GREATER WATTENBERG AREA BASELINE STUDY

GREATER WATTENBERG AREA, COLORADO

JUNE 2007

Prepared for:

COLORADO OIL AND GAS CONSERVATION COMMISSION Denver, Colorado



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Prepared for:

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TABLE OF CONTENTS

<u>Page</u>
EXECUTIVE SUMMARY iii
SECTION 1.0 INTRODUCTION
1.1 OBJECTIVES1-1
1.2 BACKGROUND INFORMATION1-1
1.3 ORGANIZATION OF REPORT
SECTION 2.0 SAMPLING METHODOLOGY
2.1 NATURAL GAS SAMPLING
2.1.1 Access
2.1.2 Sampling Procedures
2.2 WATER WELL SAMPLING
2.2.1 Access
2.2.2 Water Well Sampling2-2
SECTION 3.0 RESULTS
3.1 NATURAL GAS SAMPLING RESULTS
3.1.1 Bradenhead Pressure Readings
3.1.2 Analytical Results - Gas Composition
3.1.3 Analytical Results - Isotopic Analysis
3.2 WATER WELL SAMPLING RESULTS
3.2.1 Analytical Results - Inorganics
3.2.2 Analytical Results - Organics
3.2.3 Free Gas in Water Wells
SECTION 4.0. CONCLUSIONS 4-1



TABLE OF CONTENTS (continued)

TABLES

TABLE 1	WATER WELL LOCATIONS
TABLE 2	GAS COMPOSITION AND ISOTOPIC ANALYSIS - NATURAL GAS
THELL 2	PRODUCTION WELLS
TABLE 3	FIELD PARAMETERS – WATER WELL PURGING
TABLE 4	GROUNDWATER ANALYTICAL RESULTS - INORGANICS
TABLE 5	GROUNDWATER ANALYTICAL RESULTS - ORGANICS
TABLE 6	GAS COMPOSITION AND ISOTOPIC ANALYSIS - WATER WELLS
	FIGURES
FIGURE 1	SITE MAP
FIGURE 2	TOTAL DISSOLVED SOLIDS ISOCONCENTRATION MAP
FIGURE 3	DISSOLVED METHANE ISOCONCENTRATION MAP
FIGURE 4	STIFF DIAGRAMS MAP
	CHARTS
CHARTS 1 - 0	GAS WETNESS DIAGRAMS – PRODUCTION WELLS
011111112	
CHARTS 7 -	13 ISOTOPIC ANALYSIS – PRODUCTION WELLS

APPENDICES

GAS WETNESS DIAGRAMS – FREE GAS IN WATER WELLS

ISOTOPIC ANALYSIS – FREE GAS IN WATER WELLS

STIFF DIAGRAMS – WATER SAMPLES

CHART 23 PIPER DIAGRAM – WATER SAMPLES
CHART 24 GAS WETNESS DIAGRAMS – FREE GA

CHARTS 14 - 22

CHART 25

CHART 24

APPENDIX A	EQUIPMENT SPECIFICATIONS
APPENDIX B	COLORADO OIL AND GAS CONSERVATION COMMISSION FORM
	17 BRADENHEAD TEST REPORTS
APPENDIX C	PRESSURE READINGS RESULTS CHARTS
APPENDIX D	PHOTOGRAPHS - PRIVATE WATER WELLS
APPENDIX E	CD-ROM - ELECTRONIC FILES



EXECUTIVE SUMMARY

LTE has been retained by the Colorado Oil and Gas Conservation Commission (COGCC) to conduct a baseline study of natural gas wells and Laramie/Fox Hills (Klf) water wells in the Greater Wattenberg Area (GWA). The study area for this project includes a portion of the GWA within the Denver-Julesburg (D-J) Basin and covers an area of approximately 1,600 square miles (Figure 1).

The purpose of this study is to document the general composition of natural gas from 77 production wells and water quality of 9 Klf water wells in the GWA. The overriding goal of the project is to use these data to address concerns about potential impacts to groundwater resources from existing or future development of oil and gas production in the GWA.

LTE sampled a total of 77 natural gas production wells in the GWA. Based on plots of the carbon and hydrogen isotopes of methane and diagrams of the gas wetness ratios for the 77 samples, the gas produced from the production wells are of thermogenic origin.

LTE sampled a total of nine water wells during the baseline study. Dissolved methane was detected in all of the water samples collected and six of the nine samples reported concentrations above the COGCC threshold value of 2 milligrams per liter (mg/L). Free gas samples were collected from six of the nine water wells sampled. Based on plots of the carbon and hydrogen isotopes of methane and diagrams of the gas wetness ratio for each of the samples, it appears that the gas from the six water wells is of biogenic origin.

Results of the study show a good distribution of natural gas data across the project area. These data will be useful in evaluating natural gas from various production zones within the GWA.

The water quality information obtained during this study is a limited data set. The data collected during this study will supplement analytical results already in the COGCC database. However, the data are well distributed across the project area and will be useful in documenting the general water quality for the eastern and southeastern portions of the GWA.



SECTION 1.0

INTRODUCTION

LT Environmental, Inc. (LTE) has been retained by the Colorado Oil and Gas Conservation Commission (COGCC) to conduct a baseline study of natural gas from production wells and water quality of the Laramie-Fox Hills (Klf) aquifer in the Greater Wattenberg Area (GWA) of Colorado. The study area for this project consists of a portion of the Denver Julesburg (D-J) Basin, primarily in Weld County, Colorado, covering approximately 1,600 square miles (Figure 1).

1.1 OBJECTIVES

The objective of this study is to document the general composition of natural gas from selected production wells and water quality of Klf aquifer in selected water wells in the GWA. The overriding goal of the project is to use these data to address concerns about potential impacts to groundwater resources in the GWA.

1.2 BACKGROUND INFORMATION

The GWA is located within the D-J Basin of Colorado, a major oil and gas producing area extending from the Wyoming - Colorado state boundary to approximately 50 miles north of the Colorado - New Mexico state boundary. Oil and gas production wells in the D-J Basin are generally completed in the Codell sandstone, the J sandstone, the Niobrara Formation, the Sussex sandstone, or combinations thereof. Throughout this report, these productions zones are simply referred to as the Codell, J Sand, Niobrara, Sussex, or a combination of two or more units.

As a result of an amendment to Rule 318A which allowed for increased infill drilling in the GWA, the potential for impacts to groundwater from oil and gas production has become a concern for both the public and local government. This study will provide the COGCC with data to help address these concerns.

1.3 ORGANIZATION OF REPORT

This report is organized into four sections including this introduction, which presents the objective of the study and discusses background information related to the project. The field methods used to complete the scope of work are described in Section 2.0. The results of the natural gas production well and water well sampling activities are presented in Section 3.0. Section 4.0 presents the conclusions of the baseline study. Figures, tables, and charts are included after Section 4.0 and appendices are included at the end of this report.



A CD-Rom is included at the end of the appendices and presents the following information:

- The GWA Baseline Study draft report in its entirety;
- The COGCC Form 17 Bradenhead Test Reports identified by their respective American Petroleum Institute (API) numbers;
- The laboratory reports identified by their respective chain-of-custody (COC) number;
- Photographs of water well sample locations and water conditions identified by their respective well permit numbers;
- Well records from the Division of Water Resources (DWR) database identified by respective their well permit numbers; and
- The Microsoft Access[®] database including production well API numbers, Global Positioning System (GPS) coordinates of production wells and water wells, legal descriptions of production wells and water wells, operator information, respective production zones, laboratory analytical data for both gas and water samples, pressure readings, water well permit numbers, pertinent water well information, and landowner information.



SECTION 2.0

SAMPLING METHODOLOGY

This section describes the approach and procedures used during the natural gas production well and water well sampling activities.

2.1 NATURAL GAS SAMPLING

2.1.1 Access

Prior to the sampling of natural gas, the COGCC coordinated access to the 77 natural gas production wells with seven operators including Kerr-McGee Oil and Gas Onshore LP, K.P. Kauffman Co., Inc., Petroleum Development Corp., Noble Energy Production, Inc., Petro-Canada Resources (USA) Inc., Merit Energy Co., and Encana Energy Resources, Inc. Once the wells were selected, LTE contacted the various operators to schedule the sampling activities.

2.1.2 Sampling Procedures

During natural gas sampling activities, LTE was escorted by a staff member from the operator of each of the production wells to ensure the efficiency and safety of the gas sampling process.

At each of the 77 production wells visited, LTE recorded pressure readings from the Bradenhead casing, production casing, and production tubing. Measurements were collected using either a liquid-filled pressure gauge or a digital pressure gauge with varying pressure ranges. The measurements were recoded on a COGCC Form 17 - Bradenhead Test Report.

LTE used IsoTubes® and an IsoTube Wellhead Sampling System® to collect the gas samples from the 77 production wells. The specifications for the IsoTubes® and IsoTube Wellhead Sampling System® are included in Appendix A. All gas samples were packaged per the Federal Department of Transportation (DOT) regulations with a completed COC form and submitted to Isotech Laboratories, Inc. (Isotech) in Champaign, Illinois. Gas samples were analyzed for the following parameters:

- *Fixed Gas Chromatography*: Hydrogen (H₂), Argon (Ar), Nitrogen (N₂), Oxygen (O₂), Carbon Dioxide (CO₂), and Hydrogen Sulfide (H₂S);
- *Hydrocarbon Gas Chromatography*: Methane, Ethane, Propane, i-Butane, n-Butane, i-Pentane, and Hexane+; and
- *Stable Isotopic Analysis*: Carbon and Hydrogen isotopes of Methane, Carbon isotopes of CO₂, and Carbon isotopes of Ethane and Propane.

The location of each natural gas production well was recorded using a Trimble GeoXT® GPS which measures and records geographic position in accordance with COGCC Rule 215. At each production well, LTE recorded the geographic position by logging a minimum of 25 GPS positions. The GPS data were downloaded daily and differentially corrected using publicly



available base station data to achieve sub-meter accuracy. The specifications for the Trimble GeoXT® are included in Appendix A.

To determine the origin of the gas, the analytical results were plotted using a chart from the 1995 paper entitled *Isotopic Identification of Landfill Methane* by Coleman et al. Additionally, the gas wetness ratios were calculated for each sample. All analytical results, charts, and calculations were presented to Dr. Alan Jeffrey of Zymax Forensics for his interpretation of the origin of the gas.

2.2 WATER WELL SAMPLING

2.2.1 Access

Initially, LTE chose 13 water wells to sample. After sending access agreement letters to the 13 landowners and attempting to contact the landowners via telephone, a total of six access agreements were granted. LTE then chose seven different water wells and sent access agreement letters to their respective owners. Two of the seven landowners granted LTE access to sample their water wells. LTE then chose five different water wells and sent access agreement letters to their respective owners. One of the five landowners granted access to their water well. After this attempt to gain access to water wells, the COGCC directed LTE to forgo additional access requests. Therefore, LTE gained access to a total of nine of the 25 wells requested. The locations of the nine water wells sampled are shown on Table 1.

Each of the 25 wells requested was approved by the COGCC. After COGCC approval, LTE prepared a letter explaining the scope of the study, the benefits available to the well owners, and a request for participation. The letter included a self-addressed and stamped response card to be returned to LTE. The response card contained questions regarding well condition, pump type, size of casing, usage, screened interval, well yield, depth, and accessibility. The card also requested a phone number to be used in coordinating the sampling events and contained a statement agreeing to access with a signature and date line.

2.2.2 Water Well Sampling

Prior to water well purging and sampling, all equipment was cleaned and disinfected to maintain sample integrity. Purging and sampling were conducted at points closest to the wellhead, prior to pressure tanks or pretreatment systems such as filtration and/or water softeners. LTE purged each well using a flow-through cell and field parameters of pH, specific electrical conductance (EC), and temperature were collected using an Oakton ph/Con 10 Meter[®]. The specifications for the water quality meter are included in Appendix A. Purging was considered to be complete when stability of field parameters was demonstrated through three consecutive measurements at 3 to 5 minute intervals, where pH varied by less than 0.1 units, temperature varied by less than 0.2 degrees Celsius (C) and EC varied by less than 5 percent (%) for values less than 100 micro-Siemens per centimeter (uS/cm) or 3% for values greater than 100 uS/cm.

Flow rates during purging were measured using a graduated bucket and a stopwatch. LTE also noted color, clarity, odors, effervescence, produced sediment, and evidence of bacterial fouling.



Once purging was complete, LTE initiated sampling under low-flow rate conditions. All samples were collected in laboratory prepared sample bottles. The samples were placed on ice and shipped via overnight delivery with a completed COC form to Accutest Laboratories, Inc. in Houston, Texas.

The following table presents the analyses that were performed on each groundwater sample and the respective laboratory method:

Laboratory Analyses and Method Numbers

Analyte	Laboratory Method
Major Cations	EPA Method 6010
Dissolved Sodium, Calcium, Magnesium,	
Potassium, Iron	
Major Anions	EPA 300/SM2320B
Chloride, Sulfate, Carbonate, Bicarbonate,	EPA 353
Nitrate, Nitrite	
Dissolved Metals	EPA Method 6010
Arsenic, Barium, Cadmium, Chromium, Lead,	
Selenium, Manganese	
Fluoride	EPA 300
Bromide	EPA 300
рН	EPA 150.1
Total Dissolved Solids (TDS)	EPA 160.1
Dissolved Methane	RSK 175
Benzene, Toluene, Ethylbenzene, Xylenes	SW846 8260B
(BTEX)	
Electrical Conductance	SM2510B

All sample bottles were filled directly from the sample tubing with the exception of the bottles used for dissolved methane analysis. Samples for dissolved methane analysis were collected using a 5-gallon bucket and a length of polyvinyl tubing connected to an adapter and the source tap. Flow rates were reduced during the dissolved methane sampling process in order to maximize the amount of dissolved gas in each sample. The end of the tubing and a capped sample bottle were submerged in water in a 5-gallon bucket. The cap was then removed from the bottle and the tubing was inserted while submerged in the bucket of water. Water from the tubing was allowed to flow into the bottle and displace approximately three volumes of the bottle. The cap was placed on the bottle while submerged in the water and the bottle was removed from the bucket.

LTE attempted to collect free gas samples from all water wells. LTE used a 1-liter bottle containing a benzalkonium chloride capsule (preservative) to collect each sample. The bottle was filled with water and then inverted and submerged in water in a 5-gallon bucket. The polyvinyl tubing was inserted into the inverted bottle. The flow rates were increased to approximately 2 to 3 gallons per minute (gpm) during this process. The free gas from within the water stream was allowed to displace the water in the bottle until approximately half of the bottle



contained free gas. The cap was then placed on the inverted bottle while submerged. The sample was packaged and submitted to Isotech for analysis of the same analytes listed in Section 2.1.2.

If free gas was not observed during the sampling process, a bottle was filled via the aforementioned procedures and placed in a cooler on ice. The bottle was submitted to Isotech if the dissolved methane concentration from the water sample was 2 milligrams per liter (mg/L) or greater. If the dissolved methane concentration was less than 2 mg/L, the sample was not submitted for isotopic analysis.

The location of each water well was recorded using the Trimble GeoXT® following sampling. At each water well, the geographic position was recorded by logging a minimum of 25 GPS positions. GPS data were differentially corrected as described in Section 2.1.2. Flow rates and observations were recorded directly into the GPS and photographs of water condition and sampling location were collected at each well.

To determine the origin of the free gas observed in water wells, LTE plotted the analytical data on charts, calculated gas wetness ratios, and presented the data to Dr. Jeffrey for evaluation.



SECTION 3.0

RESULTS

The following section summarizes the results of the natural gas sampling and water well sampling activities. The names, GPS coordinates, and legal descriptions of the 77 production wells and 9 water wells sampled are included in the electronic database provided to the COGCC with this report.

3.1 NATURAL GAS SAMPLING RESULTS

3.1.1 Pressure Readings

LTE recorded pressure readings from the surface casing, production casing, and production tubing for each of the 77 production wells visited. The minimum and maximum surface casing pressures recorded were zero pounds per square inch (psi) and 280 psi, respectively. Measurable pressure was noted in the surface casing at 28 of the 77 wells visited. The following table shows the number of wells with pressure in the surface casing for each of the production zones.

NUMBER OF WELLS WITH PRESSURE IN SURFACE CASINGS

	Number of Wells with Pressure in Surface
Production Zone	Casing
CODELL	7
J SAND/CODELL	6
J SAND/NIOBRARA/CODELL	0
J SAND	8
NIOBRARA/CODELL	4
SUSSEX	2

Production casing pressures ranged from 21 psi to 900 psi. Production tubing pressures ranged from 6 psi to 625 psi. Pressure readings were recorded on the COGCC Form 17 - Bradenhead Test Reports which are included as Appendix B. The pressure readings are also included in the electronic database. Charts illustrating the pressure readings by production zone are presented as Appendix C. The following table summarizes the results of the pressure readings.



PRESSURE READINGS RESULTS

	Surface Casing Pressure (psi)	Production Casing Pressure (psi)	Production Tubing Pressure (psi)
CODELL			
minimum	0	95	100
maximum	20	900	625
J SAND/CODELL			
minimum	0	164	80
maximum	65	480	480
J SAND/NIOBRARA/CODELL			
minimum	0	160	160
maximum	0	507	384
J SAND			
minimum	0	135	80
maximum	280	550	450
NIOBRARA/CODELL			
minimum	0	200	175
maximum	25	600	590
SUSSEX			
minimum	0	21	6
maximum	28	490	470

3.1.2 Analytical Results - Gas Composition

The gas wetness ratio of each gas sample collected as part of this study was calculated to determine the origin of the gas. LTE calculated the gas wetness ratios by dividing the methane concentration by the sum of all gas concentrations for a particular sample. This ratio is expressed by the following equation:

gas wetness ratio =
$$\frac{C_1}{C_1 + C_2 + C_3 + C_4 + C_5 + C_6}$$

where,

 C_1 = methane

 C_2 = ethane and ethylene

 C_3 = propylene

 C_4 = butane and isobutane

 C_5 = pentane and isopentane

 $C_6 = hexanes +$

LTE presented these data to Dr. Jeffrey for his evaluation. According to Dr. Jeffrey, the gas wetness ratios observed in the 77 gas samples are typical for gas of thermogenic origin.

Codell

LTE collected a total of 16 natural gas samples from production wells completed in the Codell. Analytical results report methane concentrations ranging from 66.41 percent (%) to 83.22%. The



natural gas analytical results are shown on Table 2 and included in the electronic database. The values presented in Table 2 are air free concentrations.

Results indicate gas wetness ratios for samples from the Codell ranging from 68% to 85%. Table 2 presents the gas wetness ratios for all samples collected during the study. Chart 1 presents a bar diagram of gas wetness ratios for all samples collected from the Codell.

J-Sand / Codell

LTE collected a total of nine natural gas samples from production wells completed in both the J-Sand and Codell. Analytical results report methane concentrations ranging from 75.50% to 84.53% (Table 2).

Gas wetness ratios for natural gas samples collected from the J-Sand and Codell ranged from 78% to 88% (Table 2). These ratios are indicative of thermogenic gas. Chart 2 presents a bar diagram of gas wetness ratios for all samples collected from wells completed in both the J-Sand and Codell.

J-Sand / Niobrara / Codell

LTE collected a total of eight natural gas samples from production wells completed in the J-Sand, Niobrara, and Codell. Analytical results report methane concentrations ranging from 75.91% to 86.95% (Table 2).

Gas wetness ratios for natural gas samples collected from the J-Sand, Niobrara, and Codell ranged from 79% to 91% (Table 2). These ratios are indicative of thermogenic gas. Chart 3 presents a bar diagram of gas wetness ratios for all samples collected from wells completed in the J-Sand, Niobrara, and Codell.

J-Sand

LTE collected a total of 16 natural gas samples from production wells completed in the J-Sand. Analytical results report methane concentrations ranging from 74.07% to 91.75% (Table 2).

Gas wetness ratios for natural gas samples collected from the J-Sand ranged from 77% to 95% (Table 2). These ratios are indicative of thermogenic gas. Chart 4 presents a bar diagram of gas wetness ratios for all samples collected from wells completed in the J-Sand.

Niobrara / Codell

LTE collected a total of 15 natural gas samples from production wells completed in both the Niobrara and Codell. Analytical results indicate methane concentrations ranging from 69.83% to 80.34% (Table 2).

Gas wetness ratios for natural gas samples collected from the Niobrara and Codell ranged from 72% to 83% (Table 2). These ratios are indicative of thermogenic gas. Chart 5 presents a bar diagram of gas wetness ratios for all samples collected from wells completed in both the Niobrara and Codell.



Sussex

LTE collected a total of seven natural gas samples from production wells completed in the Sussex. Analytical results report methane concentrations ranging from 61.91% to 79.30% (Table 2).

Gas wetness ratios for natural gas samples collected in the Sussex ranged from 63% to 80% (Table 2). These ratios are indicative of thermogenic gas. Chart 6 presents a bar diagram of gas wetness ratios for all samples collected from wells completed in the Sussex.

3.1.3 Analytical Results - Isotopic Analysis

LTE plotted the carbon and hydrogen isotopes of methane for each natural gas sample on the chart created by Coleman et al. to determine the origin of the gas. Charts 7 through 13 present the results of the plots for all natural gas samples collected during sampling activities. Based on the charts and evaluation of the data by Dr. Jeffrey, all of the 77 natural gas samples appear to be of thermogenic origin.

3.2 WATER WELL SAMPLING RESULTS

Field parameters collected during water well sampling activities are shown on Table 3 and included in the electronic database. Photographs of water condition and sample location are included as Appendix D and as part of the electronic database. Laboratory analytical results for water samples are shown on Tables 4 and 5 and are included in the electronic database. The corrected GPS coordinates, drillers log and completion reports, and other pertinent information for the nine water wells are also included as part of the electronic database.

3.2.1 Analytical Results - Inorganics

LTE collected a total of nine water samples from private water wells completed in the Klf. TDS concentrations ranged from 558 mg/L in the water sample collected from the S M Ranch water well to 1,820 mg/L in the water sample collected from the Jerry Sumner water well. Analytical results indicate that nitrate and sulfate in the water sample collected from the Jerry Sumner water well exceeded the respective water quality standards at concentrations of 11 mg/L and 876 mg/L, respectively. TDS concentrations and isoconcentration contours are shown on Figure 2.

The pH levels in the water samples collected from the Hager, Harold Dutton, and S M Ranch water wells exceeded the water quality standards at concentrations of 8.9, 8.6, and 8.6, respectively. However, eight of the nine wells sampled exhibit a pH level greater than 8.0 during both field measurements and laboratory measurements. Inorganic analytical results are shown on Table 4.

The major cation and anion concentrations were relatively consistent with the exception of the Jerry Sumner water well sample which reported significantly higher calcium, chloride, magnesium, nitrate, and sulfate. The major cation and anion concentrations for the nine samples were plotted on Stiff diagrams and appear to be relatively consistent with the exception of the Jerry Sumner water sample. The Stiff diagrams are presented as Charts 14 through 22 and shown on Figure 4.



Major cation and anion results for the water samples were plotted on a Piper diagram. The nine samples plot in a relatively consistent location with the exception of the Jerry Sumner water sample. The Piper diagram is presented as Chart 23.

3.2.2 Analytical Results - Organics

The COGCC currently uses 2 mg/L as the threshold value for methane in water systems. The COGCC guideline for water systems containing dissolved methane concentrations above 2 mg/L is that there is an increased risk to desorb methane from the water and create potentially explosive conditions in confined spaces. Dissolved methane was detected in all of the water wells sampled and six of the nine samples reported concentrations above the COGCC threshold value. The concentrations of dissolved methane above the COGCC threshold value ranged from 3.47 mg/L in the Epple William and Linda S water well to 15.4 mg/L in the Victor and Karen Androvich water well. Dissolved methane concentrations and isoconcentration contours are shown on Figure 3.

Concentrations of benzene, ethylbenzene, and total xylenes were below the laboratory detection limits in all of the water wells sampled. Toluene was detected at a concentration of 0.00089 mg/L in the water sample collected from the Hager water well. However, this concentration is below the respective Colorado Groundwater Quality Standard (CGWQS) of 1.0 mg/L. Table 5 presents the organic analytical results.

3.2.3 Free Gas in Water Wells

Gas Composition

LTE collected a total of six free gas samples from water wells. The water wells containing free gas were the same water wells reporting dissolved methane concentrations above 2 mg/L. Gas composition analytical results indicate methane concentrations ranging from 31.86% to 78.92%. Table 6 presents the results of the gas composition analysis for free gas collected from water wells.

Gas wetness ratios for natural gas samples collected from the water wells were relatively consistent. The ratios ranged from 99.91% to 99.97% (Table 6). According to Dr. Jeffrey, these ratios indicate a gas of biogenic origin. Chart 24 presents a bar diagram of gas wetness ratios for all free gas samples collected from water wells.

Isotopic Analysis

LTE plotted the carbon and hydrogen isotopes of methane for each of the six free gas samples collected from the six water wells to determine the origin of the gas. Chart 25 presents the results of the plots for all free gas samples collected from water wells. Based on the chart and evaluation of the data by Dr. Jeffrey, all gas samples collected from water wells completed in the Klf appear to be of biogenic origin.



SECTION 4.0

CONCLUSIONS

LTE sampled a total of 77 natural gas production wells in the GWA. Based on plots of the carbon and hydrogen isotopes of methane and diagrams of the gas wetness ratios for the 77 samples, it appears that all of the gas samples collected from the production wells are of thermogenic origin.

LTE sampled a total of nine water wells during the baseline study. Dissolved methane was detected in all of the water samples collected and six of the nine samples reported concentrations above the COGCC threshold value of 2 mg/L. Free gas samples were collected from the six water wells. Based on plots of the carbon and hydrogen isotopes of methane and diagrams of the gas wetness ratio for each of the samples, it appears that the gas from the six water wells is of biogenic origin.

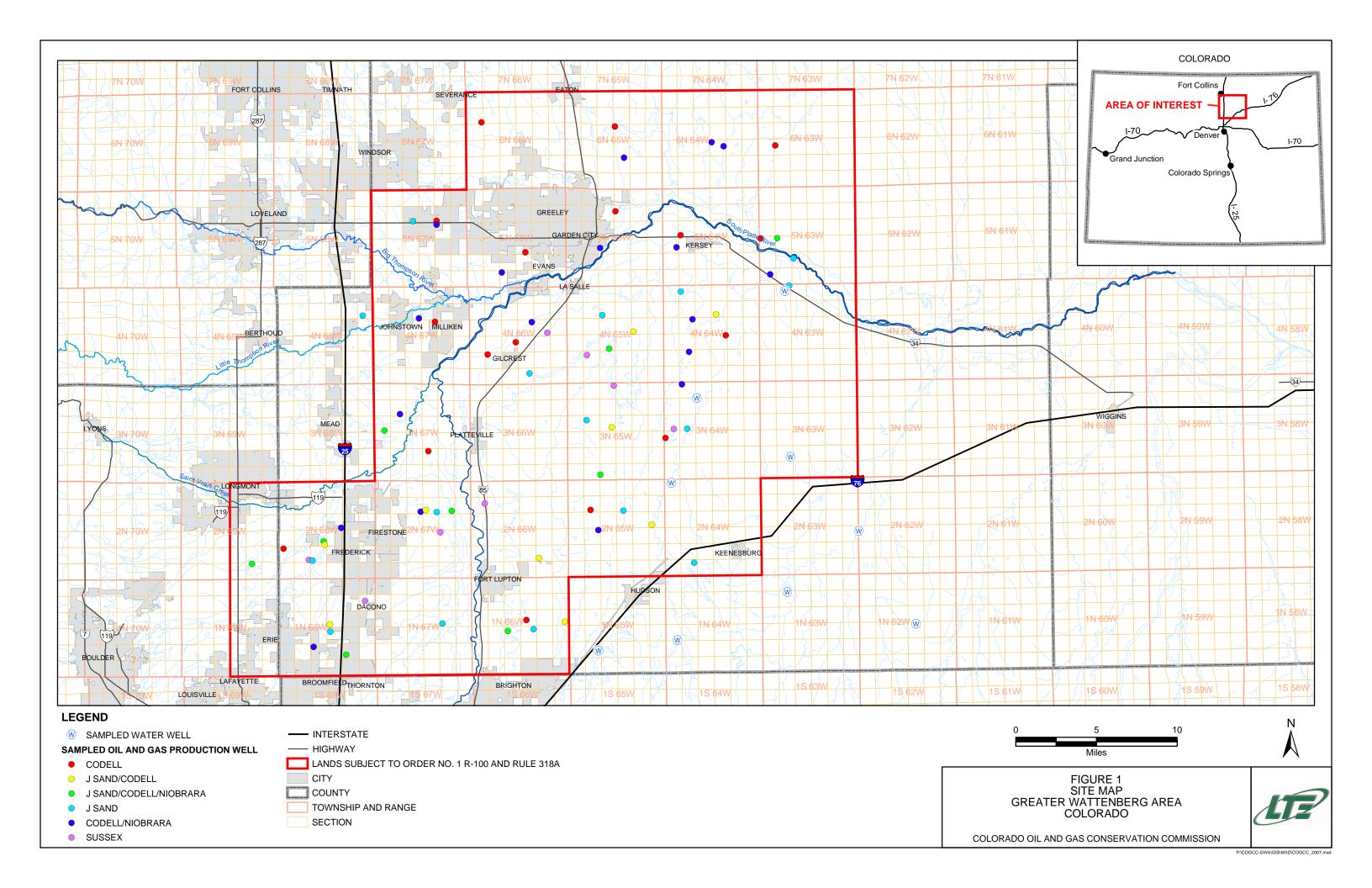
Results of the study show a good distribution of natural gas data across the project area. These data will compliment existing COGCC data and will be useful in evaluating natural gas from several production zones and geographic areas within the GWA.

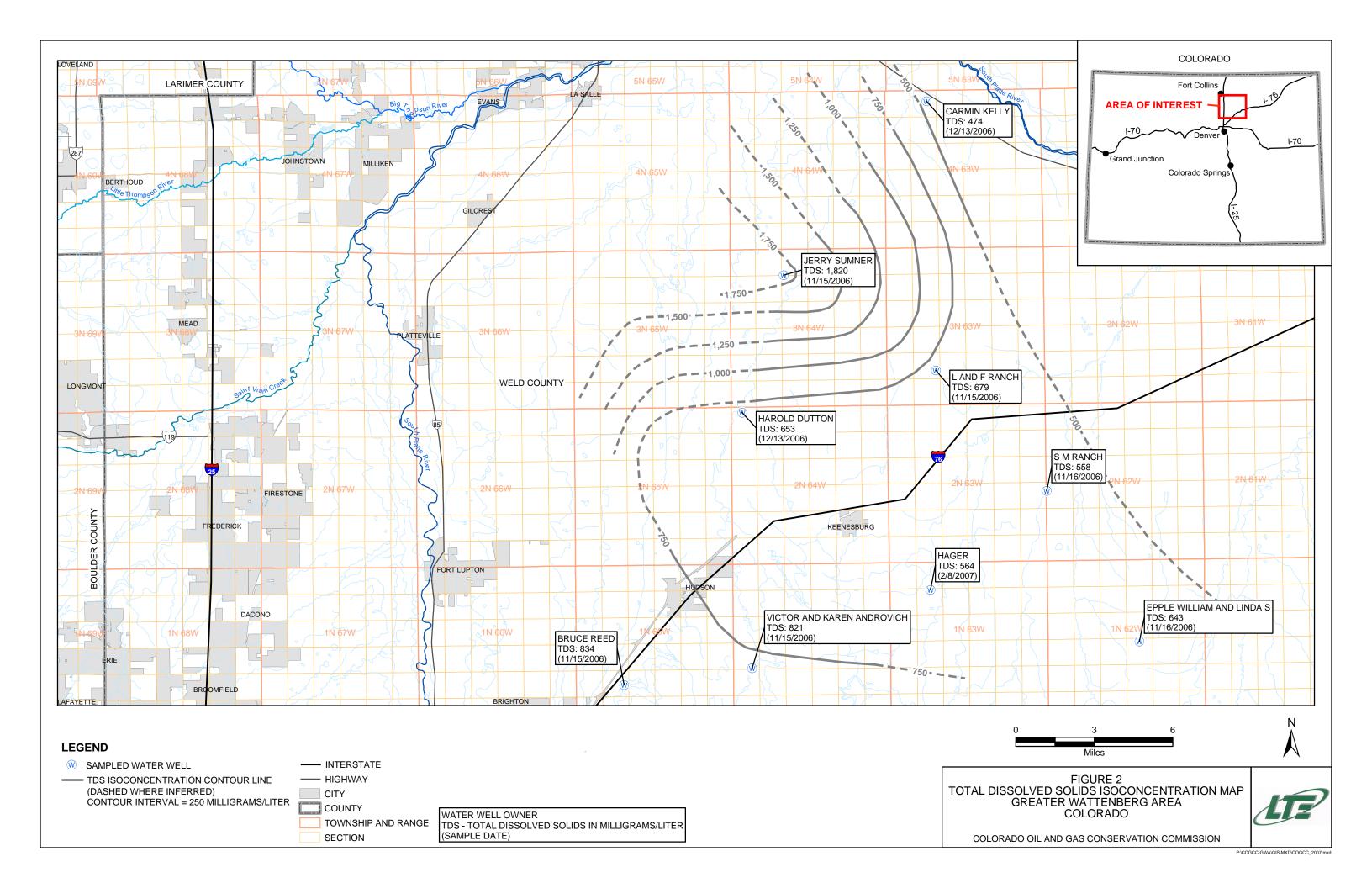
The water quality information obtained during this study is a limited data set but will compliment the existing COGCC database. The data will be useful in documenting groundwater quality in the eastern and southeastern portions of the GWA.

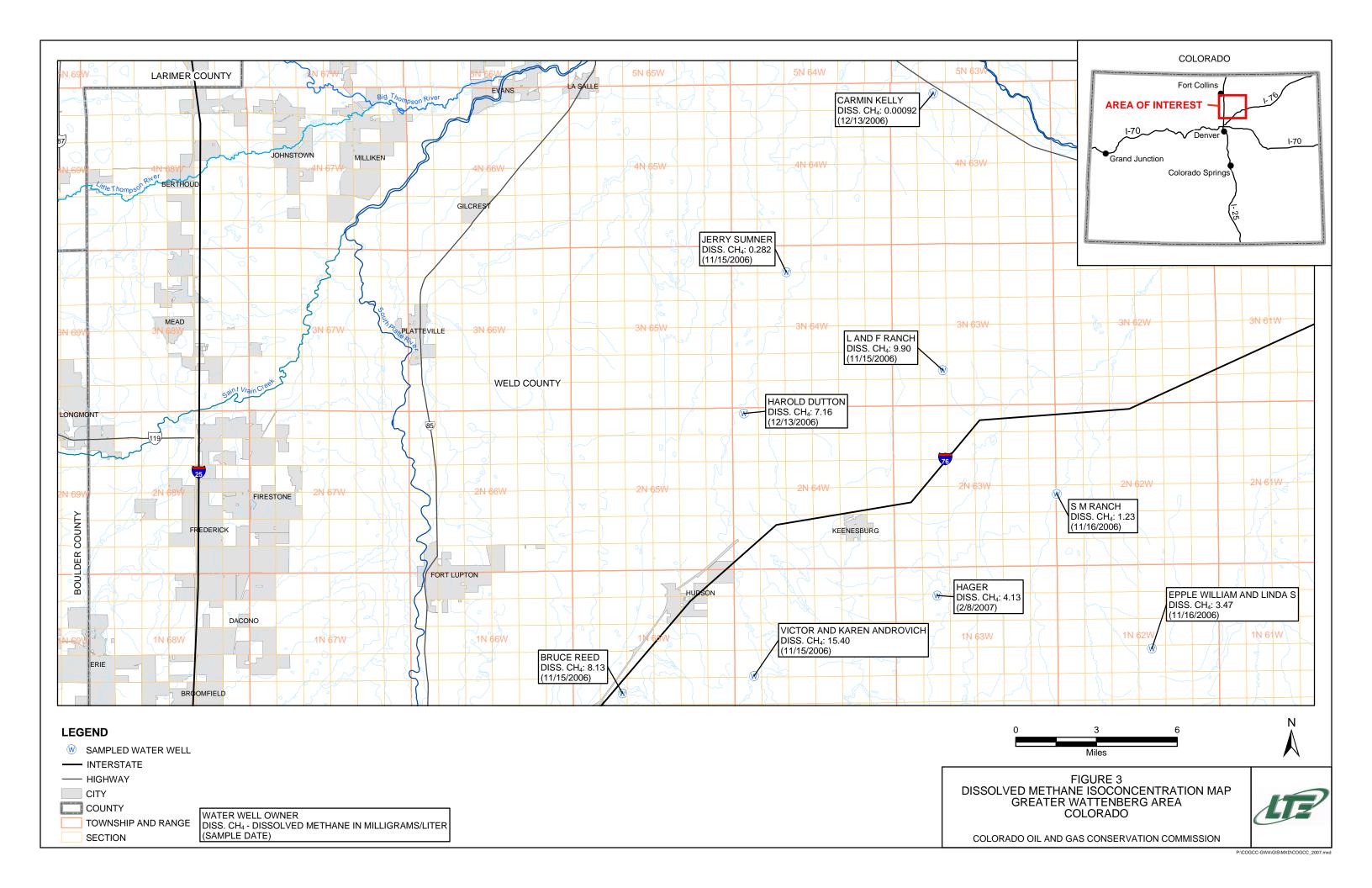


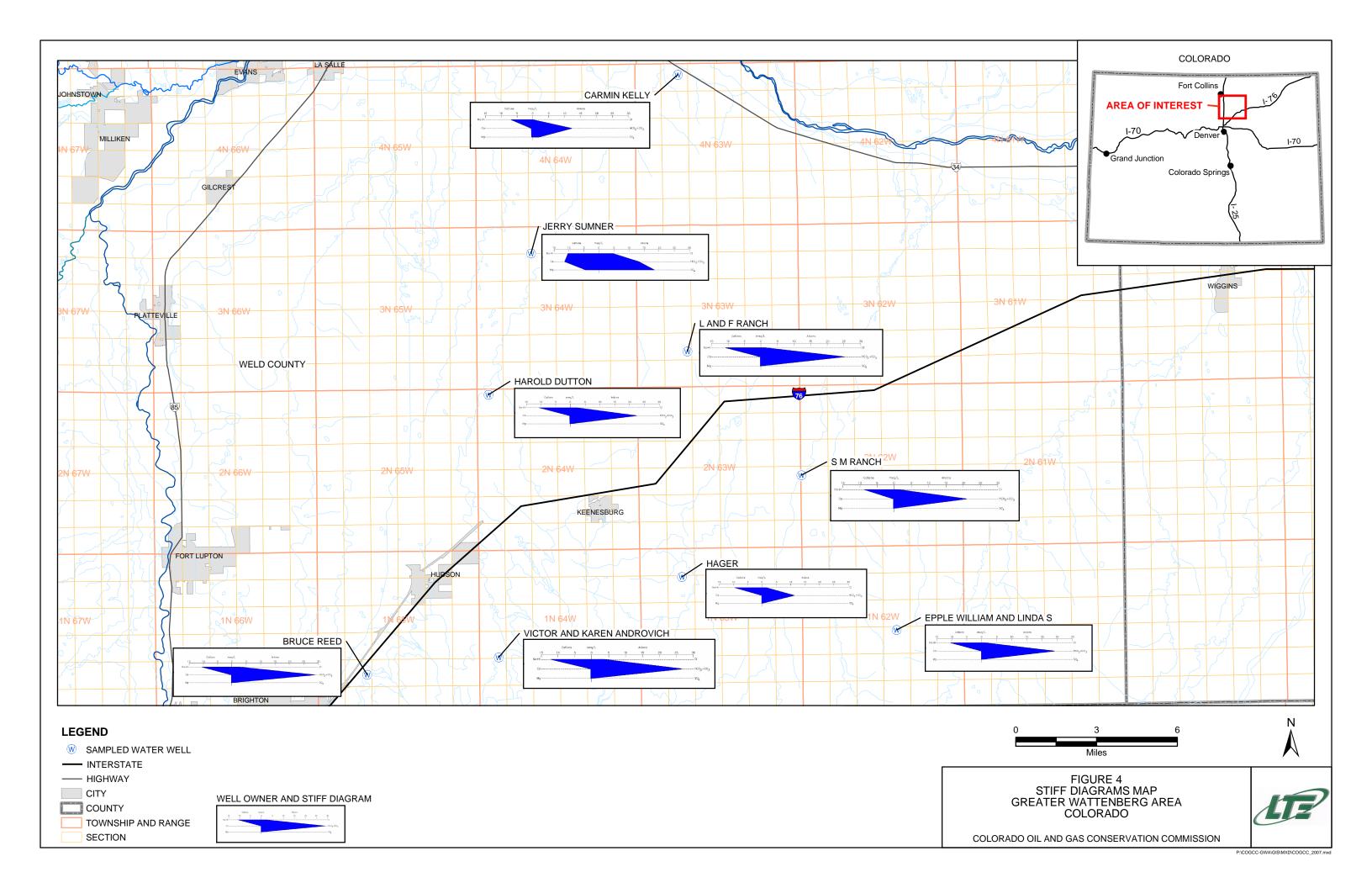
FIGURES











TABLES



TABLE 1 WATER WELL LOCATIONS GREATER WATTENBERG AREA COLORADO

COLORADO OIL AND GAS CONSERVATION COMMISSION

StationName	Twp	Rng	SEC	QtrQtr	Latitude	Longitude
Bruce Reed	1N	65W	29	NESE	40.021536	-104.681727
Carmin Kelly	4N	63W	05	SWNE	40.342689	-104.459429
Hager	1N	63W	08	NENW	40.072458	-104.460555
Harold Dutton	2N	64W	06	NENW	40.171587	-104.594835
Jerry Sumner	3N	64W	04	SWSW	40.247384	-104.563966
L and F Ranch	3N	63W	17	SWSW	40.193751	-104.454843
S M Ranch	2N	62W	19	SWNW	40.126428	-104.375946
Victor & Karen Androvich	1N	64W	19	SWSE	40.030215	-104.589465
William & Linda S Epple	1N	62W	22	NENW	40.042517	-104.310575

Latitude and Longitude were measured by global positioning system, North American Datum 1983 (NAD 83).

Twp - Township

Rng - Range

SEC - Section

QtrQtr - Quarter Quarter



TABLE 2 AIR FREE GAS COMPOSITION AND ISOTOPIC ANALYSIS - NATURAL GAS PRODUCTION WELLS GREATER WATTENBERG AREA COLORADO

COLORADO OIL AND GAS CONSERVATION COMMISSION

Sample	Sample	He	H_2	Ar	O_2	CO ₂	N_2	CO	C_1	C ₂	C ₂ H ₄	C ₃	iC ₄	nC ₄	iC ₅	nC ₅	C ₆₊	$\delta^{13}CO_2$	$\delta^{13}C_1$	δDC_1	$\delta^{13}C_2$	$\delta^{13}C_3$	Specific	BTU	Gas Wetness
ID	Date	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	‰	‰	‰	‰	‰	Gravity		Ratio
CODELL																				I.	Į.	I.			
Coleman #22-114	12/8/2006	0.0037	0.0076	0	0	2.41	0.19	0	73.62	15.01	0	6.06	0.76	1.38	0.20	0.18	0.17	3.82	-46.00	-239.3	-31.10	-27.86	0.752	1,262	76%
Davis #P27-3	12/8/2006	0.0037	0.0076	0	0	2.41	0.19	0	66.41	15.88	0	9.05	1.47	3.51	0.20	0.18	0.17	3.45	-47.74	-243.5	-32.22	-28.76	0.732	1,405	68%
Fields #X8-14	12/11/2006	0.0043	0.0167	0	0	2.34	0.25	0	73.22	14.77	0	6.38	0.82	1.56	0.73	0.32	0.07	3.60	-47.74	-243.3	-32.22	-28.28	0.838	1,265	75%
	+	0.0062	0.2040	0	0	!		0			0						-					-24.90		1,212	81%
Schafer #K21-8 Bennett #WW 15-11	12/11/2006	0.0033	0.0074	0	0	2.91	0.10	0	78.12 83.22	11.88	0	4.04 3.02	0.77	1.22 0.61	0.41	0.31	0.23	4.19 2.38	-43.96 -49.24	-209.8	-27.50 -33.90	-24.90	0.727	1,143	85%
Turk Blue #D 19-5	12/8/2006	0.0077	0.0019	0	0	1.80 2.47	0.04	0	75.02	14.34	0	5.31	0.28	1.30	0.10 0.25	0.12	0.14	3.95	-45.52	-261.4 -227.5	-30.45	-27.18	0.673 0.742	1,143	77%
Ballantine #3-30	10/31/2006	0.0038	0.0021	0	0	1.65	0.19	0	76.70	14.34	0	5.12	0.74	1.12	0.23	0.19	0.18	2.79	-43.32	-232.3	-32.23	-27.18	0.742	1,233	78%
	10/31/2006			0	0	2.26		0	73.24		0	6.39		2.04			0.09	2.79		-232.3	-32.23	-28.59			75%
UPRR 49 Pan Am B #1		0.0070	0.0041		0	!	0.41	0		13.87			0.90	ł	0.39	0.29	1		-48.02	-	1		0.767	1,286	
Frye-Swanson-Frye #1	11/8/2006	0.0056	0.0025	0	0	1.93	0.45	0	75.62	13.93	0	5.89	0.50	1.16	0.18	0.19	0.15	2.58	-49.52	-266.0	-34.26	-30.08	0.734	1,241	77%
J&L Farms #11-20	11/8/2006	0.0044	0.0028	0	0	2.50	0.39	0	71.67	15.02	0	7.12	0.76	1.73	0.28	0.31	0.22	2.40	-48.71	-267.2	-33.90	-29.85	0.774	1,292	74%
Johnson #2	11/9/2006	0.0034	0.0000	0	0	2.25	0.28	0	70.89	15.12	0	7.32	0.93	2.24	0.42	0.42	0.12	3.08	-47.64	-254.3	-32.72	-28.97	0.786	1,319	73%
Miller #1	11/8/2006	0.0033	0.0044	0	0	2.67	0.17	0	75.35	14.71	0	5.09	0.49	0.88	0.24	0.24	0.15	4.06	-45.99	-236.1	-30.44	-27.28	0.734	1,227	78%
Mininger/Hoff #2	11/8/2006	0.0045	0.0052	0	0	2.45	0.28	0	70.62	15.27	0	5.86	0.65	1.78	0.98	1.20	0.90	3.14	-47.79	-256.9	-32.72	-29.08	0.809	1,349	73%
Oster #15-11	11/1/2006	0.0052	0.0084	0	0	1.96	0.25	0	76.27	14.10	0	5.31	0.60	1.05	0.16	0.15	0.14	3.61	-46.85	-240.1	-31.42	-28.08	0.727	1,233	78%
Strong #3-15	11/7/2006	0.0034	0.0244	0	0	2.61	0.15	0	77.48	12.53	0	4.38	0.70	1.27	0.36	0.30	0.19	4.03	-45.06	-223.2	-29.08	-26.17	0.729	1,221	80%
Walter D #5-10	11/2/2006	0.0038	0.0027	0	0	2.62	0.16	0	73.97	13.88	0	6.22	0.85	1.14	0.27	0.45	0.43	3.65	-46.16	-234.0	-30.20	-26.70	0.761	1,271	76%
Wiedeman #1	11/2/2006	0.0034	0.0260	0	0	2.45	0.16	0	74.65	12.14	0	5.06	1.02	1.96	0.79	0.81	0.92	4.39	-45.06	-215.9	-28.33	-25.39	0.783	1,309	77%
J SAND / CODELL							-										•					•			
Brandt USX WW #13-23	12/8/2006	0.0174	0.0051	0	0	3.49	1.22	0	78.77	10.84	0	3.65	0.60	0.78	0.27	0.17	0.19	-0.58	-48.18	-233.3	-31.86	-27.60	0.714	1,156	83%
Megan H #16-4J	12/11/2006	0.0067	0.0512	0	0	3.73	0.18	0	80.25	9.93	0	3.41	0.69	1.12	0.33	0.23	0.06	4.80	-44.12	-205.9	-27.72	-25.36	0.711	1,159	84%
Richardson #24-10	12/8/2006	0.0042	0.0039	0	0	2.47	0.21	0	75.50	14.56	0	5.38	0.57	0.81	0.18	0.16	0.14	4.22	-46.03	-235.9	-30.75	-27.48	0.732	1,228	78%
Frank Boulter #1	10/30/2006	0.0042	0.0076	0	0	3.16	0.16	0	77.73	11.88	0	4.20	0.73	1.21	0.36	0.28	0.28	4.02	-44.15	-211.5	-28.37	-25.82	0.731	1,210	80%
Gordon Turkey Farms B Unit #1	10/31/2006	0.0115	0.0055	0	0	2.60	0.45	0	78.08	10.53	0	5.28	0.44	1.19	0.39	0.49	0.52	3.86	-47.06	-225.1	-29.96	-28.58	0.736	1,228	81%
UPRR 43 Pan Am W #1	10/31/2006	0.0110	0.0106	0	0	3.78	0.38	0	84.53	8.37	0	1.76	0.29	0.32	0.11	0.09	0.35	2.71	-45.88	-210.5	-28.14	-24.42	0.671	1,095	88%
UPRR 62 Pan Am C #1	10/31/2006	0.0124	0.0106	0	0	3.59	0.57	0	80.74	10.52	0	2.80	0.38	0.63	0.20	0.19	0.34	2.89	-47.12	-230.5	-30.55	-26.67	0.700	1,143	84%
Edith Ann #44-21	11/9/2006	0.0129	0.0058	0	0	2.44	0.39	0	81.90	10.36	0	3.02	0.47	0.74	0.23	0.18	0.25	2.26	-46.76	-221.9	-29.58	-26.07	0.690	1,160	84%
Olive #1	11/9/2006	0.0083	0.0000	0	0	2.42	0.50	0	78.28	12.70	0	4.41	0.47	0.91	0.12	0.08	0.09	3.16	-48.01	-245.8	-32.45	-28.82	0.710	1,190	81%
J SAND / NIOBRARA / CODI	ELL																								
Daniel #V-11-16	12/8/2006	0.0117	0.0051	0	0	2.74	0.45	0	79.85	11.16	0	3.43	0.52	0.96	0.28	0.27	0.31	3.27	-47.32	-224.7	-30.51	-26.92	0.709	1,182	82%
Van Thuyne #1-35X	12/8/2006	0.0151	0.0052	0	0	2.43	0.43	0	83.00	9.64	0	2.74	0.51	0.76	0.20	0.11	0.15	1.47	-46.82	-215.0		-25.78	0.681	1,144	85%
HSR-Sekich Farms #15-18A	10/31/2006	0.0121	0.0027	0	0	2.62	0.54	0	79.39	11.73	0	3.96	0.45	0.84	0.17	0.16	0.12	1.70	-48.51	-235.3	-32.05	-27.97	0.705	1,176	82%
HSR Sloan #15-21A	10/30/2006	0.0066	0.0049	0	0	4.69	0.21	0	86.95	5.21	0	1.41	0.33	0.50	0.21	0.18	0.29	2.99	-42.25	-183.5	-24.13	-23.76	0.666	1,067	91%
Moser #12-4	10/31/2006	0.0088	0.0051	0	0	3.27	0.40	0	80.08	11.03	0	3.30	0.47	0.80	0.22	0.19	0.23	4.02	-46.10	-222.0	-29.72	-26.60	0.704	1,161	83%
Sutton #12-21	10/31/2006	0.0097	0.0054	0	0	3.24	0.69	0	75.91	13.23	0	4.44	0.60	0.99	0.30	0.25	0.32	1.29	-47.81	-234.9	-31.67	-27.51	0.737	1,208	79%
Crandell E Unit #1	11/9/2006	0.0072	0.0000	0	0	2.06	0.40	0	79.79	12.93	0	3.23	0.38	0.43	0.27	0.29	0.23	2.63	-47.11	-236.9	-31.50	-26.46	0.697	1,181	82%
State Peterson #11-20	11/8/2006	0.0107	0.0057	0	0	3.40	0.39	0	83.49	8.66	0	2.38	0.34	0.65	0.17	0.19	0.31	2.96	-45.08	-217.0	-28.90	-27.06	0.682	1,123	87%
J SAND	- I	1	1								ı	ı	ı			ı	1	I.	I	1	1		1		
Diggin State D #16-13	12/8/2006	0.0080	0.0048	0	0	4.11	0.24	0	85.41	7.10	0	1.80	0.37	0.47	0.21	0.12	0.16	3.89	-43.49	-197.9	-25.93	-24.02	0.669	1,087	89%
Held #12-14 I8	12/11/2006	0.0100		0	0	2.42	0.42	0	81.29	10.80	0	3.16	0.42	0.78	0.26	0.20	0.23	1.01	-48.55	-233.0		-26.96	0.694	1,166	84%
Nikoloric C #5-5	12/11/2006	0.0176		0.00152	0	0.00	0.42	0	91.75	5.20	0	0.88	0.42	0.78	0.20	0.20	0.23	*	-42.90	-193.7			0.597	1,070	93%
Reichert #9-2J	12/11/2006	0.0089	0.0177	0.00134	0	4.27	0.18	0	91.07	3.96	0	0.35	0.13	0.22	0.02	0.00	0.12	2.70	-41.73	-184.9		-19.51	0.624	999	95%
Travelers U #28-13 DI	12/8/2006	0.0039	1	0.00134	0	2.64	0.18	0	84.09	9.22	0	2.22	0.04	0.04	0.02	0.01	0.03	2.19	-46.30	-215.2		-23.86	0.671	1,125	87%
Edith Ann #1	11/9/2006	0.0130		0	0	2.32	0.35	0	79.42	11.35	0	4.10	0.43	1.25	0.21	0.11	0.15	2.19	-47.21	-215.2			0.712	1,123	82%
Francis D Clark Unit B #1	10/31/2006	0.0110	1	0	0	2.32	0.57	0	74.07	12.93	0	5.24	0.81	1.78	0.23	0.18	0.13	2.43	-47.21	-235.0			0.712	1,197	77%
DOW #1-29	10/31/2006	0.0098		0	0	3.78	0.37	0	84.62	8.48	0	1.72	0.30	0.29	0.38	0.00	0.01	2.39	-47.83	-219.1			0.772	1,088	88%
Gordon Turkey Farm Pool #1				0	0	2.76	0.43	0	82.64	10.29	0	2.51	0.30	0.29	0.12	0.07	0.17	4.02	-47.04	-219.1		-24.11	0.679	1,133	85%
Hulstrom #6-22	10/31/2006	0.0132		0	0	3.67	0.47	0	84.84	8.52	0	1.72	0.39	0.43	0.16	0.09	0.21	2.75	-47.04	-223.4		-24.98	0.679	1,133	88%
Raymond Martin Gas Unit #1	10/31/2006			0	0	4.52	0.37	0	85.48	6.83	0	1.72	0.27	0.26	0.09	0.05	0.18	3.28	-43.93	-209.3	-26.11	-24.15	0.668	1,088	90%
Kayınona Martin Gas Unit #1	10/30/2006	0.0009	0.0089	U	U	4.32	0.28	U	os.48	0.83	U	1./1	0.30	0.41	0.10	V.11	0.19	3.28	-43.82	-178.3	- ∠0.11	-24.41	0.008	1,0/3	90%



TABLE 2 (continued) GAS COMPOSITION AND ISOTOPIC ANALYSIS - NATURAL GAS PRODUCTION WELLS GREATER WATTENBERG AREA COLORADO

COLORADO OIL AND GAS CONSERVATION COMMISSION

Sample	Sample	He	H_2	Ar	O_2	CO_2	N_2	CO	$\mathbf{C_1}$	C ₂	C_2H_4	C ₃	iC ₄	nC ₄	iC ₅	nC ₅	C ₆₊	$\delta^{13}CO_2$	$\delta^{13}C_1$	δDC ₁	$\delta^{13}C_2$	$\delta^{13}C_3$	Specific	BTU	Gas Wetness
ID	Date	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	‰	‰	‰	‰	‰	Gravity		Ratio
J SAND (continued)																							•		
Stitt Gas Unit #1	10/31/2006	0.0126	0.0062	0	0	3.47	0.74	0	77.80	12.23	0	3.75	0.56	0.76	0.24	0.16	0.27	1.52	-47.47	-231.1	-30.97	-26.55	0.720	1,175	81%
UPRR 22 Pan Am UT/S #2	10/30/2006	0.0072	0.0095	0	0	4.78	0.34	0	82.25	8.59	0	2.37	0.43	0.58	0.23	0.15	0.27	4.75	-44.83	-203.5	-27.68	-24.84	0.695	1,108	87%
UPRR 62 Pan Am Gas Unit K #1	10/31/2006	0.0126	0.0072	0	0	3.76	0.54	0	81.35	10.09	0	2.59	0.40	0.54	0.21	0.14	0.34	3.06	-46.60	-221.4	-29.57	-25.33	0.695	1,132	85%
Baker #5-41	11/8/2006	0.0128	0.0072	0	0	3.55	0.35	0	87.06	6.91	0	1.21	0.25	0.23	0.12	0.07	0.23	2.74	-44.18	-207.9	-25.98	-22.34	0.651	1,071	91%
Edwards #44-9	11/8/2006	0.0119	0.0038	0	0	2.69	0.55	0	77.07	12.19	0	4.46	0.61	1.19	0.40	0.36	0.47	2.22	-48.45	-244.9	-32.08	-27.60	0.737	1,224	80%
Ruhl #1	11/8/2006	0.0153	0.0058	0	0	3.31	0.67	0	78.85	11.45	0	3.47	0.51	0.81	0.30	0.23	0.39	2.47	-48.00	-237.3	-31.41	-26.69	0.716	1,175	82%
NIOBRARA / CODELL																									
Alles #7-31	12/11/2006	0.0053	0.0881	0	0	2.09	0.27	0	69.83	15.10	0	7.94	1.05	2.54	0.49	0.50	0.10	2.90	-48.00	-254.7	-32.98	-29.15	0.799	1,343	72%
Carr #1	12/8/2006	0.0077	0.0040	0	0	2.39	0.35	0	79.49	11.73	0	4.13	0.49	1.01	0.17	0.16	0.06	3.02	-47.24	-233.6	-30.90	-27.59	0.705	1,185	82%
Bragg #1	12/1/2006	0.0036	0.0035	0	0	2.71	0.15	0	76.01	13.15	0	5.00	0.78	1.41	0.33	0.28	0.17	3.71	-45.09	-224.8	-29.33	-26.31	0.741	1,237	78%
Gill Land Assoc. #1	11/1/2006	0.0038	0.0066	0	0	2.50	0.30	0	74.84	14.73	0	5.82	0.55	1.03	0.08	0.06	0.07	3.23	-47.45	-252.4	-32.69	-29.08	0.734	1,230	77%
Linhart #4-33	11/2/2006	0.0035	0.0077	0	0	2.60	0.14	0	74.94	13.14	0	5.18	0.88	1.72	0.55	0.52	0.32	4.12	-45.09	-223.2	-29.09	-26.18	0.760	1,270	77%
Eckstine V #9-16	12/8/2006	0.0061	0.0033	0	0	2.02	0.33	0	73.19	14.24	0	6.43	0.78	1.86	0.42	0.46	0.26	2.88	-48.36	-253.6	-33.07	-29.60	0.768	1,294	75%
Johnson R C #29-2	12/11/2006	0.0038	0.0048	0	0	2.58	0.14	0	73.27	13.91	0	5.87	0.93	1.96	0.53	0.56	0.24	4.26	-45.25	-227.9	-29.93	-27.04	0.773	1,291	75%
Sarchet #20-1	12/11/2006	0.0057	0.0063	0	0	2.34	0.35	0	75.95	13.80	0	5.25	0.56	1.22	0.22	0.23	0.07	3.02	-48.11	-251.1	-33.00	-29.16	0.732	1,229	78%
Shannon #14-3	12/11/2006	0.0080	0.2620	0	0	0.55	0.37	0	76.00	13.82	0	6.15	0.72	1.62	0.24	0.20	0.06	1.07	-48.54	-257.3	-33.18	-29.22	0.730	1,272	77%
API #41-15	10/30/2006	0.0035	0.0041	0	0	2.84	0.19	0	80.34	11.06	0	3.47	0.59	0.93	0.23	0.18	0.16	4.16	-44.16	-209.6	-27.28	-24.56	0.704	1,173	83%
Dillon #44-15	10/31/2006	0.0057	0.0038	0	0	1.88	0.31	0	74.49	14.54	0	6.03	0.69	1.46	0.23	0.16	0.21	2.98	-47.66	-245.3	-32.51	-28.94	0.746	1,264	76%
Hovey Wanker #1-9	10/31/2006	0.0047	0.0034	0	0	1.88	0.25	0	73.40	14.10	0	6.64	0.90	2.00	0.40	0.31	0.12	3.06	-47.67	-244.9	-32.17	-28.58	0.764	1,294	75%
McLaughlin #34-8	10/30/2006	0.0056	0.0050	0	0	2.00	0.34	0	72.50	14.90	0	7.03	0.82	1.77	0.22	0.20	0.22	2.62	-48.60	-254.5	-33.16	-29.40	0.766	1,291	74%
Becker #5-7	11/2/2006	0.0035	0.0031	0	0	2.54	0.20	0	75.78	13.83	0	5.06	0.75	1.29	0.21	0.13	0.21	4.36	-44.96	-227.9	-29.82	-26.83	0.737	1,234	78%
Urich, Don #31-27	11/2/2006	0.0046	0.0036	0	0	2.44	0.57	0	77.39	13.26	0	4.38	0.51	0.86	0.20	0.19	0.20	3.95	-46.79	-245.0	-31.52	-28.16	0.719	1,202	80%
Gill Land Assoc. #22-3	11/1/2006	0.0041	0.0049	0	0	2.57	0.29	0	75.29	14.74	0	5.31	0.49	0.99	0.13	0.11	0.07	3.62	-47.62	-255.8	-32.65	-29.01	0.731	1,223	78%
CPC-Harless #17-1	11/1/2006	0.0040	0.0042	0	0	2.65	0.20	0	76.77	13.62	0	4.79	0.59	1.01	0.14	0.09	0.13	3.91	-45.75	-231.4	-30.18	-26.98	0.723	1,211	79%
Mowery #19-1	11/2/2006	0.0045	0.0052	0	0	2.45	0.28	0	70.62	15.27	0	5.86	0.65	1.78	0.98	1.20	0.90	3.95	-45.72	-229.2	-30.17	-27.11	0.773	1,291	75%
SUSSEX																									
Scooter #D18-15	12/8/2006	0.0039	0.0018	0	0	2.56	0.21	0	75.99	13.62	0	5.18	0.69	1.31	0.18	0.13	0.12	3.67	-46.29	-233.8	-30.98	-27.49	0.734	1,229	78%
UPRR 21 Pan Am G #1	10/30/2006	0.0106	0.0050	0	0	0.54	0.67	0	79.30	10.72	0	5.14	0.94	1.58	0.43	0.38	0.28	-12.86	-46.93	-215.5	-28.01	-25.61	0.723	1,255	80%
Dinner #1	11/8/2006	0.0129	0.0078	0	0	0.46	0.85	0	77.53	9.59	0	5.73	1.20	2.18	0.79	0.77	0.88	-12.67	-48.20	-220.7	-28.67	-26.81	0.764	1,319	79%
Aristocrat Angus #41-4	11/8/2006	0.0129	0.0072	0	0	0.58	1.47	0	78.05	6.97	0	8.04	1.62	1.70	0.37	0.33	0.85	-11.56	-52.11	-225.9	-32.81	-30.31	0.760	1,298	80%
Guilder #2	11/1/2006	0.0128	0.0118	0.00406	0	0.57	1.18	0	64.75	10.48	0	12.43	2.26	4.67	1.24	1.33	1.06	-12.51	-53.17	-227.8	-33.63	-31.08	0.914	1,494	66%
Rasmussen #44-29	11/7/2006	0.0106	0.0000	0.00286	0	0.31	0.93	0	61.91	13.53	0	15.06	2.05	3.99	0.78	0.77	0.67	*	-53.55	-238.4	-34.11	-30.27	0.908	1,512	63%
Johnson, Rolland A Unit D #1	11/1/2006	0.0197	0.0145	0.0044	0	0.50	1.94	0	71.66	6.57	0	9.91	2.16	3.70	1.12	1.12	1.27	-10.62	-55.64	-227.3	-34.46	-31.50	0.860	1,385	73%
Stonebraker #6-12	11/7/2006	0.0153	0.0070	0.00362	0	0.18	1.44	0	78.05	9.81	0	6.17	0.87	1.84	0.47	0.52	0.63	*	-52.14	-238.1	-33.48	-30.45	0.748	1,253	79%

Notes:

O₂ - Oxygen C₂H₄ - Ethylene C₆₊ - Hexanes + % - percent CO₂ - Carbon Dioxide $\delta^{13}CO_2$ - Carbon isotope of Carbon Dioxide ‰ - per mil C₃ - Propane BTU - British Thermal Units N₂ - Nitrogen iC₄ - Isobutane $\delta^{13}C_1$ - Carbon isotope of Methane He - Helium CO - Carbon Monoxide δDC_1 - Hydrogen isotope of Methane nC₄ - Butane H₂ - Hydrogen C₁ - Methane $\delta^{13}C_2$ - Carbon isotope of Ethane iC₅ - Isopentane C₂ - Ethane $\delta^{13}C_3$ - Carbon isotope of Propane Ar - Argon nC₅ - Pentane

* = denotes insufficient sample volume or concentration for analysis



TABLE 3 FIELD PARAMETERS - WATER WELL PURGING GREATER WATTENBERG AREA COLORADO

COLORADO OIL AND GAS CONSERVATION COMMISSION

			INITIAL	ı		FINAL	
Sample	Sample		Temp	EC		Temp	EC
ID	Date	pН	°C	(uS/cm)	pН	°C	(uS/cm)
Bruce Reed	11/15/2006	8.3	13.8	1,220	8.3	18.9	1,316
Carmin Kelly	12/13/2006	8.8	11.2	808	8.8	9.2	815
Epple William and Linda S	11/16/2006	8.7	15.0	1,028	8.7	15.0	1,032
Hager	2/8/2007	9.0	12.9	957	8.9	14.0	970
Harold Dutton	12/13/2006	8.9	15.1	1,149	8.9	16.7	1,151
Jerry Sumner	11/15/2006	7.4	14.1	2,600	7.4	14.2	2,620
L and F Ranch	11/15/2006	8.7	18.8	1,098	8.7	18.8	1,097
S M Ranch	11/16/2006	8.8	16.3	894	8.9	16.0	899
Victor and Karen Androvich	11/15/2006	8.7	13.8	1,576	8.7	17.9	1,322

Notes:

°C - degrees celsius

EC - Electrical Conductance

uS/cm - micro-Siemens per centimeter



TABLE 4 GROUNDWATER ANALYTICAL RESULTS - INORGANICS GREATER WATTENBERG AREA COLORADO

COLORADO OIL AND GAS CONSERVATION COMMISSION

				MAJO	R ANIONS				MAJO	R CATION	NS		HALIDES		
Sample	Sample	CO ₃	HCO_3	Cl	NO ₃ -N	NO_2-N	SO_4	Ca	Fe	K	Mg	Na	Br	F	
ID	Date	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
Bruce Reed	11/15/2006	600	540	27.4	< 0.010	0.010	9.2	2.860	< 0.019	1.320	0.746	239.000	1.1	3.0	
Carmin Kelly	12/13/2006	250	250	3.5	0.59	< 0.050	101	4.280	0.0388	1.950	1.240	148.000	< 0.25	2.2	
Epple William and Linda S	11/16/2006	490	470	25.9	< 0.10	< 0.0030	14.9	3.180	< 0.019	1.220	0.776	228.000	0.72	2.1	
Hager	2/8/2007	100	475	37.5	0.19	0.010	<1.0	1.490	0.0939	1.010	0.397	214.000	0.64	3.0	
Harold Dutton	12/13/2006	460	420	65.4	0.10	< 0.050	<1.0	1.680	0.134	1.770	0.492	232.000	1.3	2.6	
Jerry Sumner	11/15/2006	260	260	154	11.0	0.010	876	222.000	< 0.019	5.280	43.200	227.000	1.9	0.73	
L and F Ranch	11/15/2006	500	480	53.0	< 0.10	0.010	<1.0	3.070	0.103	1.400	0.779	235.000	0.96	3.2	
S M Ranch	11/16/2006	430	390	24.7	< 0.10	< 0.0030	<1.0	1.650	0.0724	0.765	0.404	195.000	0.74	2.0	
Victor and Karen Androvich	11/15/2006	540	500	107	< 0.10	0.010	<1.0	1.570	0.132	1.380	0.477	269.000	1.4	3.5	
Water Quality Star	dard			250	10.0	1.0	250		0.3					4.0	

Sample	Sample	As	Ba	Cd	Cr	Pb	Se	Mn	pН	TDS	EC
ID	Date	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(uS/cm)
Bruce Reed	11/15/2006	< 0.0027	0.0682	< 0.0024	< 0.0018	0.00070	< 0.0032	< 0.0077	8.3	834	1,440
Carmin Kelly	12/13/2006	< 0.0027	0.0185	< 0.0024	< 0.0018	0.0013	< 0.0032	< 0.0077	8.4	474	836
Epple William and Linda S	11/16/2006	< 0.0027	0.0516	< 0.0024	< 0.0018	< 0.00070	< 0.0032	0.0154	8.5	643	1,140
Hager	2/8/2007	< 0.0027	0.0276	< 0.0024	< 0.0018	< 0.00070	< 0.0032	0.0090	8.9	564	1,080
Harold Dutton	12/13/2006	< 0.0027	0.0411	< 0.0024	< 0.0018	< 0.00070	< 0.0032	0.0080	8.6	653	1,210
Jerry Sumner	11/15/2006	< 0.0027	0.0196	< 0.0024	< 0.0018	0.0022	0.0116	0.0301	7.5	1,820	2,330
L and F Ranch	11/15/2006	< 0.0027	0.0642	< 0.0024	< 0.0018	< 0.00070	< 0.0032	0.0147	8.5	679	1,410
S M Ranch	11/16/2006	< 0.0027	0.0308	< 0.0024	< 0.0018	< 0.00070	< 0.0032	0.0212	8.6	558	921
Victor and Karen Androvich	11/15/2006	< 0.0027	0.0460	< 0.0024	< 0.0018	0.0011	< 0.0032	0.0133	8.5	821	1,740
Water Quality Star	ndard	0.05	2.0	0.005	0.1	0.05	0.05	0.05	6.5-8.5		

Notes:

< = less than stated laboratory detection limit CO₃- Carbonate K - Potassium Se - Selenium mg/L = milligrams per liter HCO₃-Bicarbonate Mg - Magnesium Mn - Manganese uS/cm - micro-Siemens per centimeter Cl - Chloride Na - Sodium Br - Bromide water quality standards established by Colorado Department of Public Health and Environment NO₃-N - Nitrate As - Arsenic F - Flouride

-- indicates water quality standard not established NO₂-N - Nitrite Ba - Barium TDS - Total Dissolved Solids **Bold** indicates concentration exceeds water quality standard SO₄ - Sulfate Cd - Cadmium EC - Electrical conductance

Samples analyzed for chloride and electrical conductance were collected on 2/23/07

Fe - Iron

Pb - Lead



TABLE 5 GROUNDWATER ANALYTICAL RESULTS - ORGANICS GREATER WATTENBERG AREA COLORADO

COLORADO OIL AND GAS CONSERVATION COMMISSION

				Ethyl-		Dissolved	
Sample	Sample	Benzene	Toluene	benzene	Xylenes	Methane	
ID	Date	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
Bruce Reed	11/15/2006	< 0.0020	< 0.0020	< 0.0020	< 0.0060	8.130	
Carmin Kelly	12/13/2006	< 0.0020	< 0.0020	< 0.0020	< 0.0060	0.00092	
Epple William and Linda S	11/16/2006	< 0.0020	< 0.0020	< 0.0020	< 0.0060	3.470	
Hager	2/8/2007	< 0.0020	0.00089	< 0.0020	< 0.0060	4.130	
Harold Dutton	12/13/2006	< 0.0020	< 0.0020	< 0.0020	< 0.0060	7.160	
Jerry Sumner	11/15/2006	< 0.0020	< 0.0020	< 0.0020	< 0.0060	0.282	
L and F Ranch	11/15/2006	< 0.0020	< 0.0020	< 0.0020	< 0.0060	9.900	
S M Ranch	11/16/2006	< 0.0020	< 0.0020	< 0.0020	< 0.0060	1.230	
Victor and Karen Androvich	11/15/2006	< 0.0020	< 0.0020	< 0.0020	< 0.0060	15.400	
Water Quality Standard*		0.005	1.0	0.7	10.0	2.0	

Notes:

< = less than stated detection limit

mg/L = milligrams per Liter



^{*} Colorado Groundwater Quality Standards with the exception of methane, which is a threshold value established by the Colorado Oil and Gas Conservation Commission

TABLE 6 GAS COMPOSITION AND ISOTOPIC ANALYSIS - WATER WELLS GREATER WATTENBERG AREA COLORADO

COLORADO OIL AND GAS CONSERVATION COMMISSION

Sample	Sample	Не	H_2	Ar	O_2	CO_2	N_2	CO	C ₁	C_2	C_2H_4	C ₃	iC ₄	nC ₄	iC ₅	nC ₅	C ₆₊	$\delta^{13}CO_2$	$\delta^{13}C_1$	δDC_1	$\delta^{13}C_2$	$\delta^{13}C_3$	Specific	BTU	Gas Wetness
ID	Date	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	‰	‰	‰	‰	‰	Gravity		Ratio
Bruce Reed	11/15/2006	0.076	0	0.36	0	0.50	22.41	0	76.60	0.049	0	0	0	0	0	0	0		-70.02	-277.5	-45.3	0.660	764	1,212	99.94%
Epple William and Linda S	11/16/2006	0.080	0	0.85	0	0.21	66.97	0	31.86	0.030	0	0	0	0	0	0	0		-81.99	-280.9	-45.8	0.846	311	1,405	99.91%
Harold Dutton	12/13/2006	0.14	0	0.69	0	0.19	42.91	0	56.04	0.039	0	0	0	0	0	0	0	-22.7	-74.22	-267.8	-49.9	0.746	552	1,262	99.93%
Hager	2/8/2007	0.16	0.00965	0.91	0	0.14	64.10	0	34.68	0.010	0	0	0	0	0	0	0	-16.66	-72.85	-260.2	1	-	0.835	335	99.97%
L and F Ranch	11/15/2006	0.033	0	0.58	0	0.20	37.27	0	61.89	0.024	0	0	0	0	0	0	0	-	-73.91	-262.6	-51.3	0.777	490	1,265	99.96%
Victor & Karen Androvich	11/15/2006	0.069	0	0.34	0	0.21	20.42	0	78.92	0.048	0	0	0	0	0	0	0		-71.57	-267.8	-49.6	0.647	792	1,244	99.94%

Notes:	
% - percent	

‰ - per mil BTU - British Thermal Unit

-- denotes insufficient sample volume or concentration for analysis

He - Helium

H₂ - Hydrogen Ar - Argon

O₂ - Oxygen

C₂H₄ - Ethylene

C₆₊ - Hexanes +

CO₂ - Carbon Dioxide N₂ - Nitrogen CO - Carbon Monoxide C₃ - Propane iC₄ - Isobutane nC₄ - Butane

 $\delta^{13}CO_2$ - Carbon isotope of Carbon Dioxide $\delta^{13}C_1$ - Carbon isotope of Methane δDC_1 - Hydrogen isotope of Methane

C₁ - Methane iC₅ - Isopentane C₂ - Ethane

nC₅ - Pentane

 $\delta^{13}C_2$ - Carbon isotope of Ethane $\delta^{13}C_3$ - Carbon isotope of Propane



CHARTS



CHART 1
GAS WETNESS - CODELL

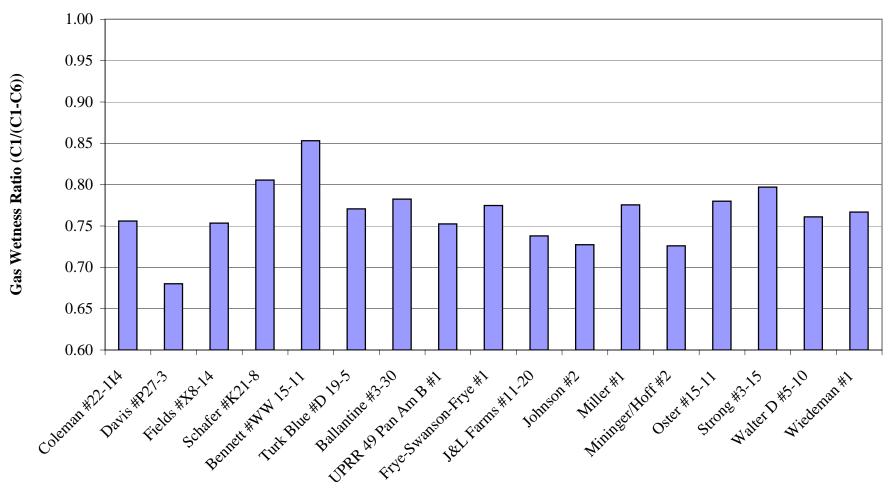




CHART 2
GAS WETNESS - J SAND / CODELL

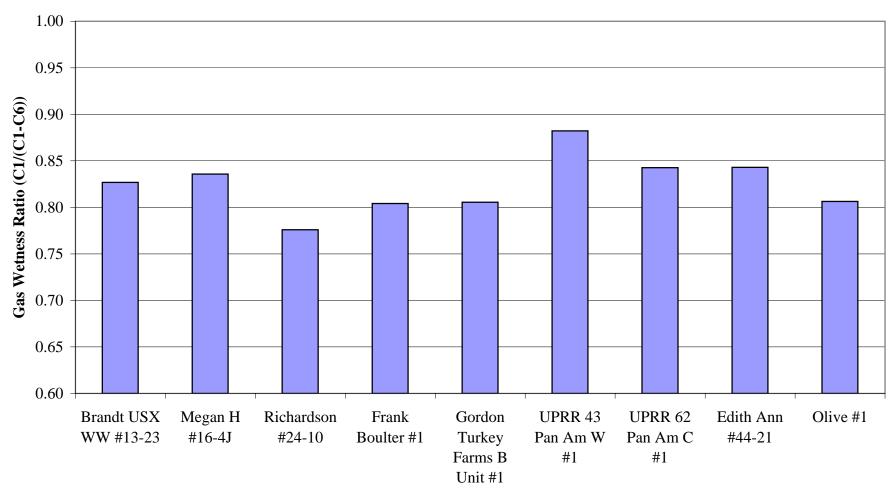




CHART 3
GAS WETNESS - J SAND / NIOBRARA / CODELL

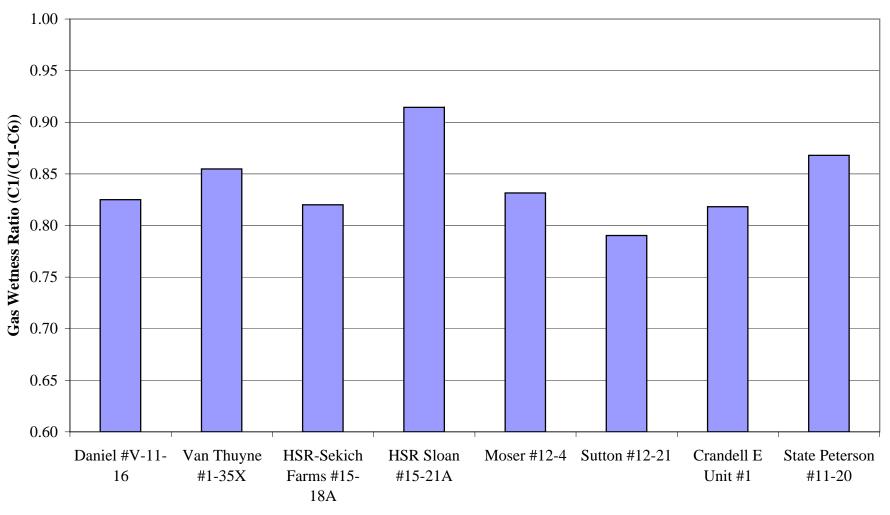




CHART 4
GAS WETNESS - J SAND

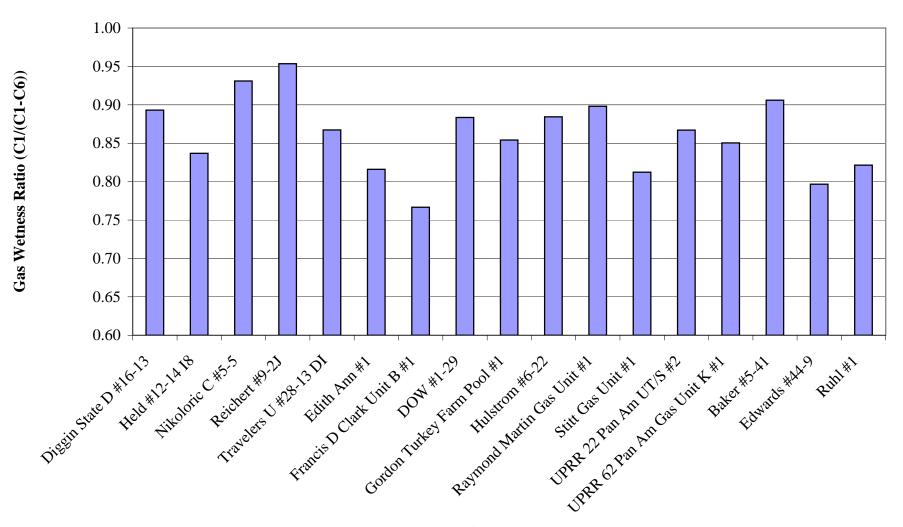




CHART 5
GAS WETNESS - NIOBRARA / CODELL

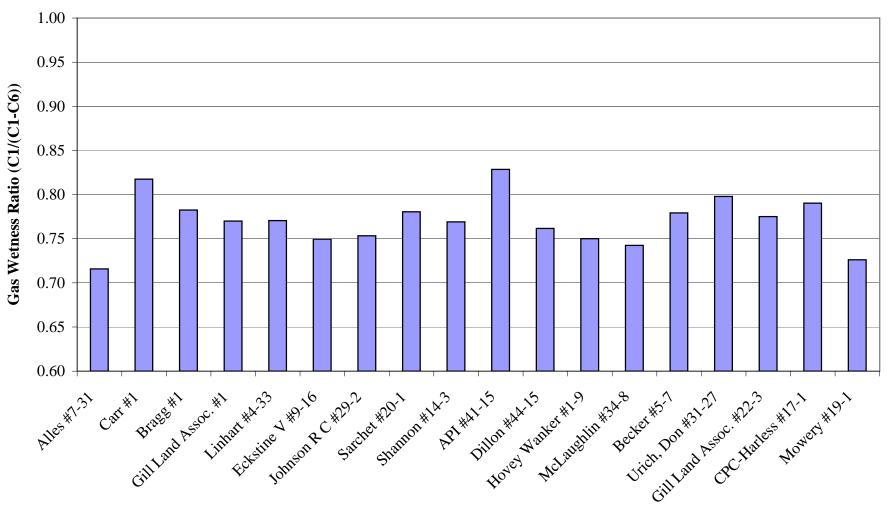
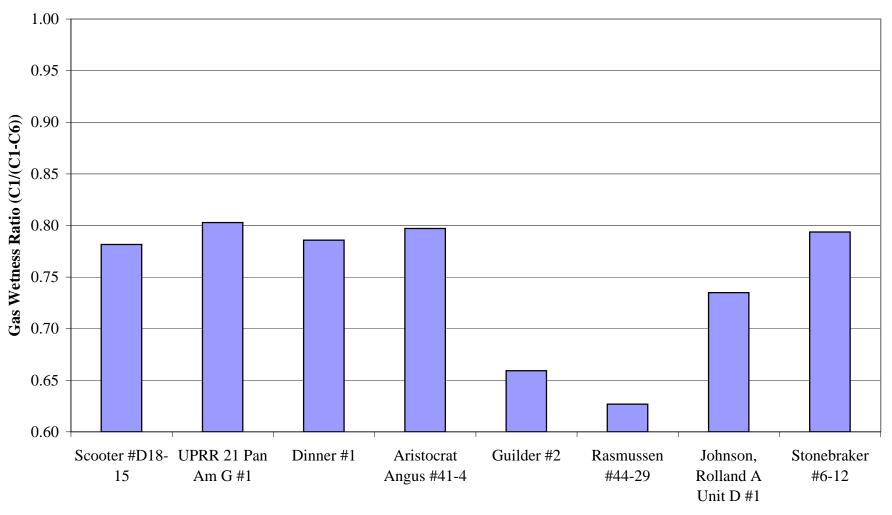




CHART 6
GAS WETNESS - SUSSEX



Natural Gas Production Well



CHART 7 ISOTOPIC ANALYSIS CODELL

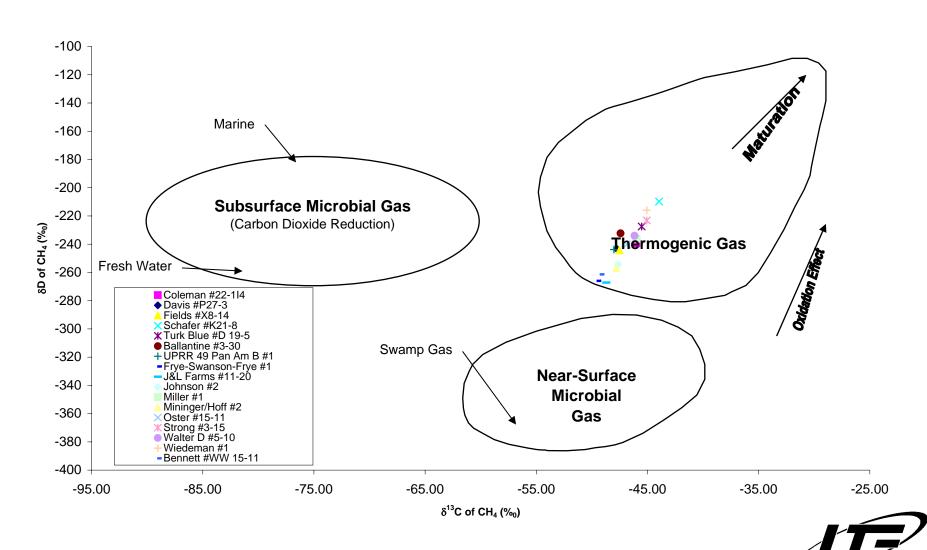


CHART 8
ISOTOPIC ANALYSIS
J SAND / CODELL

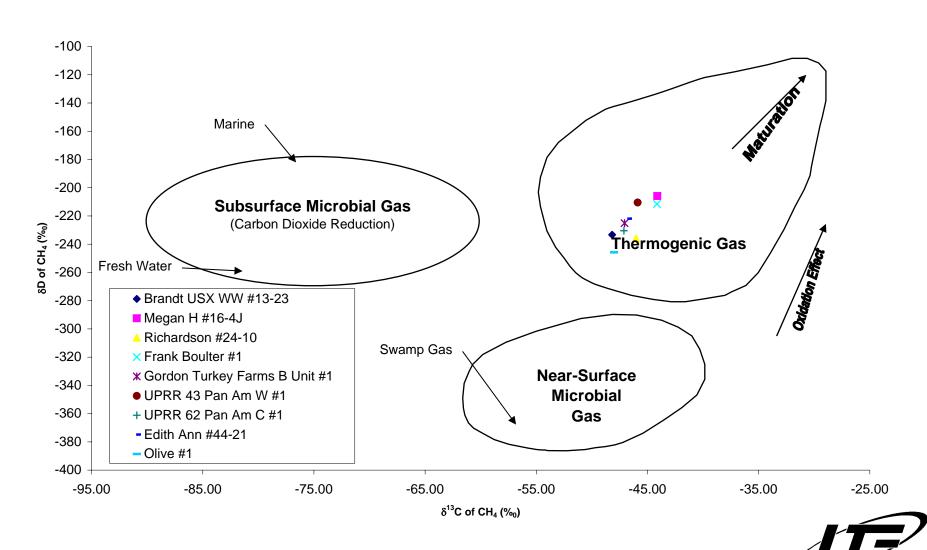


CHART 9
ISOTOPIC ANALYSIS
J SAND / CODELL / NIOBRARA

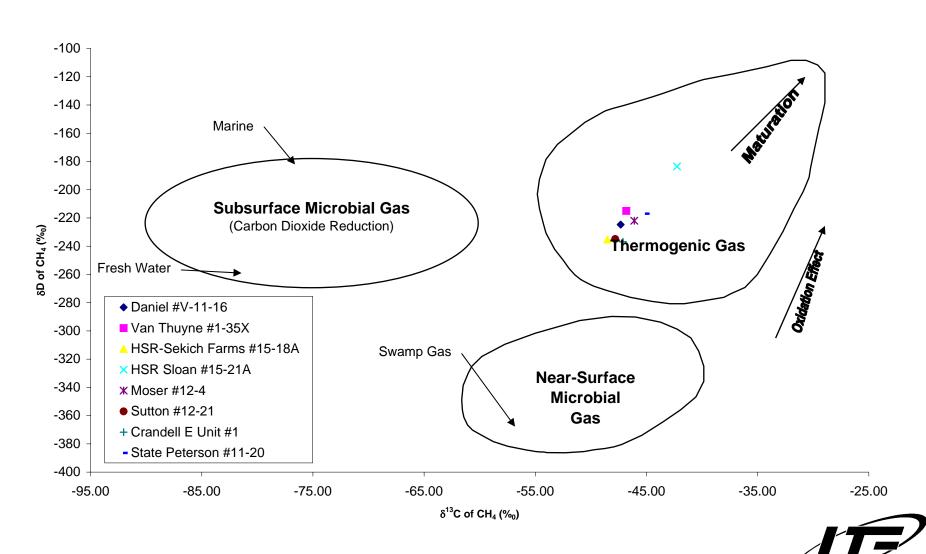


CHART 10 ISOTOPIC ANALYSIS J SAND

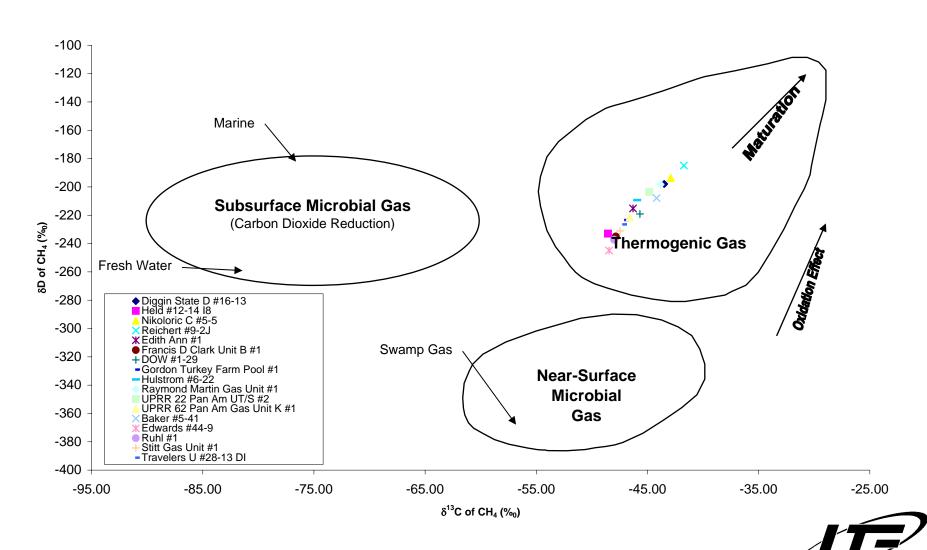


CHART 11 ISOTOPIC ANALYSIS NIOBRARA / CODELL

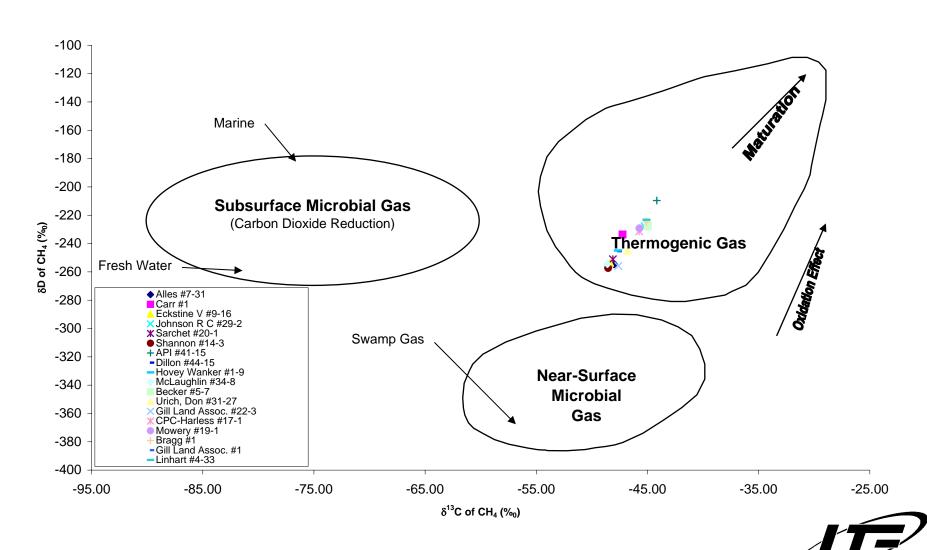


CHART 12 ISOTOPIC ANALYSIS SUSSEX

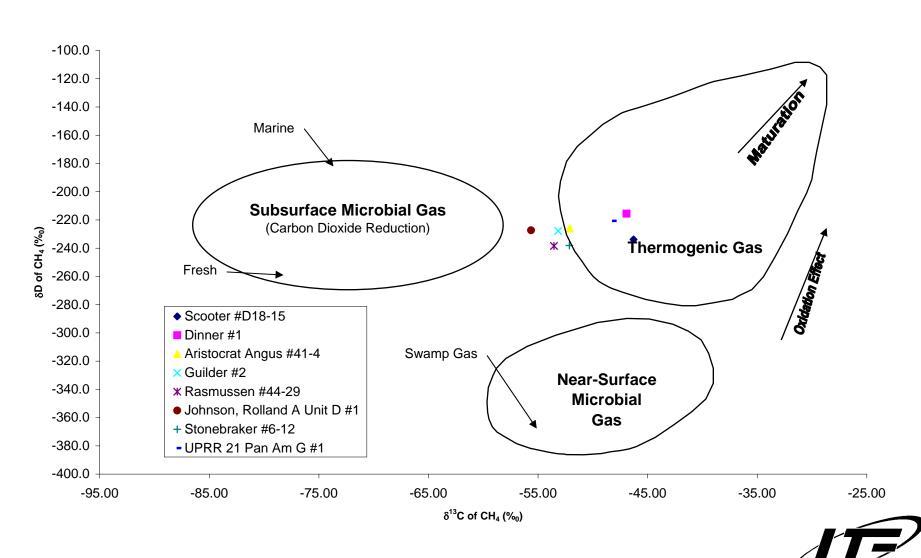


CHART 13 ISOTOPIC ANALYSIS ALL PRODUCTION ZONES

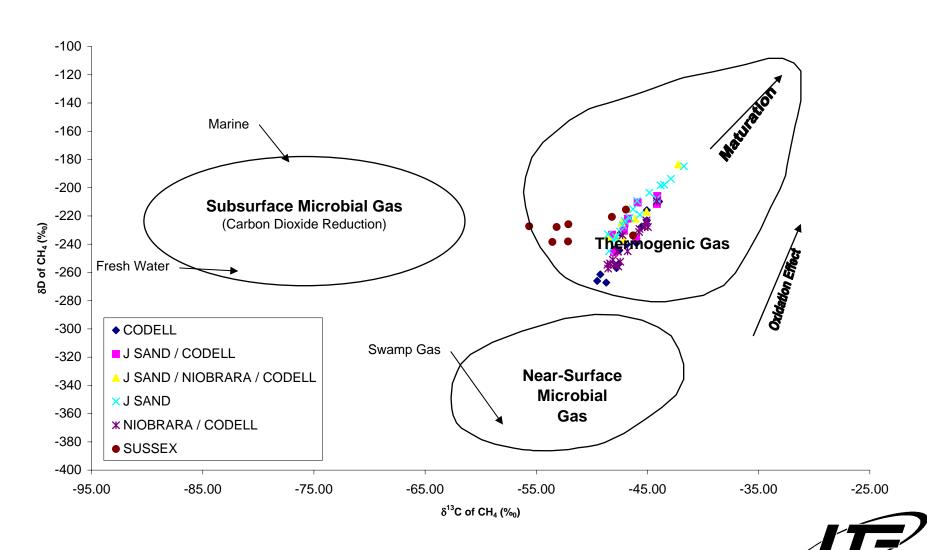


CHART 14 - STIFF DIAGRAM - BRUCE REED

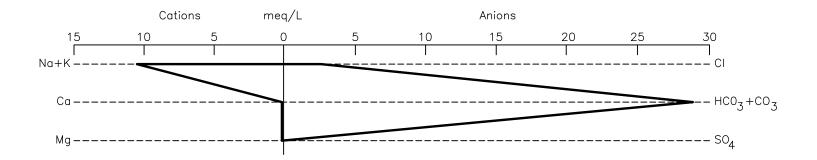


CHART 15 - STIFF DIAGRAM - CARMIN KELLY

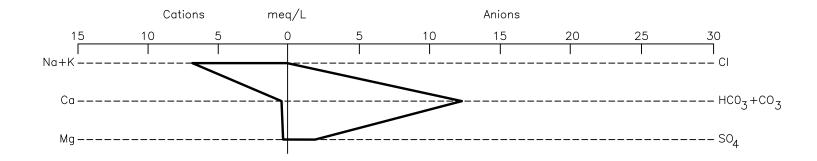


CHART 16 - STIFF DIAGRAM - EPPLE W AND L

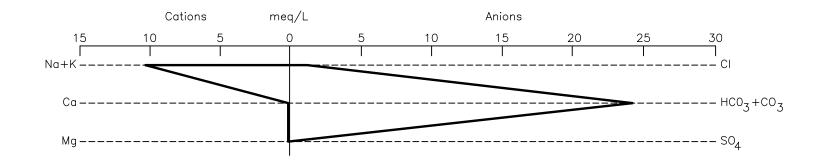


CHART 17 - STIFF DIAGRAM - HAGER

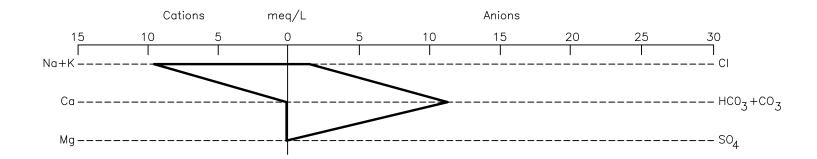


CHART 18 - STIFF DIAGRAM - HAROLD DUTTON

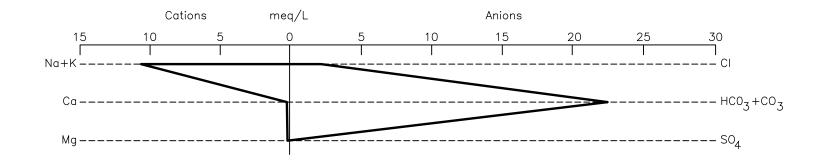


CHART 19 - STIFF DIAGRAM - JERRY SUMNER

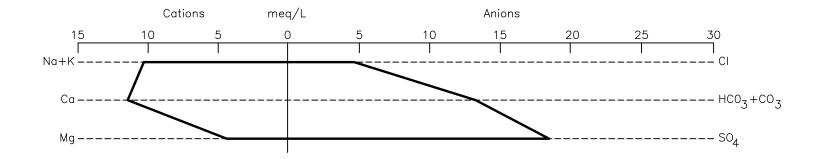


CHART 20 - STIFF DIAGRAM - L AND F RANCH

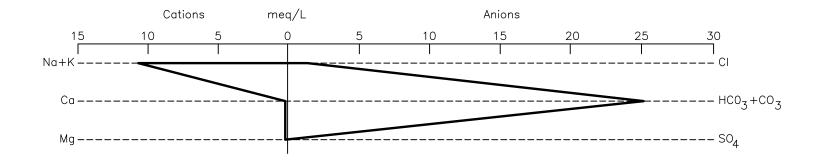


CHART 21 - STIFF DIAGRAM - S M RANCH

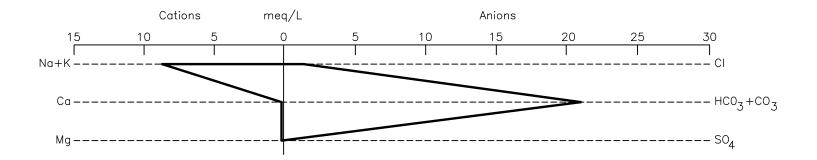


CHART 22 - STIFF DIAGRAM - V ANDROVICH

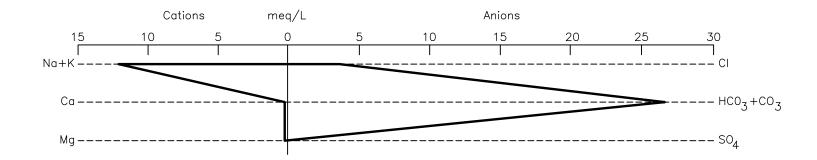
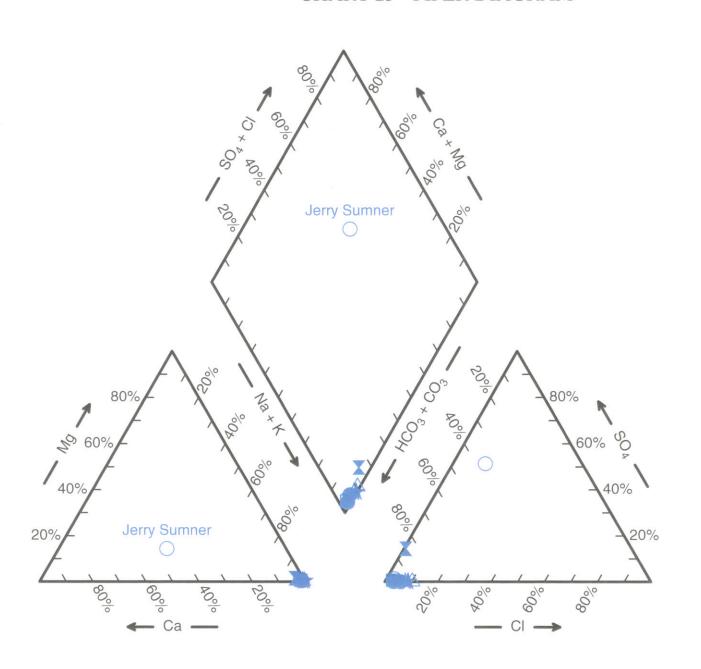


CHART 23 - PIPER DIAGRAM



Legend

- □ Bruce Reed
- ▼ Carmin Kelly
- Epple...
- ★ Hager
- ☆ Harold Dutton
- Jerry Sumner
- L and F...
- S M Ranch
- △ Victor and...

CHART 24
GAS WETNESS - WATER WELLS

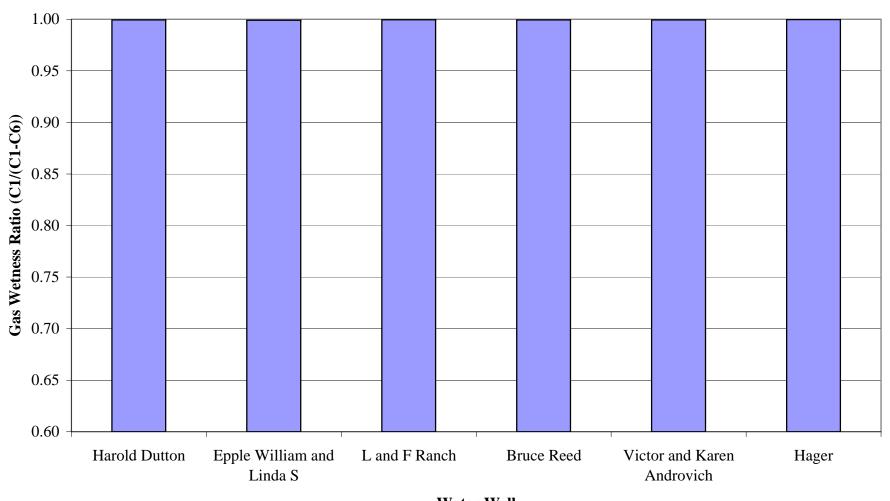
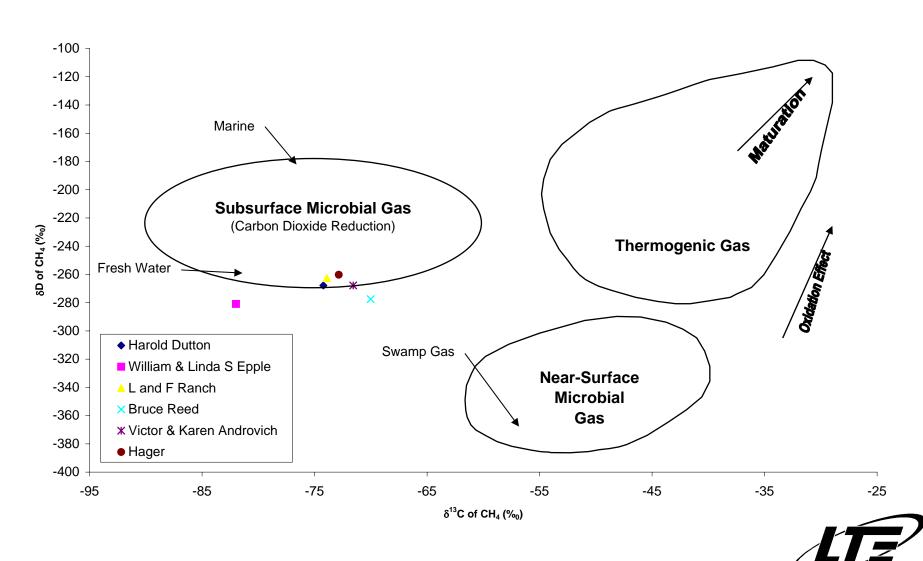






CHART 25 ISOTOPIC ANALYSIS WATER WELLS



APPENDIX A EQUIPMENT SPECIFICATIONS



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Three point pH calibration with auto buffer recognition and 4 point conductivity calibration (one per range) provide high accuracy. Features include water-resistant membrane keypad, Auto-off, Hold, and ready indicator.

Features

- Switch from Conductivity to pH at the press of a button
- Replaceable Multi-sensor probe with 10ft submersible cable
- Dual display of pH (or conductivity) plus temperature
- Easy push-button conductivity and pH calibration
- Automatic Temperature Compensation (ATC)

SPECIFICATIONS

Temperature Compensation:

Conductivity Cell Constant (K):

Conductivity temperature coefficient:

Operating Temperature:

Power:

Battery Life:

Dimensions:

Automatic from 0 to 50°C

1.0

2.00% per°C

0 to 50°C

four 1.5 V AAA batteries

50 b

>50 hours Meter -- 7.5"L x 3.5" W x 1.75"H

Probe -- 6.8"L x 1.3" diameter

1.4 lbs

Shipping Weight:

TYPE	PH	CONDUCTIVITY	TEMPERATURE
Range	0 to 14.00 pH	0 to 19.99μS, 0 to 199.9μS, 0 to 1999μS, 0 to 19.99mS	0 to 100 °C
Resolution	0.01 pH	0.01μS, 0.1μS, 1μS, 0.01mS	0.1°C
Accuracy	± 0.01 pH	± 1% full scale or ±1 digit conductivity	± 0.5°C

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- windows Mobile 2003 software for Pocket PCs, allowing maximum flexibility in software choice
- Rugged handheld with all-day battery
- Advanced color TFT display with backlight
- Integrated Bluetooth for wireless connectivity

From data collection to data maintenance, to mobile GIS and beyond ... the GeoXT is the handheld of choice.

- * Bluetooth type approvals are country specific. GeoExplorer series handhelds are approved for use with Bluetooth in the USA. For a complete list of other countries with Bluetooth approval please refer to:
- www.trimble.com/geo_bluetooth.html.

 ** Microsoft Streets & Trips 2004 software available in US/Canada; Microsoft AutoRoute® 2004 in Europe.



The total GPS platform for all your GIS field requirements

Standard features

System

- Microsoft Windows Mobile 2003 software for Pocket PCs
- 206 MHz Intel StrongARM processor
- 512 MB non-volatile Flash data storage
- Outdoor color display
- Ergonomic cable-free handheld
- Rugged and water-resistant design
- All-day internally rechargeable battery
- Bluetooth wireless

GPS

- Submeter accuracy
- Integrated WAAS¹/EGNOS²
- RTCM real-time correction support
- NMEA and TSIP protocol support
- EVEREST multipath rejection technology

- GPS Controller for control of integrated GPS and in-field mission planning
- GPS Connector for connecting integrated GPS to external ports
- File Explorer, Internet Explorer, Pocket Outlook (Inbox, Calendar, Contacts, Tasks, Notes), Sprite Pocket Backup, Transcriber, Pocket Word, Pocket Excel, Pictures, Windows® Media Player, Bluetooth File Transfer, Calculator, ActiveSync®
- Microsoft Streets & Trips/AutoRoute 2004 software

Accessories

- Support module with power supply and USB data cable
- Getting Started Guide
- Companion CD includes Outlook 2002 and ActiveSync 3.7.1
- Hand strap
- Pouch
- Stylus

Optional Features

Software

- TerraSvnc
- GPScorrect for ESRI® ArcPad®
- GPS Pathfinder® Tools Software Development Kit (SDK)
- **GPS Pathfinder Office**
- Trimble GPS Analyst extension for ArcGIS®

Accessories

- Serial clip for field data and power input
- Vehicle power adaptor3
- Portable power kit3
- Hurricane antenna
- External patch antenna
- Pole-mountable ground plane Baseball cap with antenna sleeve
- Beacon-on-a-Belt (BoB™) differential correction receiver3
- Hard carry case
- Null modem cable³
- Backpack kit

 Weight.
 0.72 kg (1.59 lb) with battery

 Processor
 206 MHz Intel StrongARM SA-1110

 Low (no GPS)
 0.6 Watts

 Normal (with GPS)
 1.4 Watts

 High (with GPS, backlight, and Bluetooth)
 2.5 Watts
 Battery Internal lithium-ion, rapidly rechargeable in unit, 21 Watt-hours

Environmental

Technical specifications

Temperature	
	10 °C to +50 °C (14 °F to 122 °F)
Storage	20 °C to +70 °C (-4 °F to 158 °F)
Humidity	99% non-condensing
Casing	.Wind-driven rain and dust-resistant per IP 54 standard
	Slip-resistant grip, shock- and vibration-resistant

Input/output

..... Bluetooth for wireless connectivity Communications . USB via support module, serial via optional DE9 serial clip adaptor Bluetooth

Certification.......Bluetooth type approvals are country specific. GeoExplorer series handhelds are approved for use with Bluetooth in the USA.

For a complete list of other countries with Bluetooth approval please refer to www.trimble.com/geoxt ts.asp.

Profiles Both client and host support Serial Port, File Transfer (using OBEX) Client support only Dial-Up Networking, Lan Access Basic Imaging, Object Push

Display Advanced outdoor TFT, 240 × 320 pixel, 65,536 colors, with backlight Audio Microphone and half duplex speaker, record and playback utilities Interface Anti-glare coated touch screen, Soft Input Panel (SIP) virtual keyboard 2 hardware control keys plus 4 programmable permanent touch buttons

Handwriting recognition software, Audio system events, warnings, and notifications

GPS Channels... Update rate......1 Hz

.. 30 sec (typical) Protocols......NMEA (GGA, VTG, GLL, GSA, ZDA, GSV, RMC), TSIP (Trimble Standard Interface Protocol)

Accuracy (RMS)⁴ after differential correction

Carrier postprocessed⁶

- 1 WAAS (Wide Area Augmentation System). Available in North America only.
- The New York of the New York o

Serial clip also required.

- Horizontal accuracy. Requires data to be collected with minimum of 4 satellites, maximum PDOP of 6, minimum SNR of 4, minimum elevation of 15 degrees, and reasonable multipath conditions. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade precision by interfering with signal reception. Accuracy varies with proximity to base station by +1 ppm for postprocessing and real-time, and by +5 ppm for carrier postprocessing. Postprocessing with GPS Arthinder Office software or GPS Analyst extension for ArcGIS. Requires collection of carrier data. (Only available with the GPS Pathfinder Office software).

Specifications subject to change without notice.

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YOUR LOCAL TRIMBLE OFFICE OR REPRESENTATIVE



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Bluetooth

APPENDIX B

COLORADO OIL AND GAS CONSERVATION COMMISSION FORM 17 BRADENHEAD TEST REPORTS



FORM

State of Colorado

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(Concesso	ı
الجعملانا	
-	
TX DILE	!

POR OSCE USE ONLY

Dil and Gas Conservation Con	nmission					
1120 Lincoln Street, Suite 801, Denver, Coloredo 80203 (303) 89- BRADENHEAD TEST F	FPORT	3 894-2	109	-		
				1		
Step 2. Sample now, it intermediate or streets coming present a large state of the						
Beep 4. Conduct Intermediate casing last. Beep 5. Sand report to ELM within 30 larys and to OGCC within 10 says should supressed or it wideless configuration has changed since enor program.	te wellbore diagn Affects per and	m f egipe gud snev	evicusly east samples	J <u></u>		
1 OGCC Operator Number:	_			11. Date of T	Det: //-	1.06
2 Name of Operator Petro - Canada	1. BLM Le				us: Flowin	- ==
4. API Number: 1244 5. Multiple b 6. Well Name: Hart 655 17-1	ompletion? (X Y80	□ No	Gas Lift Clock/inte	Pumping Hmiller	Injectio
7. Location (OtrOti, Sec. Twp, Rng, Meridian); /V K N C 34-1	CIT TH	U R	6-1W	Painger L	ir .	
8. County: Weld 9. Field Nume:	5WA_			13. Number o	Casing Strin	igs: Uner?
10. Minerals: Fee States Federal Like 14. STEP 1: EXISTING PRESS						
Tubint: Tubing: Prod Casing	; interme	diate	Surface	16.		
Record all 340 3415	Ceg:		Casung:	STEP 2: 5	See instructi	one above.
found Fm: Fmaug-(D Fmilipg-	ري 					
16. STEP 3: I	BRADENHE	AD TES	T			1.
Buried valve? Yes No Confirmed open? Yes I	(NAM: SINC)	Fm:	Fm: Tubing:	Production Casing PSIG	Intermedate Casing PSIG	Brade^head Flow:
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if	00:					
tubing pressures, open surece casing (pressures) in an intermediate casing monitor only the production casing and tubing pressures. Record pressures at five minute intervels.	05:	├		-	 	-
Define characteristics of now in Bradenhead riow calonin	_a	ļ		ļ	 	<u> </u>
using letter dasignations below: O = No Flow; C = Continuous; D = Down to 8; V = Vapol	r 10:	ļ				
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15;					
BRADENHEAD SAMPLE TAKEN?	20:	 				
Character of Bradenhead fluid: Clear Fresh	25:	ļ				
Sulfur Salty Black] •••			J		<u> </u>
Other: (describe)	. 30:					
Sample cylinder number:		Mote insi	tentaneous Brade	nheed PSIG at	and of test.	<u> </u>
17. STEP 4: INTER	T			Production	Injernediste	Prormediate
ROUGH AND THE THE PARTY OF THE	(MIN:Sec)	Fm: Tubing:	Fm:	Casing PSIG		Flow
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	50:			Ī	1	593
presures at five minute intervals. Characterize flow in	05:	 		 		
Intermediate Flow* column using letter designations below:	10:					1945
D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water HZO; M = Mud; W = Whitsper; S = Burge; G = Gas		<u> </u>				6163
	15:			İ		•
INTERMEDIATE SAMPLE TAKEN?	20:				1	T
Character of Intermediate fluid: Dieer Fresh	25.			-		
Sultur Salty Black	30:					
Other: (describe) Semple cylinder number:	- ^{30:}					
Sambin chinos, marmer.	Nois in	Stantana:	pus Intermediate	Casing PSIG s	end of test	>
8. Comments:						
	··					
9. STEP 5: See instructions above.						
hereby certify that the statements made in this form are,	to the best	of my ki	nowledge, trus	e, correct, ai	nd complet	e.
est Performed by:			Ph			
igned: Matthe Will Title:					٠ <u>١</u>	
			~			
/ITNESSED BY: Title: _			Ag	ency:	-	

FOR DGCC USE DNLY

Dil and Gas Conservation Comm	ission	004 716	<u>,</u> [NOIL B					
1120 Lincoln Street, Suite 801, Denver, Colorado 80263 (303) 894-21 BRADENHEAD TEST RE	PORT	894-210	19						
		_							
Step 2. Sample now, it intermediate or surrace casing present and participation of the step 3. Conduct Bradenhead lest.									
Step 4. Conduct intermediate chaing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include we submitted or if welbore configuration has changed since prior program. At	elibore diagram ach gas and liqu	if not pres	as II M	impled.	11. Date of Te				
1. OGCC Operator Number:	1. OGCC Operator Number: 1. OGCC Operator Number: 2. Exc. F.(A-1)(1): 3. BLM Lease No:								
2. Name of Operator: K, F, KCW F/A-I/I/N 4. API Number: 1661 5. Multiple com	12. Well Status: Flowing Shut In Gas Lift Pumping Injection								
Number: Number: 15 Clock/Intermitter									
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SVSE SEC3 8. County: Wetch 9. Field Name: Gu		KO	<u> </u>		13. Number of				
10. Minerals: Fee State Federal India	in				Two	Three	Liner7		
14. STEP 1: EXISTING PRESSUR Tubing: Tubing: Prod. Casing:	15.								
Record all	Ceg:		Casi			ee instructio	ns above.		
found Fm: Fm:() L. Fm:() L.			<u> </u>	5_					
16. STEP 3: BR	ADENHEA	D TES	T				Γ		
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time (Min:Sec)	Fm:		Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:		
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if tubing pressures, open surface casing (bradenhead) valve (if tubing pressures).	00:								
no intermediate casing, monitor only the production casing and	05:				 				
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10:			 .	-				
O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:				 				
BRADENHEAD SAMPLE TAKEN?									
Yes No Gas Liquid	20:								
Character of Bradenhead fluid: Clear Fresh Sulfur Salty Black	25:								
Other: (describe)	30:	<u> </u>							
Sample cylinder number:	-	L			enhead PSIG at	and of test			
	<u> </u>	===			ennema PSIG at	BIAD DI TOBO.			
17. STEP 4: INTERI	T	1	S TE	ST	Production	Intermediate	intermediate		
Buried valve? Yes No Confirmed open? Yes No	(Min:Sec)	Tubing:		Tubing	Casing PSIG	Casing PSIG	Flow:		
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:	 			<u> </u>		2323		
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:						8565		
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:						8585		
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:	 				 	 		
INTERMEDIATE SAMPLE TAKEN?	20.	-				 	 		
Character of intermediate fluid: Clear Fresh	25:	<u> </u>				<u> </u>	ļ		
Suffur Salty Black				_			ļ <u>-</u>		
Other: (describe)	30:								
Sample cylinder number:	Note in	istanian	eous i	ntermediat	a Casing PSIG	at end of test:	>		
18. Comments:									
						<u> </u>	-		
19. STEP 5: See instructions above.									
I hereby certify that the statements made in this form are,	to the best	of my	knov	vledge, tr	ue, correct, a	and comple	ite.		
Test Portormed by:				F	Phone:				
Signed: Mantin Milan Title:	STATE	Keen	-	[Date:	7 46			
Olgrico.					Agency:				
					-geney				

FOR OGCC USE ONLY

Dil and Gas Conservation Comm	ission								
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-21	00 Fax: (303)	894-210	9	-		j			
BRADENHEAD TEST RE				i		ļ			
Step 2. Sample now, if intermediate or surrace causing present and a step 3. Conduct Bradenhead test.									
Step 4. Conduct Intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days include will be submitted or if welloors configuration has changed since prior program. At	mengeub enooffe ach gas and liqu	ir not prev ad prælyst	ously se if sempled	<u> </u>					
1. OGCC Operator Number:	11. Date of Test: 12-806								
2. Name of Operator: Notice 5. Multiple com	12. Well Status: Flowing Shut In Gas Lift Pumping Injection								
6 Well Name: SCSSTLC	اجريجا			Clock/Inter	mitter	LI INJECTION			
7. Location (CtrOtr, Sec, Twp, Rng, Meridian): W/A Shirt Name:	Sec 18	250	K 64-0	20 Plunger Lift 13. Number of		J&:			
10. Minerals: Fee State Federal India				<u> </u>	Three	Liner7			
14. STEP 1: EXISTING PRESSURES Tubing: Prod. Casing: Intermediate Surface									
Record all Tubing: 15.									
pressures as found Fm: Fm: Sudx Fm: Sudx	<u> </u>			<u> </u>					
16. STEP 3: BR	ADENHEA	D TES	Т						
Buried valve? Yes No Confirmed open? Yes No	Elapsed Time (Min:Sec)	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:			
With gauges monitoring production, intermediate casing and	DO:	1 none	Tauna						
tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals.	05:	_							
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10:	-							
D = No Flow; C = Continuous; D = Down to 0; V = Vapor					<u> </u>				
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Ges BRADENHEAD SAMPLE TAKEN?	15:								
Yes No Gas Liquid	20:								
Character of Bradenhead fluid: Cloar Fresh Sulfur Salty Black	25:			-					
Sulfur Safty Hack	30:					-			
Sample cylinder number:				_l	<u> </u>	_			
	<u> </u>	Note inst	entaneous Brade	enhead PSIG at	end of fest.	-			
17. STEP 4: INTERA	REDIATE C	ASING				T			
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time (Mirt:Sec)	Fm: Tubing	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:			
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:					2323			
pressures, open the minute intervals. Characterize flow in pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:					6505			
O = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:	-		+					
H = Water H2O; M = Mud; W = Whitaper; S = Surge; G =Gas	15:	ļ		 	 	6585			
INTERMEDIATE SAMPLE TAKEN?						 			
	[20. 								
Suffur Salty Black	25.								
Other: (describe)	30:								
Sample cylinder number:	Note in	I	ous Intermediate	Casing PSIG 8	t end of test	>			
	(40.6								
18. Comments:		·							
19. STEP 5: See instructions above.						t-a			
I hereby certify that the statements made in this form are,						ic.			
Test Performed by: Tritle: _	_		F						
Signed: Att Title:	5145 6	+ + °y.	<u> ۲</u> ۲						
WITNESSED BY: Title: _	.		^	lgency:					

FOR DECC USE ONLY

Oil and Gas Conservation C	ommissi	ເວນ		News Skiller			
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) BRADENHEAD TES			4-2109		-		
Parent of Depart of Labora and parion programme as follow.			_) l		
Step 2. Sample now, if intermediate or surface casing pressure >25 pal. In Step 3. Conduct Bradenhead test. Step 4. Conduct Intermediate casing test.							
Step 6. Conduct Intermediate casing less. Step 5. Send report to SLM within 30 days and to OGCC within 10 days. It submitted or if wellbore configuration has changed alros prior prog	nclude wellbore rum. Attach ga	ouagnim if no a and liquid a	nelysee if i	ampled.	<u> </u>		
1. OGCC Operator Number:					11. Date of To	set: //·/	O 6
2. Name of Operator: 17476	3. Bi				12. Well Statu		=
B. Well Name: TER 15-11	Number:	TNIN		-5	Clock/Inte	rmitter	- Injuratori
7. Location (CitrOtr, Sec. Twp, Rng, Meridian): レントント 8. County: Vよくし 9. Field Name:	<u> </u>	V (===	·	. 07	13. Number of		
10. Minerals: Fee State Federal		T₩0[Three	Liner?			
14. STEP 1: EXISTING PRE		termediate	Surf	ace	15.		
Record all pressures as		ag:	Cas	•		ee instructio	ins above.
found Fm: Fm: C=DL Fm: C=	DL			10	Blowing	y v.1	
16. STEP:	3: BRADE	NHEAD '	rest				
Buried valve? Yes No Confirmed open? Yes	No Ellipse (Min:S	ed Time Fm iec) Tut		Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
With gauges monitoring production, intermediate casing artubing pressures, open surface casing (bradenhead) valve	{F 1	1.0.					
no intermediate casing, monitor only the production casing tubing pressures.) Record pressures at five minute interval.	and 05;						
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	1 f0:						
0 - 10 10 10 10 10 10 10 1	apor Gas						
BRADENHEAD SAMPLE TAKEN?	15:				1		
	lquid ²⁰ :						
Character of Bradenhead fluid: Clear Fresh Sulfur Selty Black	25:						
Other: (describe)	30:				-	<u> </u>	
Sample cylinder number:							_
		Note	instanta	bar8 eucer	enhead PSIG at	end of test:	>
17. STEP 4: IN	TERMEDIA	ATE CAS	ING TE	ST	_		
Buried valve? Yes No Confirmed open? Yes	No Eleped		Hing.	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
With gauges monitoring production casing and tubing	00:	1100		100019	-		2323
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in	ōs:			<u>-</u>	 -		E.77
"Intermediate Flow" column using letter designations below O = No Flow; C = Continuous; D = Down to 0; V = V	-						6565
							4963
- 11211211	Gas						6365
10 11011							
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L	Gas						
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh	Gas 15:						
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes	Gas 15:						
H = Water H2C; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes	Gas 15: 15: 20. 25:						
H = Water H2C; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe)	15: iquid 20. 25: 30:	Note instan	taneous I	ntermediate	Casing PSIG a	t end of test	
H = Water H2C; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe)	15: iquid 20. 25: 30:	Note instan	taneous	ntermediate	Casing PSIG a	t end of test:	6362
H = Water H2C; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	15: iquid 20. 25: 30:	Note instar	taneous I	ntermediato	Casing PSIG a	t end of test	6362
H = Water H2C; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	15: iquid 20. 25: 30:	Note instar	taneous I	ntermediate	Casing PSIG a	t end of test	6362
H = Water H2C; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	15: iquid 20. 25: 30:	Note instar	taneous I	ntermediate	Casing PSIG a	t end of test:	6362
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments:	Gas 15:						5365
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form Test Performed by:	15: iquid 20. 25: 30: are, to the ide:	best of r	ny knov	rledge, tr	ie, correct, a	nd complet	5365
H = Water H2C; M = Mud; W = Whisper; S = Surge; G = INTERMEDIATE SAMPLE TAKEN? Yes No Gas L Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form Test Performed by:	15: iquid 20. 25: 30: are, to the ide:	best of r	ny knov	rledge, tr	ie, correct, a	nd complet	5563

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J
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FOR DGCC USE ONLY

State of Colorado 17 Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109 Btop 1. Record all tubing and casing pressures as found.

Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi. Btop 3. Conduct Bradenhead test.

Step 4. Conduct Intermediate casing bed.

Step 5. Send report to BLM within 30 44 Conduct insermediates casing tract.

Send report to BLM within 30 days and to DGCC within 10 days, include welloore diagram if not previously, submitted or it welloors configuration has changed since prior program. Attach gas and squid analyses it sampled 11. Date of Test: 11 - 2 - 0-(_____ 3. BLM Lease No: 2. Name of Operator Michigan 12. Well Status: Flowing Shut In 5. Multiple completion? Yes No 4. API Number: 13399 Gas Lift Dumping Linjection Number: 1 Ciock/Intermitter 6. Well Name: Lune 1 TSN 7. Location (OtrOtr, Sec, Twp, Rng, Meridian): Nww Plunger Lift 9. Field Name: CAP 13. Number of Casing Strings: 8. County! Westel ☐ Liner? Two Three State Federal Indian 10. Minerals: 📈 Fee STEP 1: EXISTING PRESSURES 14. Surface Prod. Casing: Tubing: 75 Record all 230 Catung: Ceg STEP 2: See instructions above pressures as \mathcal{O} found Fm: 1~5-(0 FM: NGC C STEP 3: BRADENHEAD TEST Production intermediate Bradenhead Buried valve? Yes No Confirmed open? Yes No Elepsed Time Fm: Caung PSIG Casing PSIG (Min:Sec) Tubing Tubina With gauges monitoring production, intermediate casing and vviiii gauges monitoring production, mermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: 05: 10: D = No Flow; C = Continuous; D = Down to 0; H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas BRADENHEAD SAMPLE TAKEN? Liquid ☐ Yes ☐ No Fresh Character of Bradenhead fluid: Clear 25 Salty Black Sulfur Other: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. Elapsed Time Fm: **Description** Intermediate Imermediate Buried valve? Yes No Confirmed open? Yes No Casing PSIG Casing PSIG Tubina Tubing 00: With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 6565 10: O = No Flow; C = Continuous; D = Down to 0; V = Vapor 6555 H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas 15· INTERMEDIATE SAMPLE TAKEN? 20 Liquid ☐ No Gas Gas ☐ Yes Character of Intermediate fluid:

Clear Fresh 25. Salty ☐ Black Sulfur 20 Other: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSIG at end of test: Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Test Performed by:

Title: STAFF CHOISET Date: 11:3:00 Signed: Nath __Title:___ _ Agency: __ WITNESSED BY: _

17 Rev 8/99

State of Colorado

None Service S

FOR DECC USE ONLY

Rev. 8/99	Dil and Ga	as Conserva	tion Comm	NISSION	004 21		OILA GAS	}				
1120 Lincol	n Street, Suite 801.	Denver, Colorado 802	TEST RE	PORT	7 53-4-211							
Step 1. Record all					_							
Step 3. Conduct E Step 4. Conduct is	kradenhead lest. Nammed sits casing test	t	40 ann Iomhida u	eller decem	f not pre	viously						
aubmitted	or if welloom configure	ys and to OGCC within ation has changed sino	e pnor program. At	tach gas and liq	ud srulys	es il sampi	<u></u>	At Date of Te	<u> </u>	.01		
1. OGCC Operator Number: 2. Name of Operator: Mc/17 En/19 3. BLM Lease No: 5. Multiple completion? Yes PI No.									11. Date of Test: ↓ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
4. API Numbe	r 10800	<u></u>	5. Multiple com		Yes [Z) No	}	Gas Lift	Pumping	_		
6. Well Name	<u>الن و راعية .</u> HrOte Sec Two Ri	ia. Meridian): VI A	Numbe	733	141	PE	<u>,</u>	☐ Clock/Inter ② Plunger Lif				
Well Name: V. Location (OtrOtr, Sec, Twp, Rng, Meridien): V. V. V. S. C. G. T. Y. D. L. G. V. A. County: V. L. C. State Federal Indian Indian									13. Number of Casing Strings: Two Three Liner?			
10. Minerals: State Federal modes 14. STEP 1: EXISTING PRESSURES												
Tubing: Tubing: Prod Casing: Intermediate Surface								15.				
Record all pressures as found		100	15	Ceg:		Casing:	17	STEP 2: S	ee instructio	ins above.		
100110	Fm:	FM: LD DC.	Fm: (Olk					<u> </u>				
16.			STEP 3: BR	Elapsed Time		Fm		Production	Intermediate	Bradenhead		
	_	Confirmed open?	J	(Min:Sec)	Tubing	Tut	ing.	Casing PSIG	Casing P5(G	Flow:		
tubing pressur	es, open surface (ion, intermediate of casing (bradenher only the production	on casino and							ļ		
I all being managers	as I Decord oraci	sures at five minut Bradenhead Flow	te intervata.	05:								
using letter de	signations below: C = Continuous;		V = Vapor	10:			-					
H = Water H2O	M = Mud; W =	Whisper; S = Sur	ge; G=Gas	15:	ļ			-				
BRADENHEAD Yes	SAMPLE TAKEN?	∏ Gas	Liquid	20:	-			 				
	radenhead fluid:	Clear 🔲	Fresh	25:					 			
Sulfur	Salty	☐ Black		30.		_ _		ļ <u> </u>				
Sample cylinder	r number:	<u> </u>		30:				<u> </u>				
				<u></u>	Note ins	tentaneo	a Brade	enheed PSIG at	end of test:	>		
17.		STE	P 4: INTER	MEDIATE C	ASING	TEST			·	,		
Buried valve?	Yes No C	Confirmed open?	Yes No	Elapsed Time (Min/Sec)	Fm: Tubing:	F.m.	: ping:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:		
With gauges n	nonitoring product	tion casing and tule te casing valve. R	bing lecord	00:						2323		
pressures at fi	ve minute interval	is. Characterize fi ng letter designation	low in	05:		-				9585		
O = No Flow;	C = Continuous;	D = Down to 0;	V = Vapor	10:		_			-	656h		
H = Water H2O	; M = Mud; W =	Whisper; 8 = Sur	rge; G=Gas	15:		+	_	 		 		
l' —	SAMPLE TAKEN?	Gas		20:	ļ			 		-		
Character of Ir	No No		Fresh	25:				ļ <u>-</u> -				
Sulfur	Salty [Black		_						ļ		
Sample cylinde				30:								
Sample dymidd				Note in	stantan	nous inter	mediate	Casing PSIG a	it end of test:	>		
L				1								
18. Commen	ts:			1								
18. Commen	its:											
18. Commen	its:											
		is above.										
19. STEP 5:	See instruction		this form are,				lge, tn			te.		
19. STEP 5: I hereby cert	See instruction	ments made in t	Title: _	to the best	of my	knowled	P	ie, correct, a	and comple	te.		
19. STEP 5: I hereby cert	See instruction	ments made in t	Title: _	to the best	of my	knowled	P	re, correct, a	and comple	te.		

State of Colorado 17 Oil and See Conservation Commission



FOR OGCC USE ONLY

Rev 8/99	Oil and G	as Conserva: Denver, Colorado 802	tion Comm	NISSION 100 Err: 1303	1994-21	LA LEAS	7		
1120 Lincol	n Street, Suite au t,	DENHEAD	TEST RE	PORT	7027 210		_		ı
Step 2. Sample no Step 3. Conduct E	tubing and casing pre bw, it intermediate or a tradenhead less.	sacres as found. urfscs casing pressure	>25 pai. In sensitr	re areas, 1 psu					
		t ys and to OGCC within ation has changed since	10 days Include v prior program. Al	selbore diagram tech gas and liq	ud aralya	es if sampled	<u></u>		
1. OGCC Ope	mtor Number:						11. Date of Te	mt II J	,06
2. Name of O	perator: MA ()	t Engy	5. Multiple com	3, SLM Lease	se No: _] Yes [12. Well Statu		
6 Well Name	13333 Mayrra		Numbe	#: <u># 1€(- 1</u>	\		_ ☐ Gas Lm _ ☐ Clock/Inter		Injection
7. Location (C	trOtr, Sec. Twp, Rr	ig, Meridian): <u>나는 S</u>		<u>√ 751</u> √ Λ	<u>13 i</u>	x 60 /VV	Plunger Life 13. Number of		
8. County:(JOLIA 🗆	State Feder						Three	Liner?
14. STEP 1: EXISTING PRESSURES									
Record all	Tubing: Tubing: Prod. Casing: Intermediate Surface								
pressures as		ြီ့ဥဝ	Fm:N3-C	" "		\circ	STEP 2: S	ee instructio	ons above.
	Fm:	Fm71(3-(5)					<u> </u>		
16.			STEP 3: BF	T	r —	Fm:	Production	Intermediate	Bradenhead
Buried valve?	- -	Confirmed open?		(Min:Sec)	Fm: Tubing:	Tubing:	Casing PSIG	Casing PSIG	Flow:
4.hinn neacester	AC ARAB CHESTA	ion, intermediate o casing (bradenhea	KLI ANIAR (II	00:	[
no intermediat	e casing, monitor es \ Record presi	only the production	e intervals.	05:					
Define charact	eristics of flow in signations below:	Bradenhead Flow	r column	10:	 		_		ļ
D = No Flow;	C = Continuous;	D = Down to 0; Whisper; S = Sur	V = Vapor me: G =Gas	L					
H = Water H2O	SAMPLE TAKEN?	Triniper, 5-30	We'	15:					
Yes	□ No	☐ G25	Liquid	20:					
I —	radenhead fluid:	<u> </u>	Fresh	25:	ļ ——	 -			
Sulfur Other: (d	Salty	☐ Błack		30:	ļ. —				-
Sample cylinder					<u> </u>				
				<u></u>	Note ins	tentaneous Bra	idenhead PSIG at	end of test:	>
17.		STE	P 4: INTER	MEDIATE C	ASING	TEST	- +		т
Buried valve?	Yes No (Confirmed open?	Yes No	Elepsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Cesing PSIG	Intermediate Casing PSIG	Intermediate Flow:
With gauges n	nonitoring product	ion casing and tub	oing exord	00:					2323
pressures at fi	ve minute interval	e casing valve. Ri ls. Characterize fl ng letter designatio	ow in	05:		_			8565
O = No Flow;	C = Continuous;		V = Vapor	10:					5565
H = Water H2O	, M = Mud; W =	Whisper; 8 = Sur	ge; G =Gas	15:		-			
_	SAMPLE TAKEN?	☐ Gas	Liquid	20.					
Character of In	No No No Network No Network		Fresh	25:	 				
Sulfur	Salty [Black		25.					
Other: (de				30:					
Sample cylinder	r number:			Note in	eta stane	ous Intermedia	ate Casing PSIG s	t and of lest:	>
				(ADIG #1	19CHII (THING	IOUS IIIIONIIIOON		. 6.14 61 1456	
18. Commen	ta:								
									
19. STEP 5:	See instruction	s above.							
I hereby cert	ify that the state	ments made in t							
Test Performe	ed by:		Title: _	<u> </u>			Phone:		
Signed:	tt ive Vie	<u> </u>					Date://: .		
	BY:	_	Title:				Agency:		

FOR DECCUSE ONLY

Dil and Gas Conservation Comm	ission			'				
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-21 BRADENHEAD TEST RE	PORT	894-210				Ì		
		_		אר				
Step 2. Sample now, if Intermediate or surface country product Bradenhead lest.								
Besp 4. Conduct Intermediate casing test. Besp 5. Send report to BLM within 30 days and to OGCC within 10 days. Include we submitted or if wellbors configuration has changed since prior program. At	ech gas and iqu	if nal pre- ad analys	vicusity les if sampled	JL				
1. OGCC Operator Number:	11. Date of Te	11. Date of Test: 11-2-0 to						
La Numaronambre Milliot Rows 1		12. Well Status: Flowing Shut in						
4. API Number: 13547 5. Multiple comp		Yes	No	Gas Lift [Injection		
7. Location (OtrOts, Sec. Twp. Rng. Meridian): NWSVJ Sic	<u> </u>	<u> </u>	RETW	Plunger Lift	<u> </u>			
8. County: WCK 9. Field Name: 15.2				_ 13. Number of Two	Casing String Three	Liner7		
10. Minerals: Fee State Federal industrial STEP 1: EXISTING PRESSUR								
Tubing: Tubing: Prod. Casing:	Tubing: Tubing: Prod. Casing: Intermediate Surface							
pressures as	Cag:		Casing:	STEP 2: S	ee instructio	ns above.		
found Fm: Fm: NC CO Fm: NC-CC				<u></u>				
16. STEP 3: BR		r —	Fm:	Production	Intermediate	Bradenhead		
Buried valve? Yes No Committed opening 100	Elapsed Time (Min:Sec)	Fm: Tubing	Tubing:	Casing PSIG	Casing PSIG	Flow:		
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenheed) valve (if tubing pressures, open surface casing (bradenheed) valve (if	00:	1						
no intermediate casing, monitor only the production casing and	05:							
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10:	 -						
O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:	ļ		_				
BRADENHEAD SAMPLE TAKEN?	15.							
Yes No Gas Liquid	20:							
Character of Bradenhead fluid: Clear Fresh	25:	<u> </u>	- -					
Sulfur Salfy Black	30:	-						
	1				1			
Sample cylinder number:		<u> </u>			1			
Sample cylinder number:		Note in	stantaneous Bri	adenhead PSIG at	end of test:	>		
CTED 4: INTERI	<u> </u>			sdenhead PSIG st	end of test:	>		
	AEDIATE C	ASIN(G TEST	Production Casing PSIG	end of test: Intermediate Casing PSIG	> Intermediate		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No Mith gauges monitoring production casing and tubing	AEDIATE C	ASIN	G TEST	Production	Intermediate			
17. STEP 4: INTERIOR Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures of the migrate intervals. Characterize flow in	AEDIATE C Elepsed Time (Min: Sec)	ASIN(G TEST	Production	Intermediate	2323		
17. STEP 4: INTERIOR Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	AEDIATE C Elepsed Time (Min Sec) 00:	ASIN(G TEST	Production	Intermediate	Flow:		
17. STEP 4: INTERIOR Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor	AEDIATE C Elapsed Time (Min:Sec) 00: 05:	ASIN(G TEST	Production	Intermediate	2323		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas	AEDIATE C Elepsed Time (Min Sec) 00:	ASIN(G TEST	Production	Intermediate	2323 6565		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN?	AEDIATE C Elapsed Time (Min:Sec) 00: 05:	ASIN(G TEST	Production	Intermediate	2323 6565		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh	AEDIATE C Elepsed Times (Min: Sec) 00: 15:	ASIN(G TEST	Production	Intermediate	2323 6565		
17. STEP 4: INTERIOR Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black	#EDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20:	ASIN(G TEST	Production	Intermediate	2323 6565		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe)	#EDIATE C Elapsed Time (Min Sec) 00: 05: 15: 20:	ASIN(G TEST	Production	Intermediate	2323 6565		
17. STEP 4: INTERIOR Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black	### AEDIATE C Elapsed Time (Min: Sec)	Fm:Tubing:	G TEST Fm:Tubing:	Production	Intermediate Casing PSIG	2323 6565 6565		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number:	### AEDIATE C Elapsed Time (Min: Sec)	Fm:Tubing:	G TEST Fm:Tubing:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565 6565		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number:	### AEDIATE C Elapsed Time (Min: Sec)	Fm:Tubing:	G TEST Fm:Tubing:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565 6565		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number:	### AEDIATE C Elapsed Time (Min: Sec)	Fm:Tubing:	G TEST Fm:Tubing:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565 6565		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sultur Salty Black Other: (describe) Sample cylinder number:	### AEDIATE C Elapsed Time (Min: Sec)	Fm:Tubing:	G TEST Fm:Tubing:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565 6565		
17. STEP 4: INTERI Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments:	### AEDIATE C Elepsed Times (Min Sec)	Fm:_Tubing:	G TEST Fm:Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	2323 6565 5565		
17. STEP 4: INTERIOR Buried valve? Yes No Confirmed open? Yes No Vith gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water HZO; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sultur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are,	AEDIATE C Elepsed Time (Min Sec) 00: 15: 15: 20: 25: Note is	Fm:_Tubing:	G TEST Fm:Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	2323 6565 5565		
17. STEP 4: INTERIOR Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; 8 = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN?	AEDIATE C Espeed Time (Min Sec) 00: 15: 15: 20: 25: 30: Note is	Tubing:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565 5565		
17. STEP 4: INTERIOR Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: 0 = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, Test Performed by: Title: Signed: Title:	AEDIATE C Expeed Time (Min Sec) 00: 15: 20: 25: Note in the best	Tubing:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	2123 6565 6565 21'C.		

FORM		Canana of Co	lazada			With the	7	ON DECC USE ONLY		
[17]										
(Rev s/Wi)	Dil and Ga	as Conserva	TION COMIN	US21011	004 71					
1120 Lincoln		Denver, Colorado 802			034-21		-		i	
		DENHEAD	IESI KE	PORT			1			
ÌStan 2. Semple ∩o	tubing and casing pre- w, if intermediate or si	esurse as found. Lifece casing pressure	>25 pai. In eensitr	re areas, 1 per			<u> </u>			
Step 4. Conduct M	Bissp 3. Conduct Bradenheed lest. 869 9, Conduct Bradenheed lest. 869 9, Conduct hiermedista casing last. 869 9, Sond report to SLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously								j	
Step 5. Send report to BUM within 30 days and 5 OCCC within a submitted or if wellbore configuration has changed since prior program. Attach gas and equid energies if sampled										
1. OGCC Operator Number:								est: () / 3	50/06	
								Shut In		
4. API Numbe	r <u>0839</u>	5	5. Multiple com		Yes	No	I 	Pumping	njection [
5. Well Name: Martin Roumand DEO Number: # Clock/Intermitter										
9. Field Name: 6-100 A 13. Number of Casing Strings:										
10. Minerals:	₩ Fee □	State Fede	ral 🔲 India	n			Two	Three	Liner?	
14,	S	TEP 1: EXISTI								
Record all	Tubing:	Tubing:	Prod. Casing:	Intermedi Cea:	ate	Surface Casing:	15.			
pressures as found		250	240	-		100 <	STEP 2: S	ee instructio	ns above.	
	Fm:	FM:JSOAL	Fm: JS ()	VI			Steam	<u> 14+1</u>	ow	
16.		-	STEP 3: BF	RADENHEA	D TES	iT			_	
Buried valve?	Yes No C	Confirmed open?	Yes No	Elepsed Time (Min:Sec)	ı.	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:	
With gauges m	onitoring producti	ion, intermediate o	asing and	00:	Tubing:	Tubing				
tubing pressure	s, open surface (casing (bradennes only the productio	n casing and							
Landina memberses	w i Decord cress	sures at five minut Bradenhead Flow	e iniervals.	05:						
using letter des	ignations below:			10:		_	_			
O = No Flow;	C = Continuous;	D = Down to 0; Whisper; B = Sur	V = Vapor cos: G =Gas							
	SAMPLE TAKEN?			15:						
Yes	☐ No	Gas	Liquid	20:						
Character of Br	adenhesd fluid:	Clear	Fresh	25:						
Sulfur	☐ Selty [☐ Black							_:	
Other: (de	secribe)			30:						
Sample cylinder	number:									
_			<u></u>		Note ins	tantaneous Brade	enhead PSIG at	end of test:	<u> </u>	
17.		STE	P 4: INTERI	MEDIATE C	ASING	TEST				
	Tyes □ No G	confirmed open?	Yes No	Elepsed Time	Fm:	Fm;	Production	Intermediate Casing PSIG	Intermediate Flow	
		ion casing and tub		(Min:Sec)	Tubing.	Tubing	Casing PSIG	Cataling PS/G	row	
pressures ppe	n the intermediat	e casing valve. R	ecoud							
pressures at fin	e minute interval nau naulos "wol	s. Characterize fi ng letter designation	ow in ons below:	05:						
D = No Flow;	C = Continuous;	D = Down to 0;	V = Vapor	10:			 			
		Whisper; 8 = 8ur	-				ļ			
				15:			1			
INTERMEDIATE Yes	SAMPLE TAKEN?	☐ Gas	Liquid	20:						
	ermediale fluid: [Clear	Fresh	25:						
Sulfur	Salty [Black								
Other: (de	ucribe)			30:						
Sample cylinder	number:			 	L					
				Note in	stantane	ous Intermediate	Casing PSIG a	end of test	>	
18. Comment	B:	-								
				-						
19. STEP 5:	See instruction	s above.								

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.			
Test Performed by:	Title:	Phone:	
	Title: Title: Title a sing for	Date: <u>/ C 70 0 /</u>	
WITNESSED BY:		Agency:	

WITNESSED BY: _____ Title: ____

FOR DECC USE ONLY

Oil and Gas Conservation Comm	nission 100 fex: (303) 894-210				
1120 Lincoln Street, Suite 801, Denver, Coloredo 80203 (303) 894-2100 Fax: (303) 894-2109 BRADENHEAD TEST REPORT				-		
Step 1. Record all tubing and clasing pressures as found. Stere 2. Sample now, if interredicts or surface clasing pressure >26 psl. in sensitive areas, 1 psl.						
Step 3. Conduct Bradenheed test. Step 4. Conduct intermediate casing test.						
submitted or if wellzone configuration has challiged since prior program. At	submitted or if wellbore configuration has changed since prior program. Prison gas and square interpretary				ن د. او	
The state of the s				12. Well Statu		
4. API Number: 13519 5. Multiple com	,	(Yes [No	Gas Lift	Pumping	
7. Location (Circlit, Sec. Tup, Rng. Meridian): SESE	09-	T4N	RUTW	Clock/Inte		
8. County: We d 9. Field Name: GWA				13. Number o	Casing String Three	gs: Liner?
10. Minerals: X Fee State Federal Indian Two Trimes Limer?						
Tubing: Tubing: Prod. Casing: Intermediate Surface			15.			
pressures as	. -		45	STEP 2: 5	ee instructio	ons above.
OTTO S. DE		h TFC				
16. SIEP 3: BP Burled valve? Yes No Confirmed open? Yes No	Elepsed Time	T	Fm:	Production	Intermedule	Bradenhead
their gauges monitoring production intermediate casing and	(Min:Sec) 00:	Tubing	Tubing:	Cesing PSIG	Casing PSIG	Flow:
tubing pressures, open surface casing (bradenness) valve (if	05:			<u> </u>		
tubing pressures.) Record pressures at tive minute intervals. Define characteristics of flow in "Bradenhead Flow" column		ļ			ļ	
using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:					
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Ges BRADENHEAD SAMPLE TAKEN?	15:					
PRADENHEAD SAMPLE TAKEN?	20:			 	 	
Cheracter of Bradenhead fluid: Clear Fresh	25:			 	 -	<u> </u>
Sulfur Selty Black	30			 		
Sample cylinder number:	<u> </u>	L				
	<u></u> .	Note inst	tentaneous Brade	enhead PSIG at	end of test:	>
17. STEP 4: INTERI	MEDIATE C	ASING	TEST			,
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time (Min:Sec)	Fm: Tubing.	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:					
pressures, open the intermediate casing varies. Income pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:			 -		-
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:	 		1		
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:	_		 		
INTERMEDIATE SAMPLE TAKEN?	20:			 		<u> </u>
Character of Intermediate fluid: Clear Fresh	25:			-		
Sulfur Salty Black						
Other: (describe) Sample cylinder number:	30:					
	Note in	stantane	ous Intermediate	Casing PSIG a	t and of test	>
18. Comments:						
19. STEP 5: See instructions above.						
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.						
Test Performed by: Phone:						
Signed: Matthew Miles Title:	5744F	seel;	УСС В	ate:	00 V	<u>5</u>
		,	J			

______ Agency: ___



Dil and Gas Conservation Commission						
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fex: (303) 894-2109 BRADENHEAD TEST REPORT						
Step 1. Record all tubing and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >25 psl. In sensitive sreas, 1 psi Step 3. Conduct Bradenheed test. Step 4. Conduct Intermediate casing test.						
automitted or if wellbore configuration has changed since prof program. At	MBCT DES SEN SQ		# II 241,4-0	11. Date of Te	est: 10 - 3	1.06
OGCC Operator Number; Name of Operator: KM	3. BLM Les	se No: _		12. Well Status: Flowing Shut in		
4. API Number: 18829 5. Multiple completion? Well Name: HSR-SEKKH Furm: Number: 15-8				Gas Lift Pumping Injection Clock/intermitter Plumper Lift		
8 County Ale A 9. Field Name: C7WA 13. Number o				13. Number of	Casing String	
10. Minerals: 21 Fee Starte Federal Indian				Two	Three	Liner?
14. STEP 1: EXISTING PRESSUR Tubing: Tubing: Prod. Casing:	Intermed	iato	Surface	15.		
Record all pressures as found Fm: Fm: TVB C Fm: TVBC	Cag:		Casing:		ee instructio	ns above.
16. STEP 3: BF	RADENHEA	D TES	<u></u>		<u>-</u>	
10.	Elepsed Time	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenheed Flow:
which assumes monitoring production intermediate casing and	(Min:Sec)	Tubing	Tubing:	Casary Ford	Cashing Force	1 1011
tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column.	05:					
using letter designations below:	10:	 		<u> </u>		
D = No Flow; C = Continuous; D = Down to b; V = Vapor H = Water H2O; M = Mud; W = Whisper; B = Surge; G = Gas	15:	<u> </u>				
BRADENHEAD SAMPLE TAKEN?	20:	 		 		
Character of Bradershand fluid: Clear Fresh	25:	ļ	_			
Sulfur Selfy Black	25:			_		
Other: (describe)	30:					
Sample cylinder number:		Note inst	tantaneous Brade	nhead PSIG at	end of test:	>
17 STEP 4: INTERI	MEDIATE C	ASING	TEST			
	Elepsed Time		Fm:	Production	Intermediate	Intermediate
With gauges monitoring production casing and tubing	(Min:Sec)	Tubing	Tubing:	Casing PSiG	Casing PSIG	Flow
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:					
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:	 -		 		
H = Water H2O; M = Mud; W = Whiaper; S = Surge; G =Gas	15:	ļ				
INTERMEDIATE SAMPLE TAKEN?	20:			 		
Character of Intermediate fluid: Clear Fresh	25.	ļ		 		-
Sulfur Salty Black Other: (describe)	30:			ļ <u> </u>		-
Sample cylinder number:						
Note instantaneous intermediate Casing PSIG at end of test: >			>			
18. Comments:						
19. STEP 5: See instructions above.						
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.						
Test Performed by: Title: Phone:						
Signed: Metter fill Title: 574.14 Francy Date: 15 31 06						

Test Performed by:	Title:	Phone:
	Title: STAIR FOUND 7	Date: 15 31 56
WITNESSED BY:	Title:	_Agency:



FOR DECC USE ONLY

State of Colorado 17 **Dil and Gas Conservation Commission** 1120 Lincoln Street, Suite 801, Denver, Coloredo 80203 (303) 894-2100 Fax: (303) 894-2109 **BRADENHEAD TEST REPORT** Step 1. Record at tubing and casing pressures as found.

Step 2. Semple now, if intermediate or surface casing pressure > 25 psi. In sensitive areas, 1 psi.

Step 3. Conduct Stratenhead test.

Step 4. Conduct Intermediate casing test.

Step 4. Conduct Intermediate casing test.

Step 6. Send report to SLM within 30 days and to OGCC within 10 days. Include welltone diagram if not previously submitted or if wellone configuration has changed since prior program. Attach gas and liquid enelyses if a 11. Date of Test: 10 -31-00 1. OGCC Operator Number: 2. Name of Operator: KVV 3. BLM Lease No: 12. Well Status: Flowing Shut in 5. Multiple completion? Yes No 4. API Number: 07740

6. Well Name: Clark Francis Ges Lift Pumping I Injection 6. Well Name: Clark Francis DIIT Number: R
7. Location (CtrCtr, Sec. Twp, Rng. Meridian): SESE SC [4] Clock/Intermitter
Plunger Lift 9. Field Name: (... V 13. Number of Casing Strings: 8. County: Weld ☐ Two ☐ Three ☐ Liner? 10. Minerals: Fee State Federal Indian STEP 1: EXISTING PRESSURES 14. Prod. Casing: intermediate Surface Tubing: Tubing: 80 Record all 160 STEP 2: See instructions above. pressures as 40 found FMIJSND FM: JSUD STEP 3: BRADENHEAD TEST Production Intermediate Bradenheed Casing PSIG Casing PSIG Flow: Buried valve? Yes No Confirmed open? Yes No Elepsed Time Fm. (Man:Sec) Tubina With gauges monitoring production, intermediate casing and no. With gauges monitoring production, triemeduate casing and tubing pressures, open surface casing (bradenhead) valve (if no infermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column 75 using letter designations below: 10: D = No Flow; C = Continuous; D = Down to 6; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas 13 BRADENHEAD SAMPLE TAKEN? 20: Liquid ☐ Yes ☐ No Gas Character of Bradenhead fluid: 🔲 Clear Fresh 25 🔲 Salty 🔲 Black Sultur Other: (describe) 30: Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST **17**. Buried velve? Yes No Confirmed open? Yes No Elepsed Time Fm: Production Intermediate Casing PSIG Casing PSIG Flow Tubing Tubing An-With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in 05 "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor 10: H = Water H2O; M = Mud; W = Whisper; S = Burge; G =Gas 15 INTERMEDIATE SAMPLE TAKEN? 70 Gas Liquid ☐ No ☐ Yes Character of Intermediate fluid:

Clear Fresh 25. Sulfur Saity Black Other: (describe) 30: Sample cylinder number: Note instantaneous Intermediate Casing PSIG at end of test 18. Comments:

19. STEP 5: See instructions above. I hereby certify that the statements ma	=	my knowledge, true, correct, and complete.
Test Performed by:		
Signed: Maller Mislan-P	Title: \$7 ACC.	र्कपुर्वे Date: <u>(वि. क्रेश्वर्व</u>

_Agency: __

_ Title: ___

WITNESSED BY: _

FOR DECC USE DALY State of Colorado 17 Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109 BRADENHEAD TEST REPORT Bitap 1. Record all tubing and dasing pressures as found.

Step 2. Sample now, if intermediate or surface casing pressure >25 pai. in sentitive areas, 1 pai.

Step 3. Conduct Bradenhead lest.

Step 4. Conduct intermediate casing test.

Step 5. Send report to BLM within 30 days and to OUCC within 10 days. include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses it sample submitted or if wellbore configuration has changed since prior program. 11. Date of Test: 12. 4.56 1. OGCC Operator Number: 2. Name of Operator: 100 3. BLM Leans No: 12. Well Status: Trowing Shut in 4. API Number: 1442 5. Multiple completion? Pyes No. Number: 13 23
7. Location (CtrCtr, Sec, Twp, Rng, Meridian): \$55/4 StC 13 T1N R.664 🔲 Gas Lift 🔲 Pumping 🔲 Injection Clock/intermitter Plunger Lift 13. Number of Casing Strings: 9. Field Name: _______ 8. County: Liveld Liner? Two Three State Federal Indian 10. Minerals: 📈 Fee STEP 1: EXISTING PRESSURES 14. Tubing o Intermediate Surface Prod. Casing: Tubing 320 Csa: Record all STEP 2: See instructions above. pressures as 0 FMJ COL FM: JOCOL found STEP 3: BRADENHEAD TEST 16 Bradenhead Buried valve? Yes No Confirmed open? Yes No Elapsed Time Production Intermediate Caung PSIG Caung PSIG Tubing With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. 00: 05 Define characteristics of flow in "Bradenhead Flow" column 10: using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas BRADENHEAD SAMPLE TAKEN? 20: ∏ Gas ☐ No Yes Fresh Character of Bradenhead fluid:

Clear 25 ☐ Salty ☐ Black Sulfur 30: Other: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. Intermediate Intermediate **Production** Elapsed Time Buried valve? Yes No Confirmed open? Yes No Casing PSIG Flow Casing PSIG Tubing Tub**i**ng 00 With gauges monitoring production casing and tubing 2323 pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in 05. "Intermediate Flow" column using letter designations below: 6565 10: D = No Flow; C = Continuous; D = Down to 0; V = Vapor 6565 H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas INTERMEDIATE SAMPLE TAKEN? 20 Gas ☐ No Yes Fresh Character of Intermediate fluid: Clear Salty Black Suffer 30 Diher: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSIG at end of test: Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Test Performed by:

Title: STAFF fizziogi Ti Date: 10 1 2 . C F Signed: Mitthe

__ Agency: ___

___ Title: ____ WITNESSED BY:

A 2000
3 -2-
TX OILM
V GAS

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[17]		State of Lo		iccion					
Nov 8/99	UII and tra	AS CONSERVA Denver, Colorado 802	(1011 GOTTUT 03 (303) 894-21	11551011 00 Fax: (303)	894-21		ļ		
1120 Lincoln St	BRA	DENHEAD	TEST RE	PORT			-		
Step 1. Record all tube		sa baund)		
Step 2, Sample now, If Step 3, Conduct Brade	intermediate of \$1 Inhead lest	NUSCE CITELLIS DIRECTOR							
Step 4. Conduct intern Step 5. Send report to	necests ceang and BLM within 30 day wellbore configura	rs and to OGCC within their changed since	10 days. Include w prior program. At	ellbore diagriim ach gas end liqi	if not pre- ad enalys	violally les it sampled	JL		
							11. Date of Te	st: //-/	υĹ
OGCC Operato Neme of Opera	unc Potro	- Canada		3. BLM Lea			12. Well Status	L: Flowing	Shut in
4. API Number:	10784		5 Multiple comp		Yes	No	Gas Lift	Pumping	
6. Well Name:	11.00	ASSOC g. Meridian): SE	再」Numbe NE Aへ	-LI\A/	()	<u> </u>	Clock/Inter		
7. Location (CitrO) B. County: V	tr, Sec, IWP, Kili 2.\c\	9. Fit	old Name:	U P			13. Number of	Casing String	
	Fee 🔲	State Fede					Two	Three	Linet?
14.	<u> </u>	TEP 1: EXISTIN		Intermed	inte	Surface	1		
Record all	ibing:	Tubing:	Prod. Casing:	Cag:	410	Casing:	15.		ne shove
found fo		Fm: 20-10	Fmil 12. C	ات		Q	SIEP Z: S	ee instructio	III anove.
Fn	ii.	755					<u> </u>		
16.			STEP 3: BR			Fm:	Production	Intermed-ste	Bradenhead
Buried valve? 🔲	_	Confirmed open?		Elapsed Time (Min:Sec)	Fm: Tubing:	Tubing:		Casing PSIG	Flow:
With gauges monitubing pressures,				00:					
no intermediate ca	ssing, monitor	only the production	a intervals.	05:			 		
Define characteris using letter design	tics of flow In	Bradenhead Flow	r" column	10:	ļ			<u> </u>	
D = No Flow: C	= Continuous;	D = Down to 0;	V = Vapor	TU.					<u></u>
H = Water H2O; R		Whisper; S≔Sur	ge; G=Gas	15:					
BRADENHEAD SAI	MPLE TAKEN?	∏ Gas	☐ Liquid	20:		_			<u> </u>
Character of Brade			Fresh						ļ +
Sulfur	☐ Setty	Black		25:					
Other: (descr	ibe)			30:					
Sample cylinder nui	mber:				<u></u> _				
					Note int	tentaneous Brad	enneso PSIG SI	end or test.	<u> </u>
17.		STE	P 4: INTER	MEDIATE C	ASING	TEST		 	T
Buried valve?	Yes No C	Confirmed open?	Yes No	Elapsed Time (Man:Sec)	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
With nauges mon	itaring product	ion casing and tul	ping	00:	Tubing.	Tubing:		-	
pressures, open to	he intermediat	a casung valve. K	ecora	05:			<u> </u>	<u></u>	2323
*Intermediate Fior	M, colnwu nait Wiunte iutetasi	ng letter designation	ons below:	l va:		İ			6565
Q = No Flow; C	= Continuous;	D = Down to 0;	V = Vapor	10:					6565
H = Water H2O; R	# = Mud; W =	Whisper; 8 = Sur	ge; G=Gas	15:	 -		 	 	1
INTERMEDIATE SA	MPLE TAKEN?						<u> </u>		
Yes [No	Gas_	Liquid	20:					
Character of Inter		∐ Clear ∐ ☐ Black	Fresh	25:	 				
Sulfur Other: (descri				30:	 			 	
Sample cylinder nu			<u> </u>	·			<u></u>		
32.1,1.0 0,				Note it	stantan	eous Intermediat	e Casing PSIG s	t and of test:	>
18. Comments:									
18. Comments:_									
19. STEP 5: Se	e instruction	s above							
I hereby certify			his form are.	to the best	of my	knowledge, tr	rue, correct, a	ind comple	te.
Test Performed t	ov.		Title:				Phone:		
	M. – A.	(1)	Title:	5.44	- (4) 6	7	Date:	· Ct	

Signed: Man Will WITNESSED BY: ______ Title: _____ ____ Agency: ___

FORM

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4. API Number: S S S Multiple completion? Yes Number: Ges Lift Pumping Injection (OtrCtr, Sec, Twp, Ring, Meridian): S Yes Number: S Yes Clock/Intermitter Plunger Lift Plunger Lift S Fee State Federal Indian I	BRADENHEAD TEST REPORT Ig and caung pressures as found. Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface areas, 1 psi Intermediate or surface	BRADENHEAD TEST REPORT Braden Record all tubing and coung pressure as tound. Step 1. Record all tubing and coung pressure sa tound. Step 2. Semple now, if intermediate or surface caung pressure >25 psi. In sensitive areas, 1 psi. Step 3. Conduct Intermediate caung test. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram it not previously. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram it not previously. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram it not previously. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days	17		_					' 		
BRADENHEAD TEST REPORT	BRADENHEAD TEST REPORT Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures are found. 11. Date of Test: 2, 1 12. Well Status: Flowing Shut In Gas Lift Pumping Injection Goscy.Intermetter Piunger Lift Piunger Lift 13. Number of Casing Strings: Two Three Liner? Tree State Federal Indian Two Three Liner? The casing Strings: Tubing: Prod. Casing: Intermediate Casing: STEP 2: See instructions above.	BRADENHEAD TEST REPORT Step 1. Record all tubing and ceang pressure as found.		Oil and Ga	as Conserva	TION COMM	NSSIDN	004.71				
Step 1. Record all tubing and casing pressures as found.	Intermediate or surface casing pressures >26 psi. In sensitive areas, 1 psi. Intermediate or surface casing pressure >26 psi. In sensitive areas, 1 psi. Intermediate or surface casing pressure >26 psi. In sensitive areas, 1 psi. Intermediate or surface casing pressure >26 psi. In sensitive areas, 1 psi. Intermediate or surface casing pressure >26 psi. In sensitive areas, 1 psi. Intermediate Int	Step 1. Record all tubing and craining pressures as found. Step 2. Semple now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi. Step 3. Conduct Bardennead lest. Step 4. Conduct Intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 7. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 8. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 8. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days. Step 9. Send report to BLM within 30 days and to OGCC within 10 days and to OGCC withi	1120 Lincole	n Street, Suite 801, I	Denver, Coloredo SUZ	TEST RE	PORT			-		
Step 2: Semple now, if intermediate or surface clasing pressure 2s ps. intermediate country intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate casking test. Step 4: Conduct Intermediate Casking State. Step 4: Step 5: Step 6:	Intermediate or surface calling pressure 20 ps. In Inhead less. BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously seek assignment on the changed since prior program. Attach gas and liquid enelyses if sampled. Intermediate or surface calling pressure 20 ps. Include wellbore diagram if not previously seek in sampled. Intermediate or surface calling pressure 20 ps. Include wellbore diagram if not previously sampled. Intermediate or surface calling pressure 20 ps. Include wellbore diagram if not previously sampled. Intermediate or surface calling pressure. Intermediate or surfac	Step 2. Semple now. if intermediate or surface Casing pressure 20 pt.	Esent Bernett al		an found					۱۱		
Step 8. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously.	State Federal Indian STEP 1: EXISTING PRESSURES Intermediate SteP 2: See instructions above. StEP 3:	Step 8. Send report to Bulk within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed alnoe prior program. Attach gas and liquid analyses if sampled. 1. OGCC Operator Number: 1. Date of Test:	Step Z. Sample no Rhan 3. Conduct B	pw, if intermediate of al Iradechesid lesi.	nusce certial busiens	>25 pai. In sensitivi	e ereas, 1 pei					
1. Date of Test: 2, 1 . 2 1. Date of Test: 2, 1 . 2	Number:	1. OGCC Operator Number: 2. Name of Operator: \begin{align*} \beg	Step 4. Conduct In	nermediate casing test		10 days Include w	elloore diagram	if not pre	viously			
2. Name of Operator	State Federal Indian Step 1: EXISTING PRESSURES State Prod. Casing: Tubing: Prod. Casing: Prod. Casing: Cag: Step 2: See instructions above. Step 3:	2. Name of Operator: Noble 3. BLM Lease No: 12. Well Status: Flowing Shut In 4. API Number: \$6.5 5. Multiple completion? Yes No	betameus	or if wellbore comfigure	ation has changed since	pnor program Pus	SOT GAS ALTO WA			/ L	/2.11	21.
4. API Number:	5. Multiple completion? Yes Who Gas Lift Pumping Injection Clock/Intermitter Tr. Sec. Twp, Rng. Meridian): 5E/4 SLC IQ TUV 268 Plunger Lift 9. Field Name: 6W Ab 13. Number of Casing Strings: Two Three Liner? STEP 1: EXISTING PRESSURES Ding: Prod. Casing: Intermediate Casing: STEP 2: See instructions above.	4. API Number: \$5 \$ 5. Multiple completion? \$\ \text{Ves } V	1. OGCC Oper	retor Number:			. DiMian	a No				
6. Well Name:	Clock/Intermitter Clock/Intermitter Clock/Intermitter Plunger Lift Plun	6. Well Name: He d Number: State State Federal Indian Number: State State Federal Indian Number: Numbe	2. Name of O	perator: (CD)/	c	5 Multiple comi		. 7	ZI Na			
7. Location (CitrOtr, Sec, Twp, Rng. Meridian): 8. County: Location (CitrOtr, Sec, Twp, Rng. Meridian): 9. Field Name: 6 Location 13. Number of Casing Strings: 10. Minerals: 27 Fee State Federal Indian Two Three Line 14. STEP 1: EXISTING PRESSURES Record all pressures as found Fm: SND Fm: SND Fm: SND STEP 2: See instructions about 16.	r, Sec, Twp, Rng. Meridian): 36/4 SV4 SV2 Id-Tut-D&W Plunger Lift 9. Field Name: 6W Ab 13. Number of Casing Strings: Two Three Liner? STEP 1: EXISTING PRESSURES bing: Prod. Casing: Intermediate Cag: Casing: STEP 2: See instructions above.	7. Location (OtrOtr, Sec, Twp, Rng, Meridian): 36 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4	6 Well Name:	Held		Numbe	17	14	8	☐ Clock/Inter		
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16. STEP 3: BRADENHEAD TEST	FMJSND FMJSND	found Fm: FmSAD FmJSAD					-			STEP 2: S	ee instructio	ns above.
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OTER 4. INTERMEDIATE CARING TEST	ppen surface casing (pradenness) valve (if single monitor only the production casing and Record pressures at five minute intervals. lics of flow in "Bradenhead Flow" column attorns below: **Continuous; D = Down to 0; V = Vapor = Mud; W = Whisper; S = Surge; G = Gas **IPLE TAKEN?** No	Buried valve? Yes No Confirmed open? Yes No Elapsed Time Fm: Fm: Production Intermediate Bradenhead With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas 15:	Sulfur Other: (di	Salty	☐ Black		30:			lenhead PSIG at	end of test:	>
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17. STEP 4: INTERMEDIATE CASING TEST Buried valve?	ppen surface casing (bradennead) varie in sing, monitor only the production casing and Record pressures at five minute intervals. Itses of flow in "Bradenhead Flow" column ations below: 'Continuous; D = Down to 0; V = Vapor Mud; W = Whisper; S = Surge; G = Gas 15: Step 4: Intermediate Casing and tubing Mud; W = Whisper; S = Surge; G = Gas 15: Step 4: Intermediate casing and tubing Mud; W = Whisper; S = Surge; G = Gas 15: Step 4: Intermediate casing valve. Record intermediate casing valve. Re	Bured valve? Yes	Suffur Other: (de Sample cylinder 17. Buried valve? With gauges in pressures, ope pressures at fin "Intermediate if O = No Flow; H = Water H2O; INTERMEDIATE Yes Character of In Suffur	Salty escribe) number: Yes No Cononitoring product the intermediate fluid: C = Continuous; M = Mud; W = SAMPLE TAKEN? No termediate fluid: Salty	STE Confirmed open? tion casing and tut te casing valve. R ls. Characterize fing letter designation D = Down to 0; Whisper; S = Sur	P 4: INTERM Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	30: REDIATE C Elepsed Time (Min: Sec) 00: 15: 20: 25:	ASING	G TEST	Production	Intermediate	2323 6565
17. STEP 4: INTERMEDIATE CASING TEST Buried valve? Yes No Confirmed open? Yes No Confirmed open. Yes No Confirmed	ppen surface casing (bradennead) valve (in sing, monitor only the production casing and Record pressures at five minute intervals. to in "Bradennead Flow" column ations below: Continuous; D = Down to 0; V = Vapor Minute intervals. No	BRADENIES No Confirmed open? Yes No Confirmed open? Yes No Canfirmed open? Yes No With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if on intermediate casing, nonitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in 'Bradenhead' Policy 'Column using letter designations below: 0 = No Flow; C = Contlinuous; D = Down to 0; V = Vapor Yes No Gas Liquid Zec. Ze	Sulfur Other: (de Sample cylinder 17. Buried valve? With gauges in pressures, ope pressures at fin "Intermediate for a No Flow; H = Water H2O; INTERMEDIATE Yes Character of In Sulfur Other: (de	Salty escribe) number: Yes No Cononitoring products the intermediate fluid: C = Continuous; M = Mud; W = SAMPLE TAKEN? No termediate fluid: Salty secribe)	STE Confirmed open? tion casing and tut te casing valve. R ls. Characterize fing letter designation D = Down to 0; Whisper; S = Sur	P 4: INTERM Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	30: REDIATE C Elepsed Time (Min: Sec) 00: 15: 20: 25:	ASING	G TEST	Production	Intermediate	2323 6565
17. STEP 4: INTERMEDIATE CASING TEST Buried valve? Yes No Confirmed open? Yes No Elapsed Time Fm: Fm: Fm: Production Casing PSIG Casing P	ppen surface casing (bradennead) valve if sing, monitor only the production casing and Record pressures at five minute intervals. Intermediate casing and minute intervals. Intermediate casing and fuld: STEP 4: INTERMEDIATE CASING TEST	Sund valve? Yes	Sulfur Other: (de Sample cylinder 17. Buried valve? With gauges in pressures at fin Intermediate f 0 = No Flow; H = Water H2O; INTERMEDIATE Yes Character of In Sulfur Other: (de	Salty escribe) number: Yes No Cononitoring products the intermediate fluid: C = Continuous; M = Mud; W = SAMPLE TAKEN? No termediate fluid: Salty secribe)	STE Confirmed open? tion casing and tut te casing valve. R ls. Characterize fing letter designation D = Down to 0; Whisper; S = Sur	P 4: INTERM Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	30: REDIATE C Elapsed Time (Min Sec) 00: 15: 10: 20: 25: 30:	Fm:Tuberg.	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	Flow: 2223 6565 6565
17. STEP 4: INTERMEDIATE CASING TEST Buried valve? Yes No Confirmed open? Yes No Confirmed open. Yes No Confirmed	ppen surface casing (brademead) valve (in sign), monitor only the production casing and Record pressures at five minute intervals. Intermediate casing and fuld: Clear Fresh Safty Black Sob. Step Ste	Sund valve? Yes	Sulfur Other: (de Sample cylinder 17. Buried valve? With gauges in pressures, ope pressures at fin "Intermediate for a No Flow; H = Water H2O; INTERMEDIATE Yes Character of In Sulfur Other: (de	Salty escribe) number: Yes No Cononitoring products the intermediate fluid: C = Continuous; M = Mud; W = SAMPLE TAKEN? No termediate fluid: Salty secribe)	STE Confirmed open? tion casing and tut te casing valve. R ls. Characterize fing letter designation D = Down to 0; Whisper; S = Sur	P 4: INTERM Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	30: REDIATE C Elapsed Time (Min Sec) 00: 15: 10: 20: 25: 30:	Fm:Tuberg.	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	Flow: 2323 6565 6565
17. STEP 4: INTERMEDIATE CASING TEST Buried valve? Yes No Confirmed open? Yes No Confirmed open. Yes No Confirmed	ppen surface casing (brademead) valve (in sign), monitor only the production casing and Record pressures at five minute intervals. Intermediate casing and fuld: Clear Fresh Safty Black Sob. Step Ste	Sund valve? Yes	Sulfur Other: (de Sample cylinder 17. Buried valve? With gauges in pressures, ope pressures at fin "Intermediate in the sulfur Yes Character of In Sulfur Other: (de Sample cylinder	Salty escribe) number: Yes No Cononitoring product the intermediate reconstruction of the interval of the int	STE Confirmed open? tion casing and tut te casing valve. R ls. Characterize fing letter designation D = Down to 0; Whisper; S = Sur	P 4: INTERM Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	30: REDIATE C Elapsed Time (Min Sec) 00: 15: 10: 20: 25: 30:	Fm:Tuberg.	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	Flow: 2323 6565 6565
STEP 4: INTERMEDIATE CASING TEST Buried valve? Yes No Confirmed open? Yes No Respect Time Fm. Fm. Fm. Tubing Tubing Casing PSIG Casing PSIG Intermediate casing valve. Record pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whitsper; S = Surge; G = Clas 15:	ppen surface casing (brademead) valve (in sign), monitor only the production casing and Record pressures at five minute intervals. Intermediate casing and fuld: Clear Fresh Safty Black Sob. Step Ste	Buned valve? Yes No Confirmed open? Yes No Mind Surges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (for intermediate casing, monitor only the production casing and tubing pressures). Record pressures at five minute intervals. Define characteristics of flow in 'Bradenhead Flow' Column using letter designations below: No Flow; C = Confirmous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whitsper; S = Surge; G = Gase BRADENHEAD SAMPLE TAKEN? Yes No Gas Liquid Character of Bradenhead fluid: Clear Fresh Sulfur Salty Black Silting Salty Black Silting Salty	Sulfur Other: (de Sample cylinder 17. Buried valve? With gauges in pressures, ope pressures at fin "Intermediate in the sulfur Hard Yes Character of In Sulfur Other: (de Sample cylinder	Salty escribe) number: Yes No Cononitoring product the intermediate reconstruction of the interval of the int	STE Confirmed open? tion casing and tut te casing valve. R ls. Characterize fing letter designation D = Down to 0; Whisper; S = Sur	P 4: INTERM Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	30: REDIATE C Elapsed Time (Min Sec) 00: 15: 10: 20: 25: 30:	Fm:Tuberg.	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	Flow: 2323 6565 6565
STEP 4: INTERMEDIATE CASING TEST Buried valve? Yes No Confirmed open? Yes No Respect Time Fm. Fm. Fm. Tubing Tubing Casing PSIG Casing PSIG Intermediate casing valve. Record pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whitsper; S = Surge; G = Clas 15:	ppen surface casing (brademead) valve (in sign), monitor only the production casing and Record pressures at five minute intervals. Intermediate casing and fuld: Clear Fresh Safty Black Sob. Step Ste	Buned valve? Yes No Confirmed open? Yes No Mind Surges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (for intermediate casing, monitor only the production casing and tubing pressures). Record pressures at five minute intervals. Define characteristics of flow in 'Bradenhead Flow' Column using letter designations below: No Flow; C = Confirmous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whitsper; S = Surge; G = Gase BRADENHEAD SAMPLE TAKEN? Yes No Gas Liquid Character of Bradenhead fluid: Clear Fresh Sulfur Salty Black Silting Salty Black Silting Salty	Sulfur Other: (de Sample cylinder 17. Buried valve? With gauges in pressures, ope pressures at fin "Intermediate in the sulfur Hard Yes Character of In Sulfur Other: (de Sample cylinder	Salty escribe) number: Yes No Cononitoring product the intermediate reconstruction of the interval of the int	STE Confirmed open? tion casing and tut te casing valve. R ls. Characterize fing letter designation D = Down to 0; Whisper; S = Sur	P 4: INTERM Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	30: REDIATE C Elapsed Time (Min Sec) 00: 15: 10: 20: 25: 30:	Fm:Tuberg.	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	Flow: 2323 6565 6565
STEP 4: INTERMEDIATE CASING TEST Buned valve? Yes No Confirmed open? Yes No Coasing PSIG Intermediate Casing PSIG Casin	ppen surface casing (pradecriced valve of talling, monitor only the production casing and Record pressures at five minute intervals, so of how in "Braderhead Flow" column aliona below: Continuous: D = Down to 0; V = Vapor = Mud; W = Whisper; S = Surge; G = Gas 15: No	Buried valve? Yes No Confirmed open? Yes No Myth gauges monitoring production, intermediate casing and tubing pressures, open surface casing (praderhead) valve (in online mediate casing, monitoring production, intermediate casing and tubing pressures, open surface casing (praderhead) valve (in online mediate casing, monitoring production casing and tubing pressures.) Record pressures at five minimal fluor column using letter designations below. Delow Column using letter designations below. O = No Flow, C = Continuous; D = Down to 0; V = Vapor H = Wister HZO; M = Mult; W = Whisper; S = Surge; G = Gas BRADENHEAD SAMPLE TAKEN? Sulfur Salty Black Silty Salty Sa	Sulfur Dither: (de Sample cylinder 17. Buried valve? With gauges in pressures, ope pressures at fir "Intermediate if O = No Flow; H = Water H2O; INTERMEDIATE Yes Character of in Dither: (de Sample cylinder 18. Comment	Salty escribe) number: Yes No Concentration product on the intermediate fluid: C = Continuous; M = Mud; W = SAMPLE TAKEN? No termediate fluid: Salty escribe) number:	STE Confirmed open? tion casing and tut te casing valve. R s. Characterize fing letter designation D = Down to 0; Whisper; S = Sur Gas Gas Black	P 4: INTERM Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	30: REDIATE C Elapsed Time (Min Sec) 00: 15: 10: 20: 25: 30:	Fm:Tuberg.	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	Flow: 2323 6565 6565
Buried valve?	pen surface casing (pradenteed valve of tang, monitor only the production casing and Record pressures at five minute intervals. continuous; D = Down to 0; V = Vapor Monitor	Burned valve? Yes	Suffur Other: (de Sample cylinder 17. Buried valve? With gauges m pressures at fm "Intermediate for the suffur yes. Character of in Other: (de Sample cylinder 18. Comment	Salty escribe) number: Yes No Concentration products the intermediate fluid: C = Continuous; M = Mud; W = SAMPLE TAKEN? No termediate fluid: C = Salty escribe) number:	STE Confirmed open? [tion casing and tut te casing valve. R Is. Characterize fing letter designation D = Down to 0; Whisper; S = Sur Gas Gas Gas Black	P 4: INTERM Yes No Dring ecord ow in ons below: V = Vapor rge; G = Gas Liquid Fresh	30: REDIATE C Elepsed Time (Min: Sec) 00: 15: 10: 20: 25: 30: Note in	Fm:Tuberg.	Fm:Tubing:	Production Casing PSIG	Intermediate Cassing PSIG	2323 6585 6585
17. STEP 4: INTERMEDIATE CASING TEST Buried valve?	pen surface casing (prademies) varie (in sign, monitor only the production casing and Record pressures at five minute intervals. It is constituted by the continuous; D = Down to 0; V = Vapor = Mud; W = Whisper; S = Surge; G = Ges Mole	Burned valve?	Suffur Other: (de Sample cylinder 17. Buried valve? With gauges m pressures at fm "Intermediate for the suffur yes Character of in Other: (de Sample cylinder 18. Comment	Salty escribe) number: Yes No Concentration products the intermediate fluid: C = Continuous; M = Mud; W = SAMPLE TAKEN? No termediate fluid: C = Salty escribe) number:	STE Confirmed open? [tion casing and tut te casing valve. R Is. Characterize fing letter designation D = Down to 0; Whisper; S = Sur Gas Gas Gas Black	P 4: INTERN Yes No bing ecord ow in ons below: V = Vapor rge: G = Gas Liquid Fresh	30: REDIATE C Elapsed Time (Min Sec) 00: 15: 10: 20: 25: 30: Note in	ASING Fm: Tuberg	Fm:Tubing:	e Casing PSIG a	Intermediate Casing PSIG	Flow 2223 6565 6565
17. STEP 4: INTERMEDIATE CASING TEST Buned valve?	pen surface casing (prademies) valve (if all and production casing and Record pressures at five minute intervals. Its of flow in 'Flarademiest' Flow' column ations below: Solid	Burned valve? Yes No Confirmed open? Yes No Reposed Time Firm Firm Production Intermediate casing and tubring pressures, open surface casing production casing and tubring pressures, open surface casing foredwiction casing and tubring pressures, open surface casing foredwiction casing and tubring pressures, open surface casing foredwiction casing and tubring characteristics Record pressures at five multic intervals. Record pressures in the white intervals. Record pressures at five multic intervals. Record pressures at five multi	Suffur Other: (de Sample cylinder 17. Buried valve? With gauges in pressures, ope pressures at fin "Intermediate if O = No Flow; H = Water H2O; INTERMEDIATE Yes Character of in Other: (de Sample cylinder 18. Comment	Salty escribe) number: Yes No Cononitoring product the intermediative minute interval Flow" column usin C = Continuous; M = Mud; W = SaMPLE TAKEN? No termediate fluid: Salty number: See instruction fy that the state ad by:	STE Confirmed open? [tion casing and tut te casing valve. R Is. Characterize fing letter designation D = Down to 0; Whisper; S = Sur Gas Clear Black Is above. Is above.	P 4: INTERM Yes No Ding ecord ow in ons below: V = Vapor rge; G = Gas Liquid Fresh this form are, the state of the s	30: IEDIATE C Elepsed Time (Min Sec) 00: 05: 10: 20: 25: 30: Note in	ASING Fm: Tuberg	Fm:	e Casing PSIG a	Intermediate Casing PSIG	Flow 2223 6565 6565
				Fm:	tmos M.D	rm US N	<u> </u>			<u>.</u>		
16. STEP 3: BRADENHEAD TEST	· · · · · · · · · · · · · · · · · · ·	Fin		F			. -		Ö	STEP 2: S	ee instructio	ns above.
found Fm: FmSAD FmSSAD O STEP 3: BRADENHEAD TEST	A 10121 21 000 1101	DIESSU 05 80		i troing:			Csg:		Casing:		aa iaabuuto	nr above
Record all pressures as found Fm: FmSAD FmSSD Cag: Casing: STEP 2: See instructions about 16.	280 425 Csg: Casing: STEP 2: See instructions above.	Record all pressures as 250 425 Cag: Casing: STEP 2: See instructions above.	14.			T .		ale .	Surface	-		
Record all pressures as found Fm: Tubing: Prod. Casing: Intermediate Casing: Casing: STEP 2: See instructions about 15. STEP 3: BRADENHEAD TEST	bing: Tubing: Prod. Casing: Intermediate Cag: Surface Casing: STEP 2: See instructions above.	Record all pressures as Tubing: Tubing: Prod. Casing: Intermediate Casing: Casing: STEP 2: See instructions above.	10. Minerals:						<u> </u>	I IWO [Inree	Linear 7
10. Minerals:	State Federal Indian STEP 1: EXISTING PRESSURES Ding: Prod. Casing: Intermediate Cag: STEP 2: See instructions above.	10. Minerals:			9. Fis	eld Name:	NA			13. Number of	Casing String	
8. County: Lock 9. Feet Name: 6 W Ab 10. Minnerals: 22 Fee State Federal Indian 14. STEP 1: EXISTING PRESSURES Record all pressures as found Fm: Fm: Fm: SND Fm: SND Fm: STEP 2: See instructions about 16. STEP 3: BRADENHEAD TEST	9. Field Name: 6 A B 13. Number of Casing Strings: 13. Number of Casing Strings: Two Three Liner? STEP 1: EXISTING PRESSURES Ding: Prod. Casing: Intermediate Casing: STEP 2: See instructions above.	8. County: Let 9. Feel Name: & Ab 10. Minerals: B Fee State Federal Indian 14. STEP 1: EXISTING PRESSURES Record all pressures as Prod. Casing: Linemediate Cag: STEP 2: See instructions above.	6 Well Name:	Held	- 45		12-	12-	13 N & KRW	-		
6. Well Name: Held Number State Picker State Federal Indian Number State Picker State Federal Indian Number State State Federal Indian Number of Casing Strings: Two Three Line Two	Clock/Intermitter Clock/Intermitter Clock/Intermitter Plunger Lift Sec. Twp, Rng. Meridian): 3E	6. Well Name: Held Number: State Section (Otrotr, Sec, Twp, Rng. Meridian): SE 4 Section (Otrotr, Sec, Twp, Rng. Meridian): SE 4 Section (Otrotr, Sec, Twp, Rng. Meridian): Section (Otrotr, Sec, Twp, Rng. Meridian): Section	4. API Number	18 (5)		5. Multiple comp	nietion?	Yes I	ZINA			
4. API Number: 5. Multiple completion? Yes No. Gas Lift Pumping Injective Clock/Intermitter 6. Well Name: 7. Location (OtrOtr, Sec, Twp, Riig. Meridian): 5. Multiple completion? Yes No. Glock/Intermitter 7. Location (OtrOtr, Sec, Twp, Riig. Meridian): 5. / 4. / 4. / 4. / 4. / 4. / 4. / 4. /	5. Multiple completion? Yes 2 No. Gas Lift Pumping Injection Clock/Intermitter Plumper Lift Sec. Clock/Intermitter Plumper Lift Sec. Clock/Intermitter Plumper Lift State Federal Indian Two Three Liner? STEP 1: EXISTING PRESSURES Intermediate Surface Casing: STEP 2: See instructions above.	4. API Number: \$\frac{1}{2} \frac{1}{2} \f	1. OGCC Oper	nator Number:	15.		3. BLM Lea	se No:				
2. Name of Operator:	State Federal Indian STEP 1: EXISTING PRESSURES Its State Prod. Casing: Its Casing: Its State State Prod. Casing: Its Casing: Its Casing: Its Casing: Its Casing: Its Casing: Its Casing: Its Casing: Its Casing: Its Casing: Its Casing: Its	2. Name of Operator: Vob/6. 4. API Number: \$\frac{15}{2}\$ 5. Multiple completion? \$\Boxed{Ves}\$ Ves \$\Boxed{Nn}\$ 12. Well Status: \$\Boxed{Ptowing}\$ Shut In \$\Boxed{Number: }\Boxed{Ves}\$ 5. Multiple completion? \$\Boxed{Ves}\$ Ves \$\Boxed{Nn}\$ \$\Boxed{Nn}\$ \$\Boxed{Ges}\$ Lift \$\Boxed{Ptoming}\$ Pumping \$\Boxed{Injection}\$ 12. Well Status: \$\Boxed{Ptoming}\$ Shut In \$\Boxed{Ges}\$ Lift \$\Boxed{Ptoming}\$ Pumping \$\Boxed{Injection}\$ 12. Well Status: \$\Boxed{Ptoming}\$ Shut In \$\Boxed{Ges}\$ Lift \$\Boxed{Ptoming}\$ Pumping \$\Boxed{Injection}\$ 13. Number of Casing Strings: \$\Boxed{Injection}\$ 13. Number of Casing Strings: \$\Boxed{Injection}\$ 14. STEP 1: EXISTING PRESSURES Tubing: Tubing: Tubing: Prod. Casing: Intermediate Casing: STEP 2: See instructions above.			BOT THE CHANGE OF THE					11 Date of Te	st /2.11	1.26
11. Date of Test: 2, 1	Number:	1. OGCC Operator Number: 2. Name of Operator: Noble: 3. BLM Lease No: 12. Well Status: Flowing Shut In	Step 3. Conduct B Step 4. Conduct in	radenhesd lest. Nemedista casing test	t	strana bridaw	mmouth enoding	erq jon ti svlene be	viously was if sampled			
Basp 3: Conduct Bradenneed test. Basp 4: Conduct Intermediate casing test. Step 5: Send report to BLM within 30 days and to OGCC within 10 days include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach ges and liqued analyses if sampled. 1. OGCC Operator Number: 2. Name of Operator: 4. API Number: 5. Multiple completion? 7. Location (CtrOtr, Sec, Twp, Rng, Meridian): 8. County: 6. Well Name: 7. Location (CtrOtr, Sec, Twp, Rng, Meridian): 9. Field Name: 10. Minerals: 11. Date of Test: 12. Well Status: 12. Well Status: 13. Flowing 14. Indian 15. Plumper: 16. STEP 1: EXISTING PRESSURES 16. STEP 2: See instructions about 16. 16. STEP 3: BRADENHEAD TEST	The complete comple	Step 1. Conduct Bis-mediate casing test.	Step 1. Record at Step 2. Sample no	tubing and casing pre- w, if intermediate or a	ssums as found. urface caung pressure	>25 pai. In sensitiv	areas, 1 pai					
Step 2. Semple now. if intermediate or surface claims pressure 26 ps. III	Intermediate or surface calling pressure 20 ps. In Inhaed less. BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously seek to be surface calling test. BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously seek to be surface calling test. In Date of Test: 2 1 -2 -2 -2 -2 -2 -2	Step 1. Sample now. If intermediate or surface calling pressure 25 pt.				TEST RE	PORT					
Step 1. Record all Jubing and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi. Step 3. Conduct Remember last, as a part of the submitted or if well-bore configuration has changed since prior program. Attach gas and liquid snalyaes if sampled	Intermediate or surface casing pressures >26 psi. In sensitive areas, 1 psi. Intermediate or surface casing pressure >26 psi. In sensitive areas, 1 psi. Intermediate or surface casing pressure >26 psi. In sensitive areas, 1 psi. Intermediate or surface casing pressure >26 psi. In sensitive areas, 1 psi. Intermediate or surface casing pressure >26 psi. In sensitive areas, 1 psi. Intermediate Int	Step 1. Record all Lucing and craining pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >25 pai. In sensitive areas, 1 pai. Step 3. Conduct Bradeninead lest. Step 4. Conduct Intermediate casing test. Step 4. Conduct Intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously. Step 7. Multiple completion? Yes	1120 Lincole	n Street, Suite 801, I	Denver, Colorado 802	03 (303) 894-21	00 Fex: (303)	894-21	09 ——	-		
Step 1. Record all Lucing and craining pressures as found. Step 2. Semple now. If intermediate or surface craining pressure >25 psi. In sensitive areas, 1 psi.	BRADENHEAD TEST REPORT Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures >26 psi In sensitive areas, 1 psi Intermediate or surface casing pressures are found. 11. Date of Test: 2, 1 12. Well Status: Flowing Shut In Gas Lift Pumping Injection Goscy.Intermetter Piunger Lift Piunger Lift 13. Number of Casing Strings: Two Three Liner? Tree State Federal Indian Two Three Liner? The casing Strings: Tubing: Prod. Casing: Intermediate Casing: STEP 2: See instructions above.	BRADENHEAD TEST REPORT Step 1. Record all tubing and ceang pressure as found.	Rev 8/99 /	Oil and Ga	as Conserva	tion Comm	IISSION	002 21	N KIETE			
BRADENHEAD TEST REPORT Step 1. Record all lucing and caung pressures as found. Step 2. Sample now. If intermediate or surface caung pressure >25 psi in sensitive areas, 1 psi	BRADENHEAD TEST REPORT Ig and caung pressures as found. Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface caung pressure >26 psi In sensitive areas, 1 psi Intermediate or surface areas, 1 psi Intermediate or surface	BRADENHEAD TEST REPORT Braden Record all tubing and coung pressure as tound. Step 1. Record all tubing and coung pressure sa tound. Step 2. Semple now, if intermediate or surface caung pressure >25 psi. In sensitive areas, 1 psi. Step 3. Conduct Intermediate caung test. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram it not previously. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram it not previously. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram it not previously. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Step 4. Send report to BLM within 30 days and to OGCC within 10 days. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days. Step 6. Send report to BLM within 30 days and to OGCC within 10 days	1 1 /	6.1	0	tion Comm	ingion			' 		

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EDHM State of Colorado 17 Dil and Gas Conservation Commission New 6/99 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109 BRADENHEAD TEST REPORT Step 1. Record all tubing and pasing pressures as found.

Step 2. Sample now, it intermedate or surface casing pressure >26 pal. In sensitive areas, 1 par.

Step 3. Conduct Bradenhead test.

Step 4. Conduct Intermedate casing test.

Step 6. Conduct Intermedate casing test.

Step 5. Sond report to SLM within 30 days and to OBCC within 10 days. Include wellbore diagram it not previously submitted or it weltons configuration has changed since prior program. Attach gas and bload analyses it sampled submitted or it weltons configuration has changed since prior program. 11. Date of Test 12 - 11 - 06 1. OGCC Operator Number: 3. BLM Lease No: 2. Name of Operator: NoblE 12. Well Status: Thowing Shut In 5. Multiple completion? Yes No Ges Lift Dumping Dinjection 4. API Number: 14953 Clock/Intermitter 5. Well Name: SARChet X 7. Location (Otrotte Sec. Twp, Ring, Meridian): UE/U NE/U Scc Plunger Lift 13. Number of Casing Strings: 9. Field Name: Claud B. County Weld Two Three State Federal Indian 10. Minerals: 🔽 Fee STEP 1: EXISTING PRESSURES Intermediate Prod. Casing: Tubing: Casing: Record all 280 300 Cag: STEP 2: See instructions above. pressures as found FMN15-CD Fm: Na-CD STEP 3: BRADENHEAD TEST 16. Intermediate Bradenheed Buried valve? Yes No Confirmed open? Yes No Elapsed Time Fm. (Min. Sec) Fm: Casing PSIG Casing PSIG Flow: Tubing Tubing With gauges monitoring production, intermediate casing and no: yvin gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: 05: 10: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whiteper; S = Surge; G =Gas 15 BRADENHEAD SAMPLE TAKEN? Liquid Gas □ No ☐ Yes Fresh Character of Bradenhead fluid:

Clear 25 Salty Black Sulfur 30: Other: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. intermediate Intermediate No Elapsed Time (Min:Sec) Em: Buried valve? Yes No Confirmed open? Yes Casing PSIG Casino PSIG Flow Tubino OO: With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in 05: "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor 10: 6565 H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? 20 Liquid Gas Gas ☐ No Fresh Character of Intermediate fluid: [Clear 25. ☐ Salty ☐ Black Sulfur 30: Other: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSiG at end of test: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Test Performed by: Title: 56 ff Cost; 57 Date: 12-01-06

______ Title: ____

WITNESSED BY: ..

Agency:

FORM 17 Ray 8/99

State of Colorado Dil and Gas Conservation Commis

Constitute A Co FOR OGCC USE ONLY

Ray 8/99	Oil and Ga	es Conservat Denver, Colorado 8021	tion Comm	USSION Od Fax: (303)	894-210	. C	Nevs			
1120 Lincol	BRA	DENHEAD	TEST RE	PORT		_				
Step 1. Record all										
Step 3. Conduct B Step 4. Conduct in	redenheed 1641. Nemodiste casing tasi			allows discussion	r not pre	enougly				
atep s. Send repo aubmitted	or if wellbore configura	ns and to OECC Within toon has changed since	phor program. All	ach gas and ho	ed energi	M N H	Impled	11. Date of Te	et: // 7 · ·	0 f
1, OGCC Ope	K . P	Kaufman	<u> </u>	3. BLM Leas	Le No: _			12. Well Status		
4. API Numbe	C16 F1 2	J.	5. Multiple com	pietion?	Yes [Ÿ No		Gas Lift)	Pumping	
6. Well Name 7. Location /C	KC:SMU 55 g HrOtr. Sec. Two. Rn	<u>N</u> g, Meridian): <u>≤£ ≤</u>	た つどしっ	19 13 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1				Clock/Inter	1	
8. County: V	<u> </u>	^{9. Fie}	old Name:()	iv A G	(4)	<u>~_</u>		13. Number of	Casing String Three	Liner?
10. Minerals:	∑ Fee ⊥ S	State Feder TEP 1: EXISTIN								. =-
Record all	Tubing:	Tubing:	Prod. Casing:	Intermedi Ceg:	Ato	Surf		15.		
pressures 25	 	スみ Fm:S h s x	Fm:SV:SX	- Jag.			Ĵ	STEP 2: S	ee instructio	ns above.
	Fm:	FM.J FISK		ADENIE	D TES					
16.		Confirmed open?	STEP 3: BR	ADENHEA	Fm:		Fm:	Production	intermed sta	Bradenhead
Buried valve?		ion intermediate o	asing and	(Min Sec)	Tubing		Tubing	Caung PSIG	Casing PSIG	Flow:
tubing pressur	es, open surface	casing (bradenines	n casino and							
tubing pressur	es.) Record pres eristics of flow in	sures at five minut Bradenhead Flow		05:						ļ
using letter de: O = No Flow:	signations below: C = Continuous;	D = Down to 0;	V = Vapor	10:						
H = Water H2O	M = Mud; W =	Whisper; 5 = Sur	ge; G =Gas	15:	_			1		
BRADENHEAD Yes	SAMPLE TAKEN?	Gas	Liquid	20:			, -	+		
	radenhead fluid:	<u> </u>	Fresh	25:				- 		
Sulfur	Salty	Black		30:				- 		-
Sample cylinder	number:				<u> </u>					
					Note in	stente	neous Brad	enhead PSIG st	end of test:	>
17.		STE	P4: INTERI	AEDIATE C	ASIN	G TE	ST			T.
Buried valve?	Yes No	Confirmed open?	Yes No	Elapsed Time (Min:Sec)	Fm: Tubing.	_	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Flow:
With gauges n	nonitoring produc	tion casing and tuble casing valve. R	oing ecord	00:						2373
procesures at fi	ve minute interva	ls. Characterize fi ng letter designation	OW IS	05:						8595
O = No Flow:	C = Continuous;		V = Vapor	10:				-		8585
H = Water H2O		Whisper; \$=Sur	ge; G=Gas	15:					 	8965
INTERMEDIATE	SAMPLE TAKEN			20:		- 				ļ
Character of in	No No	Gas Clear	Liquid Fresh	·						-
Sulfur	Salty	Black		25:						
Other: (de				30:				[
Sample cyfinde	r number:			Note in	nstantan	6003	intermedial	e Casing PSIG a	at end of test:	>
18. Commen										
			<u> </u>	 -						
						_				 .
40.0777	Con instruction	us above								
	See instruction	ments made in t	this form are	to the best	of my	knov	vledae, tr	ue, correct, a	and comple	ete.
Test Perform			Title:					Phone:		
1/4	ntt N		Title	7741	6-1	<u></u> کی کی	. .	Date:	7 · 2 · <u> </u>	
Signed: ///	A.C.							Agency:		
WITNESSED	BY:		ime: _	<u> </u>				.901107		

FOR DGCC USE ONLY

Ray 8/99	Oil and Ga	AS Conservat Denver, Colorado 802	tion Comm	ission IOD Fax: (303)	894-21				
1120 Lincol	n Street, Suite BU1, I	DENHEAD	TEST RE	PORT			-		
Step 2. Sample no Step 3. Conduct B Step 4. Conduct in	tubing and casing pre- by, if intermediate of si tradenhead test. hiermediate casing test	ssures as found. Urface casing pressure	>26 pai. In sensitiv	e areas, 1 ps.	if nat pre	vnousky see H sampled.			
	rator Number:	Iden has changed area			-		11. Date of Te	et: 11.9.	0b
1. DGCC Ope 2. Name of O	perator Meri	T Enciqu		3. BLM Les			12. Well Statu	a: Flowing	Shut in
4 ADI Numbe	- 14191		5. Multiple com Numbe		Yes [No	Ges Lift Ges Lift	Pumping	Injection
Well Name Location (C	Tohn 60 L	g, Meridian):		·			Plunger Life	n	
8. County: 💪	veld	9. FK	eid Name: <u>() (</u> rai				13. Number of	Casing String Three	s: Liner?
10. Minerals:		State Feder TEP 1: EXISTIN							
	Tubing:	Tubing:	Prod. Casing:	Intermed	ate	Surface	15.		
Record all pressures as		545	540	Ceg:		Casing:	STEP 2: S	ee instructio	ns above.
found	Fm:	Fm:	Fm:	<u> </u>			<u></u>		
16.			STEP 3: BR	ADENHEA	DTES	ST			г
Buried valve?	Yes No (Confirmed open?	Yes No	Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
With gauges m	nonitoring product	ion, intermediate d casing (bradenhea	asing and	00:]
no intermediat	e casing, monitor	Only the production	e intervals.	05:					†
i Define charact	eristics of flow in signations below:	Bradenhead Flow	r column	10:	 				
D = No Flow;	C = Continuous;	D = Down to 0;	V = Vapor	10.					
	SAMPLE TAKEN?	Whisper; S = Sur	ge; G=Gas	15:			1		
Yes	□ No	Gas _	Liquid	20:					
Character of B	radenhead fluid:	_	Fresh	25:	-				
Sulfur	☐ Salty	☐ Black		30:	ļ		<u> </u>	<u> </u>	
Sample cylinder				30.					_
					Note in	stantanaous Brac	lenhead PSIG at	end of test:	>
17.		STE	P 4: INTER	MEDIATE C	ASING	S TEST		,	,
Buried valve?	Yes No (Confirmed open?	Yes No	Elepsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
With gauges r	nonitoring product	tion casing and tut	oing	00:					2323
progruppe of fi	avalni ehinim avi	te casing valve. R ls. Characterize fi ng letter designatio	OW ID	05:			 		F.965
	C = Continuous;		V = Vapor	10:	 				_
O = No Flow; H = Water H2O		Whisper; 8 = Sur		15:	ļ				6565
INTERMEDIATI	E SAMPLE TAKEN?	· · · · · · · · · · · · · · · · · · ·			<u> </u>				
Yes	□ No _	Gas	Liquid	20:					
Character of in	termediate fluid:	☐ Clear ☐ ☐ Black	Fresh	25.	†				
Other: (de				30:	-		_		-
Sample cylinde				ļ	<u> </u>		_l		
				Note k	nstantan	eous Intermédia	e Casing PSIG	at end of test:	>
18. Commen	ts:								
						<u>-</u>			
19. STEP 5:	See instruction	is above.							
I hereby cert	ify that the state	ments made in t	his form are,	to the best	of my	knowledge, t	rue, correct, a	and comple	te.
Test Performe			Title:				Phone:		
Signed: NV	`	الله	Title:	टा क्स्	Tech?	277	Date: //_C	1 C A.	
WITNESSED	V	<u> </u>	Title: _			·	Agency:		

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PON DECC USE ONLY

Rev 8/99	Oil and Ga	as Conservat Denver, Colorado 802	tion Comm	NSSION	994.71	na Project	7		
1120 Lincol		DENHEAD					-		
Step 2, Sample no Step 3, Conduct B Step 4, Conduct Ir	tubing and casing prior w, it intermediate or si redenhead lost. htermediate casing test	esures as found. urface casing pressure	>25 psi. In sensitiv	e areas, 1 ptu	if not pre	wiouthy			
Step 5. Send repo submitted	or if wellpore configure	ton has changed since	pror program. At	ech que sund liqu	ad analyi	ses if sampled	11. Date of To	12.11	10/
1. OGCC Ope				3. BLM Leas	sa No:				
4. API Numbe	perator Ustolic or 13157 Sohnson	R C	5. Multiple com	pletion?	Yes		12 Well Statu Gas Lift Clock/Inte	Pumping	=
7. Location (C 8. County: V	atrQtr, Sec, Twp, Rn	g, Meridian): <u>WW</u>	U NE 4	500 19 VA	741	URGIN	Plunger Li)E:
8. County:	 Foo □	State Feder	ral 🔲 India					Three	Liner?
14.		TEP 1: EXISTIN		Intermed	inte	Surface			
Record all	Tubing:	Tubing:	Prod. Casing:	Cag:	-16	Casing:	15.	ee instruction	ns above
pressures #\$ found	Fm:	Fmlus CD	Fm:UG LD	•		U	3127 2. 0	20 1100	
16.	<u> </u>	<u> </u>	STEP 3: BR	ADENHEA	D TES	ST	<u></u>		
	Yes No (Confirmed open?	Yes No	Elapsed Time (Min:Sec)	. –	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bredenheed Flow:
With courses IT	onitorina producti	ion, intermediate o	asing and	00:	Tubing	Tubing	0.2.3.5.5		
no intermediate	es, open surface (e casing, monitor es \ Record presi	casing (bradenhea only the productio sures at five minut Bradenhead Flow	n casing and in intervals.	05:				 - · -	
using letter de	signations below:		V = Vapor	10:					
O = No Flow; H = Water H2O;	C = Continuous; M = Mud; W =	Whisper; S = Sur		15;					
	SAMPLE TAKEN?	☐ Gas	Liquid	20:	<u> </u>			 -	
Character of B	No No radenhead fluid:		Fresh	l	ļ,				
Sulfur	☐ Salty	Black		30:					
Sample cylinder					<u> </u>			<u> </u>	
			_	<u> </u>	Note in	itentaneous B	radenhead PSIG a	t end of test:	>
17.		STE	P4: INTER	MEDIATE C	ASIN				
Buried valve?	Yes No C	Confirmed open?	Yes 🛄 No	(Min:Sec)	Fm: Tubing.	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
With gauges m	nonitoring product	tion casing and tuble casing valve. R	oing ecord	00:					2323
pressures at fr	va minute interval	ls. Characterize fl ng letter designation	ow in	05:					6565
O = No Flow;	C = Continuous;		V = Vapor noe: G =Gas	10:					6565
H = Water H2O;	M = Mud; VV =	Whisper; S≖Sur	ye , u-ozz	15:					
INTERMEDIATE	SAMPLE TAKEN?	☐ Gas	Liquid	20.	 				1
	termediate fluid: [Fresh	25.	 			 	
Sulfur	Salty [Black		40.	<u> </u>				
Sample cylinder				30:					
				Note in	stantan	eous intermed	liate Casing PSIG	at and of test:	>
18. Comment	bs:								
		 							
									
19. STEP 5:	See instruction	s above						•	
		ments made in t	his form are,	to the best	of my	knowledge	true, correct, a	and comple	te.
Test Performe	ed by:		Title				_Phone:		
Signed: 加	The f	111	Title:	7744 - S	est,	3 . 7	Date:	1 2:	
	BY:		Title:				Agency:		

17 Rev 8/99

State of Colorado

Conomino Nota Conomina Nota FOR OGCC USE ONLY

Rav 8/99	יט נווה ווע	as Conserva Denver, Calorado 802	[[D]] GUIIII Ma jana 894,2	NISSIDN 100 Fax: (303	R94-21				
1120 Lincol	BRA	DENHEAD	TEST RE	PORT			_		
Step 2. Sample no Step 3. Conduct 5 Step 4. Conduct li	tubing and casing pre bw, if intermediate or a bradenhead feel. Intermediate casing has	saures as found. urface casing pressure	>25 pai. In sensitr	e areas, 1 ptu	f nol pre	viously			
submitted	or if wellbore configure	ation has changed since	e prior program A	tach gas and inq	ad analys	see if sempled	11. Date of Te	-11.6·.	26
· ·	retor Number:			J. BLM Les	se No:		12. Well Statu		
4. API Numbe	G1806	ms	5. Multiple com	pletion?	Yes ,	À] No	Gas Lift	Pumping	
5. Well Name	747 676	<u>から</u> ig, Meridian): <u>んい</u>	Mumbe	wr 引 みゃ	2	1850	Clock/Inter		
8. County:	de M	9. Fit	eld Name:	À			13. Number of	Casing String	is: □ Liner?
10. Minerals:	S Fee □	State Fede					Two L	Three	
14.	Tubing:	TEP 1: EXISTIF	Prod. Cusing:	Intermed	iate	Surface	15.		
Record all pressures as	Tana Br	340	360	Ceg:		Cusing:		ee instructio	ins above.
found	Fm:	Fm: (ODL	Fm: ((, ()	٤					
16.			STEP 3: BF	RADENHEA	D TES	ST .			
	Yes No (Confirmed open?	Yes No	Elepsed Time (Min:Sec)	Fm:	Fm:	Production Caung PSIG	Intermediate Casing PSIG	Bradenhead Flow:
Meth mounts	nonitoring product	ion, intermediate o	casing and	00:	Tubing	Tubing		-	
tubing pressur	es, open surface	casing (pradennes	n casing and	05:				<u> </u>	
tubing pressur	es.) Record presi eristics of flow in	sures at tive minut *Bradenheed Flow	(Sillan Amia)						
using letter de. O = No Flow:	signations below: C = Continuous;		V = Vapor	10:					
		Whisper; S = Sur	ge; G Gas	15:					
BRADENHEAD Yes	SAMPLE TAKEN?	☐ Gas	Liquid	20:					
	radenhead fluid:		Fresh	25:					
Sulfur	☐ Salty	Black							
Other: (d				30:					
Sample cylinder	r number:			<u> </u>	Note ins	itantaneous Brad	lenhead PSIG at	end of test:	>
			DA INTERI	MEDIATE C	ASIN			I	
17,		STE	.r 4. HVILIX					intermediate	Intermediate
	Yes No (STE		Elepsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Casing PSIG	Flow:
Buried valve?	nonitorina produc	Confirmed open?	Yes No		Fm: Tubing.				2323
Buried valve? With gauges in pressures, opening at fire	nonitoring product on the intermediative minute interve	Confirmed open?	Yes No	(Min Sec)					
Buried valve? With gauges in pressures, open pressures at fill intermediate O = No Flow;	nonitoring product en the intermediat ive minute interva Flow" column usin C = Continuous;	Confirmed open? [tion casing and tut te casing valve. R Is. Characterize fi ng letter designation D = Down to 0;	Yes No bing lecord lecord low in ons below: V = Vapor	(MinrSec)					2373
Buried valve? With gauges in pressures, open pressures at fill intermediate O = No Flow;	nonitoring product en the intermediat ive minute interva Flow" column usin C = Continuous;	Confirmed open? [tion casing and tut te casing valve. R ls. Characterize fi ng letter designation	Yes No bing lecord lecord low in ons below: V = Vapor	(Min:Sec) 00: 05:					2373 6565
Burled valve? With gauges in pressures, ope pressures at fill intermediate O = No Flow; H = Water H2O INTERMEDIATE	nonitoring product an the intermediat we minute interva Flow" column usin C = Continuous; M = Mud; W = SAMPLE TAKEN?	Confirmed open? [tion casing and tut te casing valve. R ls. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	(Min Sec) 00: 05:					2373 6565
Buried valve? With gauges in pressures, ope pressures at fill intermediate O = No Flow; H = Water HZO INTERMEDIATE Yes	nonitoring product en the intermediat ve minute interva Flow" column usir C = Continuous; M = Mud; W = SAMPLE TAKEN?	Confirmed open? [tion casing and tut te casing valve. R is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur	Yes No bing lecord lecord low in ons below: V = Vapor	(Min Sec) 00: 05: -10: -15: -20:					2373 6565
Buried valve? With gauges in pressures, ope pressures at fill intermediate O = No Flow; H = Water HZO INTERMEDIATE Yes	nonitoring product an the intermediat we minute interva Flow" column usin C = Continuous; M = Mud; W = SAMPLE TAKEN?	Confirmed open? [tion casing and tut te casing valve. R is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	(Min:Sec) 00: 05: 10:					2373 6565
Buried valve? With gauges in pressures oppressures at fill intermediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of In Sulfur Other: (de	nonitoring product en the intermediat ive minute interva Flow" column usir C = Continuous; M = Mud; W = E SAMPLE TAKEN? No stermediate fluid: Saity sacribe)	Confirmed open? [tion casing and tut te casing valve. R is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur Gas Clear	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	(Min Sec) 00: 05: -10: -15: -20:					2373 6565
Buried valve? With gauges in pressures, ope pressures at fill intermediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of In Sulfur	nonitoring product en the intermediat ive minute interva Flow" column usir C = Continuous; M = Mud; W = E SAMPLE TAKEN? No stermediate fluid: Saity sacribe)	Confirmed open? [tion casing and tut te casing valve. R is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur Gas Clear	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	(Min Sec) 00: 05: -10: -15: -20: -25: -30:	Tubing	Tubing:	Casing PSIG	Casing PSIG	2333 E385
Buried valve? With gauges in pressures oppressures at fill intermediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of In Sulfur Other: (de	nonitoring product en the intermediat ive minute interva Flow" column usir C = Continuous; M = Mud; W = E SAMPLE TAKEN? No stermediate fluid: Saity sacribe)	Confirmed open? [tion casing and tut te casing valve. R is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur Gas Clear	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	(Min Sec) 00: 05: -10: -15: -20: -25: -30:	Tubing	Tubing:		Casing PSIG	2333 E385
Buried valve? With gauges in pressures oppressures at fill intermediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of In Sulfur Other: (de	nonitoring product en the intermediat ve minute interva Flow" column usir C = Continuous; M = Mud; W = SAMPLE TAKEN? No ntermediate fluid: Salty r number:	Confirmed open? [tion casing and tut te casing valve. R is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur Gas Clear	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	(Min Sec) 00: 05: -10: -15: -20: -25: -30:	Tubing	Tubing:	Casing PSIG	Casing PSIG	2333 E385
Buried valve? With gauges in pressures oppressures at finite remediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of In Suffur Other: (de	nonitoring product en the intermediat ve minute interva Flow" column usir C = Continuous; M = Mud; W = SAMPLE TAKEN? No ntermediate fluid: Salty r number:	Confirmed open? [tion casing and tut te casing valve. R is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur Gas Clear	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	(Min Sec) 00: 05: -10: -15: -20: -25: -30:	Tubing	Tubing:	Casing PSIG	Casing PSIG	2333 E385
Buried valve? With gauges in pressures oppressures at finite remediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of In Suffur Other: (de	nonitoring product en the intermediat ve minute interva Flow" column usir C = Continuous; M = Mud; W = SAMPLE TAKEN? No ntermediate fluid: Salty r number:	Confirmed open? [tion casing and tut te casing valve. R is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur Gas Clear	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	(Min Sec) 00: 05: -10: -15: -20: -25: -30:	Tubing	Tubing:	Casing PSIG	Casing PSIG	2333 E385
Buried valve? With gauges in pressures, opp pressures at fintermediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of in Sulfur Other: (de Sample cylinde	nonitoring product an the intermediat ve minute interva Flow" column usir C = Continuous; M = Mud; W = SAMPLE TAKEN? No starmediate fluid: Saity r number:	Confirmed open? [tion casing and tut te casing valve. R Is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur Gas Clear Black	Yes No bing lecord low in ons below: V = Vapor rge; G = Gas Liquid Fresh	(Min Sec) 00: 05: 10: 15: 20. 25: Note in	Tubing.	Tubing:	Casing PSIG	casing PSIG	2325 6365
Buried valve? With gauges in pressures, opp pressures at fintermediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of In Sulfur Other: (de Sample cylinde: 18. Commen	nonitoring product en the intermediat ve minute interva Flow" column usir C = Continuous; M = Mud; W = E SAMPLE TAKEN? No starmediate fluid: Saity encribe) r number: See instruction ify that the state	Confirmed open? [tion casing and tut te casing valve. R Is. Characterize fi ng letter designation D = Down to 0; Whisper; S = Sur Gas Gas Black	Yes No bing lecord low in ons below: V = Vapor rge; G = Gas Liquid Fresh	(Min Sec) 00: 15: 10: 20: 25: Note in	of my	eous Intermediat	casing PSIG see Casing PSIG security and sec	casing PSIG	2325 6365
Buried valve? With gauges in pressures, opp pressures at fintermediate O = No Flow; H = Water H2O INTERMEDIATE Yes Character of Ir Sulfur Other: (de Sample cylinde	nonitoring product en the intermediat ve minute interva Flow" column usir C = Continuous; M = Mud; W = E SAMPLE TAKEN? No starmediate fluid: Saity encribe) r number: See instruction ify that the state	Confirmed open? [tion casing and tut te casing valve. R Is. Characterize fi ng letter designation D = Down to 0; Whilaper; S = Sur Gas Gas Black Is above.	Yes No bing lecord low in ons below: V = Vapor rge; G = Gas Liquid Fresh	(Min Sec) 00: 15: 15: 20: 25: Note in	of my	eous Intermediat	casing PSIG see Casing PSIG security and sec	t and of lest	2325 6365



17 Rev eres	n Street, Suite 801,	State of Co las Conserva Denvar, Colorado 803 ADENHEAD	tion Commi	0 Fax: (303) 894	2109	7 K	IR DACC USE ONLY	
Step 2, Semple no Step 3, Conduct B Step 4, Conduct b	tubing and casing prove, if intermediate or iradenhead lest.	surface casing pressure	>25 pai. In sensitive	areas, 1 ps:	previously alyses if sampled			
4. API Number 5. Well Name 7. Location (C) 8. County: \(\)	perator: FOC ir. 18884 : Bc.K.C hrOtir, Sec, Twp. R N.E.K.\	Rng, Meridien): N. Z. 9. Fi	5. Multiple complex:	74N R		11. Date of Te 12. Well Statu Gas Lift Clock/Inter Plunger Lift 13. Number of	a: Flowing Pumping mitter	Shut in
10. Minerals:	P Fee	STEP 1: EXIST						
Record all pressures as found	. Tubing:	Tubing: 310 Fm: JSHD	Prod. Casing: 135 Fm:35~0	Intermediate Cag:	Surface Casing:	15. STEP 2: S	ee instructio	ove ano
16.			STEP 3: BRA		EST			Γ.
Mith courses m	- 	Confirmed open?	casing and	Etapsed Time Fm: (Min:Sec) Tub 00:		Production Casing PSIG	Intermediate Casing PSIG	Bradenhea Flow:

	I	1 nome	TOUTING			
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if	00:					
	05:					
no informediate casing, infinite transfer at five minute intervals. tubing pressures, Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column	.					
using letter designations below:	10:					
D = No Flow; C = Continuous; D = Down to 0; V = vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:					
BRADENHEAD SAMPLE TAKEN?	'-					
Yes No Gas Liquid	20:				· -	
Character of Bradenhead fluid: Clear Fresh	25:					
Sulfur Safty Black	1					
Other: (describe)	30:					
Sample cylinder number:	ļ	L		L		
		Note instant	neous Brader	head PSIG at	end of test:	<u> </u>
17. STEP 4: INTERI	MEDIATE C	ASING TE	ST			
	Elapsed Time		Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
	(Min:Sec)	Tubing:	Tubing:	Calling Follo	0.00	
		1	1	1		
With gauges monitoring production casing and tubing	00:			!		2323
pressures, open the intermediate casing valve. Record	05:	<u> </u>	 			
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below:	05:					7323 6565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow: C = Continuous; D = Down to 0; V = Vapor						
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below:	05:					0565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN?	05: 10: 15:					0565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid	05:					0565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh	05: 10: 15:					0565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow;	10: 15: 20.					0565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN7 Yes No Gas Liquid Character of Intermediate Ruid: Clear Fresh Sulfur Salty Black Other: (describe)	10: 15: 20.					0565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow;	10: 15: 20: 25:	nstanta ne ou s	Intermediate	Casing PSIG a	t end of test	9565 8565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN7 Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	10: 15: 20: 25:	natanta ne ous	Intermediate	Casing PSiG a	t end of test	9565 8565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN7 Yes No Gas Liquid Character of Intermediate Ruid: Clear Fresh Sulfur Salty Black Other: (describe)	10: 15: 20: 25:	nstantaneous	Intermediate	Casing PSIG a	t end of test	9565 8565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN7 Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	10: 15: 20: 25:	natanta ne ou s	Intermediate	Casing PSIG a	t end of test	9565 8565

19. STEP 5: See instructions above

I hereby certify that the statements made in this fo	rm are, to the best of my knowledge,	true, correct, and complete.
Test Performed by	Title:	Phone:
	Title: 5744 Cooking of	Date:// - \$ - 12
WITNESSED BY:	Title:	_Agency:

FORM

State of Colorado

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THE STATE OF THE S
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FOR OGCC USE ONLY

17 Rev 8/99	Oil and Gas Conservatio	n Comm	nission		PKIEWA)	ĺ		
1120 Lincoln	Street, Suite BD1, Denver, Colorado 80203	(303) B94-21	OD Fax: (303)	894-21	ومعتاعا وو			
	BRADENHEAD TI	EST RE	PORT					
Step 2. Semple no Step 1. Conduct B Step 4. Conduct in	tubing and casing pressures as found. w. it intermediate or surface casing pressure >25 intermediate casing last, intermediate casing fast, in to BLM within 30 days and to OGCC within 10 d. or if welfoors configuration has changed since pro-	(elbora diagram	if not pre ad analys	viousity les if sampled	 - -		
				_		11. Date of Te	st: 12-11-	04
1. OGCC Oper			3. BLM Leas	No:		12. Well Status		
4. API Numbe	r. 13141 5.	Multiple com	pletion? 5	Yes	No No	Gas Lift [Pumping	
6. Well Name:	ATICS (Twp. Rng. Meridian): 50 MG	_ Numbe SeL'	1 T5N	0 0	63W	Clock/inter		
7. Location (C 8. County: W	9. Field N	71				13. Number of	Casing String	
10. Minerals:	V Fee State ☐ Federal	India				Two _	Three	Liner?
14.	STEP 1: EXISTING	PRESSUR od. Casing:	Intermedi	ate	Surface			
Record all	190	150	Cag:		Casing:	15.	ee instructio	ns above
pressures as found	Fm: Fm: NB-CD Fn	11:NB -(D		0	3127 2. 0	Ed Williams	
L			ADENHEA	D TES				
16. Buried valve?			Elapsed Time	Fm:	Fm'	Production	intermedante	Bradennesd Flow:
	nonitoring production, intermediate casi		(Min:Sec)	Tubing	Tubing	Caung PSIG	Caxing PSIG	Flow.
tubing pressure	es, open surface casing (bradenness) : a casing monitor only the production ci	valve (II asing and						
Liubina negerur	es.) Record pressures at five minute in eristics of flow in "Bradenheed Flow" co	Hervara.	05:			İ		
using letter des	signations below:	V = Vapor	10:			1		
D = No Flow; H = Water H2O:	C = Centinuous; D = Down to 0; M = Mud; W = Whisper; S = Surge;	•	15:		1	 -		
	SAMPLE TAKEN?							
Yes	☐ No ☐ Gas ☐	Liquid	20:	_	ĺ			
I —	radenhead fluid: Clear Fre	sh	25:					
Sulfur Other: (d	, _		30:	ļ		 		
Sample cylinder				<u> </u>			<u> </u>	
				Note in	stanteneous Brade	enhead PSIG at	end of test:	>
17.	STEP 4	: INTERA	AEDIATE C	ASING	S TEST			
Buried valve?			Elapsed Time	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
1	nonitoring production casing and tubing		(Min:Sec)	Tubing	Tubing	Catalog Fold	Cara Ig I Gio	
pressures one	on the intermediate casing valve. Recover minute intervals. Characterize flow	ord	05:	ļ			 	2323
*Intermediate l	Flow" column using letter designations	below:	J 55:	}		ļ <u></u>		6565
O = No Flow;	C = Continuous; D = Down to 0;	V = Vapor	10:					6565
H = Water HZO;	M = Mud; W = Whisper; S = Surge;	G =G41	15:	-				
_	SAMPLE TAKEN?	Liquid	20:	ļ			 	
Character of in	No Gas		i				<u> </u>	
Suffur	Salty Black		25.					
Other: (de	scribe)		30:					<u>-</u> _
Sample cylinder	r number:			<u> </u>				
			Note #	stantan	eous intermediate	Caung PSIG B	It end of test.	<u>'</u>
18. Comment	ts:					.		
				===				
19. STEP 5	See instructions above.							
	fy that the statements made in this	form are	to the best	of my	knowledge, tr	ue, correct, a	ind comple	te.
Test Performe		Title: _				hone:		
. 6	the files		Just (296	, . T	Date:	// <u>u 6</u>	

WITNESSED BY: _____ Agency: _____ Agency: ____

State of Colorado

17

Dil and Gas Conservation Commission

W GAS	FOR DECC USE ONLY

Dil and Gas Conservation Comn 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2	NISSION 100 - Fav: (303)	994-71	, Œ	GAS GAS			
BRADENHEAD TEST RE		1 D2-4 2 10					Ì
and a second second	_		•	$\overline{}$			
Step 2. Sample now, if intermediate or surface casing pressure >20 ps. In sensor. Basp 3. Conduct Bradenhead test. Basp 4. Conduct Intermediate casing test.		if aci pres	noutly				
Step 6. Send report to BLM within 30 days and to UGCC within 10 days aubmitted or if wellbore configuration has changed since prior program. At	tach gas and liqu	ad arralys	ee if samp	***			5/
1. OGCC Operator Number:]	11. Date of Te		
2. Name of Operator: HoolE 4. API Number: 70235 5. Multiple corr	3. BLM Leas	Yes	KŽI No		12. Well Status	ı: Flowing Pumping	
Number of Number	, 15-K)	₹		☐ Clock/Inter		T III) ecroii
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): 21/1/4 DUV	1 386 5	<u> </u>	<u> </u>	<u>ч~</u> _[Plunger Lift		
8. County: No. 9. Faid Name: 6	<i>Ա.A</i>				13. Number of	Casing String Three	s: Liner?
10. Minarais: A Fee State Spreecits					<u> </u>		
Tubing: Tubing: Prod. Casing:	intermedi	ate	Surface		15.		
Record all pressures as 550	Cag:		Casing:			ee instruction	ns above.
Record all pressures as found Fm: FmJ5ND Fm: J5NA	•	ļ	O		0,2, 2, 5,		
16. STEP 3: BF	RADENHEA	D TES	T				
Buried valve? Yes No Confirmed open? Yes No	Elapsed Time		<u> —</u> [Fп		Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
Meth courses monitoring production intermediate casing and	(Min:Sec) 90:	Tubing	Tui	bing:			
tubing pressures, open surface casing (bradennead) valve (iii	NF.	<u> </u>			1		
tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column	05:						
using letter designations below:	10:	 	_				
O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whilsper; S = Surge; G = Gas	15:	ļ					
BRADENHEAD SAMPLE TAKEN?	1'*						
Yes No Gas Liquid	20:						
Character of Bradenhead fluid: Clear Fresh	25:	 -	+		 		
Sulfur Salty Black					ļ		
Other: (describe)	30:						
Sample cylinder number:		Note ins	tentanao	us Brade	nhead PSIG at	end of test:	>
	<u> </u>						<u> </u>
17. STEP 4: INTERI				_	1	Intermediate	Intermediate
Buried valve? Yes No Confirmed open? Yes No	Etapsed Time (Min:Sec)	Fm: Tubing.	Fn	ting:	Production Casing PSIG	Casing PSIG	Flow
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in							2323
		 	_		 		
"Intermediate Flow" column using letter designations below:	46	ļ			<u> </u>		6565
O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	10:						6565
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:	1		-			
INTERMEDIATE SAMPLE TAKEN?	20:	 			 	 	
Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh	ļ.,	ļ	_		<u> </u>		ļ
	25.						
Sultur Salty Black		-			 	†	
Other: (describe)	30:		- 1		1		
Other: (describe)		nstantam	sous Inte	rmediate	Casing PSIG a	et end of test	>
Other: (describe)		nstantan	sous inte	rmediate	Casing PSIG a	et and of test:	>
Other: (describe) Sample cylinder number:		nstantarv	sous Inte	rmediate	Casing PSIG a	et and of test	>
Other: (describe) Sample cylinder number:		nstantarv	sous inte	rmediate	Casing PSIG a	at end of test:	>
Other: (describe) Sample cylinder number: 18. Comments:		nstantam	sous inte	rmediate	Casing PSIG a	at and of test	>
Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above.	Note in						
Other: (describe) Sample cylinder number: 18. Comments:	Note in		knowle	dge, tr	ие, correct, a		
Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are,	Note in	of my	knowle	dge, tr		and comple	

I hereby certify that the statements made in this fo	rm are, to the best of my knowledge,	true, correct, and complete.
Test Performed by:	Title:	Phone:
Signed: Matthew W	Title: STAFE Service (1977)	Date:
WITNESSED BY:	Title:	_Agency:

COLORADO
West.

FOR OGCC USE DNLY

17 State of Colorado	.::_		COLOANDO	"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fex: (303) 894-2109						
BRADENHEAD TEST RE				_		
Step 1. Record at tubing and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive	e aress, 1 per					
Step 3. Conduct Bradienhead test. Step 4. Conduct Intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include w	elloore dugmen	if not pre	violatly			
aubmitted or if wellbore configuration has changed since prior program. At	tach gas and sq	Cad Briefy	SS II SAIIIDANG	11. Date of Te	et /2. 11.	.06
1. OGCC Operator Number: 2. Name of Operator: 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	3. BLM Lea	sa No: _		12 Well Statu		_
4. API Number: 13213 5. Multiple com	101-2	Yes	No	Gas Lift Clock/Inter	Dumping	
7. Location (OtrQti_Sec, Twp, Rng. Meridian): \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Sec 14 =	「ちゃ	R 67W	Plunger Lif	<u> </u>	
8. Countys 9. Feet State Federal India	an			13. Number of Two	Casing String Three	Liner?
14. STEP 1: EXISTING PRESSUR						
Record all Tubing: Tubing: Prod. Casing: 540	Intermed Cag:	iate	Surface Casing:	15.		
found Fm: Fm:V3-C0 Fm:V3-C			0	STEP 2: S	ee instructio	ns above.
16 STEP 3: BF		D TES	T			
110.	Elepsed Time (Min:Sec)	Fm:	Fm:	Production Casing PSIG	Intermediate	Bradenhead Flow:
With causes monitoring production, intermediate casing and	00:	Tubing	Tubing:	0.2		
tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals.	05:			-		
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10:	<u> </u>				
D = No Flow; C = Continuous; D = Down to 8; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas						
BRADENHEAD SAMPLE TAXEN?	15:			<u> </u>		
Yes No Gas Liquid	20:					
Character of Bradenhead fluid: Clear Fresh Sulfur Salfy Black	25.					
Other: (describe)	30:	 				-
Sample cylinder number:		<u> </u>			and of test:	
	<u> </u>		stantaneous Brad	ennead PSIG at	BIO O TESC	<u> </u>
17. STEP 4: INTERI			Fm:	Production	Intermediate	Intermediate
Dotted variet I tes I tes Oddinings system	Elapsed Time (Min:Sec)	Tubing	_	Casing PSIG	Casang PSIG	Flow
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:					2323
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:					6565
O = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:			 		6565
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:	 				
INTERMEDIATE SAMPLE TAKEN?	20.	-				
Character of Intermediate fluid: Clear Fresh	25.	 			<u> </u>	
Sulfur Salty Black	30:	ļ			<u> </u>	
Other: (describe) Sample cylinder number:						ļ
	Note #	etantar	sous Intermediate	Casing PSIG a	t end of test:	>
18. Comments:					 	
19. STEP 5: See instructions above.						
I hereby certify that the statements made in this form are,	to the best	of my	knowledge, tr	ue, correct, a	ind comple	te.
Test Performed by: Title:			F	hone:		
Signed: Witte XIII Title:	5744 6	Thois	, Z	Date:	n vb	

 WITNESSED BY:
 _____ Agency:

FORM

State of Colorado

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FOR DECC USE DALY

17	Oil and Gas Conserva		nission		300000			
	n Street, Suite 801, Denver, Colorado 803	203 (303) B94-21	00 Fex: (303)	894-21		1		
	BRADENHEAD					_		
Step 1. Record all	tubing and casing pressures as found. w. If intermediate or surface casing pressure]		
Btep 3. Conduct 8	Iraderihead lest					[]		
	htermediate casing test. It to BLM within 30 days and to OGCC within or if welloore configuration has changed since	10 days include w e pnor program Att	elbore diagram	ud analys	was if sampled	JL		
1. OGCC Ope	retor Number:					11. Date of Te	nt 12.11	.06
2. Name of Or	perator: Von L		3. BLM Lea			12. Well Statu	: Flowing	Shut In
4. API Numbe	r (5588	5. Multiple comp		Yes	XI No	Gas Lift Clock/Inter		Injection
6. Well Name: 7. Location (C	Davis P 27-'S http://www.Rng. Meridian): UE	14 Na/4	Sec 25	73N	Raw	Plunger Life		
8. County	<u> </u>	eld Name: <u>QV</u>				13. Number of	Casing String Three	js. ☐ Liner?
10. Minerals:	STEP 1: EXISTI				 -	1 140 [111100	C Cinary
14.	Tubing: Tubing:	Prod. Casing:	Intermed	ate	Suriace	15.		
Record all pressures as	CII	170	Cag:		Casing:		ee instructio	ns above.
found	Fm: Fm: C-CV	Fm: LODL			10	0127 2. 0		
-	<u> </u>	STEP 3: BR	ADENHEA	D TFS		_		
16.	Yes No Confirmed open?		Elapsed Time		Fm:	Production	Intermediate	Bradenhaad
Buried valve?			(Min:Sec)	Tuoing	Tubing	Coung PSiG	Ceang PSIG	Flow:
limbing corrects	nonitoring production, intermediate es, open surface casing (bradenhe	BOI VAIVE (II	04.					
I tubing pressure	e casing, monitor only the productions.) Record pressures at five minu	(e intervais.	05:					
Define character des	eristics of flow in "Bradenhead Flow signations below:	COMMI	10:					
D = No Flow;	C = Continuous; D = Down to 0; M = Mud; W = Whisper; S = Su			ļ		<u> </u>		
	SAMPLE TAKEN?		15:			}	į	
☐ Yes	☐ No ☐ Gas	Liquid	20:					
Character of Br	radenhead fluid: Clear	Fresh	25:	ļ		 	_	
Sulfur	Salty Black			ļ				
Other: (de			30:			İ		1
Sample cylinder	number.	!		Note ins	itantaneous Brad	enhead PSIG at	end of test:	>
17.		P 4: INTERN				15	Intermediate	Intermediate
Buried valve?	Yes No Confirmed open?	Yes No	Elapsed Time (Min:Sec)	Fm: Tubeng.	Fm: Tubing:	Production Casing PSIG	Casing PSIG	
With gauges m	nonitoring production casing and tu	bing	00:					2373
pressures at fin	en the intermediate casing valve. Fi ve minute intervals. Characterize f	low in	05:					
"Intermediate i	Flow" column using letter designate		10.				<u> </u>	6565
O = No Flow;	C = Continuous; D = Down to 0; M = Mud; W = Whisper; S = Su		10:				ļ	6565
ri - 10210; 1120,			15.					
INTERMEDIATE	SAMPLE TAKEN?	Liquid	20:		_		 	
		Fresh	25:	ļ			<u> </u>	<u> </u>
Sulfur	Salty Black		25.					
Other: (de	scribe)		30					
Sample cylinder	number:			L				
<u></u>			Note in	atantan	sous intermediate	e Casing PSIG s	t end of test:	<u> </u>
18. Comment	3:	<u></u>						
10 CTED F	See instructions above							
	See instructions above.	11 '- #					ind compte	ite
-	fy that the statements made in t						ию сотре	ıç.
Test Performe			_	-	f			·-
Signed:	they theles	Title:	KATE O		₹	Date: <u>* * * *</u>	7 0 .	

WITNESSED BY: _____ Agency: _____ ____

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	1921 CUI A
1	حتتا

FORM 17	Dil and Ca	State of Co as Conserva	lorado tion Comm	noission			COLLADO COL	FO	N OGĆĆ USE ONLY	
1120 Lincols	n Street, Suite 801, (Denvar, Colorado 802	03 (303) 894-21	00 Fax: (303)	894-21	9	<u> </u>			
	BRA	DENHEAD	TEST RE	PORT						
Step 2. Sample no	lubing and calling pred w, it intermediate or el	sures as found. visce casing pressure	>25 psl. in sensitivi	e areas, 1 per						
Step 3. Conduct B	rederiheed lest. Nermediste cesing test		an acus bushinin w	elleren diedmin	f not pre ad arraly:	viously iee II si	ampled			
1, OGCC Ope						_		11. Date of Te	st 以・11・	96
2 Name of O	perator: Nobi 4			3. BLM Leas	-	_		12. Well Status	: Flowing	Shut in
4 ADI Mumba	ወ ዓላ የ "		5. Multiple comp	pletion? r. <u>9 23</u>	Yes	No	'	Ges Lift [_	Injection
6. Well Name 7. Location (C	Reichert Hrohr, Sec. Twp. Rn	g, Meridian) 🗲 🛶	4 SEC	<u>9 741</u>	s R	Sev	<u> </u>	Plunger Life	<u></u>	
8. County:	mid	,- 9. F*	Name: 0 >>				_ 	13. Number of	Casing String Three	Liner7
10. Minerals:		State Fede			-					
14.	Tubing:	Tubing:	Prod. Casing:	Intermedi	Ate	Surh		15.		
Record all pressures as		350	350	Cag:		Casi	ng	STEP 2: S	ee instructio	ns above.
found	Fm:	FmJタルウ	FMJ5 ND	<u> </u>		<u></u>	م			
16.			STEP 3: BR	ADENHEA	D TES	ΣŤ				
	Yes No C	Confirmed open?	Yes No	Elepsed Time (Min:Sec)	Fm:		Fm:	Production Casing PSIG	Intermediate Caxing PSIG	Bradenhead Flow:
146th		ion intermediate (easing and	00:	Tubing		Tubing	 		_
tubing pressur	es, open surface i	casing (bradenher only the production sures at five minuted	n casing and	05:				-		
tubing pressur	es.) Record presi enistics of flow in '	Bradenhead Flow								
D = No Flow:	signations below: C = Continuous;	D = Down to 0;	V = Vapor	10:						
H = Water H2O		Whisper; S = Sur	ge; G =Gas	15;	-		_			
BRADENHEAD Yes	SAMPLE TAKEN?	Gas	☐ Liquid	20:	-		-	 		
	radenhead fluid:	☐ Clear ☐ ☐ Black	Fresh	Ž5:						
Dther: (d	leacribe)			30:						
Sample cylinde	r number:				Note in	stanta	neous Brade	nhead PSIG at	end of test:	>
		ет	P 4: INTER	MEDIATE C	ASIN	G TE	ST			
17.	Myss M No. 1	Confirmed open?		Etapaed Time			Fm:	Production Coston BSIC	Intermediate Casing PSIG	Intermediate Flow:
				(Mirr/Sec)	Tubing		Tubing:	Casing PSIG	Casing Poils	1,500
PROCESUIES OF	en the intermedial	tion casing and tuil to casing valve. R	(ecora	05:			ļ	 		2323
pressures at f intermediate	Flow" column usid	ls. Characterize fi ng letter designati	ons below:							8685
O = No Flow;	C = Continuous;	D = Down to 0; Whisper; 8 = Su		10:					<u></u>	6565
				15:						
	E SAMPLE TAKEN?	Gas	Liquid	20:	 			- -	 	
Character of in	ntermediate fluid:		Fresh	25:	 -			 	 	
Sulfur		Black							<u> </u>	ļ
Dther: (d				30:			-			
Sample cylinds	r number:			Note in	rstantar	eous	Intermediate	Casing PSIG a	at end of test:	>
10 0										
18. Commer	nts:								-	
			,							
						<u> </u>				
	See instruction								and comple	ato.
		ements made in	this form are,	to the best	of my	knov	wiedge, th	ue, correct, a lbone:	янь соттря	ilC.
Test Perform	ed by:	^	Title:				r			,

Signed: Mother Wisland Title: 574 (red. 5.5) Date: 13.11.06 WITNESSED BY: _____ Title: _____Agency: ____

17 Rev 8/99

State of Colorado

FOR DECC USE ONLY

Dil an	d Gas Conserva	tion Comm	ussion oo saa 12021	on4 21				
1120 Lincoln Street, Suita	801, Denver, Colorado 802 BRADENHEAD	TEST RE	PORT	034-21				
						ן		
Step 1. Record as tubing and cas Step 2. Sample now, if intermeds Step 3. Conduct Bradenhead less Step 4. Conduct intermediate cas	L							
Step 4. Conduct intermediate case Step 5. Send report to BLM withir submitted or if wellbore or	t 30 days and to OGCC within onfiguration has changed alno	10 days Include w e pnor program. At	elbore diagram ach gas and bqi	if not pre	HOUSEY	<u> </u>		
1. OGCC Operator Number	r					11. Date of Te	at: 12-11	06
2. Name of Operator:		5. Multiple com	3. BLM Leas	se No: . I Yes	A No	12. Well Status	_	
4. API Number: 3 10 6. Well Name: SCAAF	er	5. Musipia corii	プリーハラ	Ç	= ····	Ges Lift	Dumping mitter	III INJection
7. Location (OtrOtr, Sec. To	wp, Rng, Meridian): 🔰 🛴	/4_ VE/	<u>4 Sec a</u> ~A	1 74	1 N 15 PP-	Plunger Lif		ie.
8. County: A Ja C	State Fede						Three	☐ Liner?
14.	STEP 1: EXISTI					4		
Record all	Tubing:	Prod. Casing:	intermedi Ceg:	210	Surface Casing:	16.		
pressures as	FM: CODL	Fm: 6= 0 L	•		20	STEP 2: S	ee instructio	ns above.
Fm:		STEP 3: BR		h TE	· · · · · · · · · · · · · · · · · · ·			
16.		SIEP 3: BR	Flagsed Time	Fm:	Fm:	Production	Intermed-ate	Bradennead
Buried valve? Yes			(Min:Sec)	Tubing	Tubing:	Casing PSIG	Casing PSIG	Flow:
With gauges monitoring pr tubing pressures, open sur				ļ				
no intermediate casing, mo tubing pressures.) Record Define characteristics of fix	I DEBERUITER NI IIVO ITHIIL	TO KILDIAMID.	05:					
using letter designations b	alow:		10:	 				
O = No Flow; C = Contine H = Water H2O; M = Mud;		V = Vapor rge; G =Gas	15:	 -		 		_
BRADENHEAD SAMPLE TA				<u> </u>				
Yes No	Gas	Liquid	20:	1				
Character of Bradenhead fi	—	Fresh	25:	-				
Dither: (describe)			30:	 				-
Sample cylinder number:	<u></u>							
				Note in	stantaneous Brai	denhead PSIG at	end of test:	>
17.	STE	P 4; INTER			G TEST			>
17. Buried valve? Yes				ASIN(G TEST	Production Casing PSIG	end of test: Intermediate Casing PSIG	Intermediate Flow:
Buried valve? Yes	No Confirmed open?	Yes No	MEDIATE C	ASIN	G TEST	Production	Intermediate	
Buried valve? Yes With gauges monitoring pl pressures, open the intern	No Confirmed open? [roduction casing and tul nediate casing valve. R ttervels. Characterize fi	Yes No bing tecord low in	MEDIATE C	ASIN(G TEST	Production	Intermediate	2323
Buried valve? Yes With gauges monitoring processures, open the intermoderate intermoderate Flow columns.	No Confirmed open? [roduction casing and tul nediate casing valve. R atervals. Characterize fi no using letter designation	Yes No bing Record low in ons below:	MEDIATE C Esapsed Time (Min:Sec) 00:	ASIN(G TEST	Production	Intermediate	Flow:
Buried valve? Yes With gauges monitoring pleasures, open the intermediate Flow" column O = No Flow; C = Contin	No Confirmed open? [roduction casing and tul nediate casing valve. R atervals. Characterize fi no using letter designation	Yes No bing Record low in ons below: V = Vapor	AEDIATE C Elepsed Time (Min: Sec) 00: 05:	ASIN(G TEST	Production	Intermediate	2323
Buried valve? Yes Vith gauges monitoring pipessures, open the intermpressures at five minute ir "Intermediate Flow" colum O = No Flow; C = Contin H = Water H2O; M = Mud;	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervals. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su	Yes No bing Record low in ons below: V = Vapor	MEDIATE C Esapsed Time (Min:Sec) 00:	ASIN(G TEST	Production	Intermediate	2323 6585
Buried valve? Yes With gauges monitoring pleasures, open the intermediate Flow" column O = No Flow; C = Contin	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervals. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su	Yes No bing Record low in ons below: V = Vapor	AEDIATE C Elepsed Time (Min: Sec) 00: 05:	ASIN(G TEST	Production	Intermediate	2323 6585
Buried valve? Yes With gauges monitoring pi pressures, open the interm pressures at five minute ir "Intermediate Flow" colum O = No Flow; C = Contin H = Water HZO; M = Mud; INTERMEDIATE SAMPLE TA Yes No Character of Intermediate f	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas fuld: Clear	Yes No bing Record low in ons below: V = Vapor rge; G =Gas	AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10:	ASIN(G TEST	Production	Intermediate	2323 6585
Buried valve? Yes With gauges monitoring plessures, open the internet pressures at five minute ir "Intermediate Flow" colum O = No Flow; C = Contin H = Water HZO; M = Mud; INTERMEDIATE SAMPLE TA Yes No Character of Intermediate f	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas fuld: Clear	Yes No bing Record low in ons below: V = Vapor rge; G =Gas	### AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20:	ASIN(G TEST	Production	Intermediate	2323 6585
Buried valve? Yes With gauges monitoring prossures, open the intern pressures at five minute ir "Intermediate Flow" colum O = No Flow, C = Contin H = Water HZO; M = Mud; INTERMEDIATE SAMPLE TA Yes No Character of Intermediate f Suffur Salty Other: (describe)	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas fuld: Clear	Yes No bing Record low in ons below: V = Vapor rge; G =Gas	### AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15:	ASIN(G TEST	Production	Intermediate	2323 6585
Buried valve? Yes With gauges monitoring plessures, open the internet pressures at five minute ir "Intermediate Flow" column O = No Flow; C = Contine H = Water HZO; M = Mud; INTERMEDIATE SAMPLE TAY Yes No Character of Intermediate for Sulfur Salty	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas fuld: Clear	Yes No bing Record low in ons below: V = Vapor rge; G =Gas	### AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20. 25:	ASING Fm:Tubing	G TEST Fm:	Production	Intermediate Casing PSIG	2323 6565
Buried valve? Yes With gauges monitoring pleasaures, open the internet pressures at five minute ir "Intermediate Flow" column O = No Flow, C = Contine H = Water HZO; M = Mud; INTERMEDIATE SAMPLE TATE Yes No Character of Intermediate for Suffur Salty Other: (describe)	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas fuld: Clear	Yes No bing Record low in ons below: V = Vapor rge; G =Gas	### AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20. 25:	ASING Fm:Tubing	G TEST Fm:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565
Buried valve? Yes With gauges monitoring prossures, open the intern pressures at five minute ir "Intermediate Flow" colum O = No Flow, C = Contin H = Water HZO; M = Mud; INTERMEDIATE SAMPLE TA Yes No Character of Intermediate for Sulfur Salty Other: (describe) Sample cylinder number:	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas fuld: Clear	Yes No bing Record low in ons below: V = Vapor rge; G =Gas	### AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20. 25:	ASING Fm:Tubing	G TEST Fm:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565
Buried valve? Yes With gauges monitoring prossures, open the intern pressures at five minute ir "Intermediate Flow" colum O = No Flow, C = Contin H = Water HZO; M = Mud; INTERMEDIATE SAMPLE TA Yes No Character of Intermediate for Sulfur Salty Other: (describe) Sample cylinder number:	No Confirmed open? [roduction casing and tul nediate casing valve. R ntervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas fuld: Clear	Yes No bing Record low in ons below: V = Vapor rge; G =Gas	### AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20. 25:	ASING Fm:Tubing	G TEST Fm:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565
Buried valve?	No Confirmed open? [roduction casing and tul mediate casing valve. R ntervals. Characterize fi nu using letter designativ uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas Tuld: Clear Black	Yes No bing Record low in ons below: V = Vapor rge; G =Gas	### AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20. 25:	ASING Fm:Tubing	G TEST Fm:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565
Buried valve?	No Confirmed open? [roduction casing and tulediate casing valve. Retervals. Characterize fine using letter designation u	Yes No bing lecord low in ons below: V = Vapor rge; G =Gas	### AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20: Note in	ASING Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	2323 8565 8565
Buried valve?	No Confirmed open? [roduction casing and tulediate casing valve. Retervals. Characterize fine using letter designation u	Yes No bing tecord low in ons below: V = V**por rge: G = Gas Liquid Fresh	AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20: 25: Note in	ASING Fm: Tubing:	Fm:Tubing:	Production Casing PSIG te Casing PSIG s	Intermediate Casing PSIG	2323
Buried valve? Yes With gauges monitoring prossures, open the interminate in "Intermediate Flow" column O = No Flow; C = Contine H = Water H2O; M = Mud; INTERMEDIATE SAMPLE TA Yes No Character of Intermediate for Sulfur Salty Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions of the Stephysical See Instructions of the Stephysical See Instruction of the Stephysi	No Confirmed open? [roduction casing and tul nediate casing valve. R stervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas Guid: Clear Black uctions above statements made in	Yes No bing tecord low in ons below: V = V**por rge: G = Gas Liquid Fresh this form are, Title:	AEDIATE C Elapsed Time (Min: Sec) 00: 05: 10: 15: 20: 25: Note in	ASING Fm:	Fm:Tubing:	Production Casing PSIG ite Casing PSIG a	Intermediate Casing PSIG	2323 4565 6565
Buried valve?	No Confirmed open? [roduction casing and tul nediate casing valve. R stervels. Characterize fi nusing letter designation uous; D = Down to 0; W = Whisper; S = Su AKEN? Gas Guid: Clear Black uctions above statements made in	Yes No bing tecord low in ons below: V = V**por rge: G = Gas Liquid Fresh this form are, Title:	AEDIATE C Elapsed Time (Min:Sec) 00: 05: 10: 15: 20: Note in	ASING Fm:Tubing:	Fm:Tubing:	Production Casing PSIG te Casing PSIG s	Intermediate Casing PSIG	2323 6565 6665 6665 6665 6665 6665 6665

CONCERNO FOR OGCC USE ONLY

17		State of Co	lorado			2	/		
Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denvey, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109									
1120 Lincoln	Street, Suite 801, I	Denver, Colorado 802	103 (303) 894-21	DOPT	094-21	<u> </u>	-		ļ
		DENHEAD					۱		
Step 2. Sample no	(ubing and casing pre- w, if intermediate or ea	ratace casing pressure	>25 psi. In sensitiv	e ereas, 1 psi.					
Step 3. Conduct B Step 4. Conduct in	Hermediate certify the	t. ys and to OGCC within	10 days include w	elbore diagriim	l' noi pre	viously			
submitted	or If wellbore configure	ys and to OGCC within their has changed since	e buot brodustui. Vii	acu das suo adi	AC HINEY	BOTH N BEINGOOG	11. Date of Te	- 11.1	· C. /
1. OGCC Ope	retor Number:	7 1		3. BLM Less	a No				
Name of Op API Number	perator: <u></u>	- Concoln	5. Multiple com		Yes /		12. Well Status		
	7 11 6	<u> </u>	Numbe	-	~ ~ .		Clock/Inter	mitter	_
7. Location (C	trOtr, Sec. Two, Ro	g, Meridian): 151 A	10W 3CL	^ γ γσ μν	<u> </u>	211/2	Plunger Lif		18'
B. County: \(\structure{\sqrt{10}}\)	N (\C\ □ Foe □	State Fede						Three	☐ Uner7
10. Minarais.		TEP 1: EXISTI	NG PRESSUR	ES					
	Tubing:	Tubing:	Prod. Casing:	Intermed	iate	Surface	15.		
Record all pressures as		590	600	Cag:		Casing:	STEP 2: S	ee instructio	ns above.
found	Fm:	Fm: COOL	FITE COOK				J -		
16.			STEP 3: BR	ADENHEA	D TES	iT			
	□Yes □No (Confirmed open?		Elepsed Time	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradennead Flow:
Mark anyone a	anitorina amduri	ion intermediate	casing and	(Min:Sec)	Tubing	Tubing:	C		-
tubing pressur	es, open surface	only the productic	on casing and						
		sures at five minu Bradenhead Flov		05:					
Define charact	ensitions below:			10:	 				
D = No Flow;	C = Continuous;	D = Down to 0; Whisper; S = Su		15:	L		- 		
	SAMPLE TAKEN?	11112-001		15.					
Yes	□ No	Gas	Liquid	20:					
Character of B	radenhead fluid:	Clear 🔲	Fresh	25:					
Sulfur	Selty	☐ Black			<u> </u>				<u> </u>
	leacribe)			30:					
Sample cylinder	r number:			·	Note in	tentensous Brac	denhead PSIG at	end of test:	>
				<u></u>	==				
17.		STE	P 4: INTER		_				
Buried velve?	Yes No	Confirmed open?	Yes No	Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Imermediate Flow:
With gauges n	nonitoring produc	tion casing and tu	bing	00:					2373
pressures, op	en the intermedia we minute interva	te casing valve. H is. Characterize f	low in	05:				 	1
*Intermediate	Flow" column usi	ng letter designati	ons below:					<u></u>	6565
O = No Flow;	C = Continuous;			10:					8585
H = Water H2O	; M = Mud; W =	Whisper; S = Su	rge; G =Gas	15:	 -			 	1
INTERMEDIATE	E SAMPLE TAKEN			20:	ļ			├ ──	
☐ Yes	□ No	Gas C	Liquid	20.		İ			
Character of in	salty	∐ Clear ∐. ∐ Bleck	Fresh	25.				<u> </u>	
Other: (de		_		30:	 			 	-
Sample cylinde				<u></u>	<u> </u>				
' '				Note in	nstantan	eous Intermedia	te Casing PSIG s	at end of test:	>
18. Commen									
18. Commen									
19. STEP 5:	See instruction	is above.							
		ments made in	this form are.	to the best	of my	knowledge, t	rue, correct, a	and comple	ite.
			Title				Phone:		
Test Perform		7 0		1747	Consta		Phone: Date:i i · i	· e (,	
Signed: MK	Wan V	الحريل	Title:	J (.,	(3	Date:		

_____Agency: ___ WITNESSED BY: _____ Title:

FORM 17 6/90

FOR DECCUSE ONLY State of Colorado Dil and Gas Conservation Commission 1120 Lincoln Street, Suite BD1, Deaver, Colorado 80203 (303) 894-2100 Fex: (303) 894-2109 BRADENHEAD TEST REPORT Step 1. Record all tubing and casing pressures as found.

Step 2. Sample now, if intermediate or surface casing pressure >26 pal. In sensitive stees, 1 ps.:

Step 4. Conduct Bradenhead test.

Step 4. Conduct intermediate casing test.

Step 6. Sond report to ELM within 30 days and to OGCC within 10 days. Include wellbore diagram it not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses if sampled 11. Date of Test: 2.8.06 1. OGCC Operator Number: 2. Name of Operator Nobel 3. BLM Lease No: 12. Well Status: Flowing Shut In Gas Lift Dumping Injection 5. Multiple completion? A Yes No 4. API Number: 06178 Clock/Intermitter 6. Well Name: VAN ThuyNC 7. Location (OtrOtr, Sec. Twp, Rng, Meridian): 14 / 14 Plunger Lift 13. Number of Casing Strings: 9. Field Name: 6WA 8. County Boulder Two Three Liner? State Federal [Indian Fee 10. Minerals: STEP 1: EXISTING PRESSURES 14. Surface intermediate Prod. Casing: Tubing: 220 Casing: Csa: Record all DO STEP 2: See instructions above. Ò pressures as FM:SNBLD FMJNB(D) found STEP 3: BRADENHEAD TEST 16. Bradenhead Buried valve? Yes No Confirmed open? Yes No Elapsed Time Fm. intermediate Production Fm: Casing PSIG | Flow Casing PSIG Tubing With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitoring and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: 05: 10: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H≠Water H2O; M≠Mud; W≠Whisper; S≠Surge; G=Gas 15: BRADENHEAD SAMPLE TAKEN? 20. Liquid ... ☐ No Yes Fresh Character of Bradenhead fluid: Clear 25: ☐ Black ☐ Setty Sulfur 30 Other: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. Intermediate Production Intermediate Fm; Fm. No Flanced Time Burled valve? Yes No Confirmed open? Yes Casing PSIG Casing PSIG (Min:Sec) Tubin Tubino DO: With gauges monitoring production casing and tubing 2323 pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in 05 5565 "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor 10: 6565 H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas INTERMEDIATE SAMPLE TAKEN? 20. Liquid Gas ☐ No Fresh Character of Intermediate fluid: [] Clear 25. Salty Black Sulfur 30 Other: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSIG at end of test: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Test Performed by:

Title: Skelf (2009) FT Signed: Agency: __ __ Title: __ WITNESSED BY:

	COLORADO COLORADO	
9	Wights.	

_ Agency: __

FOR DECC USE ONLY

17		State of Col	orado				′		
لمصفضما	Dil and Ga	as Conservat	ion Comm		894.211				
1120 Lincoln	Street, Suite 801,	DENHEAD	TEST RE	PORT	JU + F				1
Shand Daniel shi)		
Step Z. Sample not step 1. Conduct 80	edenhead 1961.	Office Committy by and and							
I was a Conduct In	amediata caang ses	t ys and to OGCC within t aton has changed since	10 days include w pnor program. Aft	elibore dusgram ach gas and liqu	if not pre ad analys	viously see if sampled][
beammdua .	x if wellbore comigur	and the contract of the					11. Date of Te	st /2.8.	06
1, OGCC Open 2 Name of Oc	erator: Hobble			3. BLW Leas	se No:		12. Well Status	: Flowing	Shut in
4. API Number	1966		5. Multiple comp	eletion?	Yes	□ Nº	Gas Lift	Pumping	Injection
6. Well Name:	Travelals	ig, Meridian): 5	ー 5~/H	SEC 28	Tan	- R 68W	Cleaxanter		
7. Location (Of	rotr, Sec. I wp. Rr	9. Fie	id Name: GV	JA.			I J. STUDINGO OF	Casing String	js: Liner?
,	☑ Fee □	State Feder					1 1 1 1 1 1	1100	<u> [_] </u>
14.		TEP 1: EXISTIN	IG PRESSUR Prod. Casing:	intermed	ate	Surface	1		
Record all	Tubing:	Tubing:	195	Ceg:	-15	Casing:	16.	ee instructio	ns above.
pressures as found	Fm:	FMUZND	Fm:\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	,			3127 2 0	CO MIGHI COLO	
	T IIIk				h TES				
16.			STEP 3: BR	ADENHEA Elapsed Time	Fm:	Fm:	Production	Intermediate	Bradenhead
		Confirmed open?		(Min:Sec)	Tubing	Tubing	Caung PSIG	Cusing PSIG	Flow:
		tion, intermediate of casing (bradenhea		DQ:					
no intermediate	casing monitor	Diffy file production	e intervals.	05:			 	_	
Define characte	enstics of flow in	Dignatities of Lines	" column	10:	 	_ 			
D = No Flow;	ignations below: C = Continuous;	D = Down to 0;	V = Vapor	10.					
H = Water H2O;		Whisper; 5 = Sur	pe; G =Gas	15:					
l	SAMPLE TAKEN?	∏ Gaa	Liquid	20:					-
Yes Yes	No adenhead fluid:		Fresh						
Sulfur	Selty	☐ Black		25:					
Other: (de	sacribe)			30:					
Sample cylinder	number:	-			ــــــــــــــــــــــــــــــــــــــ			of test	
					Note in	stantaneous Hra	denhead PSIG at	WIN OI IBBC	<u></u>
17.		STE	P 4: INTER	EDIATE C	ASIN	G TEST			
Burled valve?	TY83 □ No	Confirmed open?	Yes No	Elapsed Time (Min:Sec)	. —	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
Math equipper	onitoring produc	tion casing and tub	sing	00:	Tubing:	T DOING:			
	e the intermedia	te casung valve. K	⊕CO! G	NK:	ļ				2323
pressures at fit Intermediate F	ve minute interva Flow" column usi	is. Characterize fi ng letter designation	ons below:	US:				<u> </u>	6565
D = No Flow;	C = Continuous;	D = Down to 0;	V = Vapor	10:					6565
H = Water H2O;	M = Mud; W =	Whisper; S = Sur	ge; G =Gas	15:	├			 	 -
INTERMEDIATE	SAMPLE TAKEN	?		l	<u> </u>				
☐ Yes	□ No	Gas	Liquid	20.					
I	termediate fluid:	Clear	Fresh	25.	† 				
Suffur		□ bisry		30:	\vdash				
Sample cylinder				L					
Gampie Cymrosi				Note it	nstantan	eous Intermedia	ite Casing PSIG	at end of test:	>
-									
18. Comment	·								
									
19. STEP 5:	See instruction	ns above.							
I harehy certi	fy that the state	ements made in t	his form are,	to the best	af my	knowledge, l	те, сопест, а	and comple	ete.
Test Performe			Title: _				Phone:	-	
	# \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7 1 0	T21-	CIC FE	631	54- 17	Date: <u>17.</u>	8 U D	

___ Title: ___

WITNESSED BY: __

FORM

State of Colorado

WITNESSED BY: ______ Title:

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FOR DECC USE ONLY

17	Dil and Gas Conservation (noissi		1000	/		ĺ
1120	Lincoln Street, Suite 801, Denver, Colorado 80203 (30)	3) 894-21	00 Fax: (303)	B94-210	DA INGRE			ļ
	BRADENHEAD TES	TRE	PORT					1
Step 1, Rec	ord all tubing and casing pressures as found. nple now, if intermediate or surface casing pressure >25 psi.	In sensitivi	arees, 1 psi					
Step 3. Con	iduct Bradenhead test.			if not oraș	ann alle			
Step 5. Sen sub	iduct intermediata casing test id report to BLM within 30 days and to OGCC within 10 days mitted or if wellbors configuration has changed since prior pro	ogram Att	ach gas and liqu	ed analys	es if sampled	<u> </u>		
1. OGCC	Operator Number:					11. Date of Te		
2. Name	of Operator: Noble	Liple comp	3. BLM Leas station? 「不	19 Mo: _ Yes [7 No	12. Well Status		
R Wali I	Name P.C.K.C. Yeard	Number	<u>9-16</u>	100		Ges Lift [I intection
7. Locut	ion (OtrOtr, Sec, Twp, Rng, Meridian): <u>GE & A</u>	<u>sec</u>		_67	<u>~</u>	Plunger Life 13. Number of		
8. Coun	ty: Weld 9. Field Nem	e: <u>G-≻</u> ∐ India					Three	☐ Liner?
14.	STEP 1: EXISTING PR	ESSUR	ES					
Record	Tubing.	Casing:	Intermedi Ceg:	ate	Surface Casing:	16.		
pressure	8 88	90.	_ Cag.		O	STEP 2: S	ee instructio	ns above.
found	Fm: Fm: V13-CD Fm:	18-0	<u> </u>			<u> </u>		 -
18.	STEF	3: BR	ADENHEA				[Bradenhead
Buried val	ve? Yes No Confirmed open? Yes	☐ No	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Flow:
district on	ges monitoring production, intermediate casing sessures, open surface casing (bradenhead) values	AB III	00:					
no interm	ediate casing, monitor only the production cash presures). Record pressures at five minute inten	vais.	05:					
Define ch	aracteristics of flow in "Bradenhead Flow" colur er designations below:	ทก	10:					
D = No Fi	ow; C = Continuous; D = Down to 8; V =	Vapor	'0.					
	M20, M - M00, 11 - 111.0001, 0	3 -Gas	15:					
BRADENI	HEAD SAMPLE TAKEN?	Liquid	20:	 			_	
	r of Bradenhead fluid: Clear Fresh		25:					
☐ Su	— — —		23.					
O+	her: (describe)		30:					
Sample C	ylinder number:			Note in	tentanaous Ara	idenhead PSIG at	end of test:	>
<u></u>			<u> </u>			===		
17.			MEDIATE C			B. d. ation	Intermediate	Intermediate
Buried va	Ne? Yes No Confirmed open? Yes	☐ No	Etapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Production Casing PSIG	Casing PSIG	Flow
With gau	ges monitoring production casing and tubing s, open the intermediate casing valve. Record		00:					2323
DIESSUITE	s at five minute intervals. Characterize flow in	louse:	05:	 				
	diate Flow" column using letter designations bel	= Vapor	10:					6905
O = No FI	Ow, O Containsond, P Townsond,	G =Gas					ļ	6565
		_	15.					
INTERME	EDIATE SAMPLE TAKEN?	Liquid	20:	† -				
Characte	er of intermediate fluid: Clear Fresh		25:	1	_ -			
Sul	_		***	 			<u> </u>	ļ
	ner: (describe)		30:					
Sample C	yill des tilateet.		Note is	ratantan	eous Intermedi	ate Casing PSIG (at end of test:	>
10 00	mments:							.
18. Co	eritinosta.							
19. STE	P 5: See instructions above.							
I hereby	certify that the statements made in this fo	rm are,	to the best	of my	knowledge,	true, correct, a	and comple	ite.
	formed by:	Title:				Phone:		
	N 44 17 1 D		27.166	62.	C 5 1	Date: 13 -	्दू.०७	
Signed:	Matthew Milak	Title:	->1 M	60.0	1 - 1			

CORM 17 6/99

FOR DECC USE ONLY State of Colorado Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fex: (303) 894-2109 BRADENHEAD TEST REPORT Step 1. Record all tubing and casing pressures as found.

Step 2. Sample now, if intermedate or surface casing pressure >25 pal. In sensitive areas, 1 pal.

Step 3. Conduct Disconhead test.

Step 4. Conduct Intermedate casing test.

Step 6. Send report to SLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed alnote prior program. Attach gas and equid analyses if sampled 11. Date of Test: 12. 8.06 1. OGCC Operator Number 2. Name of Operator: Volta iple completion? Yes No 12 Well Status: Thowing Shut In ☐ Gas Lift ☐ Pumping ☐ Injection ☐ Clock/Intermitter ☑ Plunger Lift 4. API Number: 13716 5. Well Name: Daniel Y 7. Location (OtrOtr, Sec, Twp, Rng, Meridian): SE/4 SE/4 SE/4 SEC 13. Number of Casing Strings: 9. Field Name: Cw 8. County Weld Two Three Liner? State Federal Indian 10. Minerals: STEP 1: EXISTING PRESSURES 14. intermediate Surface Prod. Casing: Tubing: Casing: Record all Csq: 410 225 STEP 2: See instructions above. pressures as FMJWBCD FMJWBCD found STEP 3: BRADENHEAD TEST 16 Bradenhead intermediate Buried valve? Yes No Confirmed open? Yes No Elapsed Time Production Fm: Casing PSIG Casing PSIG Tubing With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column value letter the footbase than the production of t 05. using letter designations below: 10: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gat BRADENHEAD SAMPLE TAKEN? 20. Liquid Gas ☐ No Yes Fresh Character of Bradenhaud fluid: Clear 25 Salty ∏ Black Sulfur 30 Dther: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. intermedista Production stai bermetel Buried valve? Yes No Confirmed open? Yes No Elepsed Time Fm: (Min:Sec) Tub Casing PSIG Casing PSIG Tubing DO. With gauges monitoring production casing and tubing 2353 pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in D5 6565 "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 6; V = Vapor 10. 6585 H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas INTERMEDIATE SAMPLE TAKEN? 20. ☐ No Character of intermediate fluid: Clear Fresh 25 ☐ Salty ☐ Black Sulfur

18.	Comments:	
_		
1₽.	STEP 5: See instructions above.	
		is this form are to the best of my knowledge, true, correct, and complete.

Note instantaneous intermediate Casing PSIG at and of test:

30:

Other: (describe) Sample cylinder number:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Phone: Test Performed by: Title: Glass Congres Signed: Watth Jones _ Agency: __ __ Title: ___ WITNESSED BY: _

FORM

State of Colorado

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1120 Lis	الق الل Straet, Sui	ta 801, Denver, Colorado	80203 (303) 894-21	00 Fex: (303)	894-210	D9 PNGAS	_			
	EDIT OLIVERY OF	BRADENHEA	D TEST RE	PORT						
Step 1. Recor		asing pressures as found dista or surface casing press								
Step Z. Samp	lo now, il inverme ⊶ Ro⊶denteed M	NET TITLE OF SOLUTION CHAINS IN A								
Step 4. Condi Step 5. Send	act Intermediate 5 report to BLM with	eaing test hin 30 days and to OGCC w configuration has changed	ithin 10 days. Include w since pnor program. All	ecu čes sug jidr pose gredinium	if not pre- ad sinalys	ree il sempled	JL			
==							11. Date of Te	st: 12.8.	56	
1. OGCC t	Operator Numb of Operator:	volote		3. BLM Leas			12. Well Status			
2. Name o	mber: 173	34	5. Multiple com	oleton?	Yes	No.	☐ Ges Lift [Pumping	njection [
s Well No	m 130 N	www.		15-11 Sec 15	TIN	REGIN	Clock/Inter			
7. Locatio	n (OtrOtr, Sec,	Twp, Rng. Maridian): <u>N</u> o		٠٠٠٠			13. Number of	Casing String	\$:	
8. County		 _ "	ederal India	n			Two L	Three	Liner?	
14.		STEP 1: EXIS	TING PRESSUR				-			
	Tubing:	Tubing:	Prod. Casing:	intermedi Cag:	ato	Surface Casing:	15.			
Record 8 pressures		622				0	STEP 2: S	ee instructio	ons above.	
found	Fm:	Fm:(OAL	Fm: (>D(<u></u>	<u>. </u>			
16.	<u> </u>		STEP 3: BR	ADENHEA	D TES				Bradenhead	
Buried valve	7 Yes [No Confirmed open	7 Yes No	Elapsed Time (Min:Sec)	Fm:	Fm:	Production County PSIG	Intermediate Casing PSIG	Flow:	
1		production, Intermedia	ate casing and	00:	TUSKY	150				
tubing pres	sures, open s	Figure Carris (nigota	action casing and	05:						
		nd pressures at five m flow in "Bradenhead I		US.						
using letter	designations	DBIOW:		10:	<u> </u>					
D = No Flov	v: C = Conti	inuous; D=Down t d; W=Whisper; S=	,	15:	ļ					
	AD SAMPLE T			10.						
☐ Yes		гп с	Liquid	20:						
Character	of Bradenhead	fluid: Clear	Fresh	25:					_	
☐ Sufft	ır 🗌 Sa	nty ☐ Black								
☐ Othe	r: (describe)	· · <u>- · · · · · · · · · · · · · · · · ·</u>		30:						
Sample cyli	nder number:				Note in	Lientenaous Bra	denhead PSIG at	end of test:	>	
				1	*****					
		<u></u> _								
17.			STEP 4: INTER				Benduction	Internediate	Intermediate	
	7 []Yes [No Confirmed open		AEDIATE C		Fm;	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:	
Buried valve	se monitorina	No Confirmed open	? Yes No	Elapsed Time	Fm:	Fm;				
Buried valve With gauge pressures	es monitoring open the inte	No Confirmed open production casing and remediate casing valve intervals. Characteri	? Yes No d tubing e. Record ze flow in	Elapsed Time (Min:Sec)	Fm:	Fm;			Flow:	
Buried valve With gauge pressures	es monitoring open the inte	No Confirmed open	? Yes No d tubing e. Record ze flow in	Elapsed Time (Min:Sec) 00:	Fm:	Fm;			Flow:	
Buried valve With gauge pressures, pressures "Intermedia"	es monitoring open the inte et five minute ate Flow" colu	No Confirmed open production casing and intervals Characteri into using letter design into using letter design	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor	Elapsed Time (Min:Sec) 00:	Fm:	Fm;			Flow:	
Buried valve With gauge pressures, pressures "Intermedia"	es monitoring open the inte et five minute ate Flow" colu	No Confirmed open production casing and emediate casing valve intervals. Characteri umn using letter design	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor	Elapsed Time (Min:Sec) 00:	Fm:	Fm;			7323 8585	
Buried valve With gauge pressures, pressures "Intermedia O = No Floor H = Water b	open the inte open the inte at five minute ate Flow" colu w; C = Cont kzO; M = Mu	Production casing and intervals. Characterism using letter designations; D = Down to d; W = Whisper; S =	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min/Sec) 00: 05: 10: 15:	Fm:	Fm;			7323 8585	
Buried valve With gauge pressures, pressures "Intermedi O = No Flor H = Water H INTERMED	open the integer open the integer open the integer open the integer open to be at the flow open open open open open open open open	No Confirmed open production casing any immediate casing valve intervals. Characteriumn using letter designations; D = Down to d; W = Whisper; S = TAKEN?	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min:Sec) 00: 05:	Fm:	Fm;			7323 8585	
Buried valve With gauge pressures pressures Intermedia O = No Flor H = Water H INTERMED Yes Character	open the inte open the inte at five minute ate Flow" colu w; C = Cont 42O; M = Mu IATE SAMPLE	Production casing and intervals. Characterism using letter designations; D = Down 6 d; W = Whisper; S = TAKEN?	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min/Sec) 00: 05: 10: 15:	Fm:	Fm;			7323 8985	
Buried valve With gauge pressures pressures "Intermedia O = No Flore H = Water H INTERMED	open the inte at five minute at Flow" colu w; C = Cont 42O; M = Mu ATE SAMPLE No of intermediat	Production casing and intervals. Characterism using letter designations; D = Down 6 d; W = Whisper; S = TAKEN?	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min:Sec) 00: 05: 10: 15:	Fm:	Fm;			7323 8985	
Buried valve With gauge pressures pressures "Intermedia O = No Flore H = Water H INTERMED Yes Character Surfue Other	open the interest open the int	Production casing and intervals. Characterism using letter designations; D = Down 6 d; W = Whisper; S = TAKEN?	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min/Sec) 00: 05: 10: 15: 20. 25.	Fm:	Fm;			7323 8985	
Buried valve With gauge pressures pressures "Intermedia O = No Flore H = Water H INTERMED Yes Character Surfue Other	open the inte at five minute at Flow" colu w; C = Cont 42O; M = Mu ATE SAMPLE No of intermediat	Production casing and intervals. Characterism using letter designations; D = Down 6 d; W = Whisper; S = TAKEN?	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min Sec) 00: 10: 15: 20. 25: 30:	Fm:Tuberg	Fm:Tubing:		Casing PSIG	2323 8965 6565	
Buried valve With gauge pressures, pressures, pressures Intermedi O = No Flor H = Water H INTERMED Yes Character Surfu Othe Sample cyl	es monitoring open the inte at five minute ate Flow" colt w; C = Cont 120; M = Mu IATE SAMPLE No of intermediate r Sa r: (describe)	Production casing and intervals. Characteristic casing valve intervals. Characterisms using letter designations; D = Down 6 d; W = Whisper; S = TAKEN? Gas fluid: Clear Black	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min Sec) 00: 10: 15: 20. 25: 30:	Fm:Tuberg	Fm:Tubing:	Casing PSIG	Casing PSIG	2323 8965 6565	
Buried valve With gauge pressures, pressures, pressures Intermedi O = No Flor H = Water H INTERMED Yes Character Surfu Othe Sample cyl	open the interest open the int	Production casing and intervals. Characteristic casing valve intervals. Characterisms using letter designations; D = Down 6 d; W = Whisper; S = TAKEN? Gas fluid: Clear Black	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min Sec) 00: 10: 15: 20. 25: 30:	Fm:Tuberg	Fm:Tubing:	Casing PSIG	Casing PSIG	2323 8965 6565	
Buried valve With gauge pressures, pressures, pressures Intermedi O = No Flor H = Water H INTERMED Yes Character Surfu Othe Sample cyl	es monitoring open the inte at five minute ate Flow" colt w; C = Cont 120; M = Mu IATE SAMPLE No of intermediate r Sa r: (describe)	Production casing and intervals. Characteristic casing valve intervals. Characterisms using letter designations; D = Down 6 d; W = Whisper; S = TAKEN? Gas fluid: Clear Black	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min Sec) 00: 10: 15: 20. 25: 30:	Fm:Tuberg	Fm:Tubing:	Casing PSIG	Casing PSIG	2323 8965 6565	
Buried valve With gauge pressures, pressures, pressures Intermedi O = No Flor H = Water H INTERMED Yes Character Surfu Othe Sample cyl	es monitoring open the inte at five minute ate Flow" colt w; C = Cont 120; M = Mu IATE SAMPLE No of intermediate r Sa r: (describe)	Production casing and intervals. Characteristic casing valve intervals. Characterisms using letter designations; D = Down 6 d; W = Whisper; S = TAKEN? Gas fluid: Clear Black	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas	Elapsed Time (Min Sec) 00: 10: 15: 20. 25: 30:	Fm:Tuberg	Fm:Tubing:	Casing PSIG	Casing PSIG	2323 8965 6565	
Buried valve With gauge pressures, pressures "Intermedi O = No Flor H = Water H INTERMED	es monitoring open the inte at five minute ate Flow" colu w; C = Cont tzO; M = Mu IATE SAMPLE No of intermediate r Sa r: (describe) Inder number:	Production casing and commediate casing valve intervals. Characteriumn using letter designinuous; D = Down to the comment of t	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas Liquid Fresh	Elapsed Time (Min: Sec) 00: 15: 10: 20: Note is	Fm:Tubarg	Fm:	Casing PSIG	Casing PSIG	2323 8565 6565	
Buried valve With gauge pressures, pressures "Intermedi O = No Flor H = Water H INTERMED	es monitoring open the inte at five minute ate Flow" colu w; C = Cont tzO; M = Mu IATE SAMPLE No of intermediate r Sa r: (describe) Inder number:	Production casing and commediate casing valve intervals. Characteriumn using letter designinuous; D = Down to the comment of t	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor Surge; G =Gas Liquid Fresh	Elapsed Time (Min: Sec) 00: 15: 10: 20: Note is	Fm:Tubarg	Fm:	Casing PSIG	Casing PSIG	2323 8565 6565	
Buried valve With gauge pressures, pressures, pressures, pressures, pressures, pressured intermedia or No Flore H = Water H INTERMED Yes Character Surfu Other Sample cyl 18. Com	es monitoring open the inte at five minute at five minute at Flow" colt. w; C = Cont Colt.	Production casing and remediate casing valve intervals. Characterium using letter design invous; D = Down to d; W = Whisper; S = TAXEN? Gas fluid: Gear ty Black tructions above. The confirmed open.	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor = Surge; G = Gas Liquid Fresh	Elapsed Time (Min Sec) 00: 15: 20. 25: Note is	Tuberg	reous Intermedia	true, correct,	and comple	2323 8965 6565 >	
Buried valve With gauge pressures, pressures, pressures, pressures, pressures, pressured intermedia or No Flore H = Water H INTERMED Yes Character Surfu Other Sample cyl 18. Com	es monitoring open the inte at five minute at five minute at Flow" colt. w; C = Cont Colt.	Production casing and remediate casing valve intervals. Characterium using letter design invous; D = Down to d; W = Whisper; S = TAXEN? Gas fluid: Gear ty Black tructions above. The confirmed open.	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor = Surge; G = Gas Liquid Fresh	Elapsed Time (Min Sec) 00: 15: 20. 25: Note is	Tuberg	reous Intermedia	true, correct,	and comple	2323 8965 6565 >	
Buried valve With gauge pressures pressures pressures intermedic O = No Floor H = Water h INTERMED Yes Character Sulfu Other Sample cyl 18. Com 19. STEF I hereby Construction of the Signed:	es monitoring open the inte at five minute at five minute at Flow" column; C = Cont AZO; M = Mulate SAMPLE No of intermediate r Sam: (describe)	Production casing and commediate casing valve intervals. Characteriumn using letter designinuous; D = Down to the comment of t	? Yes No d tubing e. Record ze flow in nations below: to 0; V = Vapor = Surge; G = Gas Liquid Fresh e in this form are, Title:	Elapsed Time (Min Sec) 00: 10: 15: 20. 25: Note is to the best	nstantar	rubing:	true, correct, Phone:	and comple	2323 8365 6565	

EDRM 17 Rev 8/99

FOR DECEMBE ONLY State of Colorado Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fex: (303) 894-2109 BRADENHEAD TEST REPORT Step 1. Record as tubing and casing pressures as found.

Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi.

Step 3. Conduct Bradenhead tesi.

Step 4. Conduct Intermediate casing test.

Step 6. Sond report to ELM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously supmitted or if wellbore configuration has changed since prior program. Attach gas and liquid analysise if sampled 11. Date of Test: A. C. 1. OGCC Operator Number: 2. Name of Operator: Name of Operator: 12. Well Status: Flowing Shut in 5. Multiple completion? Gas Lift. Pumping I Injection 4. API Number 162 K MUMBER D 14-5 TO DEUW Clock/intermitter 6. Well Name: Turk 3 us 7. Location (OtrQtr., Sec. Twp, Rng. Meridian): 5-14 Plunger Lift 9. Field Name: 6WA 13. Number of Casing Strings: B. County: Wald Two Three Liner? State Federal Indian 10. Minerals: - ∑ Fee STEP 1: EXISTING PRESSURES intermediate Surface Tubing: 320 Casing: Record all Csa: STEP 2: See instructions above. pressures 86 Fm: CoDL found STEP 3: BRADENHEAD TEST 16. Bradenneed Intermediate Buried valve? Yas No Confirmed open? Yes No Elapsed Time Fm. (Min:Sec) Tub Production Fm: Causing PSIG Casing PSIG Flow: Тиріпд With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: 00 05 10 D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whiteper; S = Surge; G =Gas BRADENHEAD SAMPLE TAKEN? 20: Liquid Gas ☐ No Fresh Character of Bradenhead fluid: Clear 25 Selty ☐ Black Sulfur 30 Dther: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. intermediate Production intermediate Buried valve? ☐ Yes ☐ No Confirmed open? ☐ Yes ☐ No Flancad Time Fm: Casing PSIG Casing PSIG (Min:Sec) Tubino Tubin ÓΩ With gauges monitoring production casing and tubing 2323 pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in 05 6565 "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor 10: 6586 H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas INTERMEDIATE SAMPLE TAKEN? 20. Liquid ☐ No Character of Intermediate fluid: [] Clear Fresh 25. Salty Black Sulfur 30: Other: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSIG at and of test: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Phone: Test Performed by:

Title: SRSF Gedorii Signed: Wetti Agency: ___ _ Title: ___ WITNESSED BY:

FOR DECC USE ONLY

Dil and Gas Conservation Comm	nission					
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-21	00 Fex: (303)	894-21	D9 [V[NGAS)	_\		
BRADENHEAD TEST RE	PORT					
Step 1. Record all tubing and casing pressures as found. Step 2. Semple now, if intermediate or surface casing pressure >25 psi, in sensitiv	e areas, 1 psu					
Step 3. Conduct Bradenhese was		f and non	ann mh			
Step 4. Conduct Intermediate casing test. Step 5. Send report to SLM within 30 days and to OGCC within 10 days. Include w automitted or If wellbore configuration has changed since prior program. As	ach gas and bo	ud enalys	se if sampled	<u> </u>		
1. OGCC Operator Number:				11. Date of Te	st: 12 · 8	,06
2. Name of Operator: Noble.	3. BLM Lea			12. Well Status		
4. API Number: 2225 5. Multiple com.	11.5]Yes {	No i	Gas Lift		Injection
7 Location (OtrOtr., Sec., Twp., Rng., Meridian): Swish Sc.C.1		R	64W	Plunger Life	<u> </u>	
8. County: 9. Field Neme: 9.				13. Number of	Casing String Three	is: Liner?
10. Minerals: 1 Fee State Existing RDESSIE						_
Tubing: Tubing: Prod. Casing:	Intermed	ate	Surface	15.		
Record all pressures as 450 520	Cag:		Casing:		ee instructio	ns above.
found Fm: Fm3540 Fm3540				l		
16. STEP 3: BR	ADENHEA	D TES	 БТ			
Buried valve? Yes No Confirmed open? Yes No	Elapsed Time (Min:Sec)	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
1864 access monitoring production intermediate casing and	00:	Tubing	Tubing:	002.072.0		
tubing pressures, open surace casing (pracein casing and	ļ <u>. </u>	ļ				
no intermediate casting, interior in the minute intervals. tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column	05:					:
using letter designations below:	10:					
D = No Flow; C = Continuous; D = Down to 0; Y = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:	 		-		
BRADENHEAD SAMPLE TAKEN?					 	<u> </u>
Yes No Gas Liquid	20;	1				
Character of Bradenhead fluid: Clear Fresh Sulfur Salty Black	25:					
Sulfur Salty Black Other: (describe)	30:	 -		 	<u> </u>	_
Sample cylinder number:		<u> </u>				
		Note ins	dang sucensinst	enhead PSIG at	end of lest:	>
17. STEP 4: INTERI	AEDIATE C	ASING	TEST			
Buried valve? Yes No Confirmed open? Yes No	Elepaed Time	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
With gauges monitoring production casing and tubing	(Min:Sec)	Tubing:	Tubing:	Casing Fold	Cataly r Sio	1
pressures open the intermediate casing valve. Record	L	ļ <u>.</u>				2323
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:					8565
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:					E585
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Ges	15:		-			
INTERMEDIATE SAMPLE TAKEN?	200	ļ			<u> </u>	
Yes No Ges Liquid	20:				<u> </u>	
Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	25:	Ì				
Other: (describe)	30:	 		_	 	1
Sample cylinder number:		<u> </u>				
	Note in	stantar	eous Intermediate	Casing PSIG s	it and of test:	>
18. Comments:						
19. STEP 5: See instructions above.		_	han to do to		and commi-	ta
I hereby certify that the statements made in this form are,					ни сотри	t€.
			F	none:	· · · · · ·	
Signed: Mather Visland Title:	5/214	J. 19	<i>y 7</i> .	Date:	1. C.	
WITNESSED BY: Title:			A	Agency:		

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__ Agency: ___

FOR OGCE USE ONLY

State of Colorado Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: [303) 894-210 BRADENHEAD TEST REPORT Step 1. Record all tubing and casing pressures as found.

Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi.

Step 3. Conduct Bradenneed lest.

Step 4. Conduct intermediate casing lest.

Step 4. Conduct intermediate casing lest.

Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellpore configuration has changed since prior program. Attach gas and liquid analyses it sampled 11. Date of Test: 12-906 1. OGCC Operator Number: 12. Well Status: Flowing Shut in 3. BLM Lease No: 4. API Number: 17860 5. Multiple completion? Yes 18 No

5. Well Name: 18 No. 22-114 Number: 🔲 Gas Lift 🔲 Pumping 🔲 Injection Clock/Intermitter 7. Location (OtrOtr, Sec, Twp, Rng, Meridian): NE NE S24-4N - \$40 Plunger Lift 13. Number of Casing Strings: 9. Field Name: Gw. A 8. County: Local Two Three Liner? State Federal Indian 10. Minerals: N Fee STEP 1: EXISTING PRESSURES 14. intermediate Surface Tubing: Prod. Casing: مدلا Caund: Csc Record all STEP 2: See instructions above. pressures as 10 Fm: CODL found Fm:(つむし STEP 3: BRADENHEAD TEST 16. Intermeduate Bradenhaad Burled valve? Yes No Confirmed open? Yes No Elapsed Time Fm. Production Fm:_ Caung PSIG Flow: Caung PSIG Tubing With gauges monitoring production, intermediate casing and wan gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column 05 using letter designations below: 10: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas BRADENHEAD SAMPLE TAKEN? 20. Liquid □ No Yes Fresh Character of Bradenhead fluid:

Clear 35 ☐ Salty ☐ Black Sulfur 30 Dther: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. Intermediate Production intermediate Flagged Time Fm: Buried valve? Yes No Confirmed open? Yes ☐ No Caung PSIG Flow Casing PSIG (Min:Sec) Tubing Tubina ΩO. With gauges monitoring production casing and tubing 2323 pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in 0.5 "Intermediate Flow" column using letter designations below: 6585 10 O = No Flow; C = Continuous; D = Down to 0; V = Vapor 6566 H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? 20 ☐ No Character of Intermediate fluid: [Clear Fresh 25. Salty Black Sulfur 30: Dther: (describe) Sample cylinder number: Note instantaneous intermediate Casing PSIG at end of test: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Test Performed by:

_____ Title: ____

WITNESSED BY:

COLUMN DE	
(Y\oiia)	
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1120 Lincoln Street, Suite 801, Denver, Coloredo 80203 (303) 894-2100 Fax: (303) 894-2109 BRADENHEAD TEST REPORT	
Step 1. Record all tutung and assing pressures as found. Step 2. Sample now, if intermediate or surface assing pressure >26 psl. In sensitive areas, 1 psl. Step 3. Conduct Bracenheed lest.	
Step 4. Conduct intermediate casing test. Step 4. Conduct intermediate casing test. Step 5. Send report to BLM within 30 days and to OBCC within 10 days. Include wellbore diagram it not previously. Step 5. Send report to BLM within 30 days and to OBCC within 10 days. Include wellbore diagram it not previously. Step 6. Send report to BLM within 30 days and to OBCC within 10 days. Include wellbore diagram it not previously. Step 7. Send report to BLM within 30 days and to OBCC within 10 days. Include wellbore diagram it not previously. Step 8. Send report to BLM within 30 days and to OBCC within 10 days. Include wellbore diagram it not previously.	8.06
1. OGCC Operator Number: 2. Name of Operator: Volume 12. Well Status: Flo	wing Shut In
A API Number: 1001	
S. Intelligence CARR	
7. Location (OtrOfr, Sec, 1wp, Rog, Metibletty) 9. Filed Name: GWA 13. Number of Casing 5	trings:
10 Minerals: Fee State Federal indian	
14. STEP 1: EXISTING PRESSURES Tubigs: Prod. Casing: Intermediate Surface 15.	
Record all Canng: Canng: Canng: STEP 2: See Instru	ictions above.
pressures as found Fm: Fm: NB-CD Fm: NB-CD	
STEP 3: BRADENHEAD TEST	
No Elapsed Time Fm: Fm: Production Intermed	
it and amplication intermediate casing and 00:	
tubing pressures, open surace casing the production casing and	
tubing pressures.) Record pressures at two transcriptions of flow in "Bradenhead Flow" column	
using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor	
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas 15:	
BRADENHEAD SAMPLE TAKEN?	
☐ Yes ☐ No ☐ Gas ☐ Egoto Character of Bradenhead fluid: ☐ Clear ☐ Fresh 25:	
Sulfur Salty Black	
Other: (describe) 30:	
Sample cylinder number: Note instantaneous Bradenhead PSIG at end of tr	nst: >
17. STEP 4: INTERMEDIATE CASING TEST 17. STEP 4: INTERMEDIATE CASING TEST 17. Fm: Production Intermediate Fm: Fm: Production Intermediate Fm	dista Intermediate
Casing PSIG Confirmed open? Yes No Confirmed open? Yes No	100 mm - 100
Math equipper monitoring production casing and tubing	
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures of the minute intervals. Characterize flow in 05.	PSIG Flow
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervels. Characterize flow in "Intermediate Flow" column using letter designations below:	2323 856.5
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor U = No Flow; C = Continuous; S = Surge; G = Gas	PSIG Flow
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas 15:	2323 856.5
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor University (C) = Man Mud. W = Whisper; S = Surge; G = Gas	2323 856.5
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh 25:	2323 856.5
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	2323 856.5
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number;	2321 #355 #565
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	2321 #355 #565
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number;	2321 #355 #565
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number: Note instantaneous informediate Casing PSIG at end of	2321 #355 #565
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number: Note instantaneous informediate Casing PSIG at end of	2321 #355 #565
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (describe) Sample cylinder number: Note instantaneous intermediate Casing PSIG at end of the STEP 5: See instructions above	2021 e555 e555 test >
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vspor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other (deacribe) Sample cylinder number: Note instantaneous infermediate Casing PSIG at end of the STEP 5: See instructions above. Interpretation of the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge, true, correct, and column to the best of my knowledge.	2021 e555 e555 test >
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black Other: (deacribe) Sample cylinder number: Note instantaneous Infermediate Casing PSIG at end of	2321 2321 2321 2321 2321 2322 2322 2322

WITNESSED BY: ______ Title: ____

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_____Agency:

FOR DECC USE ONLY

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1120 Lincoin	Street, Suite 801,	Danver, Colorado 802	03 (303) 894-21	OD Fax: (303)	894-21	09 ((((((((((((((((((((((((((((((((((((_		
	BRA	DENHEAD	TEST RE	PORT					
Step 1. Record at I Step 2. Sample not Step 3. Conduct Br	tubing and casing pra w, if intermediate or s	esures as found. surface casing pressure	>25 psi. In sensitiv	n areas, 5 per					
Step 4. Conduct in	termediate cating has	it. N's and to OGCC within ation has changed since	10 days include w	ellipore diagriim ach cas and lice	If not pre-	viously us it sampled:			
		ation has changed since	por pogram ran				11. Date of Te	st: / \(\lambda \cdot \& \end{align*}	.06
OGCC Oper Name of Oc	enstor: Number:			3. BLM Lea	se No: _		12. Well Status	: D Flowing	Shut In
4 ADI Number	. 1555	11024	5. Multiple com		Yes 1	₹ No	Gas Lift	Pumping	
6. Well Name:	Richards	ng, Meridian): SE	<u>い</u> 5~/4。	36710	TUN	R64W	Clock/Inter		
7. Location (Of 8. County:	ed of	9. Fit	id Name: 4	~ *			13. Number of	Casing String	js:
· —	Ø Fee □	State Feder					Two 1	Three	uner/_
14.		TEP 1: EXISTIN	IG PRESSUR	Intermed	in he	Surface	-		
Record all	Tubing:	Tubing:	Prod. Casing.	Csg:	1410	Casing:	15.	ee instructio	ne oboue
pressures 26 found	Fm:	Fm: SMD	Fm:J\$ND			10	SIEP Z. 5	ee mamucuo	IIIB BUOVE.
16.			STEP 3: BR	ADENHEA	D TES	iT .			
Buried valve?	Yes No	Confirmed open?	Yes No	Elapsed Time (Min Sec)	Fm:	Fm:	Production Calang PSIG	intermediate Casing PSIG	Bradenhead Flow:
With gauges m	onitoring product	tion, intermediate o	asing and	00:	Tubing	Tubing:			
tubing pressure no intermediate	es, open surface casing, monitor oc.). Record pres	casing (bradenness) only the production cures at five minut	n casing and e intervals.	05:		- 	_		
Define characte	eristics of flow in signations below:	"Bradenhead Flow	Column	10:	ļ .	·			
D = No Flow;	C = Continuous;	D = Down to 0;	V = Vapor na: G =Gas				<u> </u>		
	M = Mud; W = SAMPLE TAKEN?	Whisper; S = Sur	90; G-025	15:				1	
Yes	□ No	Gas	Liquid	20:	 	-			
Character of Br	radenhead fluid:	Clear	Fresh	25:					
Sulfur	Selty	☐ Biack			<u> </u>		<u></u>		
Sample cylinder				30:					
Sample Cyllinder	ijuritoar.				Note ins	tantanaous Brac	tenhead PSIG at	end of test:	>
			P 4: INTERN	EDIATE C	ASINO	TEST			
17.		Confirmed open?		Elapsed Time	T	Fm:	Production	Intermediate	Intermediata
i				(Min:Sec)	Tubing:	Tubing:	Casing PSIG	Casing PSIG	Flow
pressures poe	n the intermedia	tion casing and tub to casing valve. R	ecord	.					2373
pressures at fiv	ve minute interva	ils. Characterize fi ng letter designation	ow in	05:					5565
	C = Continuous;		V = Vapor	10:				-	6565
H = Water H2O;	M = Mud; W =	Whisper; S = Sur	ge; G≕Gas	15:	<u>. </u>	_ +			
INTERMEDIATE	SAMPLE TAKEN	?		20:					ļ
Yes	No No	Gas	Liquid Fresh	20.					<u> </u>
Sulfur	termediate fluid:	☐ Biack	110011	25.					
Other: (de	scribe)			30:	 	_	-		
Sample cylinder	number:				L,			<u> </u>	
				Note in	stantan	sous intermediat	le Casing PSIG a	t end of lest:	
18. Comment	8:								
				<u> </u>					
19. STEP 5:	See instruction	ns above.							
I hereby certif	£ . 45 - 1 45 4-1-	mente made in t	his form are.	to the best	of my	knowledge, t	rue, correct, a	nd comple	te.
	ry mai me siait	STUBING THEOR IN C				_			
Test Performe		aments made in t	Title: _				Phone:		

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_ Agency: ___

State of Colorado 17 Dil and Gas Conservation Comm 1120 Lincoln Street, Suite 801, Denver, Colorado 80263 (303) 894-210	ission 00 Fex: (303)	894·210	NO NO NO NO NO NO NO NO NO NO NO NO NO N	, Fu	e pope out once	
BRADENHEAD TEST RE		-				
Step 1. Record at tuning and casing pressures as found. Step 2. Sample now, if intermediate or eurisce casing pressure >25 pal. In sensitive						
Step 4. Conduct intermediate casing that. Step 5. Send report to BLM within 30 days and to DGCC within 10 days. Include we submitted or if weetbore configuration has changed alloce prior program. Atta	Hoore dusgram son gas and liqu	t not pre-	nously as it sampled]		
supmitted or it westpore configuration to				11. Date of Te	sc 12-11 -	96
2 Name of Operator: VOOIE	3. BLM Leas			12. Well Status		
4. API Number: 14959 5. Multiple comp	8-14	Yes	¹ β66~	Gas Lift Clock/Interi	Pumping mitter	Injection
5. Well Name: Field 5. Number 7. Location (OtrOtr, Sec., Twp, Rng, Meridian): \$2/4 5.4	SEC 81	IJŊ.	8555	Plunger Lift 13. Number of		E.
8. County: 9. Field Name:	<u> </u>				Three	Liner7
10. Minerals: Fee State Federal House	ES					
Tubing: Tubing: Prod. Casing:	Intermedi Cag:	ate	Surface Casing:	15.		
Pressures as found Fm: CPD/ Fm: CPD/	049.		Ö	STEP 2: S	ee instructio	ns above.
FIII.				<u>'</u>		
16. STEP 3: BR		D TES	Fm:	Production	intermeduate	Bradenhead
Buried valve? Yes No Confirmed open? Yes No	Elapsed Time (Min:Sec)	Tubing	Tubing	Casing PSIG	Casing PSIG	Flows
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if tubing pressures, open surface casing the production casing and	DQ:					
no intermediate casing, monitor only the production intervals.	05:					
Define characteristics of now in practitional test of the using letter designations below:	10:					
O = No Flow; C = Continuous; D = Down to 0; V = Vapor (H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	15:					
BRADENHEAD SAMPLE TAKEN?						
Yes No Gas Liquid	20:	ļ				
Character of Bradenhead fluid: Ciear Fresh	25:	·				
Sulfur Safty Black	30:					-
Sample cylinder number:					<u> </u>	<u> </u>
		Note in	stantaneous Brad	lenhead PSIG at	end of test:	
STEP 4: INTERA	MEDIATE C	ASIN	G TEST			
17. Burled valve? Yes No Confirmed open? Yes No	Etapsed Time (Min:Sec)	li .	Fm Tubing	Production Casing PSIG	intermediate Casing PSIG	Intermediate Flow
Make assume manifering production casing and tubing	00:	Tubing	100219			2373
pressures, open the intermediate casing valve. Record	05:	1				-
"Intermediate Flow" column using letter designations below:		ļ			<u> </u>	656.5
C = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	10:					5585
	15:			_		
INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid	20:	ļ - -				
Character of Intermediate fluid: Clear Fresh	25:	\vdash				
Suffur Salty Black	30:	<u> </u>		 -		
Other: (describe)	130.	<u> </u>				<u> </u>
Sample cylinder number:	Note i	nstantar	eous Intermedia	te Casing PSIG	at end of test:	>
18. Comments:						
18. Comments:						
19. STEP 5: See instructions above.					and sample	ate
I hereby certify that the statements made in this form are,		at my	knowledge, t	rue, correct, i Phone:	ани сотря	; i.G.
Test Performed by: Title:	an 1666	11:	:3:5T	Phone:		
Signed: Writte Kul Title:	2144	1.040		Date:		

_ Title: ___

WITNESSED BY: ___

FORM

State of Colorado

FOR DECC USE DNLY

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Ram 8/90	Dil and Ga	as Conserva Denver, Colorado 802	[]D]] GUIIII na (303) 894-21	11551011 :00	894-21		1		
1120 Lincol	In Street, Suite 801.	DENHEAD	TEST RE	PORT			-		
Barrett Barrett al]		
Step 2 Sample of	ow, it injermediate of a Reaclambead lest.	Britice Carried by Annual							
Bank & Coorterf 1	Alermedista casing car	t ys and to OGCC within aton has changed sinci	10 days. Include w	mangeb encole	if not pre ad analys	viously use if asmpled]]		
pubmindus	or # wellborn configur	ation has changed since	рара				11. Date of Te	at: 2- 1-	106
1. OGCC Ope	rator Number:			3. BLM Less	sa No:		12. Well Status		
2. Name of C	perator: MADE		5. Multiple com	pielion?		No	12. Well Statut		Injection
API Numbi Well Name	mean H		Numbe	. Ib-4 3		N RCEN	Clock/inter	mitter	_
7. Location (C	⊇trΩtr, Šec, Twp. Ri	ig, Meridian):		Sec 16	- 1-3	N ICHW	Plunger Lift 13. Number of		1K:
8. County: C		State Fede						Three	Liner?
10. Minerals:	X Fee	TEP 1: EXISTI		RES					
14.	Tubing:	Tubing:	Prod. Casing:	Intermed	ate	Surface	15.		
Record all pressures as	1009	480	480	Ceg:		Casing:	STEP 2: 5	ee instructio	ns above.
found	Fm:	FMTCOL	Fm:J~LO						
<u></u>	<u></u>		STEP 3: BF	ADENHEA	D TES	 ST	<u> </u>		
16.		Confirmed open?	Yes No			Fm:	Production	intermediate Caung PSIG	Bradennead Flow:
Buried valve?	_			(Min:Sec)	Tubing	Tubing	Caung PSIG	Cating PSIG	T LOW.
		tion, intermediate of casing (bradenher		J 00.		ĺ			
no intermedial	te casing, monitor	curse of five minu	te intervals.	05:					
Define charac	teristics of flow in	- PLEGRETILIE GO L IDA	v" column	10:	<u> </u>			 	
D = No Flow:	signations below: C = Continuous;	D = Down to 0;	V = Vapor	'``					
H = Water H2O	; M = Mud; W =	Whisper; S = Sur	nge; G Gas	15:					
1	SAMPLE TAKEN?	∏ Gaa		20:	<u> </u>			 	<u> </u>
Yes	∐ No		Fresh	·					<u> </u>
Character of E	Braderihead fluid:	☐ Clear ☐ ☐ Black		25:					
Other: (c				30:					
Sample cylinde					<u> </u>	L_		<u> </u>	-
					Note in	stantaneous Brad	denhead PSIG at	, end of test:	>
<u> </u>		STE	P 4: INTERI	MEDIATE C	ASIN	G TEST			
17.	П. П.	Confirmed open?		Elepsed Time		Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate
				(Min:Sec)	Tubing	Tubing	Casing Falls	Catala 1 Bio	7
	the intermedia	tion casing and tu	(800)10	, w.				ļ	2373
account you at	five minute interva	als. Characterize i	KUW III	05:	1				8585
*intermediate		ing letter designati		10:	 			 	†
0 = No Flow;	C = Continuous	; D=Down to 0; •Whisper; S=Su		l				ļ	6585
				15:					
l —	E SAMPLE TAKEN	? □ Gas	Liquid	20.	 -				
Character of I	No Intermediate fluid:		Fresh	25:	<u> </u>			 	
Sulfur	Salty	☐ Black		25.		-			
Other: (c	lescribe)			30:	1	-			
Sample cylinds	er number:							<u> </u>	
				Note i	กรเลกเลา	reous Intermedia	ie Casing PSiG	at end of test:	
18. Comme	nts:								
i									
								· —-	
19. STEP 5	: See instructio	ns above							
I herehy cer	tify that the stal	ements made in	this form are,	to the best	t of my	knowledge, i	true, correct, a	and comple	ete.
	بريط لسي		Title:				Phone:		
125CERTOITI	1-13	11 1		5144	600	12.51	Date:/_à	11 2/5	
Signed: 1/2	TTPen 1	W. James J.							
MATNESSED	BY:		Title:				Agency:		

FOR DECC USE ONLY

[)il and Ga	AS CONSERVA Denver, Colorado 802	tion Comm	ission od Fex: (303)	894-210				
1120 Lincoln Str	BRA								
Step 1. Record all tubin Step 2. Sample now, it is Step 3. Conduct Brader Step 4. Conduct Interm Step 5. Send report to 8	g and caung pre- intermediate or si sheed test ediate casing test	saures es found. urace cesing pressure	>26 psi. In sensitivi	areas, 1 psi	if not previ	nously se if sempled			
submitted or if v	velocie cumpun	ISON THIS CHANGES IN THE					11. Date of Ter	mill t) É
8. County: Vac	tor: K. P. 19273 V V? Tr. Sec. Twp. Re	a. Meridian): 12 1/2	5. Multiple comp Number		Yes Z	_	12. Well Status Gas Lift Glock/Interes Plunger Lift 13. Number of	Pumping mitter	Injection
14.		TEP 1: EXISTI			. 		-		
Record all pressures as found Fm	bing:	Tubing: の FmSいと次	Prod. Casing: 日 人 Fmらいらメ	Intermedi Ceg:	416	Surface Casing:	15. STEP 2: Se	ee instructio	ns above.
			STEP 3: BR	ADENHEA	D TES	т			
Burled valve? Y	AR DNO I	Confirmed open?		Elepsed Time	Fm:	Fm:	Production Casing PSIG	Intermeduals Casing PSIG	Bradenhead Flow:
With gauges monit tubing pressures, on intermediate catubing pressures.) Define characterist	toring product	tion, intermediate of casing (bradenher only the production sures at five minutes	casing and ad) valve (if on casing and te intervals.	(Min:Sec) 00: 05:	Tubing	Tubing:			
using letter design	ations below:			10:					
H = Water H2O; M				15:					
BRADENHEAD SAM	APLE IAXENT	Gas	Liquid	20:	. <u>.</u> .				
Character of Brade	nhead fluid:	Clear	Fresh	25:	_				
Other: (descri	be)			30:					
Sample cylinder nun	nber:				Note insi	tentaneous Brac	lenhead PSIG at	end of test:	>
17.		STE	P 4: INTER	MEDIATE C	ASING	TEST			
Buried valve?	Yes 🔲 No	Confirmed open?	Yes No	Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
With gauges moni pressures, open ti	he intermedia	te casing varve. P	(ecoru	00:					2323
pressures at five r *Intermediate Flow	M. COJAMU ARI	ng letter designati	ons below:		ļ			<u> </u>	6565
	= Continuous; # = Mud; W =	D = Down to 0; Whisper; S = Su		10:					6565
INTERMEDIATE SA	MPLE TAKEN			Ĺ				<u> </u>	
Yes	No	Gas	Liquid	20:					
Character of Inter	mediate fluid:	☐ Clear ☐ ☐ ☐ Black	Fresh	25.					
Sample cylinder nur				30:				<u></u>	
Sample Cylinder III				Note I	nstantane	sous Intermedia	te Casing PSIG	at and of test	>
18. Comments:_									
									
		 -							
	e instructio					فالمان مسا		and comple	ile.
I hereby certify t	that the state					knowledge, t	rue, correct, a Phone:	and comple	ete.
	that the state	ements made in	Title:				rue, correct, a Phone: Date://		ete.

17 Rev 8/99

State of Colorado Oil and Gas Conservation Commission

WITNESSED BY: ______ Title:

B coroneo
MGAS

Agency: ____

FOR DECC USE DALY

Oil and Gas Conservation Comm	nission	3) BDM 211	L NEXS			
BRADENHEAD TEST RI		37 034-2 10		·		
Step 1. Record at tubing and being pressures as found. Step 2. Sample now, if intermediate or surface clasing pressure >25 psl. in sensiti						
Btap 3. Conduct Bradenheed lest. Btap 4. Conduct Intermediate casing lest. Btap 5. Send report to BLM within 30 days and to OGCC within 10 days. Include a submitted or if wellbore configuration has changed since prior program. A	wallhorn dubGIII:	n if not pre-	nously as it sampled		_	
1 OGCC Operator Number:				11. Date of T	est: /() :3	006
2. Name of Operator:	3. BLM Le	7			sa: Flowing	_
4. API Number: 22549 5. Multiple con		Yes		Gua Lift Clock/inte	Pumping rmitter	Injection
7. Location (OtrOtr, Sec. Twp, Rng. Meridian): St. Sw.	مريج	X 75.	V Plasul	Plunger L	in	
8. County: 9. Field Name: 6	<u>a VVZT</u>			13. Number o	Three	us:
14. STEP 1: EXISTING PRESSU	RES					
Record all Tubing: Tubing: Prod. Casing:	Intermed	liate	Surface Casing:	15.		
pressures as found Fm: Fm: T W Fm: T W	213		\bigcirc	STEP 2: 5	iee instruction	ns above.
16. STEP 3: BF	RADENHE	AD TES				
Buried valve? Yes No Confirmed open? Yes No		Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
With neuron monitoring production, intermediate casing and	(Min:Sec)	Tubing	Tubing:	Cessig Ford	0.0.0	1
tubing pressures, open surface casing (pracenness) valve (if	05:				 	
tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column	i					
using letter designations below: D = No Flow; C = Continuous; D = Down to 8; V = Vapor	1D:					
H = Water H2O; M = Mud; W = Whiteper; S = Surge; G = Gas	15:					
BRADENHEAD SAMPLE TAKEN? Yes	20:	 	_			
Character of Bradenhead fluid: Clear Fresh	1 25:	-	 	 		
Sulfur Salty Black	1	<u> </u>				
U Other: (describe) Semple cylinder number:	30:					
энгри сумная попост.	} 	Note inst	ntaneous Brade	nhead PSIG at	end of test:	>
STEP 4: INTERI	MEDIATE O	ARING	TEST			
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time	Fm:	Fm:	Production	Intermediate	Intermediate
With gauges monitoring production casing and tubing	(Min:Sec)	Tubing.	Tubing:	Casing PSIG	Casing PSIG	Flow
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in						
"Intermediate Flow" column using letter designations below:	05:					
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:					
H = Water H2O; M = Mud; W = Whisper; S = Burge; G =Gas	15:		 			
INTERMEDIATE SAMPLE TAKEN?	20:			 		
Character of Intermediate fluid: Clear Fresh	25:			-		
Sulfur Saity Black	1					
Other: (describe)	30:					
Sample cylinder number:	Note in	stantanec	us intermediate (Casing PSIG at	end of test	,
18. Comments:	ı					
19. STEP 5: See instructions above.						
	In the bort	ag gang lea	mulades ter	correct o	nd complet	.
I hereby certify that the statements made in this form are, the test Performed by:					in compar	
11-411. 12 1 0	TALL	(23.00			3	-
Signed: /VLULUS Luz JUIN Y Title: -	3.5 %	ា ប្រហ្វុ	→ Da	TB:		

Birningino)
TYLOUA
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FOR DECC USE ONLY

Oil and Gas Conservation Com	mission		L NEW.			
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894- BRADENHEAD TEST R		3) 894-21	09	-]		
Step 1. Record at tubing and disting pressures as found. Step 2. Gample now, if intermediate or surface causing pressure >25 pei. In sensi)		
Step 3. Conduct Bradenhead lest.						
Step 4. Conduct Informedists casing test. Step 6. Send report to BUM within 30 days and to OGCC within 10 days. Include submitted or if well-bore configuration has changed since prior program.	welloors dagrar Attach gas and li	und analy	nnoutily upp II sampled.	<u> </u>	<u> </u>	
1. OGCC Operator Number:	11. Date of T	est: [() - 3	1-010			
2. Name of Operator: 5. Multiple co	_ 3. BLM Lex	Yes		12. Well State		Shut In
8 Well Name: STITT Number: Num	,	ζ		Clock/Inte	rmitter	injection
7. Location (CtrCtr, Sec, Twp, Rng, Meridian): 8. County: (A) () (9. Field Name: (Plunger L 13. Number o		ge:			
8. County: V X State State I Federal Inc		Three	Liner?			
14. STEP 1: EXISTING PRESSU		4-4-	Durtage			
Record all Tubing: Tubing: Prod. Casing:	Intermed	Hate	Surface Casing:	15.		
pressures as found Fm: Fm: TSAID Fm: TSA	ا ط		\circ	STEP 2: 8	See instruction	ons above.
16 STEP 3: B	RADENHE	LD TES	T	<u> </u>		
Buried valve? Yes No Confirmed open? Yes N	Elapsed Time	T	Fm:	Production	Intermediate	Bradenhead Flow:
Note any see positioning production intermediate casing and	(Min:Sec)	Tubing	Tubing:	Cesing PSIG	Casing PSIG	Flow:
tubing pressures, open surface casing (practically valve (ii				ļ	ļ.—.	
tubing pressures.) Record pressures at tive minute intervels. Define characteristics of flow in "Bradenhead Flow" column	05:				}	
using letter designations below: D = No Flow: C = Centinuous; D = Down to 0; V = Vapor	10:					
H = Water H2O; M = Mud; W = Whiteper; B = Surge; G =Gas	15:	 		 		- -
BRADENHEAD SAMPLE TAKEN?	20:				<u></u>	
Character of Bradenhead fluid: Clear Fresh	† <u> </u>			<u> </u>	<u> </u>	
Sulfur Salty Black	25:	1			i	
Other: (describe)	30:	ļ				
Sample cylinder number:	-	Ninte incl	anteneous Brade	hoped PSIG at	end of test:	
						
17. STEP 4: INTER	MEDIATE C		Fm:	Production	Intermediate	imermediale
SOUND AND THE THE PARTY IN THE	(Min:Sec)	Tubing:	Tubing:	Casing PSIG	Casing PSIG	Flow
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:					
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:					
D = No Flow; C = Continuous; D = Down to 0; V = Yapor	10:			 		
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	15:			-		
INTERMEDIATE SAMPLE TAKEN?	<u> </u>					
Yes No Gas Liquid	20:					İ
Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	25.					
Other: (describe)	30:	_		 		
Sample cylinder number:	<u> </u>			<u> </u>		
	Note in	stantane	ous Intermediate	Casing PSIG at	end of test:	>
18. Comments:						
19. STEP 5: See instructions above.						
I hereby certify that the statements made in this form are,	to the best	of mv k	nowledge. In:	e, correct, ar	nd complet	e .
Test Performed by:						
Signed: Million It I I Title:						
Signed: // Remarks Ide:		•				
WITNESSED BY: Title: _			Ag	ency:		

State of Colorado 17 Oil and Gas Conservation Commission



FOR DECC USE DALY

TTYLLLINGSIG STORES, SULLI	. DD 1 December Colorado RO	2013 I 3013) RMA 2	71 LIEL Par 1.9E.L	11 894 21		ł		
	801, Denver, Colorado 803 BRADENHEAD			2,05421		-		
	and the same of the same					۱		
Skep 2. Sample now, it intermeds Blan 3. Conduct Braderheed test	f RM Ct Affethor carellift bussesse	>25 psl. in sensit	WE BYONE, 1 PEL			<u> </u>		
Step 4. Conduct Intermediate CM Step 5. Send report to BLM with	ung bett. 1 30 days and to OGCC within orniguration has changed sinc	10 days. Include:	welltoons diagram	n if not pre	wouldy see if sampled.			
submitted or F westpore C	ormodrador has clarique and					11. Date of T	est: [() - 3	1-06
1. OGCC Operator Number.								
Name of Operator: API Number:	85	5. Multiple con		Yes	No		us: 🔲 Flowing	- =
5 Well Name: UPRR	62 PANAM		or. # 1			Clock/inte	rmitter	
7. Location (CitrOtr, Sec. To			$\frac{1}{1}\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac{1}{4}$	1.3./V	R 6541	Plunger L	ift f Casing Strin	
8. County: NC	9. Fi		, ,, _ , , _ , _ , _ , _ , _ , _ , _ , 			Two	☐ Three	Liner?
14.	STEP 1: EXISTI	NG PRESSU	RES					
Tubing:	Total Control		Intermed	liate	Surface	15.		
Record all pressures as	140	180	Ceg:		Casing:	STEP 2: 5	See instructio	ons above.
found Fm:	FM: JSND	Fm:	JS <u>V</u>	D				
16.		STEP 3: BI	RADENHE	ND TES	iT			
Buried valve? Yes	No Confirmed open?	Yes No	Elepsed Time	Fm:	Fm:	Production	Intermediate	Bradenhead Flow:
With gauges monitoring pr		_	(Min:Sec)	Tubing.	Tubing	Casing PSIG	Casing PSIG	Piow:
funion consequent CDAD BUT	rece casing infacionne	KOT VALIVE IN	,			<u> </u>		<u> </u>
no intermediate casing, mo tubing pressures.) Record		B IIDDI VAID.	05:	1				
Define characteristics of ficusing letter designations be	אינים משפחת שם עולים או זאנ	r column	10:				 	
D = No Flow; C = Continu	rous; D = Down to 0;	V = Vapor	'			<u> </u>		
H = Water H2O; M = Mud;		go; G=Gas	15:					
BRADENHEAD SAMPLE TAY	KEN?	Liquid	20:	 		 	_	
Character of Bradenhead fie	uid: Clear 🔲	Fresh	1			ļ. <u> </u>		
Sulfur Salty	☐ Black		25:					ľ
Other: (describe)			30:	 				
Sample cylinder number:			<u> </u>	<u> </u>	i	<u> </u>	<u>L</u>	
			.	Note insi	tantaneous Brade	enhead PSIG at	end of test:	<u> </u>
17.	STE	P 4: INTERI	MEDIATE C	ASING	TEST			
Buried valve? Yes	No Confirmed ppen?	Yes No	Elepsed Time	Fm:	Fm:	Production	Intermediate	Intermediate
1 —			(Min:Sec)	Tubing.	Tubing:	Casing PSIG	Casing PSIG	Flow
With gauges monitoring properties intermediately	rediate casing valve. R	ecord						
pressures at five minute in "Intermediate Flow" column	tervals. Characterize %	OW ID	05:					
			1	1		1		Į.
	D = No Flow; C = Continuous; D = Down to 5; V = Yapor		10:			<u> </u>		<u> </u>
H = WMMP M2U; M = MUG;	W=Whisper; S=Bur							
	W = Whisper; S = Sur		10:					
INTERMEDIATE SAMPLE TA	W = Whisper; S = Sur							
	W = Whisper; S = Bur KEN? Gas	ge; G =Gas	15:					
INTERMEDIATE SAMPLE TA	W = Whisper; S = Bur KEN? Gas	ge: G =Gas	15:					
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fi	W = Whileper; S = Burn KEN? Gas uld: Clear	ge: G =Gas	15:					
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fi	W = Whileper; S = Burn KEN? Gas uld: Clear	ge: G =Gas	15: 20: 25: 30:					
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fi Sulfur Salty Other: (describs)	W = Whileper; S = Burn KEN? Gas uld: Clear	ge: G =Gas	15: 20: 25: 30:	stantane	ous intermediate	Cesing PSIG a	t end of test	-
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fi Sulfur Salty Other: (describs)	W = Whileper; S = Burn KEN? Gas uld: Clear	ge: G =Gas	15: 20: 25: 30:	stantané	ous Intermediate	Cesing PSIG a	t end of test	>
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fit Sulfur Salty Other: (describs) Sample cylinder number:	W = Whileper; S = Burn KEN? Gas uld: Clear	ge: G =Gas	15: 20: 25: 30:	stanta ne	ous Intermediate	Cesing PSIG a	t end of test	>
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fi Sulfur Salty Other: (describs) Sample cylinder number:	W = Whileper; S = Burn KEN? Gas uld: Clear	ge: G =Gas	15: 20: 25: 30:	stanta no	ous Intermediate	Cesing PSIG a	t end of test	>
tNTERMEDIATE SAMPLE TA Yes No Character of Intermediate fill Sulfur Selty Other: (describe) Sample cylinder number: 18. Comments:	W = Whisper; S = Bur KEN? Gas uid: Clear 1	ge: G =Gas	15: 20: 25: 30:	stanta ne	ous Intermediate	Cesing PSIG a	t end of test	>
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fit Sulfur Salty Other: (describs) Sample cylinder number:	W = Whisper; S = Bur KEN? Gas uid: Clear 1	ge: G =Gas	15: 20: 25: 30:	stanta no	ous Intermediate	Cesing PSIG a	t end of test	>
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fit Sulfur Salty Other: (describs) Sample cylinder number: 18. Comments:	W = Whisper; S = Bur KEN? Gas uid: Clear 1 Black	G =Gas	15: 20: 25: 30: Note in					
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fit Sulfur Salty Other: (describs) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions in the second part of t	W = Whisper; S = Burk KEN?	G =Gas Liquid Fresh his form are,	15: 20: 25: 30: Note in	of my k	nowledge, tru	e, correct, a	nd complet	
INTERMEDIATE SAMPLE TA Yes No Character of Intermediate fit Sulfur Salty Other: (describs) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions in the second part of t	W = Whisper; S = Burk KEN?	G =Gas Liquid Fresh his form are,	15: 20: 25: 30: Note in	of my k	nowledge, tru	e, correct, a	nd complet	
tNTERMEDIATE SAMPLE TA Yes No Character of Intermediate fill Sulfur Selty Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions in the self self self self self self self sel	W = Whisper; S = Burk KEN? Gas Lid: Clear 1 Black ctions above. statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statements made in the statement made in t	Liquid Freeh his form are, Title:	15: 20: 25: 30: Note in	of my k	nowledge, tru	e, correct, a none:	nd complet	ie.

State of Colorado Oil and Gas Conservation Commission

FOR OGCC USE ONLY

Rev 8/00	Oil and G	ias Conserva , Denver, Colorado 802	110N UOMI 03 (303) 894 2	MISSION 2100 Fax: (30)) 894-21				
1120 LINCO	BR.	ADENHEAD	TEST R	EPORT					
Step 1. Record of									
Step 3. Conduct E Step 4. Conduct in	Bradenhead test. ntermediate casing to	est.	48 days inchida		a if not nee	wirestly			
Step 5. Send repo submitted	or I welbon configu	lays and to OGCC within tration has changed since	pnor program. A	stach gas and in	land mussys	see if sampled	<u> </u>		
1. OGCC Ope	nator Number:			•			11. Date of T	rest: 10 - 3	1-00
2. Name of O	133-0-3		5. Multiple con	_ 3. BLM Lev			9	us: Flowing	
4. API Numbe	ic <u>() 13 19</u> Gardan	TUCKEN FOR	s. Munipie con <u>171</u> S. Numbi	er. Post	11		Gas Lift Glock/inte	Pumping smitter	Injection
7. Location (C	StrOtr, Sec. Twp, R	ing, Meridian), <u>S</u>	PF 750	ع 1O - اد	2 <u>N</u> £	7/07 LA	L Stunger L		
1	weld	9. Fit State Fede	eid Name: cui				13. Number o	of Casing Strin	gs: Liner?
10. Minerals:	Fee L	STEP 1: EXISTIN			_				
	Tubing: Tubing: Prod. Casing:		intermed	Intermediate S		15.			
Record all pressures as		100	180	Cag:		Casing:	STEP 2:	See instruction	ons above.
found	Fm:	FM: JSND	Fm: JSA)			$\alpha \cup$			
16.			STEP 3: BI	RADENHE	D TES	T			,
Buried valve?	Yes No	Confirmed open?	Yes No	Elapsed Time (Min:Sec)	_	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
With gauges m	nonitoring produc	tion, intermediate o	asing and	00:	Tubing	Tubing		 	
tubing pressure	es, open surisce	casing (pracerance	n casing and	05:	ļ			 	<u> </u>
1 & . Line	\ . O & A A THE INTER	seures at five minut "Bradenhead Flow	B II NDI YAIS.	1 55.				<u> </u>]
using letter des	signations below C = Continuous	:	V = Vapor	(O:	1				
D = No Flow; H = Water H2O;		- Whileper; 8 = Sur		15:				 	
BRADENHEAD	SAMPLE TAKENT	,] <u></u>	<u> </u>			 	
☐ Yes	□ No	Gas	Liquid	20:	1				
1 —	radenhead fluid:	☐ Clear ☐☐ Black	Fresh	25:	ļ	_			
Suffur				30:	ļ <u>. </u>		_	 	
Sample cylinder								<u> </u>	
				}	Note ins	iantenaous E	Iradenhead PSIG a	t end of test:	>
		ete	P 4: INTERI	MEDIATE (ASING	TEST		 _	
17.		Confirmed open?		Elepsed Time	Fm:	Fm:	Production	intermediate	Intermediate
1			J	(Min:Sec)	Tubing.	Tubing	Casing PSIG	Casing PSIG	Flow
DIRECTIONS DO	on the intermedia	ction casing and tub ste casing valve. Re	ecoro						
CHARLINGS AT TH	ve minule intervi	als. Characterize fix ing letter designatio	OW IN	05:				1	
	C = Continuous		V = Vapor	10:	 			 	
D = No Flow; H = Water H2O;		Whisper; 8 = Sun	ge; G=Gas					<u> </u>	
	DALLES E TAMEN	3	 -	15:		- 1		1	
INTERMEDIATE	SAMPLE TAKEN No	Gas	Liquid	20:	<u> </u>				
Character of In	termediate fluid:		Fresh	25:	 	_ -		 	 -
Sulfur		☐ Bleck							ļ
Other: (de			<u>. </u>	30:					
Sample cylinder				Note in	eta nte ne	ous Intermed	diste Casing PSIG I	at end of test:	>
				1 """					<u></u>
18. Comment	ls:								
		<u></u>							
19. STEP 5:	See instruction	ns above.							
		ements made in t	his form are	to the best	of mv 4	mowledge	, true, correct. s	and comple	te.
•	•						_ Phone:		
Test Performe		1.0					Date: /C		
Signed:	Ulletin W.	Je_ y'	Title:	20 7 7 K	⊖/- j	*	Date:		
WITNESSED	BY:		Title:				_Agency:		

17 Rev 8/99

State of Colorado

OIL S

FOR DECC USE ONLY

Dil and Gas Conservation Comm	nission	1 R94-210		18Kg			
BRADENHEAD TEST RE	PORT						
Risep 1. Record all tubing and casing pressures as found. Step 2. Semple now, it intermediate or surface casing pressure >25 pel. In sensiti Step 3. Conduct intermediate casing test. Step 4. Conduct intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days include a submitted or if welloors configuration has changed since prior program. A	ve eress, 1 per	if not pre-	valually	voled			
aubmitted or if wellbore configuration resiscatinged since provides	SECTOR RECORD			<u> </u>	11. Date of Te	st: () / 3	1/04
1 OGCC Operator Number: 2 Name of Operator: 100 100 100 100 100 100 100 100 100 10	• •	ne No: _) Yes 【	-	ليا <u>دا ها</u>	12. Well Status Gea Lift Glock/Inter Clock/Inter	Pumping mitter	
7. Location (Otrotir, Sec. 1 Mp., Ring, eventuer). 8. County: 9. Field Name:	ع ليا ج	1.24			13. Number of		£: Liner?
10. Minerals: Fee State Federal Ind. 14. STEP 1: EXISTING PRESSU	<u> </u>						
Tubing: Tubing: Prod. Casing:	Intermed	ikte	Surfac	_	15.		
Record all pressures as found Fm: Fm: AIR-CD Fm: AI	Ceg:		Casing:		STEP 2: 5	ee instructio	ns above.
16. STEP 3: BI		D TES	T T		<u> </u>		
Buried valve? Yes No Confirmed open? Yes No	Elapsed Time	fm:	F	m:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
NAME and a monitoring production intermediate casing and	(Mirt:Sec)	Tubing	17	ubing:	3.2.3		
tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column	05:		-				-
using letter designations below:	10:	-			 		
O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Wster H2O; M = Mud; W = Whisper; B = Surge; G = Ges	15:				 		
BRADENHEAD SAMPLE TAKEN?	20:		-		+		
Character of Bradenhead fluid: Clear Fresh	25:		-		<u> </u>		
Sulfur Salty 1 Black Other: (describe)	30:		-		<u> </u>	<u> </u>	
Sample cylinder number:	<u> </u>	l			<u> </u>		
	<u> </u>	Note ins	tentane	ous Brade	nhead PSIG at	end of Yest:	
17. STEP 4: INTER					12	Intermediate	Intermediate
Buried valve? Tes No Committee about No	Elepsed Time (Min:Sec)	Fm: Tubing.		m: 'ubing:	Production Casing PSiG	Casing PSIG	Flow
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:				1		
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:						
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:						
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	15:		-			-	
INTERMEDIATE SAMPLE TAKEN?	20:	 					
Character of Intermedista fluid: Clear Fresh	25:	 	-				-
Sultur Salty Slack	30:	 	_		 		
Sample cylinder number:	Ī	<u> </u>			<u> </u>		
	Note i	estantare	eous ini	ermediate	Casing PSIG a	t end of test	>
18. Comments:							
							
19. STEP 5: See instructions above.							
I hereby certify that the statements made in this form are							te.
Test Performed by: Title:	· Dear.	STAGA.	7 T	P	hone: ate:	71-06	
	יין טן כ				gency:		
					o1'		

POR DECC USE ONLY

Raw drops	Oil and G	as Conserva , Denver, Colorado 80	ation Comm	NISSION 100 Fee: 1303	1 894-21		'		
1120 Lincol		DENHEAD					_		
Step 1. Record all lubring and casing pressures as found. Step 2. Sample now, if intermediate or surface clasing pressure >25 pel. In sensitive areas, 1 psu									
Step 2. Sample now, if intermediate or surrace casing presents 220 per. In exhaust a news, year. Belp 3. Conduct indemndate casing test. Belp 4. Conduct intermediate casing test. Belp 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbors diagram if not previously. Belp 5. Send report to BLM within 30 days and to OGCC within 10 days.									
		eys and to OGCC within ration has changed sine	n 10 days. Include v ce pnor program. Al	relibors diagram tech gas and bo	of not pre-	viously see if sampled.	J <u></u>		
1. OGCC Operator Number:							11. Date of To	est: 10/.	31/06
2. Name of Operator:							12. Well Statu		
4. API Number: 23.298 5. Multiple completion? Yes No. 16. Well Name: 344.401.40E Number: #3.50							- Clock/Inte	Pumping rmitter	injection in
7. Location (OtrOtr., Sec., Twp., Rng., Meridian): NWNW Sec. 5012N RC8W						Plunger Li	ħ		
8. County: Ne State 9. Field Name: (714) A						13. Number o	Casing String Three	gs: 1.iner?	
14. STEP 1: EXISTING PRESSURES									
Record all	Tubing:	Tubing:	Prod. Casing:	Intermed	linte	Surface	15.	_	
pressures as		32 C	400	Cag:	ĺ	Casing:	STEP 2: 5	ee instruction	ons above.
Iourki	Fm:	FMCUDL	Fm:CODU				<u></u>		
16.			STEP 3: BF				12.1	V	In-4
		O		Elepsed Time (Min:Sec)	fm: Tubmg	Fm: Tubing:	Production Ceang PSIG	Intermediate Casing PSIG	Bradenhead Flow:
I white seesalt	ぬき ヘスタス ないげきごう	tion, intermediate casing (bradenhe	BOOT ANIAR IN	00:					
no intermediate	te casing, monitor	ronly the product	on casing and ite intervals.	05:	 			 	-
I Define charact	teristics of flow in signations below	-Auscenteschio	w" column	10:	 			 	
O = No Flow;	C = Continuous	D = Down to 0;	-	_					ļ
	; M = Mud; W =	Whisper; B = Su	rrge; G =Ges	15:					
BRADENHEAD Yes	No	☐ Gas	Liquid	20:	<u>†</u>				
Character of B	radenhead fluid:	_	Fresh	25:	-		_ 	 	
Suttur	☐ Salty	Black		30.	ļ			_	
Other: (d				30:					
Sample Gyandes	Semple cylinder number:				Note ins	tentaneous Brac	denhead PSIG of	>	
			EP 4: INTERI	MEDIATE C	ACINIC	TEST	<u> </u>		'-
17.				Elepsed Time		Fm:	Production	Intermediate	Intermediate
1		Confirmed open?		(Min:Sec)	Tubing	Tubing	Casing PSIG	Casing PSIG	Flow
Pressures not	en the intermedia	tion casing and tu te casing valve. I	Record					ļ <u>.</u>	
DOMESTICAL INT.	iva minuta intervi	els. Characterize i ing letter designati	now in	05:					
D = No Flow;	C = Continuous			10:	 		-	 	
		Whisper; \$=8u	irge; G=Gas	15:				<u> </u>	
INTERMEDIATE	E SAMPLE TAKEN	7		1					
☐ Yes	☐ No	Gas	Liquid	20.					
Character of In	ntermediate fluid:	☐ Clear ☐ ☐ Black	Fresh	25:	 			-	
Other: (de	_			30:	 			 	
Sample cylinder					L				
				Note in	stantane	ous Intermedial	e Casing PSIG s	il end of test:	>
18. Comment	ts:								
] 									
									 -
40 0755	Pag instruction	ne about							
	See instruction		Abia farm	ia iha basi	m5		nie opwort s	and comple	te
				to the nest	OT MY	u lowieuge. Il	ue, conect, 8	an wanthe	٠
I hereby certi	-								
Test Performe	ed by:		Title:_				Phone:		<u> </u>
Test Performe	-						Phone:		

FORM

State of Colorado

POR DECC USE ONLY

17 Dil and Gas Conservation Comp	nissinn		173.0/10/			ļ
Dil and Gas Conservation Comn	100 Fax: (303	894-2109	MINES !			
BRADENHEAD TEST RE		•				
Step 2. Sample now, if intermediate or surrece casing pressure zar por. In control to the Step 3. Conduct Bradenteed test.						
Step 4. Conduct Intermediates casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include a submitted or it wetbore configuration has changed since prior program. All	velibore diagnism sech gas and liq	if not previous and enalyses	outly s it sampled.			
				11. Date of Te	at: 1012i	1010
OGCC Operator Number: Name of Operator:	3. BLM Les	sa No:		12. Well Statu		
4 API Number 100 7 5. Multiple com	pletion?	Yes 🗆] No		Pumping	
6. Well Name: UPRR 43-PAN AM "W Number	_			Clock/Inter		
7. Location (OtrOtr, Sec, Twp, Rng, Meridian): SUSW Sec. 8. County: WELL 9. Field Name: (11 JA	//_h(53W	13. Number of		s :
10. Minerals: X Fee State Federal Indu		Three	Liner?			
14. STEP 1: EXISTING PRESSUR	RES					
Record all Tubing: Tubing: Prod. Casing:	Intermed		Surface	15.		
pressures as 180 400	Cag:		Cassing:	STEP 2: S	ee instructio	ns above.
found Fm: Fm: J-CDL Fm: J-CD	<u></u>	1	<u>امر</u>			
16. STEP 3: BF	RADENHEA	D TEST				
Buried valve? Yes No Confirmed open? Yes No		Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
1884	(Min:Sec)	Tubing	Tubing	Case of Local	Cataly , oro	
tubing pressures, open surface casing (braderness) valve (i						_
no intermediate cash, including the minute intervals. Define characteristics of flow in "Bradenhead Flow" column	05:			İ		
using letter designations below:	10:			- 		
D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; B = Surge; G = Gas						
BRADENHEAD SAMPLE TAKEN?	15:			1		
Yes No Gas Liquid	20:		<u> </u>			
Character of Bradenhead fluid: Clear Fresh	25:					
Sulfur Salty Black	1			_		
Other: (describe)	30:					
Sample cylinder number:	ļ	L	,I			
		Note insta	ntarreous Brade	mhead PSIG at	end of rest.	
17. STEP 4: INTERI	MEDIATE C	ASING	TEST			
Buried vs/ve? Yes No Confirmed open? Yes No	Elepsed Time (Min:Sec)		Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
With gauges monitoring production casing and tubing	00:	Tubing:	Tubing			
VVK. Gandes House High house				1		
pressures, open the intermediate casing valve. Record						
pressures at five minute intervals. Characterize now in	0 5:			<u> </u>	· · · · · · · · · · · · · · · · · · ·	
pressures at five minute intervels. Characterize now in "Intermediate Flow" column using letter designations below:	05: 10:					
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	10:					
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: D = No Flow;						
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:					
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN?	15:					
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mlud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	10: 15: 20:					
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mlud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Slack Other: (describe)	10: 15: 20:					
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: D = No Flow;	10: 15: 20: 25:			Casing BSICs		
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mlud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Slack Other: (describe)	10: 15: 20: 25:	stantaneo	us Intermediate	Casing PSIG a	t end of test	>
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mlud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Slack Other: (describe)	10: 15: 20: 25:	istantane o	us Intermediate	Casing PSIG a	t end of test	>
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mind; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Ciser Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	10: 15: 20: 25:	stantaneo	nus Intermediate	Casing PSIG a	t end of test	>
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mind; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Ciser Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	10: 15: 20: 25:	astantane o	us Intermediate	Casing PSIG a	t end of test	,
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mlud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	10: 15: 20: 25:	stantaneo	us Intermediate	Cesing PSIG a	t end of test	>
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mlud; W = Whisper; S = Surge; G = Gas. INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of intermediate fluid: Clear Fresh Sulfur Salty Slack Other: (describe) Sample cylinder number: 18. Comments:	10: 15: 20: 25: 30: Note in					>
pressures at five minute intervals. Characterize now in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mlud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	10: 15: 20: 25: 30: Note in		nowledge, tr	зе, correct, a		>
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mlud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	10: 15: 20: 25: 30: Note in	of my kr	nowledge, tr	ie, correct, a	nd comple	te.

I hereby certify that the statements made in this for	m are, to the be	st of my knowledge	E.	
Test Performed by:	Title:		_ Phone:	
Signed: Millian Wardan	Title: 5784	(28.075.07)	Date: 10 31-05	
WITNESSED BY:	Title:	·	_Agency:	

WITNESSED BY: ______ Title: _____

_____ Agency: ____

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Rev 8/90	Oil and G	as Conserva Denver, Colorado 802	tion Comm	Rission 100 Fex: (303)	894-2109	L'NELS			
1120 Lincol	BRA	DENHEAD	TEST RE	PORT					
Step 2. Semple n Step 3. Conduct E Step 4. Conduct I	tucing and casing pre ow, if intermediate or s tradenheed test. ntermediate casing tas	saures de tound. urface casing pressure :	>25 psl. in sensitiv	e areas, 1 per	f not previo	nusly			
- Lubmitted	or if wellbore compan	ation has changed aircs	proposition and	21,000 011 -41			11. Date of Te	st: 10/2	100
1. OGCC Ope 2. Name of O	perstor: KVV	\		3. BLM Lee	e No: _		12. Well Statu	127.3	
4. API Numbi		$\frac{5}{2}$ $\frac{1}{6}$ $\frac{1}{2}$	5. Multiple comp	, ,	Yes 🛄	No	Gas Lift Clock/Inter	Pumping miller	Injection
6. Well Name 7. Location (C	THUISTY	ng, Meridian): 5 U		و ديک	2 1 2	N ROSU	Plunger Lit	١	
8. County: 9. Field Name: (14/A)							13. Number of Two	Casing String Three	s: Liner?
10. Minerals:	X Fae L	TEP 1: EXISTIN							
	Tubing:	Tubing:	Prod. Casing:	Intermed		Surface Casing:	15.		
Record all pressures as found	Fm:	SSO FM:JSND_	360 FM(JSN)	_	L i	280_	STEP 2: S	ee instructio	ns above.
16.			STEP 3: BR	ADENHEA	D TEST				
Buried valve?	Yes No	Confirmed open?	Yes No	Elepsed Time (Min:Sec)	Fm:	Fm:	Production Casing PSiG	Intermediate Casing PSIG	Bradenhead Flow:
With gauges n	nonitoring product	tion, intermediate o	casing and	00:	Tubing	Tobing			
		casing (bradenhea only the production sures at five minuted		05:			-	-	
Define chared	teristics of flow in signations below:	*Bradenhead Flow	column -	10:					
D = No Flow;	C = Continuous;		V = Vapor						
	; M = Mud; W = SAMPLE TAKEN?	Whisper; 5 = Sur	ge; G =Gas	15:					
Yes	□ No	☐ Gas	Liquid	20:					
Character of B		Clear 🔲	Fresh	25:			 		
Sulfur	Salty	Black		30:					
Other: (c		 						L	
					Note insta	nteneous Brade	enhead PSIG at	end of test:	 >
17.		STE	P 4: INTER	AEDIATE C	ASING	TEST			
	Yes No	Confirmed open?	Yes No	Elepsed Time (Min:Sec)	1	Fm:	Production Casing PSiG	Intermediate Casing PSIG	Intermediate Flow:
With nations (monitorina produc	tion casing and tul	bing	00:	Tubing:	Turbing:			-
pressures, op	en the intermedia ive minute interva	te casing valve. K is. Characterize fi	lecord	05:	ļ <u>.</u>				
"Intermediate	Flow" column usi	ng letter designation	ons below:						
O = No Flow; H = Water H2O	C = Continuous;	D = Down to 0; Whisper: S = Su	V = Vapor rge: G =Gas	10:					
				15:					
INTERMEDIAT	E SAMPLE TAKEN?	? [] Ges	Liquid	20:				-	1
Character of I	ntermediate fluid:	=	Fresh	25:	ļ		+	-	-
Sulfur	Salty	Black		30:					
Other: (d				130.				<u> </u>	
				Note in	istantaneo	us Intermediate	Casing PSIG s	t end of test	>
18. Commer	nts:								
					·				
						·			
ID OTED :	See instruction	ns above							
		ements made in t	this form are	to the hest	of mv kr	nowledge, tr	ue, correct. a	ind comple	te.
I nereby cen Test Perform		milensa mede iki		to the best			hone:	· 	
rest renomi M.	attro V	1 ()	Title: '				hate:	j1 ∈4.	
Signed: <u>III</u> I	114172 A	10 K		2157	2 (#B)		, <u>, , , , , , , , , , , , , , , , , , </u>		

FORM

State of Colorado

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FOR DGCC USE ONLY

Dil and Gas Conservation Comm	nission		LXV SH.S				
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2	100 Fex: [303]	894-21	09	_			
BRADENHEAD TEST RE	PORT						
Step 1. Record all tubing and cissing pressures as found. Step 2. Sample now. It intermediate or surface casing pressure >25 pel. In sensitiv Step 3. Conduct Bradenhead test.	ru areas, 1 psi						
Step 4. Conduct Intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include a submitted or it welloons configuration has changed since prior program. All	relibors diagram tach gas and liq	if not pre aid analys	vicusiy ses if sampled				
1 OGCC Operator Number:				11. Date of Te	st: 10/3	1/00	
2. Name of Operator: KM	3. BLM Leas		□No	12. Well Statu		_	
4. API Number: 5555 5. Multiple com		Yes		Clock/Inter		Injection	
7. Location (CtrCtr, Sec, Twp, Rng, Meridian): Sign Number of Casing							
8. County: 9. Field Name: (7	Three	Liner?					
14. STEP 1: EXISTING PRESSUI	RES						
Record all Tubing: Tubing: Prod. Casing:	Intermedi Csg:	Ale	Surface Casing:	15.			
pressures as	, Sag.			STEP 2: S	ee instructio	ons above.	
FIII. JWSCIAJWSC	<u> </u>			<u> </u>			
16. STEP 3; BF	T			Production	Intermediate	Bradenhead	
Buried valve? Yes No Confirmed open? Yes No	(Min:Sec)	fm Tubing	Fm: Tubing:	Casing PSIG	Casing PSIG	Flow:	
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if	00:						
no intermediate casing, monitor only the production casing and	05:					<u> </u>	
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10:			 		- -	
D = No Flow; C = Continuous; D = Down to 0; V = Vapor							
H = Water M20; M = Mud; W = Whieper; S = Surge; G = Gas BRADENHEAD SAMPLE TAKEN?	15:						
Yes No Gas Liquid	20:						
Cheracter of Bradenhead fluid: Clear Fresh	25:		_	-			
Sulfur Safty Black	30:		_			 	
Sample cylinder number:		<u> </u>		<u> </u>	<u> </u>	_	
	<u> </u>	Note ins	tantaneous Brad	enhead PSIG at	end of test:	>	
17. STEP 4: INTERI	,	ASING	S TEST				
Buried valve? Yes No Confirmed open? Yes No	Elspeed Time (Min:Sec)	Fm: Tubing:	fm: Tubing	Production Casing PSIG	Intermediate Caung PSIG	Intermediate Flow:	
With gauges monitoring production casing and tubing	00 :						
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:					-	
	10:						
D = No Flow; C = Continuous; D = Down to u; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:			 			
INTERMEDIATE SAMPLE TAKEN?	20:				<u> </u>		
			1_		<u> </u>		
Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	25:						
Other: (describe)	30:			+	-	1	
Sample cylinder number:			↓			 	
	Note #	stantan	eous Intermediate	Casing PSIG a	nt and of test	>	
18. Comments:	<u> </u>						
							
19. STEP 5: See instructions above.							
I hereby certify that the statements made in this form are,	to the best	of my	knowledge, tr	ue, correct, a	and comple	te.	
Test Performed by: Title:				hone:			

I hereby certify that the statements made in this fo	rm are, to the best of my knowledge	, true, correct, and complete.
Test Performed by:	Title:	_ Phone:
Signed: Mitthew Line	Title: STATT hoog, ST	Date: 10 × 31 × 9 €
WITNESSED BY:	Title:	_ Agency:

POR DGCC USE ONLY

\ •••• ••• / Itil and Gas Conservation Comm	nission		IXI BUS	1			
Oil and Gas Conservation Comn	100 Fax: (303	894-210	19 PAGAS				
BRADENHEAD TEST RE	PORT						
Step 1. Record all tubing and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >25 pai. In sensiting	re areas, 1 ps.						
Step 3. Conduct Bradenhead test. Step 6. Conduct Intermediate casing test. Step 6. Send report to BLM within 30 days and to OGDC within 10 days. Include it		foot name	-orati				
Step 5. Send report to SLM within 30 days and is Cock within to days submitted or if wellbore configuration has changed since prior program. At	tech gas and lo	ad analys	paid sampled				
1. OGCC Operator Number:				11. Date of To	sst:]()/3	100	
2. Name of Operator: KW 4. ADI Number () TGOG	3. BLM Lea 	<i>.</i> =		12. Well Statu			
4. API Number: 07909 5. Multiple com 6. Well Name: 128802 PAN AM "C" Number		Yes L		Gas Lift Clock/Inter	Demping	Injection	
7. Location (QtrQtr, Sec. Twp, Rng. Meridian):	<u>BT2</u>	\overline{N} R	65 W	Plunger LI	n		
8. County: 9. Field Name: 9.				13. Number of	Casing String Three	Liner?	
10. Minerals: Fee State Federal India 14. STEP 1: EXISTING PRESSUR							
Tubing: Tubing: Prod. Casing:	intermed	ate	Surface	16.			
Record all pressures as	Cag:		Casing:	STEP 2: 5	ee instructio	ns above.	
found Fm: Fm: J-W L Fm: J-CD	L	l					
16. STEP 3: BF	ADENHEA	D TES	T				
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time (Min:Sec)		Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:	
tacts source expitoring production intermediate casing and	(Min:Sec)	Tubing	Tubing	Case of Ford	Casing : Gio		
tubing pressures, open surface casing (prademinesu) valve (ii							
tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column	05:						
using letter designations below:	10:			- 			
D = No Flow; C = Continuous; D = Down to 0; Y = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Ges	15:			 		- <u>-</u>	
BRADENHEAD SAMPLE TAKEN?					ļ. <u>. </u>		
Yes No Gas Liquid	20:					i	
Character of Bradenhead fluid: Clear Fresh	25:			<u> </u>			
Sulfur Setty Black Other: (describe)	30:			 			
Sample cylinder number:				<u> </u>			
		Note inst	antaneous Brade	enhead PSIG at	end of test:	>	
Note instantaneous Bradenhead PSIG st end of test: >							
STED 4: INTERI	AFDIATE C	ASING	TEST				
17. STEP 4: INTERI	T	ASING	TEST	Production	Intermediate	Intermediate	
Buried vs.lve? Yes No Confirmed open? Yes No	Elepsed Time (Mirr:Sec)			Production Casing PSIG	Intermediate Casing PSIG	intermediate Flow	
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures poen the intermediate casing valve. Record	Elepsed Time	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in	Elepsed Time (Mirr:Sec)	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No Vith gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	Elepsed Time (Mm:Sec) 00:	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in	Elepsed Time (Mirr.Sec) O0: O5:	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No Vith gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whitsper; S = Surge; G =Gas	Elepted Time (Mirr Sec) 00:	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No Vith gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor	Elepsed Time (Mirr.Sec) O0: O5:	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whitaper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh	Elepsed Time (Mirr Sec) 00: 05: 10:	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black	Elapsed Time (MirrSec)	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No Vith gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow;	Elapsed Time (Mirr Sec)	Fm:	Fm:				
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Black	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30:	FmTubing	Fm:Tubing:	Casing PSIG	Ceeing PSIG	Flow	
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow;	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30:	FmTubing	Fm:	Casing PSIG	Ceeing PSIG	Flow	
Buried valve? Yes No Confirmed open? Yes No Vith gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow;	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30:	FmTubing	Fm:Tubing:	Casing PSIG	Ceeing PSIG	Flow	
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow;	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30:	FmTubing	Fm:Tubing:	Casing PSIG	Ceeing PSIG	Flow	
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow;	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30:	FmTubing	Fm:Tubing:	Casing PSIG	Ceeing PSIG	Flow	
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow;	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30:	FmTubing	Fm:Tubing:	Casing PSIG	Ceeing PSIG	Flow	
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow;	Elepsed Time (Mirr Sec) 00: 05: 10: 15: 20: 25: 30: Note in	Fm: Tubing:	Tubing:	Casing PSIG	Ceeing PSIG	Flow	
Buried valve? Yes No Confirmed open? Yes No Vith gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Dewn to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30: Note in	Fm: Tubing:	ous Intermediate	Casing PSIG a	t end of test:	Flow	
Buried valve? Yes No Confirmed open? Yes No Vith gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Dewn to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30: Note in	Fm: Tubing:	ous Intermediate	Casing PSIG a	t end of test:	Flow	
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whitaper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	Elepsed Time (MirrSec) 00: 05: 10: 15: 20: 25: 30: Note in	Fm: Tubing:	ous Intermediate	Casing PSIG a	t end of test:	Flow	

17 Rev 6/90

State of Colorado Dil and Gas Conservation Commission



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Non SAND	Oil and G	as Conservatio	n Comn	nission	1004 21	NO LANGUE			
1120 Lincoln		Denver, Colorado 80203			1034-21		-		ļ
Step 1. Record all h)		
Step 3. Conduct Bre Step 4. Conduct Inte	ethidata casing tas		me lockels o		if not pre uid isnalyi	violatly see if sampled.			
1. OGCC Open							11. Date of To	nst: 10/3	100
2. Name of Opt	arator: KW	<u> </u>		3. BLM Lea			12. Well Statu	s: Flowing	
4. API Number: 5. Well Name:		19-4	Multiple com Numbe		Yes		☐ Gas Lift ☐ Clock/Inter	Dumping	Injection
7. Location (Ott	rOtr, Sec. Twp. Ri		- .	ec04	TQ	V Ries W	Plunger LI	n	
8. County: \(\frac{1}{2} \)	KI Foo	9. Field N	lame:(' Indi	IWA_			13. Number o	Casing String Three	© Liner?
10. Millerais: 7	U. Williams. A 190 December 200								
Record all	Tubing:		od. Casing:	Intermed	iate	Surface	15.		
pressures as		10	510	Ceg:		Casing:	STEP 2: 5	ee instructio	ns above.
Iddid	Fm:	FM: JNSCD FM					<u> </u>		
16.				RADENHEA			Daniel mark and	Intermedula	Bradenhead
Buried valve?		Confirmed open?		Elepsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Production Casing PSIG	Casing PSIG	Flow:
I to this a process real	- ARAB EUMÉROS	ion, intermediate casii casing (bradenhead) v		00:					
no intermediate	casing, monitor	only the production ca sures at five minute in	asing and tervals.	05:	-		 	<u> </u>	
Define character	ristics of flow in gnations below:	Bradenhead Flow* co	nmuic	10:	-				
D = No Flow;	C = Continuous;	D = Down to 0; Whisper; B = Surge;	V = Vapor G =Gas						
BRADENHEAD S		THE PART OF CO. ST.		15:					
☐ Yee	□ No _	Gas [Liquid	20:					
1 —	idenhead fluid:		sh	25:	·				
Sulfur Other: (dec	Salty .	Black		30:	ļ		 		
Sample cylinder r									
					Note ins	tantaneous Brade	enhead PSIG at	end of test:	<u>} </u>
17.		STEP 4	: INTERI	MEDIATE C	ASING	TEST			
Buried valve?]Yes No (Confirmed open? Ye	No	Elepsed Time (Min:Sec)	Fm: Tubing.	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
With gauges mo	onitoring product	tion casing and tubing te casing valve. Reco	nd	00:					
pressures at five	e minute interva	is. Characterize flow in the letter designations in the letter designations in the letter designations in the letter designations in the letter designations in the letter designation in the letter des	'n	05:					
	C = Continuous;		V = Vapor	10:	 		1	-	
H = Water H2O;	M = Mud; W =	Whisper; 8 = Surge;	G =Gas	15:			 		
1	SAMPLE TAKEN?	Gas 1	Liquid	20:	ļ		 		<u> </u>
Character of Inte	No Mo			1					<u> </u>
Sulfur		Black		25:	i				
Other: (dead				30:					
Sample cylinder r	number:			Alata fr	1	ous Intermediate	Casina PSIG a	t end of test	>
				NO W	HOCOLI ILDII R	1005 1000 1100 1100			L
18. Comments									
	<u></u>								
	See instruction								
I hereby certify	y that the state	ments made in this							
Test Performed	5 by:		Title:_			P	hone:		
Signed:	120 Ver	2 D	Title:	THT (- 413	<u>,655</u> D	ate: 🄼	ge will	
MITNESSED B	IY:	<u> </u>	Title: _			A	gency:		

FOR DECC USE ONLY FORM State of Colorado 17 Dil and Gas Conservation Commission 1.00 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109 BRADENHEAD TEST REPORT Step 1. Record at tubing and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi Step 3. Conduct Bracemberd test. Conduct Informediate cashing test.

Conduct Informediate cashing test.

Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and isquid analyses if a 11. Date of Test: (() / (() / () () 1. OGCC Operator Number: 2. Name of Operator KWA
4. API Number: 0 1 2 3 Ce 5. Well Name: UPRP 49 PAN AM B Number T7. Location (Otrotr See True 12. Well Status: Flowing Shut In 🔲 Gas Lift 🔲 Pumping 🔲 Injection Clock/Intermitter 7. Location (QtrQtr, Sec, Twp, Ring, Meridian): SWSW SCC 11-TSW-RIPTW Plunger Lift 9. Field Name: 12 WA 13. Number of Casing Strings: 8. County: 1/2 / C. 10. Minerals: X Fee Two Three State Federal Indian STEP 1: EXISTING PRESSURES 14. Surface Intermediate Prod. Casing: Tubing: Tubing: Record all 230 Csq: Casing: 230 STEP 2: See instructions above. pressures as Ofound FM COID L Fm: Fm: STEP 3: BRADENHEAD TEST 16 intermediate Bradenhead Buried valve? Yes No Confirmed open? Yes No Elapsed Time Fm Fm. **Production** Casing PSIG Flow Casing PSIG Tubing Tubing With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: N. 10: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whieper; S = Surge; G =Gas 15: BRADENHEAD SAMPLE TAKEN? 20: Liquid Ggs ☐ No Character of Bradershead fluid:

Clear Fresh 25 ☐ Salty ☐ Black Sulfur 30: Other: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. **Production** Buried valve? Yes No Confirmed open? Yes Elepsed Time ☐ No Ceerng PSIG (Min:Sec) Casing PSIG Tubing Tubino With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in Intermediate Flow" column using letter designations below: 10: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas 15: INTERMEDIATE SAMPLE TAKEN? Liquid ☐ Yes ☐ No Gas Character of intermediate fluid:

Clear Fresh 25 Salty Black Sulfur 30 Other: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSIG at end of test: Comments: 18. 19. STEP 5: See instructions above. tifu that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

I peleph celuly may me aratements urage in mis ior	in are,	to the peacet thy knowledge,		
Test Performed by:	Title:	_	_Phone:	
Signed: Mitthen Airder O	Title:	STARE BRANGERY	Date: _	<u> </u>
WITNESSED BY:	Title: .	<u> </u>	Agency	<i>f</i> :

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State of Colorado Oil and Gas Conservation Commission

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_	Oil and G	as Conserva Denver, Colorado 802	[]UI ([]Ui ([]Ui ([]Ui ([]Ui ([]Ui ([]Ui ([]Ui ([]Ui ([]Ui ([]Ui ([]Ui ([]Ui (100 Ev-1303	904.210	, (N87.5	1		
1120 Lincol	n Street, Suite BD1.	DENHEAD	TEST RE	PORT	03-12-10			-		
Georgia Barrella		· · · · · · · · · · · · · · · · · · ·)		
Step 2. Semple no	_{DW.} If intermediate of E lookenhead test.	Ridge cesuid business	>25 psi. In sensity	re areas, 1 ps.						
Step 4. Conduct I	rigimediata catalog 186	t ys and to OGCC within ston has changed sinc	10 days Include w	relibore diagram tech pee and liq	if not pre-	vipusly see if a	empled			
		Edit les changes and						11. Date of Te	st: 167/30	0106
1. OGCC Ope	nator Number: perator:K_V_			3. BLM Lea	se No:			12. Well Status		
A ADI Numbe	r 1105 (u-	2	5. Multiple com		Yes] No	,		L. ☐ Flowing ☐ Pumping	
S Well Name	. API 41	-15	Numbe	HT	<u> </u>	1.1.1	Ruch	Clock/Inter		
7. Location (C	atrotr Sec, Twp, Ri	ng, Meridian): <u>//</u> _	eld Name:	<u>ec 15-</u> WA =	T4.	V V	COG MI	Plunger Lif		s:
8. County: L		State Fede							Three	Liner7
14,		TEP 1: EXIST	NG PRESSU	RES						
Record all	Tubing:	Tubing:	Prod. Casing:	Intermed	a le	Surfi		15.		
pressures as		400	435	Ceg:	ļ	-	25	STEP 2: S	ee instructio	ns above.
found	Fm:	Fm:NB-CD	FM:UB-C	<u> </u>		<u> </u>		-WIN	uter	
16.			STEP 3: BF	RADENHEA	D TES	iT				
Buried valve?	Yes No	Confirmed open?	Yes No	Elepsed Time (Min:Sec)			Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
liasth sousses		tion, intermediate	casing and	00:	Tubing		Tubing:			
lubing pressur	es, open surface	casing (pragenine	on casing and							
		sures at five minu Bradenhead Flov		05:	ĺ					
using letter de	signations below:			10:					-	
O = No Flow;	C = Continuous; M = Mud: W =	D = Down to 0; Whisper; 5 = Su		15:	 					
	SAMPLE TAKEN?		<u></u>	1'*						
☐ Yes	□ No	☐ Gas	Liquid	20:						
Character of B	radenhead fluid:	Clear 🔲	Fresh	25:			<u> </u>			
Sulfur	☐ Salty	☐ Black		***	ļ					
Other: (t				30:						_
Sample cylinde	r number.				Note ins	tanta	neous Brad	enhead PSIG at	end of test:	>
				<u> </u>	==					<u> </u>
17		STI	EP 4: INTERI			3 TE		Production	Intermediate	Intermediate
				Elepsed Time			Fm:			Flow
Buried valve?	Yes 🔲 No	Confirmed open?	Yes No	(Men:Sec)	Fm: Tubing:		Tubing:	Casing PSIG	Casing PSIG	
With nauges o	monitorina produc	tion casing and tu	ibing		_		Tubing:	Casing PSIG	Casing PSIG	
With gauges r	monitoring production the intermediative minute interven	ction casing and tu te casing valve. F als. Characterize t	ibing Record Now in	(Men:Sec)	_		Tubing:	Casing PSIG	Casing PSIG	
With gauges r	monitoring production the intermediative minute interven	tion casing and tu	ibing Record Now in	(Min:Sec) 00: 05:	_		Tubing:	Casing PSIG	Casing PSIG	
With gauges of pressures, op pressures at full "Intermediate O = No Flow;	monitoring production the intermediative minute interversible. Flow column using C = Continuous	zion casing and tu ite casing valve. F als. Characterize t ing letter designati ; D = Down to 0	ibing Record flow in ions below: V = Vapor	(Min:Sec) 00:	_		Tubing:	Casing PSIG	Casing PSIG	
With gauges of pressures, op pressures at full "Intermediate O = No Flow;	monitoring production the intermediative minute interversible. Flow column using C = Continuous	ction casing and tu te casing valve. F als. Characterize t ing letter designati	ibing Record flow in ions below: V = Vapor	(Min:Sec) 00: 05:	_		Tubing	Casing PSIG	Casing PSIG	
With gauges to pressures, oppressures at formediate D = No Flow, H = Water H20 INTERMEDIAT	monitoring producen the intermediative minute interver Flow" column using C = Continuous; M = Mud; W = E SAMPLE TAKEN	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 • Whisper; S = Su ?	bing Record flow in ions below: ; V = Vapor arge; G =Gas	(Min:Sec) 00: 05: 10:	_		Tubing:	Casing PSIG	Casing PSIG	
With gauges to pressures, oppressures at formediate D = No Flow; H = Water H20 INTERMEDIAT	monitoring production the intermediative minute interver Flow" column using C = Continuous; M = Mud; W = E SAMPLE TAKEN	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 • Whisper; \$ = \$u ?	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15:	_		Tubing	Casing PSIG	Casing PSIG	
With gauges in pressures, oppressures at full "Intermediate D = No Flow; H = Water H20 INTERMEDIATE Yes Character of in	monitoring producen the intermediative minute interver Flow" column using C = Continuous; M = Mud; W = E SAMPLE TAKEN	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 • Whisper; \$ = \$u ?	bing Record flow in ions below: ; V = Vapor arge; G =Gas	(Min:Sec) 00: 05: 10:	_		Tubing	Casing PSIG	Casing PSIG	
With gauges to pressures, oppressures at formediate D = No Flow; H = Water H20 INTERMEDIAT	monitoring producen the intermediative minute intervalenc	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 = Whilsper; S = Su ? Gas Clear	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15:	_		Tubing:	Casing PSIG	Ceeing PSIG	
With gauges in pressures, oppressures at full armediate O = No Flow; H = Water H2O INTERMEDIAT Yes Character of its Sulfur	monitoring producen the intermedia ive minute interva Flow" column usi C = Continuous : M = Mud; W = E SAMPLE TAKEN No ntermediate fluid: Saity escribe)	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 = Whilsper; S = Su ? Gas Clear	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15: 20:	_		Tubing:	Casing PSIG	Ceeing PSIG	
With gauges is pressures, oppressures at fall intermediate O = No Flow; H = Water H2O INTERMEDIAT Yes Character of its Sulfur Other: (d	monitoring producen the intermedia ive minute interva Flow" column usi C = Continuous : M = Mud; W = E SAMPLE TAKEN No ntermediate fluid: Saity escribe)	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 = Whilsper; S = Su ? Gas Clear	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15: 20: 25:	Tubing:			Casing PSIG		>
With gauges is pressures, oppressures at fall intermediate O = No Flow; H = Water H2O INTERMEDIAT Yes Character of its Sulfur Other: (d	monitoring producen the intermedia five minute interval Flow" column usi C = Continuous M = Mud; W = E SAMPLE TAKEN No Intermediate fluid: Salty escribe)	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 = Whilsper; S = Su ? Gas Clear	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15: 20: 25:	Tubing:					>
With gauges is pressures, oppressures at full armediate O = No Flow; H = Water H2O INTERMEDIAT Yes Character of it Sulfur Other: (d	monitoring producen the intermedia five minute interval Flow" column usi C = Continuous M = Mud; W = E SAMPLE TAKEN No Intermediate fluid: Salty escribe)	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 = Whilsper; S = Su ? Gas Clear	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15: 20: 25:	Tubing:					>
With gauges is pressures, oppressures at full armediate O = No Flow; H = Water H2O INTERMEDIAT Yes Character of it Sulfur Other: (d	monitoring producen the intermedia five minute interval Flow" column usi C = Continuous M = Mud; W = E SAMPLE TAKEN No Intermediate fluid: Salty escribe)	tion casing and tu te casing valve. F als. Characterize t ing letter designati ; D = Down to 0 = Whilsper; S = Su ? Gas Clear	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15: 20: 25:	Tubing:					>
With gauges is pressures, oppressures at full intermediate D = No Flow; H = Water H20 INTERMEDIAT Yes Character of it Sulfur Other: (d) Sample cylinde	monitoring producen the intermediative minute interversions of the minute interversion of the minute interversion of the minute interversion of the minute interversion of	tion casing and tute casing valve. Fals. Characterize ting letter designation of the wind state of the case of the	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15: 20: 25:	Tubing:					>
With gauges is pressures, oppressures at full intermediate D = No Flow; H = Water H20 INTERMEDIAT Yes Character of it Sulfur Other: (d) Sample cylinde	monitoring producen the intermedia five minute interval Flow" column usi C = Continuous M = Mud; W = E SAMPLE TAKEN No Intermediate fluid: Salty escribe)	tion casing and tute casing valve. Fals. Characterize ting letter designation of the wind state of the case of the	bing Record flow in ons below: ; V = Vapor arge; G =Gas	(Min: Sec) 00: 05: 10: 15: 20: 25:	Tubing:					>
With gauges is pressures, oppressures at full intermediate D = No Flow; H = Water H20 INTERMEDIAT: Yes Character of it: Sulfur Other: (d) Sample cylinder 18. Commer	monitoring producen the intermediative minute interval flow" column using the C = Continuous; the Mud; W = E SAMPLE TAKEN No natermediate fluid: Salty (secribs) In number: See instruction (if the true true true true true true true tru	tion casing and tute casing valve. Fals. Characterize ting letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the case of	bing Record flow in ons below: ; V = Vapor arge; G = Gas Liquid Fresh this form are.	(Min Sec) 00: 05: 10: 15: 20: 25: Note is	Tubing:	knov	Intermediat	e Casing PSIG a	and comple	ete.
With gauges is pressures, oppressures at full intermediate D = No Flow; H = Water H20 INTERMEDIAT: Yes Character of it: Sulfur Other: (d) Sample cylinder 18. Commer	monitoring producen the intermediative minute interval flow" column using the C = Continuous; the Mud; W = E SAMPLE TAKEN No natermediate fluid: Salty (secribs) In number: See instruction (if the true true true true true true true tru	tion casing and tute casing valve. Fals. Characterize ting letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the case of	bing Record flow in ons below: ; V = Vapor arge; G = Gas Liquid Fresh this form are.	(Min Sec) 00: 05: 10: 15: 20: 25: Note is	Tubing:	knov	Intermediat	e Casing PSIG a	and comple	ete.
With gauges is pressures, oppressures at full intermediate D = No Flow; H = Water H20 INTERMEDIATI Yes Character of it Sulfur Other: (d Sample cylinde	monitoring producen the intermediative minute interval flow" column using the C = Continuous; the Mud; W = E SAMPLE TAKEN No natermediate fluid: Salty (secribs) In number: See instruction (if the true true true true true true true tru	tion casing and tute casing valve. Fals. Characterize ting letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the case of	bing Record flow in ons below: ; V = Vapor arge; G = Gas Liquid Fresh this form are.	(Min Sec) 00: 05: 10: 15: 20: 25: Note is	Tubing:	knov	Intermediat	e Casing PSIG a	and comple	ete.
With gauges is pressures, oppressures at full intermediate D = No Flow; H = Water H20 INTERMEDIATI Yes Character of it Sulfur Other: (d Sample cylinde 18. Comment 19. STEP 5: I hereby cer Test Perform Signed:	monitoring producen the intermediative minute interval flow" column using the minute interval; the minute interval; the minute interval; the minute interval flow in the mediate fluid: See instruction in the state of the minute interval	tion casing and tute casing valve. Fals. Characterize ting letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the casing letter designation of the case of the casing letter designation of the case of the	bing Record flow in ons below: ; V = Vapor arge; G = Gas Liquid Fresh this form are Title: Titte:	(Min Sec) 00: 05: 10: 15: 20. 25: Note in	nstantane of my	knov	Intermediat	e Casing PSIG a	and comple	ete.

WITNESSED BY: _____ Title: ____



Oil and Gas Conservation Comm	nission	(DOS 39)	IN SULE			
1120 Lincoln Street, Suite 801, Danver, Coloredo 80203 (303) 894-2 BRADENHEAD TEST RE		1594-211	U J	-		
Step 1. Record all tubing and casing pressures as found. Step 2. Semple now, if intermediate or surface casing pressure >25 pel. In sensitive						
Step 3. Conduct Bradenhead test.		# aal ara	anno sebi			
Step 4. Conduct Intermediate casing serv. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include waitbrinded or if wellbore configuration has changed since prior program. At	tech gas and liq	nd malys	ses if sampled			
1. OGCC Operator Number:				11. Date of To	st: 10 / 30	0100
2. Name of Operator: KW 5. Multiple com	3. BLM Lee pletion?	se No:_]Yes [12. Well Statu	s: D Flowing D Pumping	= 1
5 Well Name: UPPR 32 PAN AVM S Number	15		7	Clock/Inter	rmitter	,
/ Escation (citrotil sec. twb) king temperature / 10/11/2/2011 - 22/11/2/2011		777	ROS W	Plunger Lif 13. Number of		jš:
10. Minerals: Fee State Federal India	∏ T₩0	Three	Liner?			
14. STEP 1: EXISTING PRESSUR Tubing: Tubing: Prod. Casing:	Intermed	ate	Surface	4.		
Record all pressures as 210 240	Cag:		Casing:	15. STEP 2: S	ee instructio	ns above.
found Fm: Fm: JSND Fm: JSN			85	Steac	du	
16. STEP 3: BR	RADENHEA	D TES	iT			
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time (Mirr:Sec)	Fm:	Fm: Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if	00:	I Dimish	Tubing			
no intermediate casing, monitor only the production casing and tubing procesures.) Record pressures at five minute intervals.	05:	 				• • •
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10:				_	
D = No Flow; C = Continuous; D = Down to 8; V = Vapor						
H = Water H2O; M = Mud; W = Whileper; S = Surge; G =Gas BRADENHEAD SAMPLE TAKEN?	15:					
Yes No Gas Liquid	20:	_				
Cheracter of Bradenhead fluid: Clear Fresh	25:					
Sulfur Saity Black Other: (describe)	30:			1		
Sample cylinder number:		<u> </u>		<u></u>		
		Note inst	tantaneous Brade	nhead PSIG at	end of test:	>
17. STEP 4: INTERN	MEDIATE C	ASING	TEST			
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time (Min:Sec)	fm: Tubing.	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
With gauges monitoring production casing and tubing	00:	TODAY.	1002.9			
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in	05:	ļ 				
"Intermediate Flow" column using letter designations below:	10:	 				
D = No Flow; C = Continuous; D = Down to 0; V = Yapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas						
INTERMEDIATE SAMPLE TAKEN?	15:					1
Yes No Gas Liquid	20.				-	
Character of Intermediate fluid: Clear	25.	_		 		
Other: (describe)	30:			 		
Sample cylinder number:]					
	Note in	stantane	ous Intermediate	Casing PSIG a	t and of test	>
18. Comments:						
					<u> </u>	
19. STEP 5: See instructions above.						
I hereby certify that the statements made in this form are,	to the best	of my k	knowledge, tru	e, correct, a	nd complet	e.
Test Performed by: Title:				none:	_	
Signed: Matthew but I Title:	1144	(es).		ate: <u>/ 🌣</u>	1000	
	,		/			

FOR DECC USE ONLY

Oil and Gas Conservation Comm	nission		IN SILE			
1120 Lincoln Street, Suite 801, Danver, Colorado 80203 (303) 894-2	100 Fex: (303	894-21	09			ļ
BRADENHEAD TEST RE						
Step 2. Sample now, if intermediate or surrace casing pressure 220 per. (1) Step 2. Conduct Bradenhead test.						
Step 4. Conduct Intermediate cashing bat. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include is submitted or if wetbors configuration has changed since prior program. At	relitors diagram tach gas and liq	e not pre ed analys	woully see if sampled			
1. OGCC Operator Number:				11. Date of Te	nst: 10/5()10U
2. Name of Operator: KV	3. BLM Lea	se No:		12. Well Statu	a: Flowing	Shut in
4. API Number: <u>09302</u> 5. Multiple com 5. Well Name: <u>UPRR 21 PAN AW</u> "C1" Number	pletion?] Yes [₩	Ges Lift Clock/Inter	Pumping	Injection
5. Well Name: UPRR 2 PAN AVV CT Number 7. Location (OtrQtr, Sec. Tup, Rng. Meridian): NW NW St	24 TS	\mathcal{N}_{-1}	365 W	Plunger Life	R	
8. County: 9. Field Name: C				13. Number of	Casing String	Liner?
10. Minerals: Fee State Federal India STEP 1: EXISTING PRESSUR						
Tubing: Tubing: Prod. Casing:	intermed	ate	Surface	15.		
Record all pressures as 195 210	Ceg:		Casing:	STEP 2: S	ee instructio	ns above.
found Fm: Fm:S45X Fm:S4SX						
16. STEP 3: BR	ADENHE	D TES				(
Buried valve? Yes No Confirmed open? Yes No	Elapsad Time (Min:Sac)	Fm: Tubing	Fm: Tubing:	Production Caung PSIG	Intermediate Casing PSIG	Bradenhead Flow:
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if	00:					
no intermediate casing, monitor only the production casing and	05:			 		
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10	-		 	<u> </u>	
D = No Flow; C = Continuous; D = Down to 0; V = Vapor						
H = Water H2O; M = Mud; W = Whisper; B = Surge; G = Gas BRADENHEAD SAMPLE TAKEN?	15:			1		ľ
Yes No Gas Liquid	20:	_				
Character of Bradenhead fluid: Clear Fresh	25:			 		
Suffur Selty Black	30:	ļ <u>.</u>		<u> </u>		
Other: (describe)						
		Note ins	itantaneous Brade	mhead PSIG at	end of test:	>
STEP 4: INTERI	AEDIATE C	ASING	G TEST			
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time		Fm:	Production	Intermediate Casing PSIG	Intermediate Flow
With gauges monitoring production casing and tubing	(Min:Sec)	Tubing.	Tubing	Casing PSIG	Case of Para	-
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in	05:	ļ		 		
"Intermediate Flow" column using letter designations below:	J 103.					<u>.</u>
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:					
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:	_	_	<u> </u>		
INTERMEDIATE SAMPLE TAKEN?	20			 -		
☐ Yes ☐ No ☐ Gas ☐ Liquid Cheracter of Intermediate fluid: ☐ Clear ☐ Fresh	 	ļ <u>.</u>				
Sulfur Salty Black	25.					
Other: (describe)	30:					
Sample cylinder number:	Alata b		sous Intermediate	Casino PSIG a	t and of test	>
	140H					<u> </u>
18. Comments:						
					<u></u>	
19. STEP 5: See instructions above.						
I hereby certify that the statements made in this form are,	to the best	of my	knowledge, tru	re, correct, a	ind comple	te.
Test Performed by: Title:_				hone:		
Signed: Matthew Kindow Title:	570.H	ان - ۱۰۰۰ ک ^ر	75. T	ate:	300 <u>4</u>	

Test Performed by:	Title:	_ Phone:
	Title: SToff Secretary	Date:
WITNESSED BY:	Title:	_ Agency:

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FOR OGCE USE ONLY State of Colorado 17 **Dil and Gas Conservation Commission** 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109 BRADENHEAD TEST REPORT Step 1. Record at tuping and casing pressures as found.

Step 2. Sample now, if intermediate or surface casing pressure >25 pel. In sensitive areas, 1 per

Step 3. Conduct Bradenheed test. Conduct Intermediate casing bed.

Send report to SLM within 30 days and to OGCC within 10 days. Include wellbors diagram if not previously submitted or if wellbors configuration has changed since prior program. Attach gas and iquid analyses if sample submitted or if wellbors configuration has changed since prior program. 11. Date of Test: 10 / 50/0 (4 1. OGCC Operator Number: 3. BLM Lease No: 2. Name of Operator: K.M. 12. Well Status: Flowing Shut in 5. Multiple completion? Yes No Gas Lift Pumping 🔲 Injection 4. API Number: 5 Well Name: MCLALIAN - 34-8 Number.
7. Location (Otroptr, Sec. Two, Ring, Meridian): SIAI SE Clock/Intermitter -T3N-R671 👿 Plunger Lift 9. Field Name: Child 13. Number of Casing Strings 8. County: WCIC Liner? Two Three State Federal Indian X Fee 10. Minerals: STEP 1: EXISTING PRESSURES 14 Intermediate Surface Prod. Casing: Tubing: Tubing: 410 Record all 38*0* Cag: Casing: STEP 2: See instructions above. pressures as **4**5 found FM:NB-40 FM:NB-40 Loses pressure quickly, writer in Fm STEP 3: BRADENHEAD TEST 16 Production Casing PSIG Intermediate Bradenhead Buried valve? Yes No Confirmed open? Yes No Elapsed Time Fm: Fm:_ Casing PSIG Flow: (Min:Sec) Tubino With gauges monitoring production, intermediate casing and 00: veni gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: 05 10: D = No Flow; C = Continuous; D = Down to 8; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas 15: BRADENHEAD SAMPLE TAKEN? 20: Liquid Gas ☐ No Character of Bradenhead fluid: Clear Fresh 25. Salty ☐ Black Sulfur 30: Other: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST 17. Elepsed Time Fm: Fm: Production Buried valve? Yes 🔲 No Confirmed open? 🗌 Yes 🔲 No Casing P5IG Casing PSIG Flow (Min Sec) Tubing Tubing 00: With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in 05: "Intermediate Flow" column using letter designations below: 10: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; N = Mud; W = Whisper; S = Surge; G =Gas 15: INTERMEDIATE SAMPLE TAKEN? Liquid Gas. ☐ No Yes Character of Intermediate fluid: Clear Fresh 25 Salty Black Sulfur 30: Other: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSIG at end of test: Comments: 18. 19. STEP 5: See instructions above.

I hereby certify that the statements made in this to	orm are, to the best of my knowledg	Je, true, correct, and complete.
Test Performed by:	Title:	Phone:
Signed: Attles W.L.D	Title: \$ 24 \$ 5	Date:
WITNESSED BY:	Title:	Agency:

State of Colorado State of Colorado State of Colorado



FOR DGCC USE DALY

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1120 Lincol	n Street, Suite 801.	Denver, Colorado 802	TEST DE	DOPT.	1034-211			-		ļ	
BRADENHEAD TEST REPORT								1			
Sten 2 Sample of	tubing and casing pre by, if intermediate or s	eaures es tound. Lirtace casing pressure?	25 pel. In sensitiv	e areas, 1 psi				[]			
Step 3. Conduct 8	iredenhend test.	_									
Step 5. Send repo	rt to BLM within 30 da or if wellborn configur	t ys and to OGCC within 1 ston has changed since	10 gays Include w prior program. At	elibore degrem tech gas and liq	nd analys	violally led if a	empled.	JL			
						_		11. Date of Te	nt: 10130	1010	
	retor Number:			3. BLM Lee	Be No:						
2. Name of O	perstor: KM or: 0320	۲	5. Multiple com	- A.] No	<u> </u>	12. Well Statu		_ ,	
5. Well Name	Routter	Frank	- •	,				Clock/inter			
7. Location (OtrOtr, Sec. Twp, Rng. Meridien): Six SU Sec. 14 9 9 18 (45) W							EW_	Rlunger Lift			
8. County: Weld 9. Field Name: GALVA								13. Number of	Casing String Three	js: Liner?	
10. Minerals: X Fee State Pederal : Illusti							<u> </u>				
14.	<u>_</u>	TEP 1: EXISTIN		Intermed		Surf		1			
Record all	Tubing:	1 230	Prod. Casing:	Cag:	1418	Casi		15.			
pressures as		\a30		•			5	STEP 2: S	ee instructio	ns above.	
,ourid	Fm:	FMJ-CDL	Fm: J-CD	<u> </u>		-		<u>IStead</u>	4 14	Cil	
16.			STEP 3: BR	ADENHEA	D TES	T					
	Yes No	Confirmed open?	Yes No	Elepsed Time		_	Fm	Production Cauting PSiG	Intermediate Casing PSIG	Bradenhead Flow:	
l		tion, intermediate c		(Min:Sec)	Tubing		Tubing	Capag raid	Onling 7 Gro		
1 4 b.;		resinn inmonthe	CIL ANIAG IO	1	ŀ						
I trabina penetur	ar i Darominne	only the production sures at five minute	B ILMOI AUID:	05:							
l Define charact	eristics of flow in signations below:	-Ruideulisen Lina	Column	10:					-		
D = No Flow;	C = Continuous;	D = Down to 0;	V = Vapor	[12 .							
H = Water H2O;	M = Mud; W =	Whisper; 5 = Sur	ps; G=Gas	15:							
BRADENHEAD	SAMPLE TAKEN?		F1	20:							
Yes	∐ No	Gas	Liquid	- Tu.							
_	radenhead fluid:	☐ Clear ☐ ☐ Black	Fresh	25:							
Sulfur	☐ Salty	□ precx		30:							
Other: (d				30:							
Sample cylinder	r number:				Note les		anna Brad	enhead PSIG at	end of test:	>	
					11010 1110	MA KINI					
17.		STE	P 4: INTER	MEDIATE C	ASING	TE	ST				
Buried valve?	Yes No	Confirmed open?	Yes No	Elepsed Time (Mrv:Sec)			Fm:	Production Casing PSIG	intermediate Casing PSIG	Intermediate Flow:	
1	•	tion casing and tub		(MIN Sec.)	Tubing		Tubing	000.910.0			
CONSUME DO	en the intermedis	te casing valve. Ki	BC010					İ.,			
OZBERNINGE BY F	ve minute interva	is. Characterize ik ng letter designatio	ow in	05:					ĺ	;	
İ			V = Vapor	10:	-			+	 	 	
D = No Flow; H = Water H2O	C = Continuous; : M = Mud; W =	; g=ggwntou; Whisper; S=Sun									
				15:					1		
	SAMPLE TAKEN		Liquid	20:				- 		 - 	
Yes	No No	Ges Char C	Fresh	1			_				
Character of in	stermediate fluid:			25:					+		
Other: (de				30:	-			 		 	
Sample cylinder				1						<u> </u>	
				Note #	stantare	ous i	ntermedisk	Cesing PSIG a	t end of test	>	
				L						<u> </u>	
18. Commen	d:										
<u> </u>											
	See instruction									_	
I hereby cert	ify that the state	ements made in t	his form are,	to the best	of my l	knov				te.	
Test Performe	d by:		Title:			_		hone:			
- M	ITTEN Se	\mathcal{I} () $-$	Title:	STEFF !	20-10	ςT	г)ate:/ C	18 40 6	4.3	
Signed: <u>////</u>	MILLEN AVE		1 100.	· · ·	·		-				

WITNESSED BY: _____ Agency: _____ Agency: ____

State of Colorado

Dil and Gas Conservation Commission

Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109

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FOR OGCC USE DALY

BRADE	NHEAD	TEST RE	PORT						
Bisp 1. Record all lubing and calling pressures Step 2. Sample now, it intermediate or surface of Step 3. Conduct intermediate calling test. Step 8. Conduct intermediate calling test. Step 8. Send report to BLM within 30 days and submitted or if wetfore configuration has	as tound. casing pressure	>25 psi. In sensitiv	e press, 1 pe:	if not pre	nnously	, ampled			
submitted or if welloon configuration ris	I CHANGES SINCE	pror program Au	23, 924 210 14				11. Date of Te	et 1110.0	(;
OGCC Operator Number: Name of Operator:			3. BLM Low	se No:					
1 . 11.7		K. Multiple com	nletion?]∨es I	N:	,	12. Wali Status	L: Flowing Pumping	
6. Well Name: Mile		Numbe	<u>. # 1</u>				Clock/Inter	mitter	
6. Well Name: Miller 7. Location (Otrotr., Sec., Twp., Rng., Meridian): Sword Standard Ptill 8. Country of 14 10 9. Field Name: GwA							Plunger Lift 13. Number of Casing Strings:		
8. County VIEIG	9. 54	NAME: C						Casing String Three	Liner?
10. Minerals: Fee State		IG PRESSUE							
		Prod. Casing:	Intermed	iate	Surf	NCO	1		
Record all	<u> </u>	340	Csg:		Casi	ng:	15.	ee instructio	evode an
production as	-	ىر (50 كى				\circ	SIEF Z. S	CO IFFOR DELIC	TIB BOOTC.
Fm. 1770(. DDL						<u></u> -		
16.		STEP 3: BR	,		ST		I Para de maria de	intermediate	Bradenhead
Buried valve? Yes No Confirm	ned open?	Yes No	Elapsed Time (Min:Sec)	Fm: Tubing		Fm:	Production Casing PSIG	Casing PSIG	Flow:
With gauges monitoring production, in	itermediațe c	asing and	00:		_				
tubing pressures, open surface casing	g (pracennea	n casing and					-		
tubing pressures.) Record pressures Define characteristics of flow in "Brad	an nve minu	A II II GIABIO.	05:	1					
using letter designations below:			10:	 	_				
	= Down to 0;	V=Vapor ce: G=G#s					<u> </u>		
H = Water H2O; M = Mud; W = Whis	per, 3-3µ	35 , 5 - 5 - 5	15:	l					
BRADENHEAD SAMPLE TAKEN?	∏ Gas	☐ Liquid	20:	 					
		Fresh	L				<u> </u>		
	lack		25:						1
Other: (describe)			30:	 			 	·············	-
Sample cylinder number:				<u> </u>		<u>. </u>	<u> </u>		
				Note ins	stantar	neous Brad	enhead PSIG at	and of test:	>
									1
			<u></u>	-		O.T.			
17.		P 4: INTERN	MEDIATE C	ASING	3 TE				Lotermediate
17. Buried velve? Yes No Confirm			<u></u>	ASING		ST Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
Buried valve? Yes No Confirm	med open?	Yes No	AEDIATE C	ASING		Fm:	Production	Intermediate	Flow
Buried velve? Yes No Confirm With gauges monitoring production or pressures open the intermediate case.	med open?	Yes No	AEDIATE C Elepsed Time (Min: Sec)	ASING		Fm:	Production	Intermediate	
Buried valve? Yes No Confirm	med open? [asing and tub ing valve. R haracterize fi	Yes No bing ecord ow in	MEDIATE C	ASING		Fm:	Production	Intermediate	Flow
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Ct "Intermediate Flow" column using left	med open? [asing and tub ing valve. R haracterize fi	Yes No bing ecord ow in	AEDIATE C Elepsed Time (Min: Sec)	ASING		Fm:	Production	Intermediate	7323 6965
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Charlemediate Flow" column using letters.	ned open? [asing and tut ing valve. R haracterize fi ler designatio = Down to 0;	Yes No sing ecord ow in ons below: V = Vapor	AEDIATE C Elepsed Time (Min: Sec) 00: 05:	ASING		Fm:	Production	Intermediate	2323
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Ch "Intermediate Flow" column using lett O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = Whis	ned open? [asing and tut ing valve. R haracterize fi ler designatio = Down to 0;	Yes No sing ecord ow in ons below: V = Vapor	AEDIATE C Elepsed Time (Min:Sec) 00:	ASING		Fm:	Production	Intermediate	7323 6965
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Charlemediate Flow" column using lett O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = White INTERMEDIATE SAMPLE TAKEN?	ned open? [asing and tut ing valve. R haracterize fi ler designatio = Down to 0;	Yes No sing ecord ow in ons below: V = Vapor	AEDIATE C Elepsed Time (Min: Sec) 00: 05:	ASING		Fm:	Production	Intermediate	7323 6965
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Ct. "Intermediate Flow" column using lett O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = White INTERMEDIATE SAMPLE TAKEN?	asing and tubing valve. Rharacterize filer designation Down to 0; per; S = Sur	Yes No bing ecord ow in ons below: V = Vapor rge; G =Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15:	ASING		Fm:	Production	Intermediate	7323 6965
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Character of Intermediate Flow' column using lett O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = White; INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke	asing and tubing valve. Rharacterize filer designation Down to 0; per; S = Sur	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10:	ASING		Fm:	Production	Intermediate	7323 6965
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Of "Intermediate Flow" column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = White INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke	med open? [asing and tub ing valve. R haracterize fi ler designatio = Down to 0; per; S = Sur Gas	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15:	ASING		Fm:	Production	Intermediate	7323 6965
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Ct. "Intermediate Flow" column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = White INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke Suffur Safty Bi	med open? [asing and tub ing valve. R haracterize fi ler designatio = Down to 0; per; S = Sur Gas	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min:Sec) 00: 05: 10: 15: 20:	ASING		Fm:	Production	Intermediate	7323 6965
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Character of Intermediate Flow" column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = Whist INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke Suffur Safty Bit Other: (describe)	med open? [asing and tub ing valve. R haracterize fi ler designatio = Down to 0; per; S = Sur Gas	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25:	ASING Fm: Tuberg:		Fm:Tubing	Production	Intermediate Casing PSIG	7223 6965 8565
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Character of Intermediate Flow" column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = Whist INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke Suffur Safty Bit Other: (describe) Sample cylinder number:	med open? [asing and tub ing valve. R haracterize fi ler designatio = Down to 0; per; S = Sur Gas	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25:	ASING Fm: Tuberg:		Fm:Tubing	Production Casing PSIG	Intermediate Casing PSIG	7223 6965 8565
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Character of Intermediate Flow" column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = Whist INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke Suffur Safty Bit Other: (describe)	med open? [asing and tub ing valve. R haracterize fi ler designatio = Down to 0; per; S = Sur Gas	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25:	ASING Fm: Tuberg:		Fm:Tubing	Production Casing PSIG	Intermediate Casing PSIG	7223 6965 8565
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Character of Intermediate Flow" column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = Whist INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke Suffur Safty Bit Other: (describe) Sample cylinder number:	med open? [asing and tub ing valve. R haracterize fi ler designatio = Down to 0; per; S = Sur Gas	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25:	ASING Fm: Tuberg:		Fm:Tubing	Production Casing PSIG	Intermediate Casing PSIG	7223 6965 8565
Buried valve? Yes No Confirm With gauges monitoring production or pressures, open the intermediate cas pressures at five minute intervals. Character of Intermediate Flow" column using left D = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = Whist INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke Suffur Salty Bit Other: (describe) Sample cylinder number:	med open? [asing and tub ing valve. R haracterize fi ler designatio = Down to 0; per; S = Sur Gas	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25:	ASING Fm: Tuberg:		Fm:Tubing	Production Casing PSIG	Intermediate Casing PSIG	7223 6965 8565
Buried valve?	med open? asing and tuting valve. R her deterize fit Down to 0; per; S = Sur Gas ack	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25:	ASING Fm: Tuberg:		Fm:Tubing	Production Casing PSIG	Intermediate Casing PSIG	7223 6965 8565
Buried valve? Yes No Confirm With gauges monitoring production of pressures, open the intermediate cas pressures at five minute intervals. Ct "Intermediate Flow" column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = White INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke Suitur Saity Bit Other: (describe) Sample cylinder number: 18. Comments:	med open? [asing and tut ing valve. R haracterize fi ler designatio Down to 0; per; 8 = Sur Gas ack	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas	#EDIATE C Elepted Time (Min:Sec) 00: 05: 10: 15: 20: 25:	ASING Fm:Tubing:	eous I	Fm:	Production Casing PSIG	Intermediate Casing PSIG	2223 6965 8565
Buried valve?	med open? [asing and tut ing valve. R haracterize fi ler designatio Down to 0; per; 8 = Sur Gas ack	Yes No bing ecord ow in ons below: V = Vapor rge; G = Gas Liquid Fresh	AEDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25: Note in	of my	knov	ntermodiate	Production Casing PSIG	Intermediate Casing PSIG t end of test:	2223 6965 8565
Buried valve? Yes No Confirm With gauges monitoring production of pressures, open the intermediate cas pressures at five minute interwals. Ct "Intermediate Flow" column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = White; INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Ck Sulfur Salty Bit Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions about thereby certify that the statement Test Performed by:	med open? [asing and tut ing valve. R haracterize fit er designatio Down to 0; per; \$ = Sur Gas ack	Yes No bing ecord ow in ons below: V = Vapor rge: G = Gas Liquid Fresh his form are, Title:	AEDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25: Note in	ASING Fm:	eous I	Tubing ntermediate	Production Casing PSIG a Casing PSIG a ure, correct, a	Intermediate Casing PSIG t end of test:	Flow: 2223 6965 8566
Buried valve? Yes No Confirm With gauges monitoring production of pressures, open the intermediate cas pressures at five minute intervals. Character of Intermediate Flow Column using left O = No Flow; C = Continuous; D H = Water H2O; M = Mud; W = White INTERMEDIATE SAMPLE TAKEN? Yes No Character of Intermediate fluid: Cke Sulfur Salty Bit Other: (describe) Sample cylinder number: 18. Comments:	med open? [asing and tut ing valve. R haracterize fit er designatio Down to 0; per; \$ = Sur Gas ack	Yes No bing ecord ow in ons below: V = Vapor rge: G = Gas Liquid Fresh his form are, Title:	AEDIATE C Elepsed Time (Min: Sec) 00: 05: 10: 15: 20: 25: Note in	ASING Fm:	eous I	Tubing ntermediate	Production Casing PSIG	Intermediate Casing PSIG t end of test:	Flow: 2223 6965 8566

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FOR DECC USE ONLY

17		State of Co	lorado						
ا مستا	Oil and G	as Conservat	10N COMM	NSSIDN NA Fee: (303)	894-211				
1120 Lincol	n Street, Suite BD1,	Denver, Cotorado 802	TEST RE	PORT	00121		-		
Court Based at							ìl		
Step 2, Sample no	_{DW.} H intermediate of a traderhead test.	Direct Citality biostocia							
Bland Conduct II		t. ys and to OGCC within too has changed since	10 days include w prior program. Att	ethore diagram ach gas and liq	if not pre ad sinatys	viously see II sempled]		
							11. Date of Te	at WY	96
DGCC Ope Name of O	perator CACO	A 075		3. BLM Leas			12. Well Status	Flowing	Shut In
4. API Numbe	r. <u>10432 </u>		5. Multiple comp Number	```	Yes	No.	GesLift [Glock/Inter	Pumping	Injection
6. Well Name	HOUR Sec TWO RE	o. Meridian): பட்ப			₹64×	V	Plunger Lift		
8. County: Walter								Casing String Three	s: Liner?
10. Minerals:	Fee	State Feder							
14.	Tubing:	Tubing:	Prod. Casing:	Intermed	ate	Surface	15.		
Record all pressures as	Tubing.	209	343	Cag:		Casing:	STEP 2: S	e instructio	ns above.
found	Fm:	FM:JSHJD	Pm: JSHO]		
46			STEP 3: BR	ADENHEA	D TES	T			
16.	□ Yes □ No ·	Confirmed open?		Elapsed Time	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
		ion intermediate o	asino and	(Min:Sec)	Tubing	Tubing:			
tubing pressur	es open surrace	casing (bladerines	n casing and	05:					
		sures at five minut "Bradenhead Flow		US:					
using letter de	signations below:		V = Vapor	10:				!	
O = No Flow; H = Water H2O	C = Continuous; M = Mud; W =	Whisper; S = Sur		15:					
	SAMPLE TAKEN?			20:	ļ			.	
☐ Yes	□ No	[] G2s	Liquid Fresh	20.	<u> </u>				
Character of B	radenhead fluid:	∐ Clear ∐ ∏ Black	Linni	25:	-				
=	lescribe)	_		30:			- 		-
Sample cylinde							<u> </u>		
				:	Note in	stantaneous Brad	lenhead PSIG at	end of test:	<u> </u>
17.		STE	P 4: INTER	AEDIATE C	ASIN	G TEST			
Buried valve?	□Yes □ No	Confirmed open?	Yes No	Elapsed Time (Min:Sec)		Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
ļ		tion casing and tub		00:	Tubing	Tubing:			
	an the intermedia	ta casung varye. K	SCOIN .	05:	ļ				2323
pressures at fi intermediate	Flow" column usi	ils. Characterize fi ng letter designation	ons below:	05.					6901
D = No Flows	C = Continuous	D = Down to 0;	V = Vapor	10:				ţ	8585
H = Water H2O	; M=Mud; W=	Whilaper; S = Sur	nge: G =Ge4	15:	 	-			
INTERMEDIATI	E SAMPLE TAKEN	7 -		20.	ļ		_ 	 	
☐ Yes	□ No	Gas	Liquid Fresh	·	<u> </u>				
Character of It	Salty	☐ Bleck	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	25:				!	
Other: (d	escribs)			30:	 				
Sample cylinde	r number:			<u> </u>	<u> </u>			1 1 -1 1 1	
				Note i	nstantan	eous Intermediat	le Casing PSIG s	it and Of lest	
18. Commer	ıts:					. <u> </u>			 .
	Dan lanta atla	or above							
19. STEP 5:	See instruction	IS BUOVE.	this forms are	In the beel	nf mv	knowledge t	rue, correct. a	ind comple	te.
		ements made in t	uns joitti आहे. 'सि⊳	to the best	U. 111y	Miowieuge, a	Phone:		
Test Perform		710		AHI I	11/10	. 17	n//. <	2.06	
Signed: M	tto 1	7.1.1/	Title:	>/977 6	ui,		Date: <u>// '</u>		

_ Title: ___

WITNESSED BY: ___

FOR OUCE USE ONLY

17 State of Colorado	iecion					
Oil and Gas Conservation Comm	(1881UII 00 Fax: (303)	894-2109		ļ		
BRADENHEAD TEST RE	PORT					İ
Step 1. Record all futing and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >26 psl. In sensitive	areas, 1 per					
Step 3. Conduct Bradenhead field. Step 4. Conduct Intermediate casing first. Step 5. Send report to BLM within 30 days and to OSCC within 10 days. Include will step 5. Send report to BLM within 30 days and to OSCC within 10 days.	mmgeub enodie	if na! previ	austy			
Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Produce was submitted or if welloore configuration has changed since prior program. Alt	ech gas and liqu	ed snalyse	e if sampled	<u></u>	1, 7	
1. OGCC Operator Number:				11. Date of Ter	st: 1.8°C	i b
1. OGCC Operator Number: 2. Name of Operator: 4. API Number: 11724 5. Multiple comp 6. Well Name: 1776 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3. BLM Leas	10 No: _		12. Well Status	: Flowing	Shut In
4. API Number: 11129 5. Multiple comp	oletion?	Yes Z	¶ No I	Gas Lift [Injection
Well Name: FOYE DAMPED Number Location (OtrOfr, Sec, Twp, Rng, Meridian): SEE	r. <u>L</u>	366		Clock/Inter		
7. Location (OtrOfr, Sec. Twp, Rng, Meridian): 2221	ωA			13. Number of		S :
8. County: 9. Field Name: 51				Two [Three	Liner?
14. STEP 1: EXISTING PRESSUR	ES					
Tubing: Tubing: Prod. Casing:	Intermedi		Surface	15.		
Record all pressures as 450 435	Ceg:	1	Casing:	STEP 2: Se	ee instructio	ns above.
found Fm: Fm: ODL Fm: ODL			<u> </u>			
STEP 3: BR	ADENHEA	D TES	 T			
10.			Fm:	Production	Intermediate	Bradenhead
Buried valve? Yes INC Commined open.	(Min:Sec)	Tubing	Tubing:	Cusing PSIG	Caxing PSIG	Flow:
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if tubing pressures, open surface casing (bradenhead) valve (if the pressure and tubing casing and	00:					
	05:			·		
lubing pressures.) Record pressures at tive minute intervals. Define characteristics of flow in "Bradenhead Flow" column			_			
using letter designations below:	10:					
O = No Flow; C = Continuous; D = Down to 8; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:		_	-		
BRADENHEAD SAMPLE TAKEN?						
Yes No Gas Liquid	20:					
Character of Bradenhead fluid: Clear Fresh	25:					
Sulfur Selty Black		,				
Other: (describe)	30:					
Sample cylinder number:	 	L			<u></u>	-
		Note inst	enteneous Brade	enhead PSIG at	end of test:	>
STEP 4: INTERN	AEDIATE C	ASING	TEST			
16			Fm:	Production	Intermediate	intermediate
Buried valve? 1 166 1 10 Committee open.	(Min:Sec)	Tubing:	Tubing	Casing PSIG	Casing PSIG	Flow
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:	1				2323
proceures at five minute intervals. Characterize now in	D5:	 		 		
"intermediate Flow" column using letter designations below:					<u> </u>	R5815
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:					6565
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	15:	-		1		
INTERMEDIATE SAMPLE TAKEN?		ļ <u>.</u>			 	<u> </u>
Yes No Gas Liquid	[20:			1		
Character of Intermediate fluid: Clear Fresh	25.	 				
Sulfur Saity Black	70.	ļ			 	
Other: (describe)	30:		1			
Sample cylinder number:		<u> </u>	pus Intermediate	Carina DSIG 6	of and of test	,
	Note	18tantare	intermedian	Caming FOICE		<u>.</u>
18. Comments:						
						
19. STEP 5: See instructions above.						
I hereby certify that the statements made in this form are,	to the best	of my l	knowledge, tr	ue, correct, a	and comple	te.
Title:		_		hone:		
lest Performed by.	6.64	6000	, - 57 · .		 C- 04	
Test Performed by: Title: Signed: Matthew Will Title:	2/77	(56/2	· · · [Date:	<u> </u>	
WITNESSED BY: Titte:				agency:		

17 Rev 8/90

State of Colorado Nil and Gas Conservation Commission

FOR DECC USE ONLY

Dil and Gas Conservation Comm	nission	904.210					
1120 Lincoln Street, Suite BUT, Denver, Columbia 80203 15031 554-21	<u> </u>						
Btep 1. Record at tubing and casing pressures as found. Step 2. Sample now, it intermediate or surface casing pressure >25 psi. In sensitive Btep 3. Conduct Bradenhead test. Btep 4. Conduct Intermediate casing last. Btep 5. Sand report to BLM within 30 days and to OGCC within 10 days. Include we submitted or if wellbore configuration has changed since prior program. At	e areas, 1 per	if not prev	nously self sampled.				
OGCC Operator Number:				11. Date of Test: (0/30/06)			
2 Name of Operator:	12. Well Status: Flowing Shut In Gas Lift Pumping Injection Clock/intermitter Plumper Lift 13. Number of Cesing Strings: Liner?						
14. STEP 1: EXISTING PRESSUR							
Record all pressures as found Fm: Tubing: Tubing: Prod. Casing: 205 Fm: TNRO Fm: TNRO	Intermedi Csg:	Ato	Surface Casing:	15. STEP 2: S	ee instructio	ns above.	
16. STEP 3: BR	ADENHEA	D TES	1				
Buried valve? Yes No Confirmed open? Yes No	Elapsed Time (Min:Sec)	Fm: Tubing:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:	
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: D = No Flow; C = Continuous: D = Down to 8; V = Vapor	00: 05:	Tubing	Tubing				
H = Water H2O; M = Mud; W = Whisper; B = Surge; G = Gas BRADENHEAD SAMPLE TAKEN?	15:						
Yee No Gas Liquid	20:						
Character of Bradenhead fluid: Ciser Fresh Sulfur Selly Black	25:				 _		
Other: (describe) Sample cylinder number:	30:						
Carrigue Cyrinae 1401 mou.		Note inst	antaneous Brade	nhead PSIG at	end of test	>	
17 STEP 4: INTERN	AEDIATE C	ASING	TEST				
17. SIEF 4: INTERNAL Burled valve? Yes No Confirmed open? Yes No		Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow	
With gauges monitoring production casing and tubing	00:	Tubing	Tubing:				
pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	05:						
O = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:						
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	15:						
INTERMEDIATE SAMPLE TAKEN? Yes No Ges Liquid	20:	<u> </u>					
Character of intermediate fluid: Clear Fresh	25:	ļ <u>.</u>		<u>_</u>			
Suffur Selty Black Other: (describe)	30:	<u> </u>					
Sample cylinder number:	<u></u>	<u> </u>					
	Note in	stantane	ous intermediate	Cesing PSIG a	t end of test:	*	
18. Comments:		-					
							
19. STEP 5: See instructions above.							
19. STEP 5: See instructions above.] I hereby certify that the statements made in this form are,	to the best	of my i	anowledae ta	ie, correct a	nd comple	te.	
			p				
100:10:10:10:10			, , ? D		ب وژ	6	

______ Title: ____

WITNESSED BY: ___

__ Agency: ____

FOR OGCC USE ONLY

Rev 8/90	Dil and Ga	s Conservat	tion Comm	ission	904 215		Nexts	1						
1120 Lincoln St	reet, Suite 801, C	DENHEAD	TEST RE	PORT				-		1				
Step 1. Record all tubil Step 2. Sample now, if														
Step 2. Sample now, if Step 3. Conduct Brade	intermediate of su inhead lest. hediate cestro test	EIGCS CESING Process		inee decom	f nat arm	viously								
Step 4. Conduct Intern Step 5. Send report to aubmitted or if	BLM within 30 day welloom configure	s and to OGCC within tion has changed aince	pror program. Att	ch gas and liqu	d enelys	ne H se	mpled.	11. Date of Ter	11 1	1:1				
1. OGCC Operato	1. OGCC Operator Number: 3. BLM Lease No:													
2. Name of Operator: 5. Multiple completion? Yes No								12. Well Status	Pumping	Injection				
6. Well Name Colors Con User D Well I Number: 7. Location (QtrQtr, Sec. Twp, Rng. Meridian): SENE SEC.								Clock/Inter		Ì				
8. County: Weld 9. Field Name: 1: w/								13. Number of		s: Liner?				
10. Minerals: Stee State Federal Indian 14. STEP 1: EXISTING PRESSURES									<u> </u>					
14.	bing:	Tubing:	Prod. Casing:	Intermedi	Alte	Surfe		15.						
Record all pressures as		31	3]	Cag:		Casi	- .	STEP 2: S	ee instructio	ns above.				
found Fr	n:	Fm:SVSX	Fm: 545X					<u></u>						
16.			STEP 3: BR	ADENHEA		ST	Fm:	Production	Intermediate	Bradenhead				
Buried valve?	_	Confirmed open?		(Min:Sec)	Tubing		Tubing:	Casing PSIG	Casing PSIG	Flow:				
With gauges mon tubing pressures.				00 :										
no intermediate C	esing, monitor	only use production	te intervals.	05:										
Define characteris using letter design	nations below:			10:										
D = No Flow; C H = Water H2O; J	= Continuous; M = Mud; W =	D = Down to 0; Whisper; S = Sui	- •	15:						1				
BRADENHEAD SA				20:										
Character of Brad	No No	Gas	Liquid											
Sulfur	Salty	Black		25:										
Other: (desc	ribe)			30:										
Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test:														
					Note in	stanta								
				AEDIATE (===		Senneso PSIG SI		<u> </u>				
17.			EP 4: INTERI	T	ASIN	===		Production	Intermediate	Intermediate				
17. Burled valve?	_	Confirmed open?	Yes No	T	ASIN	G TE	ST		Intermediate	Flow				
17. Burled valve?	nitoring produc	Confirmed open? [tion casing and tu te casing valve. F	Yes No	Elepsed Time (Min:Sec) 00:	ASIN	G TE	ST Fm:	Production	Intermediate	1				
17. Burled valve? With gauges mot pressures, open	nitoring productine intermedia	Confirmed open?	Yes No	Elepted Time (Min:Sec) 00: 05:	ASIN	G TE	ST Fm:	Production	Intermediate	Flow				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fix." D = No Flow:	nitoring production intermedia minute interval minute interval w" column usi	Confirmed open? [tion casing and tu- te casing valve. F als. Characterize ing letter designation D = Down to 0	Yes No sbing Record flow in lons below: V = Vapor	Elepsed Time (Min:Sec) 00:	ASIN	G TE	ST Fm:	Production	Intermediate	Flow:				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fix D = No Flow; OH = Water H2O;	nitoring produc the intermedia minute interva w" column usi := Continuous; M = Mud; W =	confirmed open? [tion casing and tu- te casing valve. F ils. Characterize ing letter designati D = Down to 0 Whisper; S = Su	Yes No sbing Record flow in lons below: V = Vapor	Elepted Time (Min:Sec) 00: 05:	ASIN	G TE	ST Fm:	Production	Intermediate	7923 8565				
Unit gauges more pressures, open pressures at five "Intermediate Fic D = No Flow; Unitermediate Fic H = Water H2O;	nitoring produc the intermedia minute interva w" column usi := Continuous; M = Mud; W =	confirmed open? [tion casing and tu- te casing valve. F ils. Characterize ing letter designati D = Down to 0 Whisper; S = Su	Yes No sbing Record flow in lons below: V = Vapor	Elepted Time (Mrr.Sec) 00: 05:	ASIN	G TE	ST Fm:	Production	Intermediate	7923 8565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fix D = No Flow; OH = Water H2O;	mitoring product the intermedial minute intervalow* column usite Continuous; M = Mud; W = AMPLE TAKEN*	confirmed open? [tion casing and tu- te casing valve. F ils. Characterize to ng letter designati D = Down to 0 Whisper; S = Su Gas Clear	Yes No No No No No No No No No No No No No N	Espaed Time (Min:Sec) 00: 05: 10:	ASIN	G TE	ST Fm:	Production	Intermediate	7923 8565				
17. Buried valve? With gauges more pressures, open pressures at five "Intermediate Fix D = No Flow; OH = Water H2O; INTERMEDIATE S Yes Character of Intel Sulfur	nitoring product the intermedia minute interval w" column usi := Continuous; M = Mud; W = AMPLE TAKEN' No No No Salty	tion casing and tute casing valve. Fils. Characterize ing letter designation D = Down to 0 = Whisper; S = Su	Yes No No No No No No No No No No No No No N	Elepadd Time (Min: Sec) 00: 05: 10: 15:	ASIN	G TE	ST Fm:	Production	Intermediate	7923 8565				
Units gauges more pressures, open pressures at five "Intermediate Fix D = No Flow; H = Water H2O; INTERMEDIATE S Yes Character of Intermediate of Intermediate S Yes	nitoring product the intermedia minute interval w" column usi := Continuous; M = Mud; W = AMPLE TAKEN' No No Mediate fluid:	confirmed open? [tion casing and tu- te casing valve. F ils. Characterize to ng letter designati D = Down to 0 Whisper; S = Su Gas Clear	Yes No No No No No No No No No No No No No N	Elepadd Time (Min: Sec) 00: 05: 10: 15: 20. 25: 30:	Fm:Tubing	G TE	ST FmTubing	Production Casing PSiG	Intermediate Casing PSIG	7323 8565 6565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fic O = No Flow; OH = Water H2O; INTERMEDIATE S Yes Character of Intel Sulfur Other: (desc	nitoring product the intermedia minute interval w" column usi := Continuous; M = Mud; W = AMPLE TAKEN' No No Mediate fluid:	confirmed open? [tion casing and tu- te casing valve. F ils. Characterize to ng letter designati D = Down to 0 Whisper; S = Su Gas Clear	Yes No No No No No No No No No No No No No N	Elepadd Time (Min: Sec) 00: 05: 10: 15: 20. 25: 30:	Fm:Tubing	G TE	ST FmTubing	Production	Intermediate Casing PSIG	7323 8565 6565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fic O = No Flow; OH = Water H2O; INTERMEDIATE S Yes Character of Intel Sulfur Other: (desc	nitoring product the intermedia minute interval w" column usi := Continuous; M = Mud; W = AMPLE TAKEN' No mediate fluid: Salty	confirmed open? [tion casing and tu- te casing valve. F ils. Characterize to ng letter designati D = Down to 0 Whisper; S = Su Gas Clear	Yes No No No No No No No No No No No No No N	Elepadd Time (Min: Sec) 00: 05: 10: 15: 20. 25: 30:	Fm:Tubing	G TE	ST FmTubing	Production Casing PSiG	Intermediate Casing PSIG	7323 8565 6565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fic D = No Flow; OH = Water H2O; INTERMEDIATE S Yes Character of Intel Sulfur Other: (desc.	nitoring product the intermedia minute interval w" column usi := Continuous; M = Mud; W = AMPLE TAKEN' No mediate fluid: Salty ribe)	confirmed open? [tion casing and tu- te casing valve. F ils. Characterize to ng letter designati D = Down to 0 Whisper; S = Su Gas Clear	Yes No No No No No No No No No No No No No N	Elepadd Time (Min: Sec) 00: 05: 10: 15: 20. 25: 30:	Fm:Tubing	G TE	ST FmTubing	Production Casing PSiG	Intermediate Casing PSIG	7323 8565 6565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fic D = No Flow; OH = Water H2O; INTERMEDIATE S Yes Character of Intel Sulfur Other: (desc	nitoring product the intermedia minute interval w" column usi := Continuous; M = Mud; W = AMPLE TAKEN' No mediate fluid: Salty ribe)	confirmed open? [tion casing and tu- te casing valve. F ils. Characterize to ng letter designati D = Down to 0 Whisper; S = Su Gas Clear	Yes No No No No No No No No No No No No No N	Elepadd Time (Min: Sec) 00: 05: 10: 15: 20. 25: 30:	Fm:Tubing	G TE	ST FmTubing	Production Casing PSiG	Intermediate Casing PSIG	7323 8565 6565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fix D = No Flow; OH = Water H2O; INTERMEDIATE S Yes Character of Intermediate of Interme	mitoring product the intermedial minute interval will column using the col	Confirmed open? [tion casing and tu- te casing valve. Fi ing letter designati D = Down to 0 Whisper; S = Su Clear Black	Yes No abing Record flow in ions below: ; V = Vapor orge; G =Gas Liquid Fresh	Elepadd Time (Min: Sec) 00: 05: 10: 15: 20. 25: 30: Note i	Fm:_Tubing	G TE	ST FmTobing	Production Casing PSIG	Intermediate Cessing PSIG	7323 8565 5565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fix D = No Flow; OH = Water H2O; INTERMEDIATE S Yes Character of Intermediate of Interme	mitoring product the intermedial minute interval will column using the col	Confirmed open? [tion casing and tu- te casing valve. Files. Characterize in gletter designation of the confirmed open in the confi	Yes No	Elepadd Time (Min: Sec) 00: 05: 10: 15: 20. 25: 30: Note is	Fm: Tubing	G TE	ST Fm Tubing Intermedia	Production Casing PSiG	Intermediate Casing PSIG	7323 8545 6565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fix D = No Flow; OH = Water H2O; INTERMEDIATE S	initoring product the intermedial minute interval with column using the co	confirmed open? [tion casing and tu- te casing valve. Files. Characterize in gletter designation of the confirmed open in the confi	Yes No sbing Record flow in lons below: ; V = Vspor longe; G = Gas Liquid Fresh this form are	Elepadd Time (Min: Sec) 00: 15: 10: 15: 20. 25: Note in	Fm:Tubing	G TE	ST Fm	Production Casing PSiG	Intermediate Cesng PSIG	7323 8565 5565				
17. Burled valve? With gauges more pressures, open pressures at five "Intermediate Fix D = No Flow; OH = Water H2O; INTERMEDIATE S Yes Character of Inter Other; (desconder in the Comments: 18. Comments: 19. STEP 5: SI hereby certify	initoring product the intermedial minute interval with column using the co	Confirmed open? [tion casing and tu- te casing valve. Fi ing letter designati D = Down to 0 Whisper; S = Su Clear Black	Yes No sbing Record flow in lons below: ; V = Vspor longe; G = Gas Liquid Fresh this form are	Elepadd Time (Min: Sec) 00: 15: 10: 15: 20. 25: Note in	Fm:Tubing	G TE	ST Fm	Production Casing PSiG	Intermediate Cesng PSIG	7323 8565 5565				

FOR OGCC USE DALY

Dil and Gas Conservation Comm	ission		D	VOL.				
1120 Lincoln Street, Suite 801, Danver, Colorado 80203 (303) 894-21	00 Fex: (303)	894-210	09 -				1	
BRADENHEAD TEST RE							l	
Beap 1. Record all tubing and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >26 pai. In sensitive	areas, 1 psi							
Step 3. Conduct Bradenhead less. Step 4. Conduct Intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include within 30 days and to OGCC within 10 days.	mingab snodle	if not pre-	viously	mnied				
Blap 5. Send report to BLM within 30 days and to OGCC within 10 bays. Brooks submitted or if weltpore configuration has changed since prior program. Alt	9C37 QBS 61K1 P4C				11. Date of Ter	t 11.6	·01	
1. OGCC Operator Number:	3. BLM Leas	ie No:			12. Well Status			
Name of Operator: PCC API Number: 1166		Yes	ŽΝο			Pumping		
s Well Name: Pour WA - F / HOX - Number	r. 2 (15 7	·C ^	10	<u>(1,7V</u>	☐ Clock/Intern			
7. Location (OtrOtr, Sec, Twip, Ring, Meridian). 13. Number of Casing Strings: 8. County: LA/4(C) 9. Field Name: 13. Number of Casing Strings:								
10. Minerals: A Fee State Federal Indian Two Three								
14. STEP 1: EXISTING PRESSUR	Intermedi		Surfa					
Record all Tubing: Tubing: Prod. Casing:	S Cag:	416	Casin		15. STEP 2: S	ne inetructio	ne ahoue	
pressures as found Fm: Fm: Fm: Fm: Fm:			1	7	SIEP 2: 54	SE INSTRUCTIO	118 20040.	
	A DEAUGE A	D.TES			<u> </u>			
16. STEP 3: BR	ADENHEA	Fm:		Fm;	Production	Intermediate	Bradenhead	
Buried valve? Yes No Commission Commission	(Min:Sec)	Tubing		Tubing	Casing PSIG	Casing PSIG	Flow:	
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if tubing pressures, open surface casing (bradenhead) valve (if the production casing and	00:							
no intermediate casing, monitor only the production dataly	05:							
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10:	-				······································		
D = No Flow: C = Continuous; D = Down to 0; V = Vapor			_					
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Ges BRADENHEAD SAMPLE TAKEN?	15:							
Yes No Gas Liquid	20:							
Character of Bradenhead fluid: Clear Fresh	25:	 						
Sulfur Salty Black		ļ					_	
Other: (describs)	30:							
Sample cylinder number:		Note in	stentan	aous Brad	enhead PSIG at	end of test:	>	
			0 TE	-				
17. STEP 4: INTERI	Elepsed Time		G 1E	≯I Fm:	Production	Intermediate	Intermediate	
Buried valve? Thes The Committee spans	(Min:Sec)	Tubing		Tubing	Casing PSIG	Casing PSIG	Flow:	
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:						2323	
acception of five minute intervals. Cheffecterize now in	05:	!	-	-			6565	
"Intermediate Flow" column using letter designations below:	10:	 		_			 -	
O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas						ļ.—-	6565	
	T15:					ļ		
INTERMEDIATE SAMPLE TAKEN?	1					i		
	20:	 						
	20:	-						
Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	25:							
Yes No Gas Liquid Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Gas Liquid	· 1							
Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	25:	nstantar	neous	ntermediat	a Casing PSIG	at and of test:	>	
Yes No Gas Liquid Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Character of intermediate fluid: Sample cylinder number:	25:	nstantar	habus	ntermedial	e Casing PSIG (at and of test	>	
Yes No Gas Liquid Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Gas Liquid	25:	nstantar	neous l	ntermedial	a Casing PSIG i	at and of test:	>	
Yes No Gas Liquid Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Character of intermediate fluid: Sample cylinder number:	25:	nstantar	neous I	nlemedial	a Casing PSIG i	at and of test	>	
Yes No Gas Liquid Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Character of intermediate fluid: Sample cylinder number:	25:	nstantar	neous	ntermediat	a Casing PSIG t	at and of test	>	
Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above.	25: 30: Note &							
Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above.	25: 30: Note &							
Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (deacribe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, Test Performed by: Title:	25: 30: Note to to the best	of my	knov	vledge, t	rue, correct, i	and comple		
Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, Test Performed by: Title:	25: 30: Note to to the best	of my	knov	vledge, t	rue, correct, i	and comple		
Character of intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are,	25: 30: Note is	of my	knov	vledge, t	rue, correct, a	and comple	ate.	

FOR DGCC USE DALY

Oil and Gas Conservation Comn	nission 100 Fex: 1303	894-21				
BRADENHEAD TEST RE				-		
Step 1. Record all tuning and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >25 psl. In sensitive Step 3. Conduct Bradenhead test. Step 4. Conduct Intermediate casing test. Step 5. Send report to BLIM within 30 days and to OGCC within 10 days. Include we submitted or if wellbore configuration has changed since prior program. At	e areas, 1 psu	if not pre	viously see if sempled.			
				11. Date of Te	est: [O] ?	51106
1. OGCC Operator Number: 2. Name of Operator: 4. API Number: 5. Multiple com 6. Well Name: Good Office South	- "13.5 CUO T CUO T] No RG7W	12. Well Statu Gas Lift Clock/Inter Plunger Lift 13. Number of	s: Flowing Pumping milter	Injection
10. Minerals: X Fee State Federal Indu						
Record all pressures as found Fm: Fm: CDL Fm:	Intermedi Csg:	ate	Surface Casing: 45	15. STEP 2: S	ea instructio	ons above.
STEP 3: BR	ADENHEA	D TES	T			
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time (Min:Sec)	Fm:	Fm: Tubing:	Production Cesing PSiG	Intermediate Casing PSIG	Bradenhead Flow:
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column	05:					
using letter designations below: D = No Flow;	15:					
BRADENHEAD SAMPLE TAKEN?						<u> </u>
Character of Bradenhead fluid: Clear Frash	20:			<u> </u>		
Sulfur Selty Black	25:					ļ
Other (describe)	30:					
Sample cylinder number:		Note ins	tentarieous Bradi	enhead PSIG at	end of test:	>
17. STEP 4: INTERIO	AEDIATE C	ASING	TEST			
Buried valve? Yes No Confirmed open? Yes No	Elepsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
With gauges monitoring production casing and tubing	00:	raceng.	140619	 		
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	D5 :			-		
D = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:	 		 		
H = Water H2O; M = Mud; W = Whitsper; S = Surge; G =Gas	15:			 		
INTERMEDIATE SAMPLE TAKEN?	20:	<u></u>		 	 	
Character of Intermediate field: Clear Fresh Sulfur Salty Black	25:					-
Other: (describe)	30:			 	-	
Semple cylinder number:	Note in	stantane	nous Intermediate	Casing PSIG a	it end of test	>
18. Comments:						
						
19. STEP 5: See instructions above.						
I hereby certify that the statements made in this form are,						te.
Test Performed by:	_		P	hone:		

mirror or
I Mark
200
TY CHAI
M GAS

State of Colorado Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109						
1120 Lincoln Street, Suits 801, Denver, Colorado 80203 (303) 654-2 BRADENHEAD TEST RE		~				
Step 2. Sample now, if intermediate or extract causing process. River 3. Conduct Bradenhead test.						
Step 4. Conduct intermediate casing test. Step 9. Conduct intermediate casing test. Step 8. Send report to BLM within 30 days and to OGCC within 10 days. Include in submitted or if wellbore configuration has changed since prior program. At	elbore diagram ach gas and iqu	if not pre- ad prelya	nously se il sampled	JI		
				11. Date of Te	st: 7 3) (-
1. OGCC Operator Number: 2. Name of Operator: KF KujuFinania	3. BLM Lea	e No:		12. Well Statu		
A API Number 30639 5. Multiple com		Yes 4	No		Pumping	
S Well Name STON Chronical Company	e <u>6-12</u>	<u> 177</u>	<u> </u>	Clock/Inter		
7. Location (OtrOtr, Sec. Twp, Rng. Meridian): SENN SC	<u> </u>	<u> 40</u>	1208 70 _	13. Number of		16:
a. County over the land of the land				Two [Three	Liner?
10. Minerale: X Fee State Federal Wildelin						
Tubing: Tubing: Prod. Casing:	Intermed	ate	Surface	15.		
Record all pressures as	Cag:		Casing:	STEP 2: S	ee instructio	ns above
found Fm: Fm: Sw.Sx Fm:Su.Sx			*			
STEP 3: BF	ADENHEA	D TFS	 iT			
16.	1	Fm:	Fm:	Production	Intermeduate	Bradenhead
Buried valve? 1 188 1 180 Committee opens 1 100 100	(Min:Sec)	Tubing	Tubing	Caung PSIG	Coung PSIG	Flow:
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if	00:	ļ			l	1
tubing pressures, open solitate only the production casing and no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals.	05:	-		+		
Define characteristics of flow in Bradenings of flow column	l	<u></u> .				
using letter designations below:	10:					
D = No Flow; C = Continuous; D = Down to u, V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surgs; G = Gas	15:	 -				
BRADENHEAD SAMPLE TAKEN?	<u> </u>					
Yes No Gas Liquid	20:					
Character of Bradenhead fluid: Clear Frash	25:					
Sulfur Salty Black						ļ <u>.</u>
Other: (describe)	30:				ļ	
Sample cylinder number:		Made in	itantaneous Brad	lanhead PSIG at	and of test:	>
	<u> </u>	TACKS III	THE STATE OF			
17. STEP 4: INTERI	MEDIATE (ASIN	TEST			T
Buried valve? Yes No Confirmed open? Yes No			Fm:	Production Casing PSIG	Intermediate Casing PSIG	Imermediate Flow:
With gauges monitoring production casing and tubing	(Min:Sec)	Tubing.	Tubing:			
With gauges monitoring production casing and turing		1	1.002.0		Cash F3io	<u> </u>
procesures open the intermediate casing valve. Record	30.		1,000,0		Cataly Polic	5,35.3
pressures, open the intermediate casing valve. Record	05:		1,000,0		Cassing Police	2323 6565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in *Intermediate Flow" column using letter designations below:	_				Casa y Polo	
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow: C = Continuous; D = Down to 0; V = Vapor	05:				Casig Polo	
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	05:				Casigratio	6565
pressures, open the intermediate casing valve. Record pressures at five minude intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN?	05:				Case y Cito	6565
pressures, open the intermediate casing valve. Record pressures at five minude intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid	05: 10: 15:				Case y - Oro	6565
pressures, open the intermediate casing valve. Record pressures at five minude intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid	05: 10: 15:				Case y - 310	6565
pressures, open the intermediate casing valve. Record pressures at five minude intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh	05: 10: 15:				Case y 7010	6565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vspor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sultur Salty Black	05: 10: 15: 20: 25: 30:					6965 6965
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vspor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Ssity Black Other: (describe)	05: 10: 15: 20: 25: 30:	nstantan	eous Intermedial			6965 6965
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vspor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	05: 10: 15: 20: 25: 30:	nstantan				6965 6965
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vspor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	05: 10: 15: 20: 25: 30:	nstantan				6965 6965
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vspor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	05: 10: 15: 20: 25: 30:	nstantan				6965 6965
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vspor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	05: 10: 15: 20: 25: 30:	nstantan				6965 6965
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	05: 10: 15: 20: 25: 30:	nstantan				6965 6965
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	05: 10: 15: 20: 25: 30: Note ii		eous Intermedial	te Casing PSIG s	at end of test	6565 6565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vepor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sultur Salty Black Other: (deacrbe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are,	05: 10: 15: 20: 25: 30: Note is	of my	eous Intermedial	te Casing PSIG a	at end of test	6565 6565
pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes	05: 10: 15: 20: 25: 30: Note is	of my	eous Intermedial	te Casing PSIG a	at end of test:	6565 6565

Signed: // Title: WITNESSED BY: ______ Title: ___ ____ Agency: ___

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Step 1. Record all Step 2. Semple no Step 3. Conduct B Step 4. Conduct II Step 5. Send repo- submitted 1. OGCC Ope 2. Name of O. 4. API Number	Dil and Gan Street, Suite 801, I BRA tubing and deang press, it intermediate or streethead test, intermediate dest, intermediate or streethead test, intermediate or streethead test, intermediate cashing base or it wellbors configure rator Number: perator: (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	tys and to OGCC within a soon has changed since	ion Comm 33 (303) 894-21 TEST RE -26 psl. In sensitive 10 days Include w prior program. Att	PORT s areas, 1 ptu elibore diagram ach gas and liq. 3. BLM Leas pleton?	if not pre- id prolys se No: Yes	vicusly see if ser		11. Date of Ter 12. Well Status Gas Lift Clock/Inter Plunger Lift	: Flowing Pumping mitter	Shut in
6. County	~~~							13. Number of	Three	Liner?
10. Minurals:	Fee L	State Feder								
14.	Tubing:	Tubiog:	Prod. Casing:	Intermedi	ate	Surfac	20	15.		
Record all pressures as	I DOM B	1400 Fm: 202 (D	450	Ceg:		Casin	5 I	STEP 2: S	ee instructio	ns above.
found	Fm:	Fm: 2/2 (D	Fm:N (5- C	<u>기</u> _						
			STEP 3: BR	ADENHEA	D TES	5T				
16.	□Vo- □No i	Confirmed open?		Elapsed Time			Fra:	Production Casing PSIG	Intermediate	Bradenhead Flow:
Buried valve?	_	tion, intermediate of		(Min:Sec)	Tubing:		Tubing:	Calang raid	Casting 1 or o	
		casing (bradenhea only the productio								
				05:						
Define charact using letter de	teristics of flow in signations below:	"Bradenhead Flow		10:	 			 		
O = No Flow;	C = Continuous;	D = Down to 0; Whisper; S = Sur	V = Vapor ma: G =Gas	15:	<u> </u>			ļ		
	SAMPLE TAKEN?			1 10.						<u> </u>
Yes	□ No	Gas	Liquid	20:						
Character of B	redenheed fluid:	Clest .	Fresh	25:	 			 		
Suttur	Salty	Black		ļ <u> </u>	ļ.					
Other: (c				30:						
Sample cylinde	r number:				Note in	atenian	ecus Brade	nhead PSIG at	end of test:	>
				<u> </u>			===			<u> </u>
17.		STE	P4: INTERI			G TES		T	intermediate	Intermediate
Buried valve?	Yes No	Confirmed open?	Yes No	Etapsed Time (Min:Sec)	Fm: Tubing		Fm: Tubing:	Production Casing PSIG	Casing PSIG	Flow
With gauges i	monitoring produc	tion casing and tul	bing	00:				T		2323
pressures, op	en the intermedia	ite casing valve. H als. Characterize fi	lecora low in	05:	 			 		1
Intermediate	Flow" column us	ing letter designati	ons below:		<u> </u>					8565
Q = No Flow;	C = Continuous	; D = Down to 0;		10:		- 1			ļ	6565
H = Water H2C	i; M = Mud; W	- Whisper; S = Su	:ge, u-ou	15:	1					
INTERMEDIAT	E SAMPLE TAKEN	7 -		20.						
☐ Yes	No No	Gas	Liquid	1				<u> </u>		<u> </u>
Character of I	ntermediste fluid:	☐ Biack	,	25.]				
Other: (c		<u> </u>		30:	 -				 	1 -
Sample cylinde	or number:			<u></u>	<u> </u>				<u> </u>	 -
				Note i	nstantar	neous k	ntermediate	Casing PSIG	at end of test	<u> </u>
18. Comme	nts:								 -	
19. STEP 5	: See instructio	ns above.								
I hereby cer	tify that the stat	ements made in	this form are,	to the best	t of my	know	iledge, tr	ue, correct, a	and comple	ete.
			Title:				F	hone:		_
V.2	ned by:	of 1	T #	GASE	(0000)	۶ ي	г	Date: [1.) OE	

Signed: Mctther Vint V Title: STAFF Great C3:5 7 Date: WITNESSED BY: _____ Agency: _____

FOR DECC USE ONLY

Oil and Gas Conservation Comm	ission												
1120 Lincoln Street, Suite 801, Danver, Colorado 80203 (303) 894-21	OD Fax: (303)	894-210	9	-		ļ							
BRADENHEAD TEST RE	PORT			۱									
Step 1. Record at tuting and casing pressures as found. Step 2. Sample now, it intermediate or surface casing pressure >25 psi. In sensitive	areas, 1 psi			[]									
Step 3. Conduct Bradenhead test. Step 4. Conduct Intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include within 30 days and to OGCC within 10 days. Include within 30 days and to OGCC within 10 days.	Silbore dusgram	r not pres	viously										
Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Process authorities or if wellbore configuration has changed alrice prior program. Alt	SCA DES EUG INC	0 11072		11. Date of Te	et li . C .	ربان بابان							
1. OGCC Operator Number:	3. BLM Leas	a No:		12. Well Status									
2. Name of Operator: 5. Multiple comp		Yes 2	No.		Pumping								
6. Well Name: F. D. M. (1) 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15		N) R	(1) W	Clock/Inter									
7 Location (OtrOtr, Sec. Two, Rag, Meridian):	A			13. Number of	Casing String								
10. Minerals: A Fee State Federal India					Three	Liner?							
14. STEP 1: EXISTING PRESSUR	Intermedi	ate	Surface	1									
Record all Subing: 375 306	Cag:		Casing:	15.	ee instructio	ns above							
pressures as found Fm: Fm: 55//12 Fm: 56/13	}		100	J 312:									
etep 3- RR	ADENHEA	D TES	ST										
10.	Elepsed Time	Fm:		Production	Intermediate Casing PSIG	Bradenhead Flow:							
B	(Min:Sec)	Tubing	Tubing	Caraing PS/G	Casing PSIG	T-GM:							
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and													
no intermediate casing, monitor may be the minute intervals. tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column	05:				!								
using letter designations below:	10:												
D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	15:												
BRADENHEAD SAMPLE TAKEN?				<u> </u>									
Yes No Gas Liquid	20:				İ								
Character of Bradenhead fluid: Clear Fresh Sulfur Salty Black	25:	-	-										
Sulfur Salty Succe	30:			_									
Sample cylinder number:		L				-							
Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: >													
		Note in	BURNISH GOOD DIE	Jeimes L2iC s									
STEP 4: INTERI	<u> </u>			Je (meac FSIC s									
17.	AEDIATE C	ASIN(G TEST	Production	Intermediate	Intermediate Flow							
Buried valve? Yes No Confirmed open? Yes No	AEDIATE C	ASIN	G TEST		Intermediate	Flow							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing	MEDIATE C Elepsed Time (Min:Sec)	ASIN(G TEST	Production	Intermediate								
Buried valve? Yes No Confirmed open? Yes No	AEDIATE C Etapsed Time (Min:Sec)	ASIN(G TEST	Production	Intermediate	Flow							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using latter designations below: O = No Flow: C = Continuous; D = Down to 0; V = Vapor	MEDIATE C Elepsed Time (Min:Sec)	ASIN(G TEST	Production	Intermediate	2323							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:	AEDIATE C Elepsed Time (Min:Sec) 00:	ASIN(G TEST	Production	Intermediate	2323 6965							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN?	MEDIATE C Expeed Time (Min: Sec) 00: 05: 10:	ASIN(G TEST	Production	Intermediate	2323 6965							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid	MEDIATE C Espeed Time (Min Sec) 00: 10: 15:	ASIN(G TEST	Production	Intermediate	2323 6965							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Yapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh	MEDIATE C Expeed Time (Min: Sec) 00: 05: 10:	ASIN(G TEST	Production	Intermediate	2323 6965							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh	MEDIATE C Espeed Time (Min Sec) 00: 10: 15:	ASIN(G TEST	Production	Intermediate	2323 6965							
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Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	MEDIATE C Espeed Time (Min:Sec) 00: 10: 15: 20: 25: 30:	ASING Fm:_Tubing:	G TEST	Production Casing PSIG	Intermediate Casing PSIG	2323 6565							
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Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	MEDIATE C Espeed Time (Min:Sec) 00: 10: 15: 20: 25: 30:	ASING Fm:_Tubing:	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	MEDIATE C Espeed Time (Min:Sec) 00: 10: 15: 20: 25: 30:	ASING Fm:_ Tubling:	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	2323 6565							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	#EDIATE O Expeed Time (Min: Sec) 00: 10: 15: 20: Note &	ASING Fm: Tubing:	G TEST Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	2323 6963 8565							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, Title:	MEDIATE C Espeed Time (Min Sec) 00: 10: 15: 20: 25: 30: Note is	ASINO Fm: Tubing:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	2323 6963 8565							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: I hereby certify that the statements made in this form are, Test Redommed by: Title:	MEDIATE C Espeed Time (Min Sec) 00: 10: 15: 20: 25: 30: Note is	ASINO Fm: Tubing:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	2323 6963 8565							
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number: 18. Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, Title:	MEDIATE C Expeed Time (Min:Sec) 00: 15: 20: 25: 30: Note is	ASING Fm: Tubing: af my 620	Fm:Tubing:	Production Casing PSIG the Casing PSIG true, correct, Phone: Date: _//	Intermediate Casing PSIG	2323 6963 8565 22 23 23 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25							

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FOR DECC USE ONLY FORM State of Colorado 17 Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109 BRADENHEAD TEST REPORT Bitsp 1. Record all tubing and casing pressures as found.

Step 2. Sample now, if intermediate or surface casing pressure >26 pel. In sensitive areas, 1 pel.

Step 3. Conduct Bradenhead feel.

Step 4. Conduct Intermediate casing feet.

Step 4. Conduct Intermediate casing feet.

Step 5. Send report to Elik within 30 days and to OGCC within 10 days. Include welftone diagram if not previously.

Step 6. Send report to Elik within 30 days and to OGCC within 10 days. Include welftone diagram if not previously. 11. Date of Test: 11-8-06 1. OGCC Operator Number:_ 12. Well Status: Flowing Shut in 006 _ 3. BLM Lease No: 2 Name of Operator: とっていい Gas Lift Pumping 🔲 injection 7. Location (OtrOtr, Sec. Twp, Rng, Meridian): NEVE SEC 4 13N R65W

8. County: Wald 9. Finish Name: 4. API Number: 033355 Clock/Intermitter Plunger Lift 13. Number of Casing Strings: Two Three 10. Minerals: Fee State Federal Indian STEP 1: EXISTING PRESSURES 14. Intermediate Surface Prod. Casing: Tubing: Tubing: Casing 190 Ceg: Record all 13() STEP 2: See instructions above. pressures BE Fm:SMSX Fm: Su, S x found STEP 3: BRADENHEAD TEST Bradenhead Buried valve? Yes No Confirmed open? Yes No Elepsed Time Fm: intermed@to Production Fm: Ceang PSIG Caung PSIG Tubing With gauges monitoring production, intermediate casing and DO: With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column U. 10 using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whiteper; S = Surge; G = Gas BRADENHEAD SAMPLE TAKEN? 20: Liquid □ No Gas. Yes Character of Bradenhead fluid:

Clear Fresh 25 ☐ Setty Black Suffur 30: Other: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST Production Intermediate Intermediate Elapsed Time Buried valve? Yes No Confirmed open? Yes No Fm: Casing PSIG Casing PSIG (Min:Sec) Tubino Tubing 00: With gauges monitoring production casing and tubing 2323 pressures at five minute intervals. Characterize flow in 65 "Intermediate Flow" column using letter designations below: 8565 10: D = No Flow; C = Continuous; D = Down to 0; V = Vapor 6565 H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas INTERMEDIATE SAMPLE TAKEN? Liquid ☐ Gas ☐ No Yes Character of Intermediate fluid: Clear Fresh 25. ☐ Black Salty Sulfur 30: Diher: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSiG at and of test: Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Test Performed by:

Title: S7#4 Golog Date: Signed: 1 _ Agency: ___ Title: __ WITNESSED BY:

WITNESSED BY: ___

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FOR DESCRISE ONLY

State of Colorado State of Colorado									
Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109									
BRADENHEAD TEST REPORT									
Band Band									
Step 2. Sample	Step 2. Sample now, it intermediate or stateout seating pro-								
exam 4 Conde	of intermediate casing less apport to BLM within 30 day ted or if wellpore configure	t. ys and to OGCC within then has changed sinci	10 days include wi pnor program Alt	elibore duignim ach gas and liqu	if noi previ ed analyse	outly s if sampled			
							11. Date of Te	at: 8 3	<u> </u>
1. OGCC C	1. OGCC Operator Number: 2. Name of Operator: 1/1(4						12. Well Status		
a a rea bit.	J5624		5 Militipia comi		Yes	_ No i	Ges Lift (Injection
6. Well Name: STATE PLA (1301 Number:									
7. Location 8. County:	Landela	9, FR	PKI Manner —				13. Number of	Casing String:	s: Liner?
10. Minerals: Fee State Federal Indian 14 STEP 1: EXISTING PRESSURES									
14.		TEP 1: EXISTIF	Prod. Casing:	Intermedi	ate .	Surface	15.		
Record al		384	707	Cag:		Casing:		ee instruction	ns above.
pressures (found	Fm:	FMJMB&B_	FMJBAC	<u> </u>					
40			STEP 3: BR	ADENHEA	D TES	T			
16. Buried valve	Yes Dine	Confirmed open?		Etapsed Time	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
		ion intermediate	casing and	(Min:Sec) D0:	Tubing	Tubing	 		
tubing pres	sures, open sunace	Capilly (praceute)	an casing and	05:					
				03.			<u></u>		
tubing pressures.) Record pressures at the property of the characteristics of flow in "Bradenhead Flow" column using letter designations below: Using letter designations below: De No Flow: Ce Continuoss: D = Down to 0; V = Vapor			10:						
O = No Flow	; C = Continuous; 20; M = Mud; W =			15:		_	-		
	AD SAMPLE TAKEN?			20:	-		 		
☐ Y89	□ No	Gas Gas	Liquid Fresh				 		
Character of Sulfu	f Bradenhead fluid:	☐ Black	1 (024)	25:					
	r: (describe)			30:					
Sample cylin	der number:	·		 	<u> </u>	tantarieous Brad	band BSIG of	end of test	<u> </u>
		<u></u>			Note ins	tantaneous Brao	enness PSIG E		
17.		STI	P 4: INTERI	MEDIATE C	ASING		· · · · · · · · · · · · · · · · · · ·		Intermediate
	7 Yes No	Confirmed open?	Yes No	Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	intermediate Casing PSIG	Flow:
14505	e maniforing produc	tion casing and tu	bing	00:					2323
pressures,	open the intermedia	ite casing valve. I is: Characterize f	Now in	05:	 				
*)ntermedia	ite Flow" column usi	ing letter designati	One Delon.						8965
O = No Flow	r; C = Continuous; 20; M = Mud; W =	D = Down to 0;		10:				<u></u>	6585
H = Water h	ZU; M=MDG; W	- virineheri 0 - 50		15:					
	ATE SAMPLE TAKEN	? □ Gas	Liquid	20:	 		 		
Character (of Intermediate fluid:		Fresh	25:	<u> </u>		 	 	
Sulfu	_	☐ Black		l					
	(describe)			30:					
Sample cyli	nder number:			Note I	nstantan	sous intermediat	e Casing PSIG	at end of test:	>
									'
18. Come	neritä:								
L===									
19. STEP	5: See instruction	ns above.							
I hereby o	ertify that the state	ements made in	this form are,	to the best	of my	knowledge, ti	ue, correct,	and comple	te.
Test Perfo			Title				-none:		
	Mother B		Title:	57411	scoli	715T	Date:	· · · · · ·	<u> </u>
Signed: _/	your p	<u> </u>					Agency:		
MITNESSI	FD BY:		Title:				-geney		

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William N	
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FOR DECCUSE DALY State of Colorado Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109 BRADENHEAD TEST REPORT Stap 1, Record all tutuing and casing pressures as found.
Stap 2, Sample now, if intermediate or surface casing pressure >25 pal. In sensitive areas, 1 psl.
Stap 3, Conduct Bradenhead teal.
Stap 4, Conduct Intermediate casing test.
Stap 5, Send report to EliM within 30 days and to OGCC within 10 days. Include welforce diagram if not previously submitted or if welforce configuration has changed since prior program. Attach gas and liquid energies if as 11. Date of Test: 11. 8. 36 1. OGCC Operator Number:_ 12. Well Status: Flowing Shut In 3. BLM Lease No: 2. Name of Operator: Encare (2 4 C Gas Lift Pumping I Injection 4. API Number: D9106 Number: 🖈 🗘 Clock/Intermitter 5. Well Name: Ditoro Well Name: \(\text{\tince}\text{\texi}\text{\text{\texi}\tint{\text{\texi}\tint{\text{\texi}\tint{\text{\text{\text{\texi}\tinint{\t SICILI THN PLECT Plunger Lift 13. Number of Casing Strings: 9. Field Name: ______A Two Three 8. County: VX (9 State Federal Indian 10 Minerals: K Fee STEP 1: EXISTING PRESSURES 14. inlarmediate Surface Prod Casing: Tubing: Tubing: Casing: 170 Cag: STEP 2: See instructions above. Record all 80 pressures 86 found \circ Fm: S NSX Fm:545x Em: STEP 3: BRADENHEAD TEST 16. Bradenhead Buried valve? Yes No Confirmed open? Yes No Elepsed Time Fm: intermediate Production Fm Casno PSIG Caung PSIG Tubing Tubing With gauges monitoring production, intermediate casing and 00. with gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: 05. 10: D = Down to 0; V = Vapor O = No Flow: C = Continuous; H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas BRADENHEAD SAMPLE TAKEN? 20: Liquid Gas ☐ No ☐ Yes Fresh Character of Bradenhead fluid: Clear 25: ☐ Black Salty Sulfur 30: Other: (describe) Sample cylinder number: Note instantaneous Bradenhead PSIG at end of test: STEP 4: INTERMEDIATE CASING TEST Intermediate Intermediate Production Buried valve? Yes No Confirmed open? Yes No Etapsed Time Casing PSIG Flow Casing PSIG (Min:Sec) Tubing Tubing 00: With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in 05: "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whitsper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? ☐ Gas ☐ No ☐ Yes Fresh Character of Intermediate fluid: Clear 25: Salty Black Sulfur 30: Ciher: (describe) Sample cylinder number: Note instantaneous Intermediate Casing PSIG at end of test 18 Comments: 19. STEP 5: See instructions above. I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Test Performed by:

Title: 5144 6000 Date: 11.8.06 Signed: NVIII

WITNESSED BY:

Title: _

_ Agency: _

FON DGCC USE DALY

State of Colorado 17 Dil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2109 Fax: (303) 894-2109							N DGCC USE OMEY	
1120 Lincoln Street, S	BRADENHEAD	TEST RE	PORT		<u> </u>			
Step 3. Conduct Bradenheso Step 4. Conduct Intermediate	s casing pressures as found, nedsite or surface casing pressure : I feet.	>25 pai. In sensitiv	a areas, 1 psu	if not pre-	viously les if sampled.			
enputiting of it meads	STORY TO STORY THE STORY T			===		11. Date of Te	st:11-9-0	6
1. OGCC Operator Number: 2. Name of Operator: ENCENG Oサ の 4. API Number: 「2021							Pumping mitter Casing String	Injection
10. Minerals: DE Fe	STEP 1: EXISTIN		RES					
Record all pressures as found Fm:		Prod. Casing:	intermed Cag:	ate	Surface Casing:	15. STEP 2: S	ee instructio	ns above
16.		STEP 3: BR	ADENHEA	D TES	ST			
Buried valve? Yes	No Confirmed open?	Yes No	Elepsed Time (Min:Sec)	Fm:	Fm: Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradennead Flow:
With gauges monitoring tubing pressures, oper no intermediate casing tubing pressures. Republic to the control of the control	g production, intermediate of surface casing (bradenhet), monitor only the production cord pressures at five minuliof flow in "Bradenhead Flowns below; of the below; of the below; of the below; of the below; of the below; of the below;	n casing and te intervals.	00: 05: 10:	TUDING	Tablis			
H = Water H2O; M = M	lud; W=Whieper; S=Su	ge; G=Gas	15:	_				
BRADENHEAD SAMPLE	□	Liquid	20:	 				
Character of Bradenha		Fresh	25:	-				
Sulfur	—		25.					
Other: (describe)			30:					
Sample cylinder number	:			Note in	stantaneous Brad	enhead PSIG at	end of test:	>
	STE	P 4: INTER	MEDIATE (ASIN	G TEST			
17.	No Confirmed open?		Etapaed Time (MirrSec)	Fm:	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
Meh sauses monitoris	or production casing and tu	bing	00:	Tubing	Tubing			7323
pressures, open the in	ntermediate casing valve. In the intervals. Characterize f	low in	05:	-				6585
	olumn using letter designation ontinuous: D = Down to 0;		10:	-		 		
O = No Flow; C = Co	ontinuous; D=Down to 0; ljud; W=Whisper; S=Su		15:	<u> </u>			 	6565
INTERMEDIATE SAMPL	F TAKEN?		Ī	ļ			ļ	ļ
☐ Yes ☐	No Gas	Liquid	20.					
Character of Intermedi	lata fluid: 🗌 Clear 🔛 Salty 🔲 Black	Fresh	25:	<u> </u>				
Other: (describe)			30:	1				
Sample cylinder number	r:		Note i	natantar	neous Intermediat	e Casing PSiG	at end of test:	>
18. Comments:								
19. STEP 5: See in	nstructions above.	abila 6	ta tha ha-	t of m	knowledne t	nie correct :	and comple	ete.
	the statements made in							
Test Performed by:	W.J.	t me:	514CE (n SDR	:0/3T	Date:	1. 5	
O.g.100.								

# COLDENS	FOR OGCC USE

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Dil and Gas Conservation Commission 1120 Lincoln Street, Sute 801, Denver, Colorado 80203 (303) 894-2100 Fex: (303) 894-2109											
1120 0	BRA	DENHEAD TEST	REP	ORT							
Step 1. Reco									-		
Step 2. Samp	oks nów, if intermediate of a carl Bradenhaed 1861.	Direct County broadens				- . .					
Step 4. Cond Step 5. Send	uct Intermediate casing ter report to BLM within 30 da	it hys and to OGCC within 10 days. Inch ation has changed since prior progran	uda wolld n Altach	oue graduation	r not pre-	viously	J <u></u>				
==							11. Date of Te	s t [].) (
2 Name	Operator Number: of Operator: Encire	oc. Öτÿ 5. MuHiple					12. Well Status	: Flowing	Shut In		
A APINI	mhar G. 8 33	Gas Lift Pumping Injection									
4. API Number: 14. 6. Well Name: Ed. To AND Number: 17. 7. Location (OtrOtr, Sec. Twp, Rng, Meridian): NESE SECAL TAN RECOVER. 9. Eveld Name: CANA.								☐ Clock/intermitter ☐ Plunger Lift			
7. Location (OtrOtr, Sec. Twp, Ring, Mericular). 8. County: 4. 9. Field Name: 6. A								13. Number of Casing Strings: Two Three Liner?			
10. Minerals: A Fee Siste Federal industr								11900	L. Limbir		
14.		Tubing: Prod. Cast		Intermedi	.,,	Surface	-				
Record a	Tubing:	Tubing: Prod. Call		Ceg:	-115	Casing:	16.	ee instructio	ns above		
pressures found		FMJUBED FMJUS				28	SIEF Z. S.	GO III ali DOGO			
	Fm:			DENUEA	D TES	т	<u> </u>				
16.		STEP 3:			Fm:	Fm:	Production	Intermediate	Bradenhead		
	– –	Confirmed open? Yes .	(1)	tin:Sec)	Tubing	Tubing	Casing PSIG	Casing PSIG	Flow:		
		tion, intermediate casing and casing (bradenhead) valve (if		Ω:							
no interme	diate casing, monitor	erree of five minute intervals.		5:							
I Define cha	racteristics of flow in designations below:	DISORIGINATO LIDA COLOUR		D:							
D . No Flor	w: C = Continuous;	D = Down to 0; V = Val	por	•							
		Whisper; S = Surge; G =G	** T	5:							
l <u> </u>	EAD SAMPLE TAKEN?	□ Gas □ Liq	uld 2	0 :			 				
Character	of Bradenhead fluid:		一,	5:					-		
Suffi		☐ Bisok	1	a :							
□ Oth	er: (describe)		3	0:							
Sample cyl	inder number:		- }-		L		ienhaad PSIG at	and of test			
	· <u>. </u>				Note in	STEUTHOUR DISC	Jennosu i Sio ui				
17.		STEP 4: INT							, 		
Buried veiv	e? Yes No	Confirmed open? Yes	No E	ispeed Time Ain:Sec)	Fm: Tubing.	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:		
Mich cour	es monitorina nraduk	tion casing and tubing		0:	TODAY.				2323		
	seen the intermedia	nte casing valve. Record his. Characterize flow in	h-6)5:	ļ				 		
"intermedi	ate Flow" column us	ing letter designations below:	ا ا						8585		
D = No Flo	w; C = Continuous	D = Down to 0; V = Ve	, I	0:					6565		
H = Water	HZO; M≃Mud; W	- Whisper; S = Surge; G = G	1	5;	 			<u> </u>			
INTERMED	IATE SAMPLE TAKEN		, ,				_				
☐ Ye		Ges Liq	- Bull								
Character Sulfu	of intermediate fluid:	☐ Black	2	25.							
1 =	ir: (deacribe)			50 :	 						
Sample cyl	Inder number:		<u> </u>					1	<u> </u>		
				Nole k	nstantan	eous Intermedia	te Casing PSIG a	at and of test:	<u> </u>		
18. Com	ments:										
19. STEF	5: See instructio	ns above.									
l hereby	certify that the stat	ements made in this form	are, to	the best	of my	knowledge, t	rue, correct, a 	and comple	ie.		
Tact Darfo	rmed by	Tii	tle:				Phone:				
Signad:	View	V. J. X Ti	tle: 🏹	W	ska j	ভৰ	Date:	<u> </u>			
							Agency:				
WITNESS	ED BY:		e	<u> </u>			9=1,				

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FOR DECCUSE ONLY

Dil and Gas Conservation Comm	UD ENV: 1303) 1221011	R94-2109	Wight)			
1120 Lincoln Street, Suite 801, Denver, Calarado 80203 (303) 894-21 BRADENHEAD TEST RE	PORT					
]		
Step 2. Sample now, if intermediate or surrect bearing pro-						
step 3. Conduct Intermediate casing test. Step 6. Conduct Intermediate casing test. Step 6. Send report to SLM within 30 days and to DGCC within 10 days. Include we submitted or if wellbore configuration has changed alnow prior program. Art	elibore duignim act gas and liqu	d BusiAss	a if sampled	<u> </u>	<u>. </u>	
and a second bumber				11. Date of Ter		
2. Name of Operator: Kings of the Company of the Co	3. BLM Leas	· —		12. Well Status	: Flowing	Shut in
Name of Operator	r CA 4	Yes] MD	Gas Lift [in/ection
5. Well Name: 51.115 AUG. Rng, Meridian): Science CELO	LILT i	R.68	12	Plunger Lift		
e. County: VOC						s: Liner?
10. Minerals: Dr Fee State Sta						
Tubing: Tubing: Prod. Casing:	intermediate			15.		
Record all	Cag:		· - • -	STEP 2: Se	e instructio	ns above.
found Fm: FmS-CDL Fm:S-CD	<u>- </u>		<u> </u>			
16. STEP 3: BF	ADENHEA	D TES	r			B 4
	Elapsed Time	Fm:	Fm: Tubing:	Production Casing PSIG	Caung PSIG	Eradannasa Flow:
in the analystical intermediate casing and	00:	100.00				
tubing pressures, open surface casing (S reduction casing and	05:					
tubing pressures.) Record pressures at the filling column Define characteristics of flow in "Bradenhead Flow" column	 					
using latter designations below.	10:					
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	15:					
BRADENHEAD SAMPLE TAKEN?	20.		_			
	16:	ļ				-
Sulfur Salty Black	25,				<u> </u>	
Other: (describe)	30:					
Sample cylinder number:		Note inst	iBr	adenhead PSIG at	and of test:	>
						<u> </u>
	<u></u>					
17.				Production	Intermediate	Intermediate
Buried valve? Yes No Confirmed open? Yes No	Etapeed Time (Min:Sec)		TEST Fm: Tubing:			Intermediate Flow
Buried valve? Yes No Confirmed open? Yes No	Etapsed Time	Fm:	Fm			
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	Etapeed Time (Min:Sec)	Fm:	Fm			Flow
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in Intermediate Flow" column using letter designations below:	Etapsed Time (Min:Sec) 00:	Fm:	Fm			2323 e585
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in Intermediate Flow" column using letter designations below:	Espeed Time (Min:Sec) 00: 05:	Fm:	Fm			2323
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in Intermediate Flow" column using letter designations below: C = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	Espeed Time (Min:Sec) 00: 05: 10: 15:	Fm:	Fm			2323 e585
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid	Espeed Time (Min:Sec) 00: 05:	Fm:	Fm			2323 e585
Step 4 Fooders Step Fooders Step Fooders Step Existing PRESSURES						
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black	Elepaed Time (Min: Sec)	Fm:	Fm			2323 e585
Buried valve?	Elepsed Time (Min: Sec)	Fm:Tuberg:	Fm: Tubing:	Casing PSIG	Casing PSIG	2323 e565 6566
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe)	Elepsed Time (Min: Sec)	Fm:Tuberg:	Fm: Tubing:	Casing PSIG	Casing PSIG	2323 e565 6566
Buried valve?	Elepsed Time (Min: Sec)	Fm:Tuberg:	Fm: Tubing:	Casing PSIG	Casing PSIG	2323 e565 6566
Buried valve? Yes No Confirmed open? Yes No With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Suffur Salty Glack Other: (describe)	Elepsed Time (Min: Sec)	Fm:Tuberg:	Fm: Tubing:	Casing PSIG	Casing PSIG	2323 e565 6566
Buried valve?	Elepsed Time (Min: Sec)	Fm:Tuberg:	Fm: Tubing:	Casing PSIG	Casing PSIG	2323 e565 6566
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid Character of Intermediate fluid: Clear Fresh Sulfur Salty Black Other: (describe) Sample cylinder number:	Elepsed Time (Min: Sec)	Fm:Tuberg:	Fm: Tubing:	Casing PSIG	Casing PSIG	2323 e565 6566
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow;	Espeed Time (Min: Sec) 00: 10: 15: 20: Note i	Fm:Tubing:	Fm: Tubing:	Casing PSIG	at and of test	2323 e565 6586
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: O = No Flow;	Espeed Time (Min:Sec) 00: 06: 10: 15: 20: 25: Note if	Fm:Tubeng:	eous Intermed	Casing PSIG	at and of test	2323 e565 6586
Burled valve?	Espeed Time (Min: Sec) 00: 10: 15: 20: 25: Note i	Fm:Tubing:	Fm: Tubing:	Casing PSIG	at and of test	2323 e565 6586
Buried valve?	Espeed Time (Min: Sec) 00: 10: 15: 20: 25: Note i	Fm:Tubing:	Fm: Tubing:	Casing PSIG	at and of test	2323 e565 6586

WITNESSED BY: _____

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State of Colorado						}		
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1120 Lincoln Street, Suite 801, Denver, Coloredo 80203 (303) 894-21 BRADENHEAD TEST RE				ļ				
Step 2. Sample now, if intermediate or sustained and				ļ				
Step 3. Conduct Intermediate casing test. Step 4. Conduct Intermediate casing test. Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include will submitted or if wellbore configuration has changed since prior program. Att	mangana dunganan i	r not previous d analyses if i	y sampled					
submitted or if wellbore configuration has changed since proxip by				11. Date of Ter	11 11.9	36		
1. OGCC Operator Number: 2. Name of Operator これにのいた ひょじ-	3. BLM Leas	a No:		12. Well Status				
5 Multiple com	Gas Lift [Pumping [Injection					
A. API Number: Number: #1 Clock/Intermitter Clock/Intermitter								
7. Location (CirCitr, Sec, Twp, Rog, Meridian):	13. Number of	Casing String						
8. County: Welck 9. Field Name: C 22 Two Three Lin								
14. STEP 1: EXISTING PRESSUR		. Ta						
Record all Tubing: Tubing: Prod. Casing: 6			tace sing:	15.		ac about		
I CVASSIATE AS I	· • I	1 1	0	STEP 2: S	ee instructioi	IS BOOVE.		
found Fm: Fm: CDL Fm: CDL								
16. STEP 3: BR			Fm:	Production	Intermediate	Bradenhead		
Buried valve? Yes No Confirmed open? Yes No	Elapsed Time (Min:Sec)	Tubing	Tubing	Casing PSIG	Casing PSIG	Flow:		
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (pradenhead) valve (flushing pressures, open surface cash) to production casing and	00:							
tubing pressures, open surrace casing triad tubing pressures, open surrace casing monitor only the production casing and no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals.	05:		-					
Define characteristics of flow in "Bradenhead Flow" column	n:		ļ					
using letter designations below: C = No Flow; C = Continuous; D = Down to 0; V = Vapor	10.		<u></u>					
H = Water H2O; M = Mud; W = Whisper; B = Surge; G = Gas	15:							
BRADENHEAD SAMPLE TAKEN?	20:							
Character of Bradenhead fluid: Clear Fresh	25:		<u> </u>					
Sulfur Salty Black	25.	:		<u> </u>				
Other: (describe)	30:							
Sample cylinder number:		Mote instant	anaous Brade	enhead PSIG at	end of test:	>		
	<u> </u>							
17. STEP 4: INTERI				Production	Inlarmediate	Intermediate		
Buried valve? Yes No Confirmed open? Yes No	Etepsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Casing PSIG		Flow		
With gauges monitoring production casing and tubing	00:					2323		
pressures, open the intermediate casing valve. Record	05:	 	 	 				
"intermediate Flow" column using letter designations below:	18.					8505		
O = No Flow; C = Continuous; D = Down to 0; V = Vapor	10:		ŀ			6565		
H = Water H2O; M = Mud; W = Whiaper; S = Surge; G = Gas	15:							
INTERMEDIATE SAMPLE TAKEN?	20:	 	_	+				
Character of Intermediate fluid: Clear Fresh	25.							
Sulfur Salty Black	1				ļ			
Other: (describe)	30:					}		
Sample cylinder number:	Note h		a Intermediat	e Casing PSIG	at end of test	>		
	Note	I BORT I SHOOT	-					
18. Comments:								
								
19. STEP 5: See instructions above.								
Thereby certify that the statements made in this form are,	to the best	t of my kn	owledge, ti	rue, correct,	and comple	ete.		
Title				Phone:				
est Performed by	144 6	rzataka	T.	Date: _//	7.04			
Signed: Mittle Will Title:								
				Agency:				

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State of Colorado Oil and Gas Conservation Comm 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-21	DO GAS	ro 	N OGCC USE ONLY			
BRADENHEAD TEST RE		-				
Step 1. Record all tubing and casing pressures as found. Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive						
Rise 3. Conduct Bradenheed 1894.		ran are	ansatki			
Step 4. Conduct Intermediate casing last. Step 8. Send report to BLM within 30 days and to OGCC within 10 days. Include we submitted or it welbors configuration has changed since prior program. Atta	ich gas and hou	d analys	ee if sampled			
				11. Date of Te		
1. OGCC Operator Number: 2. Name of Operator: Merit Energy 4. API Number: 13761 5. Multiple comp 5. Well Name: 150 Kcr # 577 Number Number: 150 Kcr # 577 Number	3. BLM Least	e No: _		12. Well Status		
4. API Number: 137611 5. Multiple comp	Gas Lift [Injection			
7 Applian (CitrOtt, Sec.) Wu, Nits, marking y, 1 v v		611		Plunger Lif	<u> </u>	
8. County: NCICA Section Section Indian		13. Number of	Casing Suing Three	s: Uner?		
10. Minerals: A Fee Suite						
Tubing: Tubing: Prod. Casing:	Intermedi	Ate	Surface	15.		
Record all	Ceg:		Casing:	STEP 2: S	ee instructio	ns above.
found Fm: Fm: NB-CD Fm: NB-C	<u> </u>					
STEP 3: BR	ADENHEA	D TES	iT			
16. STLF 5. SI	Elapsed Time		Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenneed Flow:
assistance reprincipe production intermediate casing and	(Min:Sec) DO:	Tubing:	Tubing	Çesig i Sio	0320.3 : 0.0	
tubing pressures, open surface casing (placetimesu) value (si						
	05:					
Define characteristics of flow in "Bradenhead Flow" column using letter designations below:	10:		_			_
O = No Flow; C = Continuous; D = Down to 8; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas	15:			 		
BRADENHEAD SAMPLE TAKEN?	10.					
Yes No Gas Liquid	20:					
Character of Bradenhead fluid: Clear Fresh	25:					
Sulfur Salty Black	30:					
Other: (describe) Sample cylinder number:	30.					_
Sample Cyulides Hullians.		Note in	stantaneous Brad	enhead PSIG at	end of test:	>
	TO LATE C	A CINI	- TEST			
17. STEP 4: INTERN	Elapsed Time	Fm:	Fm:	Production	Intermediate	Intermediate
Buried vsive? Yes No Confirmed open? Yes No	(Min:Sec)	Tubing	Tubing	Casing PSIG	Casing PSIG	Flow:
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record	00:	[2323
I processes at five minute intervals. Unaracterize for in	05:	 		1		6565
Intermediate Flow" column using letter designations below:	10:	ļ. <u>. </u>			 	1
D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	L	<u></u>				6565
	15:		ļ			
INTERMEDIATE SAMPLE TAKEN?	20.	 				
Character of Intermediate fluid: Clear Fresh	25:	-		 		<u> </u>
Sulfur Salty Black					ļ	
Other: (describe)	30:	Ì				
Sample cylinder number:	Note it	l	eous Intermediat	e Casino PSIG	at end of test	>
	HOW					<u> </u>
18. Comments:						
						
19. STEP 5: See instructions above.						
Thereby certify that the statements made in this form are,	to the best	of my	knowledge, tr	ue, correct, a	and comple	ite.
Test Destroyed by:		_ ′		Phone:		
Test Performed by: (\hat{p})	- uc 1	7.51	gist i)//.	3.C/2	
Signed: Million Title:	Alakii C		ا	Jale		

Title: _

_ Agency: __

WITNESSED BY:

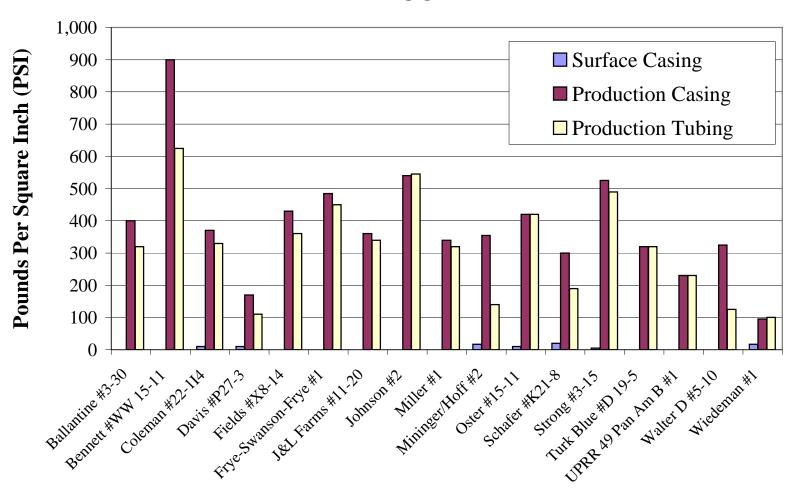
FOR DGCC USE ONLY

17	Oil and Ga	as Conservat	tion Comm	ission		(本)			l		
1120 Lincoln	Street, Suita BO1, I	Danver, Colorado 802	03 (303) 894-21	OD Fax: (303)	894-210	رقمهای و					
		DENHEAD	TEST RE	PORT					ĺ		
Step 2, Sample no Step 3, Conduct B Step 4, Conduct in	rederihend 1891. Hennodista chaing tas	L		dente dispersion	if not pray	nously					
Step 5. Send report	or if wellbone configura	ys and to OGCC within short has changed since	phor program. After	ech gas and liqu	ed analysi	e if sampled	11. Date of Te	11. 2.C	7[
1. OGCC Oper	rator Number:	6(:		3 RIM Lea	ia No:						
2. Name of Operator Number: 3. BLM Lease No: 4. API Number: 1. S. Multiple completion? Yes No. Number: 5. Multiple completion?								12. Well Status: Flowing Shut In Gas Lift Pumping Injection			
5. Well Name:	WETER D	Clock/Inter									
7. Location (Q 8. County:	krOti, Sec. Twp. Ri	13. Number of		s:							
10. Minerals:	☑ Fee	State Fede					Two L	10x6ea	Lineit		
14.	Tubing:	TEP 1: EXISTIN	I mare a construction	intermedi	ate	Surface	15.				
Record all pressures as	, ruomy.	135	-325	Cag:		Casing:		ee instruction	ns above.		
found	Fm:	Fm: (3/02	Fm:(い <u>む</u> し								
16.			STEP 3: BR	ADENHEA	D TES			·	- I		
Buried valve?	Yes No	Confirmed open?	Yes No	Elepsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Production Casing PSIG	Intermediate Cazing PSIG	Bradenhead Flow:		
		tion, intermediate o		00:							
no intermediate	e casing, monitor	curse at five minul	te intervals.	05:	_		 -				
Define charact	eristics of flow in signations below:	-RISCHULARO LION	r column	10:							
D = No Flow:	C = Continuous;	D = Down to 0;	V = Vapor								
	SAMPLE TAKEN?	Whisper; S = Sur	<u> </u>	15:							
Yes	□ No	Gas	Liquid	20:							
	radenhead fluid:		Fresh	25:							
Sulfur Other: (d	Salty	☐ Black		30:	-						
Sample cylinder					L						
					Note ins	tantaneous Brad	enhead PSIG at	end of test:	<u> </u>		
17.		STE	P 4: INTERN	AEDIATE C	ASING	TEST			•		
	Yes No	Confirmed open?	Yes No	Elapsed Time (Min:Sec)	Fm: Tubing.	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:		
With gauges r	nonitoring produc	tion casing and tu	bing	00:	10000				2373		
progruege at fi	wa minirka intanya	ite casing valve. R ils. Characterize f	KOMA ILI	05:	!						
Intermediate	Flow" column us	ng letter designati	ORE DEIOW:	10:	ļ		 		8565		
O = No Flow; H = Water H2O	C = Continuov∓ ; M = Mud; W •	; D = Down to 0; • Whisper; S = Su			<u> </u>				6565		
				15:							
Yes	E SAMPLE TAKEN No	Gas _	Liquid	20.							
I	stermediate fluid:	Clear	Fresh	25:	 						
Sulfur Other: (de	Salty			30:	-	 -	+	 			
Sample cylinde				<u> </u>					 		
				Nate is	nstantan	eous Intermediat	e Casing PSIG	at end of test:	*		
18. Commer	its:										
	See instructio										
I hereby cert	ify that the stat	ements made in	this form are,	to the best	of my	knowledge, ti	ue, correct, a	and comple	te.		
Test Perform	ed by:		Title:				Phone:				
Signed: M	राष्ट्रिक	X7. July	Title:	STAFF	(23.21	03.57	Date:	×, 7 (-			
			Title:				Agency:				

APPENDIX C PRESSURE READINGS RESULTS CHARTS

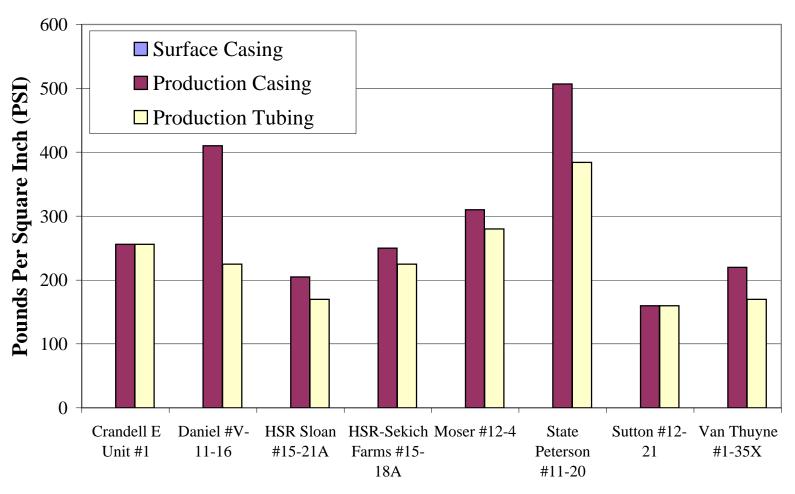


PRESSURE READINGS RESULTS CODELL





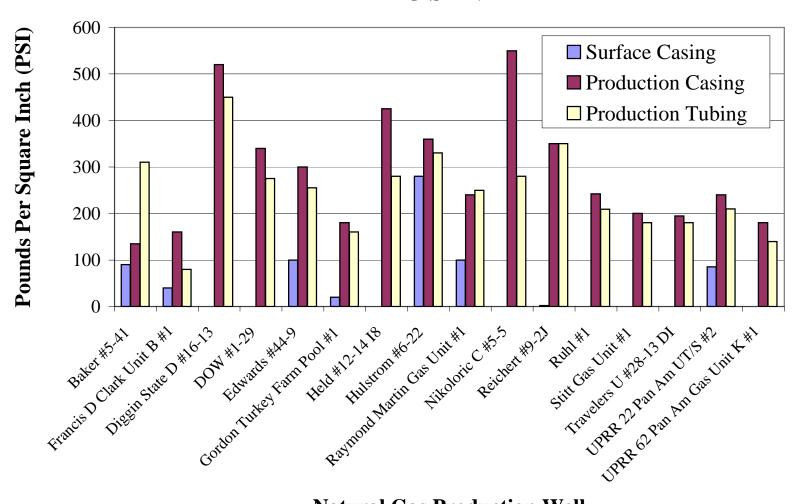
PRESSURE READINGS RESULTS J SAND / NIOBRARA / CODELL



Natural Gas Production Well

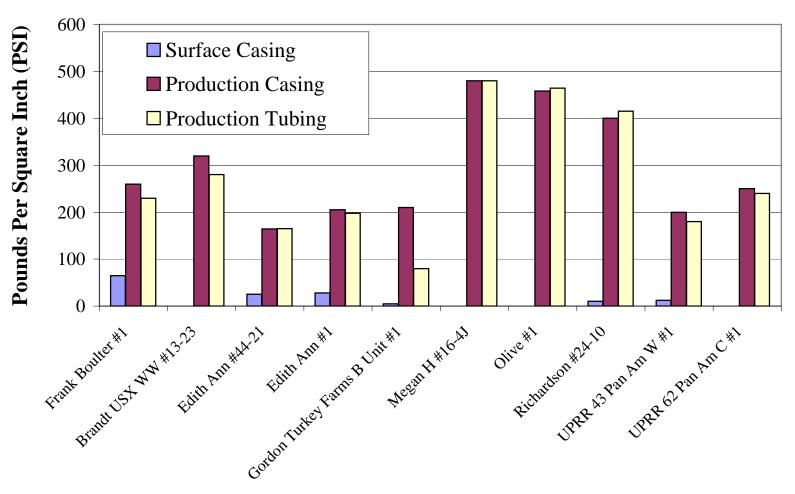


PRESSURE READINGS RESULTS J SAND



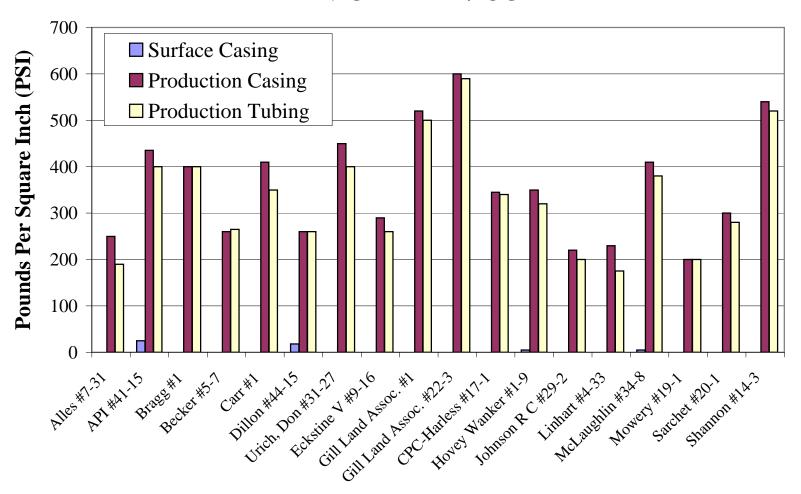


PRESSURE READINGS RESULTS J SAND / CODELL



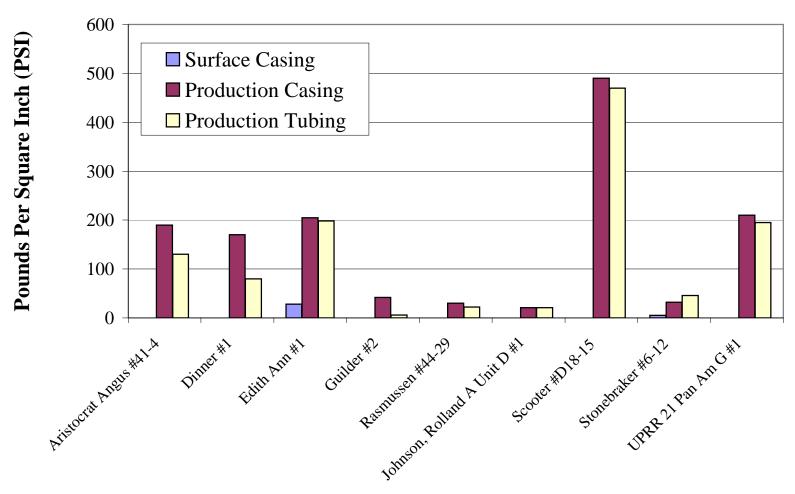


PRESSURE READINGS RESULTS NIOBRARA / CODELL





PRESSURE READINGS RESULTS SUSSEX



Natural Gas Production Well



APPENDIX D PHOTOGRAPHS – WATER WELLS





Photo 1: Carmin Kelly water sample location.



Photo 2: Carmin Kelly water condition.



Photo 3: Epple William and Linda S water sample location.



Photo 4: Epple William and Linda S water condition.



Photo 5: Hager water sample location.



Photo 6: Hager water condition.



Photo 7: Harold Dutton water sample location.



Photo 8: Harold Dutton water condition.



Photo 9: Jerry Sumner water sample location.



Photo 10: Jerry Sumner water condition.



Photo 11: L and F Ranch water sample location.



Photo 12: L and F Ranch water condition.



Photo 13: S M Ranch water condition and sample location.



Photo 14: S M Ranch water condition and sample location.



Photo 15: Victor and Karen Androvich water sample location.



Photo 16: Victor and Karen Androvich water condition.



Photo 17: Bruce Reed water condition.

APPENDIX E CD-ROM – ELECTRONIC FILES

