Petroglyph Operating Company
December 2009/January 2010
Monthly Report

Covering the period of 12/10/2009 through 1/22/2010

Prepared for
Colorado Oil and Gas Conservation Commission

January 29, 2010

Prepared by

Norwest Corporation
950 S. Cherry, Suite 800
Denver, CO 80246

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Petroglyph Operating Company, Inc.
Monthly Report – November 2009

Petroglyph Operating Company, Inc. (Petroglyph) is submitting this monthly report for the activities that have occurred at their Little Creek Field in the Raton Basin from the end of the last reporting period through January 22, 2010. Along with this monthly report, Petroglyph is submitting an electronic copy of all data including Microsoft Excel spreadsheets from which the attached summaries and graphs were created.

1.0 Phase I Remediation System

The Phase I remediation system associated with the Methane Investigation, Monitoring and Mitigation Program (MIMMP) has been operational for approximately twelve months beginning on December 8, 2008. The system was started with pumping from Recovery 1 Kittleson and Recovery 3 PEI. Recovery 1 gas production has dropped from approximately 25.7 MCFD at the start of mitigation to 5 MCFD through most of this reporting period. Recovery 1 was down for maintenance on December 9th so gas flows readings were 0. A drop in gas flows was also recorded around December 29-31, 2009. The well went down on December 28th and it took several days for gas flows to return to around 5 MCFD. The last reading for the period on January 14, 2010 was at 1.82 MCFD which also represented a drop from the average readings.

Recovery 3 gas flows were measured at approximately 0.75 MCFD at the start of mitigation and increased to approximately 1 MCFD and remained around 1 until late February and then began a slow and steady decline. During this reporting period the gas flows started the period at 0.1182 MCFD on December 6, 2009 and ended the period at 0.162 MCF on January 14, 2010. The water line from this well was frozen from December 25th to the 27th so pumping rates and associated gas flows were at 0 for that period of time. Recovery 4 has shown the most variability ranging between 0.9 MCFD and 0 until mid April when the readings were consistently under 0.001 MCFD. Readings at Recovery 4 showed an increase beginning in late July/early August and have been a bit variable since that time. During this reporting period the readings for Recovery 4 varied between a low of 0.21 and 0.27 MCFD, with a low reading of 0.003 MCFD on December 10th. Gas flows at Recovery 4 ending the period at 0.2595 on January 14th.

The average pumping rate for Recovery 1 was 19.5 gpm during the reporting period. The average pumping rate at Recovery 3 has been 4 gpm intermittently (or averaging about 1 gpm over a day's time) (Table 1). Recovery 4 is not functioning properly as explained in previous monthly reports and has not been pumped since early April 2009.

During this reporting period Petroglyph activated Recovery 5 Masters. The well has been previously approved as a recovery well and once all of the needed pumping and electrical equipment has been installed and activated Pumping began on December 24th. The average pumping rate from this well for the reporting period was 6.2 gpm. Gas flows ranged from a high of 21 MCFD to a low of 6 MCFD and ended the period on January 20th at 9.7 MCFD. Gas from Recovery 5 is currently vented to the atmosphere.

Gas flow in POCI 55 monitoring well and the Recovery wells is shown graphically in Attachment 1. The POCI 55 well has not shown any gas flows since April 2008 shortly after passive venting of mitigation wells began.

Injection started in Injection 01 and 04 on December 9, 2008 and Injection 02, 03, 05, 06 and 07 on December 10, 2008 (Table 1). Injection rates vary for the individual injection wells and range from 1.1 to 9.7 during this reporting period with several wells showing an increase in injection rates due to the addition of the pumping of Recovery 5. The two wells on the Rohr property (Injection 04 and 05) have accepted the most water. Injection 08 Haeffner has not accepted water very well. All of the approximately 11.2 million gallons of water that have been recovered have been re-injected following methane off gassing.

Petroglyph has an extensive monitoring program for domestic water wells surrounding the remediation system for changes in both water levels and in gas detected at the wellhead. In addition, Petroglyph monitors several of their production wells for changes in water level. All of these results are discussed in subsequent sections of this report. None of the monitoring has ever shown results that can be directly attributable to the remediation system pumping.

2.0 Phase II Remediation System

Petroglyph submitted the Phase II Methane Remediation System Class V Underground Injection Control (UIC) permit application to Region 8 of the EPA on January 7, 2009. The draft permit has been issued for public comment and a public meeting was held in Walsenburg on August 10th. The EPA is working on responding to public comments received during the public comment period. The time frame for completion of the EPA responses is expected to be in February of 2010. A Colorado Division of Water Resources application for the Phase II system was submitted on February 18, 2009 and is under review.

3.0 Ongoing Investigation

Aquifer Characterization

Petroglyph continues to evaluate data collected through the remediation system operation and ongoing monitoring to refine the aquifer characterization.

Gas Isotope, Dissolved Methane and Water Quality Sampling

The attached data disk includes the results from gas analyses received during this reporting period for nine samples (Injection 5 Rohr, Recovery 1 Kittleson and Recovery 3 PEI, Kerman, Goodwin, Sample, Fitzner, Stetler, and P. Eddleman). The results for all dissolved methane sampling available to date, including the most recent sample results, are shown in Table 2 with those results received since the last reporting period highlighted in yellow.

Methane Source Investigation

Petroglyph continues to evaluate the source of methane both in the domestic wells in the vicinity of the production wells and closer to the outcrop. Handheld monitoring of the BLM wellhead continues; to show levels of methane that exceed 100% LEL and 70% CH4 by volume and little to no O2%. The Haupt #1 well drilled closer to the outcrop and handheld measurements around this well have historically shown >100% lower explosive limit, 3 to 11% CH_4 by volume and low O_2 % volume. The first measurements at this well during the reporting period on December 15, 2009 showed no methane while the last measurement showed a return to the higher methane levels. Any additional information on the ongoing investigation will be included in the monthly reports and/or in separate reporting as the data is collected and evaluated.

4.0 Monitoring

Down-hole Pressure and Fluid Level Monitoring

Private Wells

Petroglyph has installed continuous pressure monitoring for fluid levels in water wells at Barrett, Bergman and Coleman located within one mile of the remediation system; Meyer located in the River Ridge Ranch Subdivision but more than one mile from the remediation system; Bruington located in City Ranch Subdivision; and Evenden and Garza-Vela located in the Silver Spurs Ranch Subdivision.

Information from these wells is downloaded monthly by Petroglyph, graphed, and included in electronic data disk with this monthly report. The POCI 55 Monitoring Well located near the remediation system also has a pressure gage. Attachment 2 shows graphically the changes in pressure for each of these wells. Attachment 4 is a combined graph showing the water levels in both the domestic wells monitored and Petroglyph production wells.

Water level elevations in the POCI 55 well remained at approximately 6229 feet through the monitoring period. Barrett showed a slight increase of approximately one foot from 6267 to 6268 feet from the beginning to the end of the reporting period. Bergman also remained at approximately the same elevation at 6355 feet. The Bruington well continues to show an upward trend in water levels with a rise of approximately 7 feet during the reporting period from 6059 to 6066 feet. Coleman showed an overall one foot decline from 6233 to 6232 feet, but varied around 6231 to 6234 in elevation throughout the period. Garza Vela water elevations remained approximately the same at 6294 feet from the beginning to the end of the reporting period , but varied between 6290 and 6295 throughout the period. The Evenden well water level elevations varied between 6231 and 6236 feet throughout the period, ending at 6231 but showed less variability than during the last reporting period. The Meyer well water elevations rose approximately one foot from the beginning to the end of the period (6109 feet to 6110 feet).

Petroglyph Production Wells

Fifteen Petroglyph production wells are currently monitored for fluid level and casing pressure: Lively 02-02, Lively 02-12, Lively 03-01, Lively 03-10, Lively 03-12, Lively

10-04, Rohr 04-10, Rohr 04-14, Rohr 08-01, Rohr 09-04, Rohr 09-05, Rohr 09-10, State 36-02, State 36-05, State 36-11. Two monitoring wells are also monitored continuously for water levels (Lively 03-03, and Lively 10-12). The monitoring occurs in the formation into which the wells are completed, the Vermejo Formation. Changes in fluid levels in Petroglyph's production wells are shown graphically in Attachment 3.

Since Petroglyph is no longer pumping these wells to draw down water levels, pressure is equalizing within the Vermejo coals. Consequently, water levels have risen in all wells as would be expected, although the rate of rise is leveling off. Six of the wells show little to no water level elevation change throughout the period including Lively 02-02, Lively 02-12, Lively 03-01, Rohr 04-10, Rohr 09-10, and State 36-11. Lively 03-10 was measured at the same elevation at the beginning and end of the reporting period but varied by approximately 30 feet both up and down during the reporting period. Six wells (Lively 03-03, Lively 10-12, Rohr 04-14, Rohr 08-01, Rohr 09-04, and Rohr 09-05) showed water level elevation rises of approximately five feet or less. Three of the remaining wells were measured with large water level increases from the beginning to the end of the reporting period; Lively 03-12 increased approximately 30 feet, State 36-02 increased approximately 29 feet and State 26-95 increased approximately 16 feet. Lively 10-04 showed a 15 foot decrease in water levels during the reporting period.

Comparison of Production Well and Private Well Data
Attachment 4 compares the water elevations for certain Petroglyph production wells and the private wells which are measured and discussed previously. As shown in Attachment 4 the majority of the private wells have water levels significantly higher in elevation than the production wells. Production well water levels showed a large rise after pumping ceased (250-300 feet); however domestic well water levels have remained relatively constant to decreasing during the same period indicating a lack of connection between the production wells in the Vermejo Formation and domestic wells in the Poison Canyon Formation. Attachment 4 also includes a table which shows the completion interval, location and well status.

Gas Flow Monitoring In Domestic Wells
Gas flow monitors have been installed by Petroglyph at the Angely, Bounds, Bruington, Coleman, and Smith wells. All of these wells except for Bruington and Bounds lie within one mile of the remediation system. Continuous gas flow monitoring occurs at Coleman and Smith, while gas flow is spot monitored with a gage and orifice tester at Angely, Bounds, and Bruington. Gas pressure at the Bounds and Angely wells is currently monitored by COGCC or their consultant; however the data, when available, is presented in this report. Gas flows measurements at Angely were not received for this reporting period and have not been received since September 2009.

Attachment 5 includes graphs representing gas flow measurements from Bruington, Coleman, Angely, Bounds and Smith. The Bruington and Smith wells are not showing any gas. Note that Bruington has not been monitored since September 17th. The water level recovery of the Bruington well precludes any gas flow. Gas flow reporting will resume when gas flows resume. Gas concentrations at the wellhead, which are reducing,

are still monitored monthly and reported. The Coleman well only shows gas when the well is initially pumped. Flows were estimated during this month's sampling at 40 MCFD with a duration of 25 minutes. The Bounds well is showing 0.55 MCFD which indicates a drop in methane levels for this well.

A drop in gas flow in the domestic wells appears to have occurred in correlation with the drilling of remediation system wells and venting of gas through these wells. This would indicate that the remediation system has been correctly located to remediate the area of largest gas concentration in the domestic wells.

Bi-Weekly and Monthly Water Well Monitoring

Petroglyph currently monitors for methane gas levels near 87 wellheads in the vicinity of the site. Measurements are taken near the wellhead, at the well vent and in some cases are also taken at the cistern or a second wellhead. No new wellheads were added during the reporting period. Masters #2 has been converted to a recovery well and is no longer being sampled. This well will be removed from future reporting for water well monitoring although information on pumping rates from this well will be reported in Section 1.0.

Table 3 shows all of the wellheads that have been sampled, the sampling start date, the date of the last sample, the number of samples since the last reporting period and a description of the sampling results and any changes from the previous reporting period. A column that discusses the historical readings for each site is included on the table.

Of the 87 wellheads, 7 were not sampled during this reporting period. Sampling may vary during any one reporting period due to a variety of reasons. During this reporting period 8 wellheads were sampled once, 48 wellheads were sampled twice, 3 wellheads were sampled three times, and 21 wellheads were sampled four times. Note that some wellhead sampling occurred prior to the end of the last reporting period but was inadvertently not included in the last monthly report.

As shown on Table 3, the comparison of monitoring results for the 80 wellheads sampled during this period with previous results showed that overall gas levels at 47 wellheads had no change from the previous monitoring period measurements and no detectable methane while 1 wellhead had no change and detectable methane levels. Changes in % LEL, % by volume CH4, and % volume O_2 were evaluated to determine if the area around the wellheads was showing an indication of increasing or decreasing methane gas content. Of the remaining 33 wellheads, 12 showed decreases in methane, with 2 of those only slight decreases and 20 showed increases with 7 of those wellheads showing a slight increase.

Petroglyph compared those wells showing detectable methane or changes in methane monitored during the reporting period with wells known to have been drilled into the coals within the Raton or Vermejo Formations and lying within 1-1.25 miles of the outcrop. Of the 34 wells showing detectable methane, 17 are known to have been drilled into the Raton/Vermejo Formations or deeper based on well depths in well logs available from the State Engineer. Of the remaining 17 wells, well drilling and completion

information has not yet been researched for 10 wells and the remaining 7 wells are drilled into the Poison Canyon all located within or in close proximity to the remediation system.

The breakdown by subdivision or area as on Table 3 is as follows:

Within 1 Mile of Remediation System

Current

- Gas near 26 wellheads routinely monitored
- 2 wellheads were not sampled during this reporting period (Masters #2)
- 16 wellheads showed no change and no detectable methane gas
- 1 wellhead showed no change with detectable methane
- 5 wellheads showed decreased methane
- 2 wellheads showed increased methane levels
- Of the 8 wellheads showing detectable methane 5 wells are completed in the Poison Canyon Formation, 2 wells are completed in the Raton/Vermejo/Trinidad and completion information is not known for one well.

Historic

- 11 wellheads have shown no detectable methane ever
- 7 wellheads have shown high levels which subsequently decreased to at or near 0
- 3 wellheads have shown consistently low to 0 levels of methane
- 4 wellheads show consistent readings of methane
- 1 wellhead has shown variable readings

River Ridge Ranch Subdivision and Vicinity Outside of One Mile

Current

- Gas near 21 wellheads routinely monitored
- 2 wellheads not sampled during this reporting period
- 17 wellheads showed no change and no detectable methane gas
- 2 wellheads showed a decrease in methane levels with one of those showing only a slight decrease
- Of the 2 wellheads showing detectable methane one is know to be drilled into the Raton/Vermejo with the other well completed in the Poison Canyon.

Historic

- 18 wellheads have shown no detectable methane ever
- 2 wellheads have shown consistently low to 0 levels of methane
- 1 wellhead shows consistent methane readings

City Ranch and Other Properties

Current

- Gas near 15 wellheads routinely monitored
- 1 wellhead was not sampled during the reporting period

- 9 wellheads showed no change and no detectable methane gas
- 5 wellheads showed an increase in methane levels with 1 wellhead showing only a slight increase
- 2 wellheads showed a decrease with 1 wellhead showing only a slight decrease
- Of the 7 wellheads showing detectable methane, 4 are known to be drilled into the Raton/Vermejo and one into the Poison Canyon. Completion information for the 2 other wells is not known. All wells lie close to the outcrop of the Raton/Vermejo or mined areas (within 1 to 1.5 miles).

Historic

- 4 wellheads have shown no detectable methane ever
- 5 wellheads have shown high or variable levels which subsequently decreased to at or near 0
- 1 wellhead have shown consistently low to 0 levels of methane
- 1 wellhead showed widely variable readings from 0 to higher levels
- 2 wellheads have shown consistent readings of methane
- 2 wellheads have had only limited sampling but both have shown detectable methane

Silver Spurs Ranch

Current

- Gas near 25 wellheads routinely monitored
- 2 wellheads were not sampled during the reporting period
- 5 wellheads showed no change and no detectable methane
- 3 wellheads showed a decrease in methane levels
- 15 wellheads showed an increase in methane levels with 6 showing only slight increase
- Of the 16 wellheads showing detectable methane, 10 are known to be drilled into the Raton/Vermejo or deeper. Completion information for the remaining 6 is unknown; however all wells lie within 1.25 miles of the outcrop.

Historic

- 6 wellheads have shown no detectable methane ever
- 11 wellheads have shown consistently low to 0 levels of methane
- 1 wellhead shows consistent readings
- 1 wellhead has shown increasing readings
- 4 wellheads have shown variable readings
- 4 wellheads have had only limited sampling with no detectable methane in any of these wells to date

Black Hawk Ranch

Current

- The domestic well which is monitored at Black Hawk Ranch (Goza) showed a slight increase in methane levels

Historic

- The wellhead sampled at Black Hawk Ranch has never shown any detectable levels of methane

Table 4 shows the current monitoring schedule including which wells are monitored bi-weekly and which wells are monitored monthly or at a different frequency. The schedule has been updated to include the most recently approved monitoring schedule.

Attachment 6 includes charts of gas monitoring of eighteen wells near the mitigation system. The wells being monitored have not indicated a direct response to the remediation pumping and injection. Masters #2 has shown detectable methane since approximately July of 2009. Goodwin continues to show small amounts of detectable methane during this reporting period which began in the last reporting period and had not occurred since February 2009. Other wellhead readings have remained consistent with previous measurements.

Hand Held Measurements

Petroglyph conducts periodic ground surveys using a hand held methane detector at locations where gas has previously been detected, at locations where a property owner requests such a survey or at locations where previous surveys such as the helicopter survey have detected gas seepage. These surveys are conducted based on need or urgency so can range from several times a week to a one time survey based on concerns from a property owner. No handheld surveys were collected during the reporting period.

5.0 Mitigation

Methane Alarms

No activity occurred during the reporting period related to maintaining methane alarms or responding to any methane alarms. There are currently a total of 15 homes with alarm systems provided by Petroglyph. No alarms have ever been triggered by the presence of methane.

Water Supply

Petroglyph is currently providing water to 16 homes. Table 5 provides a list of the homes currently receiving water. Water is delivered as needed and can vary from month to month due to residential water use and whether or not the homes are occupied. No new homes were added to the list during this reporting period. Two names have been added to the 16 homes which have received water from Petroglyph. The Bounds residence has been previously approved for water hauling but has never received water from Petroglyph. Their name has been added to Table 5. The Houghtling residence was added to the water hauling list during this reporting period.

Public Outreach

Craig Saldin of Petroglyph attended a River Ridge Ranch Board of Managers meeting on January 16th. No additional public outreach activities occurred during the reporting period.

Health and Safety/Emergency Planning

No changes to Petroglyph's health, safety and emergency planning occurred during the reporting period.

6.0 Schedule

The following is the currently anticipated schedule for Phase I and Phase II of the Methane Investigation Monitoring and Mitigation Program.

- Continued pumping and injection of the Phase I system with ongoing monitoring to evaluate the response in surrounding wells.
- Start up and pump from the Masters recovery well once the electric meter has been installed.
- EPA continued review of Phase II UIC Permit. There is a 30 day waiting period prior to the permit becoming effective.
- Routine bi-weekly and monthly sampling will continue with new sampling sites added as needed. Sampling will be adjusted based on the monitoring results in accordance with the Petroglyph Monitoring and Response Plan submitted to the COGCC on April 7, 2008 and the subsequent approved reduction letter dated January 27, 2009 and approved February 10, 2009.
- Hand held seep monitoring will continue as needed.

Table 1: Recovery and Injection Rates associated with Phase I MIMMP (as of 1/19/2010)								
Well Number	**Total Depth (ft)**	**PBTD**	**Injection Tubing Depth**	**Start-up Date**	**Average Injection Rate (gpm)**	**Water Totals (gal)**		**Notes**
Injection 01 Pascual	600	526	458	12/9/2008	1.1	592,000		
Injection 02 Gonzales	600	575	362	12/10/2008	1.1	594,000		
Injection 03 Benevides	725	629	454	12/10/2008	1.3	648,000		
Injection 04 Rohr	675	667	455	12/9/2008	6.0	2,958,000		Increased injection rate from 5.3 to 6.0 during this reporting period
Injection 05 Rohr	750	735	458	12/10/2008	9.7	3,629,000		Increased pumping rate from 6.1 to 9.7 during this reporting period.
Injection 06 Masters	725	695	438	12/10/2008	6.2	2,662,000		Increased pumping rate from 5.3 to 6.2 during this reporting period.
Injection 07 Walden	750	713	457	12/10/2008	1.1	536,000		
Injection 08 Haeffner	650	713	365	12/10/2008	see note	3,767		Well does not accept water very well. Inject approx. 150 gallons once every two weeks.
			Pump Depth		**Average Pump Rate (gpm)**		**Gas Totals (mcf)**	
Recovery 1 Kittleson	715	705	686	12/8/2008	19.50	10,430,000	9,617	
Recovery 3 PEI	625	591	575	12/8/2008	1 (see note)	532,000	761	Intermittent pumping at 4 gpm. Rate over 24 hrs is approx 1 gpm
Recovery 4 Barrett	500	484	463	2/10/2009	(see note)	3,600	317	Started pump 2/10/09 to develop well. Pumps about 100 gallons in 15 minutes, per day. Water has not been injected. Last pump date 4/8/09
Recovery 5 Masters	847	847	822	12/24/2009	6.2	240,000	419	Masters domestic water well #257113 converted to a recovery well with pumping starting in late 2009.

Table 2: Sampling of Dissolved Gases in Water Wells (results received as of January 15, 2010)					
	Well	**Sample Date**	**Analyte**	**Results (In ug/l)**	**Comments**
Mitigation wells	Injection 03 Benavides	7/17/08	Ethane	4.9	Grabbed during pump testing
	Injection 03 Benavides	7/17/08	Methane	280	Grabbed during pump testing
	Injection 04 Rohr	7/22/08	Ethane	2.3	Grabbed during pump testing
	Injection 04 Rohr	7/22/08	Methane	4,500	Grabbed during pump testing
	Injection 05 Rohr	7/28/08	Ethane	3.0	Grabbed during pump testing
	Injection 05 Rohr	7/28/08	Methane	3,100	Grabbed during pump testing
	Injection 05 Rohr	3/9/09	Ethane	11	Injection Water
	Injection 05 Rohr	3/9/09	Methane	5,200	Injection Water
	Injection 05 Rohr	7/30/09	Ethane	4.4	Injection Water
	Injection 05 Rohr	7/30/09	Ethene	ND	Injection Water
	Injection 05 Rohr	7/30/09	Methane	2400	Injection Water
	Injection 05 Rohr	9/01/09	Ethane	4.7	Injection Water
	Injection 05 Rohr	9/01/09	Ethene	ND	Injection Water
	Injection 05 Rohr	9/01/09	Methane	2700	Injection Water
	Injection 05 Rohr	10/2/09	Methane	7800	Injection Water
	Injection 05 Rohr	11/5/09	Ethane	6.7	Injection Water
	Injection 05 Rohr	11/5/09	Ethene	ND	Injection Water
	Injection 05 Rohr	11/5/09	Methane33	2400	Injection Water
	Injection 05 Rohr	12/1/09	Ethane	7.1	Injection Water
	Injection 05 Rohr	12/1/09	Ethene	ND	Injection Water
	Injection 05 Rohr	12/1/09	Methane	2400	Injection Water
	Injection 06 Masters	7/15/08	Ethane	3.9	Grabbed during pump testing
	Injection 06 Masters	7/15/08	Methane	6,300	Grabbed during pump testing
	Injection 07 Walden	7/29/08	Ethane	12	Grabbed during pump testing
	Injection 07 Walden	7/29/08	Methane	12,000	Grabbed during pump testing
	Injection 02 Gonzales	8/20/08	Ethane	2.7	Grabbed during pump testing
	Injection 02 Gonzales	8/20/08	Methane	4.2	Grabbed during pump testing
	Recovery 1 Kittleson	7/8/08	Ethane	3.0	Grabbed during pump testing
	Recovery 1 Kittleson	7/8/08	Methane	4,800	Grabbed during pump testing
	Recovery 1 Kittleson	8/4/08	Ethane	6.8	Grabbed during pump testing
	Recovery 1 Kittleson	8/4/08	Methane	6,800	Grabbed during pump testing
	Recovery 1 Kittleson	1/15/09	Ethane	2.5	IP 12/8/08
	Recovery 1 Kittleson	1/15/09	Methane	2,000	IP 12/8/08
	Recovery 1 Kittleson	7/21/09	Ethane	ND	
	Recovery 1 Kittleson	7/21/09	Ethene	ND	
	Recovery 1 Kittleson	7/21/09	Methane	2700	
	Recovery 1 Kittleson	7/30/09	Ethane	3.7	
	Recovery 1 Kittleson	7/30/09	Ethene	ND	
	Recovery 1 Kittleson	7/30/09	Methane	4100	
	Recovery 1 Kittleson	9/01/09	Ethane	7.3	
	Recovery 1 Kittleson	9/01/09	Ethene	ND	
	Recovery 1 Kittleson	9/01/09	Methane	8600	
	Recovery 1 Kittleson	10/2/09	Methane	9500	
	Recovery 1 Kittleson	11/5/09	Ethane	7.3	

Table 2: Sampling of Dissolved Gases in Water Wells (results received as of January 15, 2010)					
	Well	**Sample Date**	**Analyte**	**Results (In ug/l)**	**Comments**
	Recovery 1 Kittleson	11/5/09	Ethene	ND	
	Recovery 1 Kittleson	11/5/09	Methane	7900	
	Recovery 1 Kittleson	12/1/09	Ethane	7.5	
	Recovery 1 Kittleson	12/1/09	Ethene	ND	
	Recovery 1 Kittleson	12/1/09	Methane	8100	
	Recovery 2 Reiss	4/4/08	Ethane	ND	Water while drilling
	Recovery 2 Reiss	4/4/08	Methane	ND	Water while drilling
	Recovery 3 PEI	8/25/08	Ethane	13	Grabbed during pump testing
	Recovery 3 PEI	8/25/08	Methane	9,600	Grabbed during pump testing
	Recovery 3 PEI	1/16/09	Ethane	15	IP 12/8/08
	Recovery 3 PEI	1/16/09	Methane	13,000	IP 12/8/08
	Recovery 3 PEI	7/21/09	Ethane	15	
	Recovery 3 PEI	7/21/09	Ethene	2.4	
	Recovery 3 PEI	7/21/09	Methane	13000	
	Recovery 3 PEI	7/30/09	Ethane	15	
	Recovery 3 PEI	7/30/09	Ethene	ND	
	Recovery 3 PEI	7/30/09	Methane	17000	
	Recovery 3 PEI	9/01/09	Ethane	22	
	Recovery 3 PEI	9/01/09	Ethene	ND	
	Recovery 3 PEI	9/01/09	Methane	26000	
	Recovery 3 PEI	10/2/09	Methane	29000	
	Recovery 3 PEI	11/5/09	Ethane	21	
	Recovery 3 PEI	11/5/09	Ethene	ND	
	Recovery 3 PEI	11/5/09	Methane	24000	
	Recovery 3 PEI	11/12/09	Ethane	22	
	Recovery 3 PEI	11/12/09	Ethene	ND	
	Recovery 3 PEI	11/12/09	Methane	24000	
	Recovery 3 PEI	12/1/09	Ethane	20	
	Recovery 3 PEI	12/1/09	Ethene	ND	
	Recovery 3 PEI	12/1/09	Methane	25000	
	Recovery 4 Barrett	7/10/08	Ethane	5	Grabbed during pump testing
	Recovery 4 Barrett	7/10/08	Methane	3,500	Grabbed during pump testing
	Recovery 4 Barrett	3/12/09	Ethane	12	IP 2/10/09
	Recovery 4 Barrett	3/12/09	Ethene	48	IP 2/10/09
	Recovery 4 Barrett	3/12/09	Methane	8,600	IP 2/10/09
POCI 55	POCI 55	8/19/09	Methane	7800	Pre Phase II
	POCI 55	8/19/09	Ethene	ND	Pre Phase
	POCI 55	8/19/09	Ethane	11	Pre Phase
Wells within 1 mile of Mitigation System	Angely, J	3/26/08	Ethane	35	by COGCC
	Angely, J	3/26/08	Methane	15,000	by COGCC
	Barrett, T	6/24/09	Methane	18,000	
	Barrett, T	6/24/09	Ethane	11	
	Barrett, T	6/24/09	Ethene	12	
	Bergman	6/29/09	Ethane	ND	Grabbed during pump testing

Table 2: Sampling of Dissolved Gases in Water Wells (results received as of January 15, 2010)					
	Well	Sample Date	Analyte	Results (In ug/l)	Comments
	Bergman	6/29/09	Ethene	ND	Grabbed during pump testing
	Bergman	6/29/09	Methane	2,300	Grabbed during pump testing
	Burge, K	8/5/08	Methane	3,900	
	Burge, K	12/18/08	Ethane	2.3	
	Burge, K	12/18/08	Methane	3,600	
	Burge, K	6/9/09	Ethane	3	
	Burge, K	6/9/09	Ethene	2.4	
	Burge, K	6/9/09	Methane	3,300	
	Coleman, V	3/1/08	Methane	4,600	filtered via house water filter
	Coleman, V	9/23/07	Methane	4,300	filtered via house water filter
	Coleman, V	9/23/07	Methane	5,000	raw- not filtered
	Coleman, V	3/1/08	Methane	5,100	raw- not filtered
	Coleman, V	12/4/08	Ethane	7	raw- not filtered
	Coleman, V	12/4/08	Methane	5,900	raw- not filtered
	Coleman, V	5/9/09	Ethene	2.4	raw- not filtered
	Coleman, V	5/9/09	Ethane	9	raw- not filtered
	Coleman, V	5/9/09	Methane	6,100	raw- not filtered
	Conley, J	3/24/08	Methane	ND	
	Conley, J	12/4/08	Ethane	U	
	Conley, J	12/4/08	Methane	1.5	
	Conley, J	6/15/09	Ethane	1.6	
	Conley, J	6/15/09	Ethene	2.4	
	Conley, J	6/15/09	Methane	2.5	
	Dee	6/30/09	Ethane	ND	Grabbed during pump testing
	Dee	6/30/09	Ethene	ND	Grabbed during pump testing
	Dee	6/30/09	Methane	5.7	Grabbed during pump testing
	Deroswitch, D	3/1/08	Methane	4,000	
	Deroswitch, D	1/15/09	Ethane	4.1	
	Deroswitch, D	1/15/09	Methane	2,200	
	English, B	3/14/08	Methane	ND	
	English, B	12/8/08	Ethane	U	
	English, B	12/8/08	Methane	U	
	English, B	7/8/09	Ethane	ND	
	English, B	7/8/09	Ethene	ND	
	English, B	7/8/09	Methane	ND	
	Hopke, B	2/25/08	Methane	5,900	
	Hopke, B	3/26/08	Ethane	11	by COGCC
	Hopke, B	3/26/08	Methane	3,000	by COGCC
	Hopke, B	12/31/08	Ethane	U	
	Hopke, B	12/31/08	Methane	660	
	Hopke, B	6/22/09	Methane	4,200	
	Hopke, B	6/22/09	Ethane	7.2	
	Hopke, B	6/22/09	Ethene	2.4	
	Hoppe, C	10/23/08	Ethane	ND	

Table 2: Sampling of Dissolved Gases in Water Wells (results received as of January 15, 2010)					
	Well	**Sample Date**	**Analyte**	**Results (In ug/l)**	**Comments**
	Hoppe, C	10/23/08	Methane	19	
	Houghtling, J	2/25/08	Methane	9.2	
	Kerman, T	3/1/08	Methane	170	
	Kerman, T	12/4/08	Ethane	U	
	Kerman, T	12/4/08	Methane	1.1	
	Kerman, T	7/8/09	Ethane	ND	
	Kerman, T	7/8/09	Ethene	ND	
	Kerman, T	7/8/09	Methane	ND	
	Kerman, T WW	11/30/09	Methane	U	Grabbed from hydrant before cistern
	Kerman, T WW	11/30/09	Ethane	U	
	Kerman, T WW	11/30/09	Methane	0.78	
	Kerman, T House	11/30/09	Ethane	ND	Grabbed from house after cistern
	Kerman, T House	11/30/09	Ethene	ND	
	Kerman, T House	11/30/09	Methane	ND	
	Masters, T	6/29/09	Ethane	10	
	Masters, T	6/29/09	Ethene	2.4	
	Masters, T	6/29/09	Methane	14,000	
	McPherson	3/29/08	Methane	54	
	McPherson, P	12/4/08	Ethane	U	
	McPherson, P	12/4/08	Methane	950	
	McPherson, P	6/3/09	Ethane	16	
	McPherson, P	6/3/09	Ethene	24	
	McPherson, P	6/3/09	Methane	1,700	
	Rohr, W	7/6/09	Ethane	ND	Grabbed during pump testing
	Rohr, W	7/6/09	Ethene	ND	Grabbed during pump testing
	Rohr, W	7/6/09	Methane	800	Grabbed during pump testing
	Searle, S	3/14/08	Methane	7.5	
	Searle, S	12/8/08	Ethane	U	
	Searle, S	12/8/08	Methane	5.8	
Wells on RRR ex near Mitigation System	Campbell, J	2/23/09	Ethane	0.6	
	Campbell, J	2/23/09	Methane	110	
	Goodwin, R	3/14/08	Methane	240	
	Goodwin, R	12/15/08	Ethane	U	
	Goodwin, R	12/15/08	Methane	U	
	Goodwin, R	6/29/09	Ethane	1.6	
	Goodwin, R	6/29/09	Ethene	2.4	
	Goodwin, R	6/29/09	Methane	5.2	
	Goodwin, R WW	11/30/08	Ethane	U	Grabbed from hydrant before cistern
	Goodwin, R WW	11/30/08	Ethene	U	
	Goodwin, R WW	11/30/08	Methane	U	
	Goodwin, R Cistern	11/30/09	Ethane	U	Grabbed from cistern
	Goodwin, R Cistern	11/30/09	Ethene	U	
	Goodwin, R Cistern	11/30/09	Methane	U	
	Rhoads, K	2/23/09	Methane	21	

Table 2: Sampling of Dissolved Gases in Water Wells (results received as of January 15, 2010)					
	Well	**Sample Date**	**Analyte**	**Results (In ug/l)**	**Comments**
	Roloff, B	8/5/08	Methane	3,800	
	Speh, D	10/8/08	Methane	7,200	
	Wolahan	3/10/08	Methane	75	
	Wolahan, E	12/4/08	Ethane	U	
	Wolahan, E	12/4/08	Methane	210	
	Wolahan, E	6/4/09	Methane	24	
	Wolahan, E	6/4/09	Ethene	2.4	
	Wolahan, E	6/4/09	Ethane	1.6	
	Meyer, J	4/29/09	Ethane	ND	
	Meyer, J	4/29/09	Methane	19,000	
Wells on Silver Spurs Ranch unless noted	Goza, C	1/15/09	Ethane	1.4	Blackhawk Ranch
	Goza, C	1/15/09	Methane	580	Blackhawk Ranch
	Gumpert, K	8/5/08	Methane	1,700	
	Sample, Mitch	3/10/08	Methane	19,000	
	Sample, Mitch WW	11/30/09	Ethane	U	Grabbed before cistern
	Sample, Mitch WW	11/30/09	Ethene	U	
	Sample, Mitch WW	11/30/09	Methane	48,000	
	Sample, Mitch Cistern	11/30/09	Ethane	23	Grabbed from cistern
	Sample, Mitch Cistern	11/30/09	Ethene	U	
	Sample, Mitch Cistern	11/30/09	Methane	15,000	
	Stephens, K	9/30/08	Methane	ND	
	Evenden, V	9/30/08	Methane	20,000	
	Evenden, V	8/26/09	Ethane	2.5	
	Evenden, V	8/26/09	Ethene	2.4	
	Evenden, V	8/26/09	Methane	7,700	
	Evenden, V	10/7/09	Ethane	ND	
	Evenden, V	10/7/09	Ethene	ND	
	Evenden, V	10/7/09	Methene	22,000	
	Fitzner, P	12/1/08	Methane	4,600	
	Fitzner, P WW	11/30/09	Ethane	U	Grabbed from hydrant before cistern
	Fitzner, P WW	11/30/09	Ethene	U	
	Fitzner, P WW	11/30/09	Methane	2,100	
	Fitzner, P Cistern	11/30/09	Ethane	U	Grabbed from cistern
	Fitzner, P Cistern	11/30/09	Ethene	U	
	Fitzner, P Cistern	11/30/09	Methane	2,000	
	Geisklbrecht, G	9/30/08	Methane	ND	
	Haynes, E	6/4/09	Methane	0.8	
	Haynes, E	6/4/09	Ethane	1.6	
	Haynes, E	6/4/09	Ethene	2.4	
	Morine, J	1/15/09	Methane	14	
	Palmer (GIS)	10/1/08	Methane	ND	
	Stetler	3/20/09	Methane	20,000	
	Stetler	3/20/09	Ethane	50	
	Stetler, J WW	11/30/09	Ethane	100	Grabbed before cistern

Table 2: Sampling of Dissolved Gases in Water Wells (results received as of January 15, 2010)					
	Well	**Sample Date**	**Analyte**	**Results (In ug/l)**	**Comments**
	Stetler, J WW	11/30/09	Ethene	U	
	Stetler, J WW	11/30/09	Methane	38,000	
	Stetler, J Cistern	11/30/09	Ethane	U	Grabbed from cistern
	Stetler, J Cistern	11/30/09	Ethene	U	
	Stetler, J Cistern	11/30/09	Methane	22,000	
	Modlish	3/20/09	Methane	0.33	
	Modlish	3/20/09	Ethane	ND	
	Billstrand	7/31/09	Ethane	ND	
	Billstrand	7/31/09	Ethene	ND	
	Billstrand	7/31/09	Methane	0.42	
	Bruington	7/6/09	Ethane	12	Grabbed during pump testing
	Bruington	7/6/09	Ethene	2.4	Grabbed during pump testing
	Bruington	7/6/09	Methane	7,900	Grabbed during pump testing
	Eddleman, P	8/28/09	Ethane	ND	
	Eddleman, P	8/28/09	Ethene	ND	
	Eddleman, P	8/28/09	Methane	29,000	
	Eddleman, P WW	11/30/09	Ethane	U	Grabbed before cistern
	Eddleman, P WW	11/30/09	Ethene	U	
	Eddleman, P WW	11/30/09	Methane	45,000	
	Eddleman, P WWIIA	11/30/09	Ethane	U	Filled 100 gallon stock tank and agitated with small submersible pump for 2.5 hrs then grabbed sample
	Eddleman, P WWIIA	11/30/09	Ethene	U	
	Eddleman, PWWIIA	11/30/09	Methane	2,100	
	Wyland, R	9/8/09	Ethane	ND	
	Wyland, R	9/8/09	Ethene	ND	
	Wyland, R	9/8/09	Methane	3	
	Schafer, R	10/2/09	Methane	21	City Ranch
Other	Rohr 04-14	11/11/07	Methane	10,070	CBM water
	Rohr 09-04	11/11/07	Methane	6,350	CBM water
	Rohr 09-04	9/17/09	Ethane	3.6	CBM water pre-phase II
	Rohr 09-04	9/17/09	Ethene	ND	CBM water pre-phase II
	Rohr 09-04	9/17/09	Methane	7300	CBM water pre-phase II
	Rohr 09-10	9/17/09	Ethane	2.1	CBM water pre-phase II
	Rohr 09-10	9/17/09	Ethene	ND	CBM water pre-phase II
	Rohr 09-10	9/17/09	Methane	5900	CBM water pre-phase II
	Rohr 04-10	9/17/09	Ethane	2.3	CBM water pre-phase II
	Rohr 04-10	9/17/09	Ethene	ND	CBM water pre-phase II
	Rohr 04-10	9/17/09	Methane	6400	CBM water pre-phase II

Shading indicates sampling added since last reporting period.

Table 3
Water Well Measurements for the Period of December 2009/January 2010

Permit Number	Name	Sampling Start Date	Last Sample	Samples Since Last Monthly Report	History (Last Updated with November 2009 Monthly Report)	If sampled, comparison of results from this period to last period
Wells Within Approximately One Mile of pumping and Injection System or of Special Interest						
238689	Angely	7/5/07	1/7/10	12/14/09 and 1/7/10	Methane detected at levels >100 % LEL and above 10% CH4 by volume until approximately 4/9/08, then began dropping and reached approximately 0 by 5/28/08. Have remained at or near 0 except for jump in December 2008, March 2009 and November 2009 readings.	Sample results reported during this period include both an October and November sample. October sample showed no change from measurements since May 2009 with no detectable methane and O2% levels at 20.9. In November sample; • % LEL decreased from 53 to 2 • CH4% volume decreased from 2.65 to 0.10 • O2% volume increased from 20.3 to 20.9 • CO and H2S remained unchanged at 0 ppm
257994	Barrett	7/12/07	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	Methane detected at levels >100 % LEL and above 10% CH4 by volume. Levels have dropped since March 2009 but remain above 0 except for an occasional 0 reading.	• % LEL decreased from 99 to 0 in 12/28/09 reading and ended the period at 56 • CH4% volume decreased from 4.95 to 0 in 12/28/09 reading and ended the period at 2.80 • O2% increased from 19.5 to 20.9 in 12/28/09 reading and ended the period at 20.6 • CO and H2S remained unchanged at 0 ppm
244403	Bergman	7/6/07	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	The methane has been variable with higher and lower values until 11/28/07 and then mostly levels at >100 %LEL and greater than 10% CH4 by volume.	• % LEL increased from 54 to >100 • CH4% volume increased from 2.70 to 8.00 • O2% volume decreased from 20.8 to 18.3 • CO and H2S remained unchanged at 0 ppm
181278	Bounds	7/12/07	12/14/09	12/14/09	Readings from this wellhead have been consistently at or above 100 %LEL with levels of CH4% by volume near 100. This wellhead has also shown fairly consistent low levels of H2S until 6/25/08 with variable levels after that time.	• % LEL remained unchanged at 100 • CH4% volume remained unchanged at 100 • O2% volume decreased from 0.5 to 0 • CO remained unchanged at 14 ppm • H2S increased from 1 to 5.4 ppm
169043	Burge	3/20/09	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	Methane detected at levels >100 % LEL and above 10% CH4 by volume until approximately 1/17/08, then began dropping through 3/14/08 and have remained at or near 0 since that time except for a single high reading on 7/2/08 and detectable methane on 10/1 and 10/6/09.	• % LEL remained unchanged at 0 • CH4% volume remained unchanged at 0 • O2% volume increased from 17.4 to 20.9 • CO2 and H2S remained unchanged at 0 ppm
267694	Coleman	7/5/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	Methane detected at wellhead at levels >100 % LEL and above 5% CH4 by volume until approximately 8/15/07, then began dropping with no methane detected since 10/30/07. Well vent has shown more variable and generally higher readings than the wellhead.	At the wellhead no change from previous measurements, with 0% LEL and CH4, O2% volume at 20.9 and no detectable CO and H2S. At the well vent: • % LEL decreased from >100 to 0 • CH4% volume decreased from 23 to 0 • O2% volume increased from 14 to 20.9 CO and H2S remained unchanged at 0 ppm
235516	Colorado Switzer	7/12/07	1/18/10	12/1/09, 12/14/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
255929	Conley	7/11/07	1/18/10	12/14/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
260097	Dee	7/5/07	1/18/10	12/15/09, 1/18/10	No methane has ever been detected at this wellhead. A potentially erroneous reading of 5%LEL occurred on 7/30/09 with no detectable methane.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.

Table 3
Water Well Measurements for the Period of December 2009/January 2010

Permit Number	Name	Sampling Start Date	Last Sample	Samples Since Last Monthly Report	History (Last Updated with November 2009 Monthly Report)	If sampled, comparison of results from this period to last period
252931	Derowitsch	7/6/07	1/18/10	12/1/09, 12/15/09, 12/24/09, 1/18/09	Methane detected at wellhead at levels approximately 100 % LEL and mostly above 5% CH4 by volume until approximately 9/4/07, then methane levels dropped to 0 and has remained at 0 since that time. Both the well vent and cistern have historically shown very low to 0 levels of methane. Late September to present readings at the well vent indicate levels of methane although the cistern shows no detectable methane during that time period.	At the wellhead no change from previous measurements with 0% LEL, no detectable methane; O2% volume at 20.9 and CO and H2S at 0 ppm. At the well vent: • % LEL decreased from 7 to 0 with a high reading of 55 on 12/1/09 • CH4% volume decreased from 0.35 to 0 with a high reading of 2.75 on 12/1/09 • O2% volume remained unchanged at 20.9 with a low reading of 18.9 on 12/1/09 • CO and H2S remained unchanged at 0 ppm At the cistern: • % LEL increased from 0 to 5 • CH4% volume increased from 0 to 0.25 • O2% volume decreased from 20.9 to 20.3 • CO remained unchanged at 0 ppm • H2S increased from 0 to 14
235515	English	8/16/07	8/24/089	None	No methane has ever been detected at this wellhead.	Reading was attempted on 12/1/09, 12/14/09, and 1/18/10 but the gate was locked with no access.
16861-F	Golden Cycle Land	7/12/07	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	Readings initially showed methane at 100% LEL and greater than 20% by volume CH4, but dropped to 0 by 9/24/07 and remained at 0 (with two readings above 0 on 11/16/07 and 4/23/08) until 10/20/08. Starting 10/20/08 methane was once again detected at higher values along with CO at high levels and showings of H2S.	• %LEL remained unchanged at >100 • CH4% volume increased from 17 to 39 • O2% decreased from 11.4 to 0 • CO increased from 11 ppm to 39 ppm with a low of 2 ppm on 12/28/09 • H2S increased from 3 ppm to a high of 10 ppm on 12/28/09 and then decreased to 0 ppm in last reading
253317	Gonzalez	7/12/07	1/18/10	12/15/09 and 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% at 20.9 and no CO or H2S.
256504	Hopke	7/5/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	Readings consistently measure methane at >100% LEL and at values of CH4% by volume fairly consistently above 20. The well has shown an overall slow decline in CH4 % by volume over time from initial readings in the 90-100% to most 2009 in the range of 10 to 30%. H2S also has shown a decline over time such that most recent readings have been at or slightly above 0. No methane has ever been detected at the cistern.	At the wellhead: • % LEL remained unchanged at >100 • CH4% volume decreased from 24 to 13 • O2% volume increased from 8.6 to 14.4 • CO and H2S remained unchanged at 0 ppm with a light H2S odor noted At the cistern: no changes from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
236272	Houghtling	7/6/07	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	Methane levels at this wellhead have been consistently >100% LEL with CH4% by volume fairly consistently above 20 with some lower values (but not 0). No methane has ever been detected at the cistern.	At the wellhead: • % LEL remained unchanged at >100 • CH4% volume decreased from 100 to 95 with a low of 63 in 12/1/09 reading • O2% volume remained unchanged at 0 with a high reading of 16.3 on 12/1/09 • CO remained unchanged at 0 ppm • H2S remained unchanged at 0 ppm until an increase to 2 ppm in the last reading At the cistern: no changes from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
35292	Kerman/Hanson	7/6/07	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	Values at this wellhead have been at or near 0 with two readings of >100% LEL and greater than 5% by volume CH$ on 12/2/08 and 12/22/08 and slightly higher readings in July and August 2009. No methane has ever been detected at the cistern.	No change from previous measurements with 0% LEL, no detectable methane, O2% at 20.9 and no CO or H2S except for 12/1/09 reading which showed % LEL at 27 and CH4% volume at 1.35, and O2% volume at 9. The cistern values remained unchanged with no detectable methane, O2% at 20.9 and no CO or H2S.

Table 3
Water Well Measurements for the Period of December 2009/January 2010

Permit Number	Name	Sampling Start Date	Last Sample	Samples Since Last Monthly Report	History (Last Updated with November 2009 Monthly Report)	If sampled, comparison of results from this period to last period
	Lively 10-02	12/22/2008	1/20/10	12/1/09, 12/15/09, 12/28/09, 1/20/10	Readings from this well started with mostly 0 to low levels of methane but have been moving upward with late 2009 readings showing detectable levels more consistently with some readings as high as >100 % LEL. CH4% volume remains below 5%. Some non detectable readings still also occur.	• % LEL decreased from 59 to 0 • CH4% volume decreased from 2.95 to 0 • O2% volume increased from 8.6 to 15.5 • CO decreased from 113 to 22 ppm • H2S decreased from 4 to 1.5 ppm
222539	Lively	7/6/07	1/18/10	12/15/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
16861-F	Masters #1	8/13/07	1/18/10	12/1/09, 12/14/09. 12/28/09. 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
257113	Masters #2	7/6/07	11/9/09	None	Methane was typically not detected at this wellhead until July 2009. Since July 2009 low levels have been detected periodically.	Well converted to recovery well and will not longer be sampled as part of the domestic well sampling effort. Will be removed from this list for next month's reporting.
271136	May	7/12/07	1/18/10	12/14/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
84108-A	McPherson	7/6/07	1/18/10	12/15/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
84106	Rohr	7/06/07	12/15/09	12/15/09	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane and CO and H2S at 0 ppm. O2 % volume showed a decrease from 20.9 to 16.3 in the October reading but returned to 20.9 in this reading.
123144	Searle	7/11/07	1/18/10	12/14/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
239657	Smith	7/5/07	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	Detectable methane in early readings with % LEL at 100 or greater and % by volume of CH4 at up to 100. Began showing some variability in readings on 9/9/07 eventually decreasing until levels at 0 beginning 5/5/08. Three readings since that time on 5/21/08, 10/27/08 and 7/13/09 have shown >100% LEL and CH4 % by volume at or above 5. October 2009 reading showed low levels (18% LEL and 0.9% CH4 by volume).	At the well head no change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm. At the well vent: • % LEL remained at >100 • CH4% volume decreased from 54 to 22 • O2% volume increased from 8.1 to 15.4 • CO remained at 0 ppm and H2S decreased from 3.5 to 0 At the cistern all values remained unchanged with 0 %LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
	BLM 15-12	6/1/09	11/18/10	12/15/09. 1/18/10	The limited number of readings at this wellhead have shown detectable methane with >100% LEL and CH4 % volume of greater than 70 and limited O2% volume.	• % LEL remained at >100 • CH4% volume decreased from 100 to 72 • O2% volume increased from 0 to 4.3 • CO remained at 0 ppm • H2S decreased from 2 to 0
Wells Within or in Close Proximity to River Ridge Ranch Subdivision						
249362	Andexler	9/9/07	1/18/10	12/14/09, 1/18/10	Several readings (3/25/09, 7/30/09 and October 2009) have shown less the 0.25% CH4 methane, otherwise no detectable methane.	The well head showed no change from previous measurements with 0% LEL, no detectable methane, and CO and H2S at 0 ppm. O2% volume decreased from 20.9 to 17.8. Cistern showed no change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
215706	Brice	7/12/07	1/18/10	12/14/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
248680	Campbell	8/14/07	1/18/10	12/15/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.

Table 3
Water Well Measurements for the Period of December 2009/January 2010

Permit Number	Name	Sampling Start Date	Last Sample	Samples Since Last Monthly Report	History (Last Updated with November 2009 Monthly Report)	If sampled, comparison of results from this period to last period
20783	Goemmer Cattle	7/12/07	12/14/09	12/14/09	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
258815	Goodwin	7/12/07	1/18/10	12/14/09, 1/18/10	Readings have shown methane levels at or near 0 with no readings above 0 from late January 2009 through October 2009. November 2009 showed low levels of methane.	• % LEL decreased from 9 to 0 and then back to 8 • CH4% decreased from 0.45 to 0 and then back to 0,4 • O2% increased from 20.3 to 20.9 and then back to 20.3 • CO and H2S remained at 0 ppm
249181	Hentschel	9/9/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
259122	Higgins	9/26/07	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	No methane has ever been detected at this wellhead	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
269435	Hoppe (formerly Goacher)	7/11/07	1/18/10	12/1/09, 12/14/09, 1/18/10	No methane has ever been detected at this wellhead	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
264581	Ireland	7/12/07	1/18/09	12/14/09, 1/18/10	Typically no methane, but methane has been detected on 12/2/08, 12/22/08, and 1/6/09 with 100% or greater LEL and 5% by volume CH4.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
	Lang	10/29/07	7/28/08	None	No methane has ever been detected at this wellhead.	Reading attempted 12/14/09 but gate was locked preventing access.
93386	Lowry	7/12/07	12/14/09	12/14/09	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
250369	Martin	7/12/07	1/18/10	12/15/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
248862	Meyer	8/14/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	Methane levels generally at >100% LEL and CH4 % by volume of greater than 5. Readings were a bit variable with some lower methane levels until 5/22/08 and then became consistently >100% LEL and CH4% by volume greater than 5.	• % LEL remained unchanged at >100 • CH4 % volume decreased from 34 to 25 • O2% volume increased from 12.6 to 14.4 • CO and H2S remained at 0
192203	Rankins	7/12/07	10/1/09	None	No methane has ever been detected at this wellhead.	Reading attempted 12/15/09 but gate was locked preventing access.
276994	Rhodes	9/9/08	1/18/10	12/14/09, 1/18/10	Slight LEL (5%) reported 7/30/09, but no methane detected. No methane has ever been previously detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane and CO and H2S at 0 ppm. O2% volume remained at 20.6.
274468	Roloff	9/9/07	1/18/10	12/15/09, 1/18/10	No methane had ever been detected at this wellhead except for low levels detected in the 8/25/09 measurement.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
254577	Ryerson	9/9/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
246775	Sharp	9/9/07	1/18/10	12/14/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
267695	Speh	9/4/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
230572	Willis	7/11/07	1/18/10	12/15/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.

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240947	Wolahan	7/12/07	1/18/10	12/15/09, 1/18/10	No detectable methane except 5/21/08, 1/27/09 and 2/9/09 with levels at 5% LEL and 0.25% by volume CH4.	No change from previous measurements at the wellhead and cistern with both showing 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
City Ranch and Other Properties						
	Andreatta	8/14/07	118/10	12/15/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
197472	Williams/Bartlett	8/15/07	12/15/09	12/15/09	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
210526	Bruington	8/7/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	Wellhead readings have shown consistent levels of methane at >100% LEL and CH4 % by volume at greater than 50. Some CO and H2S readings in mid to late 2008 but current readings have shown little to no CO and H2S. No methane has ever been detected at the cistern.	At the wellhead: • % LEL increased from 33 to >100, dropped to 5 and ended the period at 60 • CH4% volume increased from 2 to 7, dropped to 0 and ended the period at 3 • O2% volume decreased from 19.8 to 15.6 rose to 20.6 and ended the period at 17.2 • CO and H2S remained unchanged at 0 ppm with a 0.5 ppm reading on 12/1/09 At the cistern: no changes from previous measurement with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
220100	Cordova	10/30/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	Initial readings were variable with readings as low as 0 and as high as >100% LEL and greater the 5% CH4 by volume. After 3/14/08 mostly readings at 0 with some readings at levels slightly above 0.	No changes from previous measurements with % LEL and CH4% volume at 0, O2% volume at 20.9 and CO and H2S at 0 ppm
191079	Brian Dale	8/15/07	1/19/10	12/14/09, 1/19/10	Variability between 0 and >100% LEL and 5% or greater CH4 by volume until 11/14/08 and since that time no methane has been detected.	No change from previous measurement at wellhead or Well #2 with 0% LEL, no detectable methane, O2% volume at 20.9, and CO and H2S at 0 ppm.
193092	Degan	8/25/08	1/19/10	12/14/09, 1/19/10	Initial readings were variable between 0 and >100% LEL and 5% by volume CH4. Since 2/17/09 there has been no detectable methane.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9, and CO and H2S at 0 ppm.
	Dernell	8/15/07	1/18/10	12/14/09, 1/18/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
258651	Gonzalez	5/22/08	1/18/10	12/1/09, 12/15/09, 12/28/09, 1/18/10	Methane readings were >100% LEL and CH4 % by volume mostly above 20. From 4/9/09 to 7/13/09 values were reduced with % LEL below 50 and CH4 % by volume below 3. From 7/30/09 reading to present values are once again >100% LEL and CH4% by volume greater than 20 except for latest reading which was once again reduced. There has been no detectable methane at the cistern.	At the wellhead: • % LEL increased from 21 to >100 with a low reading of 0 on 12/28/09 • CH4% volume increased from 1.05 to 17 with a low reading of 0 on 12/28/09 • O2% volume decreased from 20.9 to 17.1 • CO and H2S remained at 0 ppm At the cistern: no changes from previous measurement with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
	Haupt #1	6/1/09	1/18/10	12/15/09, 1/18/10	There have been minimal readings from this wellhead. All readings but one have shown % LEL at >100 with CH4 % by volume at 11 or less.	• % LEL decreased from >100 to 99 with a reading of 0 on 12/15/09 • CH4% volume increased from 3 to 5 • O2% volume increased from 0 to 3.9 • CO remained at 0 ppm • H2S decreased from 2.5 to 0 ppm

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203536	Hurley	8/2/07	1/20/10	12/1/09, 12/15/09, 1/20/10	Readings have fairly consistently shown >100% LEL and CH4 % by volume between 10 and 50 with a couple lower readings. H2S has also been measured, but starting around 9/08 values have been reduced to at or near 0 ppm.	• % LEL remained unchanged at >100 • CH4% volume decreased from 16 to 14 with a high reading of 30 on 12/1/09 • O2% volume increased from 16.4 to 18.3 • CO remained at 0 ppm • H2S increased from 0 to 11.5 ppm
205195	Johnson	8/15/07	1/19/10	12/14/09, 1/19/10	Readings have shown mostly low values of methane (% LEL less than 20 and CH4 % by volume less than 1) with some 0 values.	No change from last measurement with no detectable methane, O2% volume at 20.9 and 0 ppm CO and H2S. Reading at the cistern showed no detectable methane, O2% volume at 20.9 and no CO or H2S. At the #2 well: • % LEL decreased from >100 to 0 • CH4% volume decreased from 5 to 0 • O2% volume increased from 0 to 20.9 • CO remained unchanged at 0 ppm • H2S decreased from 3.5 to 0 ppm
193520X	McEntee	8/2/07	1/19/10	12/14/09, 1/19/10	Initially methane was detected at this wellhead at values of >100% LEL and greater than 10% by volume CH4. Starting 1/28/08 values dropped to at or near 0 with only one higher value on 2/17/09 (>100% LEL and 5% By volume CH4). Mostly no detectable methane since that time with two low level detections; one on 4/22/09 and one on 10/20/09.	At the wellhead and east wellhead there were no changes from previous measurement with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
191345	Pennington	8/7/09	10/20/09	None	Four readings have occurred at this well; showing detectable methane at levels of >100% LEL and CH4% by volume at 15 or less except for 10/20/09 reading which showed lower methane levels (25% LEL and 1.25% CH4 by volume)..	Sampling attempted 12/14/09 and 1/18/10 but gate was locked with no access to well.
121013	Schafer	8/15/07	12/14/09	12/14/09	No methane has ever been detected at this wellhead	No change from previous measurements with no detectable methane, O2% at 20.9 and 0 ppm CO and H2S.
248983	Tobyas	8/3/07	1/18/10	12/1/09, 12/14/09, 12/28/09, 1/18/10	Historically this wellhead has shown wide variance between o and higher methane values of >100% LEL and greater than 5% by volume CH4 with no discernable long term trends.	• % LEL remained unchanged at >100 • CH4% volume decreased from 33 to 5 • O2% volume increased from 13.8 to 19.8 • CO and H2S remained at 0 ppm
Silver Spurs Ranch						
268180	Billstrand	8/12/08	1/19/10	12/17/09, 1/19/10	No methane has been detected at this wellhead except for a low reading on 5/6/09 (5% LEL and 0.25% by volume CH4).	No change from previous measurements with no detectable methane and 0 ppm CO and H2S for the first reading. For the last reading: • % LEL increased from 0 to 6 • CH4% volume increased from 0 to 0.30 • O2% volume decreased from 20.9 to 12.2 • CO and H2S remained unchanged at 0 ppm
215807	Brown	12/8/08	1/19/10	12/17/09, 1/19/10	No methane has ever been detected at this wellhead.	No change from previous measurements with no detectable methane, O2% at 20.9 and 0 ppm CO and H2S for the first reading. For the last reading: • % LEL increased from 0 to 8 • CH4% volume increased from 0 to 0.4 • O2% volume decreased from 20.9 to 20.3 • CO and H2S remained unchanged at 0 ppm

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222294	Cramer	8/3/07	1/19/10	12/17/09, 1/19/10	Most methane readings have been at or near 0 with periodic higher readings.	At the wellhead: • % LEL decreased from 23 to 0 and ended at >100 • CH4% volume decreased from 1.15 to 0 and ended at 5 • O2% volume increased from 3.8 to 20.9 • CO decreased from 95 ppm to 0 and ended at 30 ppm • H2S decreased from 2.5 to 0 ppm No change from previous measurements at the cistern with no detectable methane; O2% at 20.9 and 0 ppm CO and H2S.
192509	Eddleman, Paul	1/17/08	1/19/10	12/17/09, 1/19/10	Readings mostly above >100% LEL and 5% by volume CH4 until 9/23/08 and then levels dropped to mostly 0 until 1/26/09. Since 1/26/09 readings have shown wide variability between low to 0 methane and >100% LEL and greater than 5% by volume methane. Since 6/9/09 methane levels have been consistently higher.	At the wellhead: • % LEL decreased from 5 to 0 and ended at >100 • CH4% decreased from 0.25 to 0 and ended at 20 • O2% volume increased from 18.6 to 20.9 and ended at 0 • CO increased from 0 to 15 ppm • H2S increased from 0 to 1.5 ppm
226536	Eddleman, Todd	1/17/08	1/19/10	12/17/09, 1/19/10	Methane readings have been widely variable from 0 to >100% LEL and 5% by volume CH4. Since 2/16/09 all readings have been lower with %LEL less than 40 and CH4 % Volume less than 2.00.	At the wellhead: • % LEL decreased from 17 to 0 and ended at 60 • CH4% decreased from 0.85 to 0 and ended at 3.00 • O2% volume increased from 15.3 to 20.9 and ended at 0 • CO and H2S remained at 0 ppm
221465	Evenden	8/2/07	1/18/10	12/17/09, 1/18/10	Methane readings have generally been at or near 0 with no detectable methane since 3/24/09 and higher readings on 1/12/09 (>100% LEL and 5% by volume methane).	• % LEL decreased from 6 to 0 and ended at 7 • CH4% decreased from 0.30 to 0 and ended at 0.35 • O2% volume increased from 12.9 to 13.6 and ended at 13 • CO and H2S remained at 0 ppm
	Fischer	1/26/09	10/12/09	None	Only one reading has ever detected methane; on 2/17/09 methane values were 5% LEL and 0.25% by volume CH4.	Not sampled during this reporting period.
214145A	Fitzner	11/18/08	1/19/10	12/17/09, 1/19/10	Methane levels have been at 0 except for readings on 12/15/08, 1/26/09, 3/26/09 and 10/19/09 when values were >100% LEL and 5% by volume CH4.	At the wellhead: • % LEL increased from 0 to >100 • CH4% increased from 0 to 5.00 • O2% volume decreased from 20.9 to 0 • CO and H2S remained at 0 ppm .
31935	Garza-Vela	1/30/08	1/18/10	12/17/09, 1/18/10	Generally there is 0 to low methane levels except for readings on 3/1/08, 5/22/08, and 6/3/08.	No change from previous measurements with 0 % LEL and CH4 % volume, and CO and H2S at 0 ppm O2% volume decreased from 20.9 to 19.2.
196372	Geiselbrecht	8/12/08	1/19/10	12/17/09, 1/19/10	No methane has ever been detected at this wellhead.	No change from previous measurements with 0 % LEL and CH4 % volume, O2% volume at 20.9 and CO and H2S at 0 ppm
246350	Gumpert	7/29/08	1/19/10	12/17/09, 1/19/10	Methane readings have been widely variable with most readings either 0 or >100% LEL and 5% by volume CH4. Since 8/27/09 readings have been below >100% LEL and 10% CH4 by volume.	• % LEL decreased from 39 to 0 and ended at >100 • CH4% decreased from 1.95 to 0 and ended at 6.00 • O2% volume increased from 3.8 to 20.9 and ended at 0 • CO decreased from 95 ppm to 0 and ended at 14 • H2S decreased from 2.5 ppm to 0
196371	Lyon	8/15/07	1/19/10	12/17/09, 1/19/10	Most methane readings have been at or near 0 with higher values of >100% LEL and 5% by volume CH4 on 5/22/08 and 4/22/09. beginning with 6/18/09 reading methane has been regularly detected.	• % LEL decreased from 28 to 0 and ended at >100 • CH4% volume decreased from 1.40 to 0 and ended at 5.00 • O2% volume increased from 2.1 to 20.9 and ended at 1.2 • CO decreased from 9 ppm to 0 • H2S remained unchanged at 0 ppm

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271524-A	Modlish	1/30/08	1/19/10	12/17/09, 1/19/10	Most methane readings have been at or near 0 with higher values of >100% LEL and 5% by volume CH4 on 10/21/08 and 5/20/09.	• % LEL increased from 0 to 7 • CH4% volume increased from 0 to 0.35 • O2% volume decreased from 20.9 to 15.8 • H2S remained unchanged at 0 ppm • CO remained unchanged at 0 ppm
28093MH	Morine	9/10/08	1/19/10	12/17/09, 1/19/10	Only on reading above 0 has been detected at this wellhead. This reading occurred 1/12/09 and showed 5% LEL and 0.25% by volume CH4.	No change from previous measurements with 0 % LEL and CH4 % volume, O2% volume at 20.9 and CO and H2S at 0 ppm
35227MH	Morris	10/8/08	1/19/10	12/17/09, 1/19/10	Methane readings swing widely between 0 and 100 % LEL and 0.00 and 5.00 % CH$ by volume.	• % LEL decreased from 100 to 0 • CH4% volume decreased from 5 to 0 • O2% volume increased from 1.3 to 20.9 • CO and H2S remained unchanged at 0 ppm
190327	Palmer	8/12/08	1/19/10	12/17/09, 1/19/10	No methane was ever been detected at this wellhead until low levels were detected in 10/19/09 and 11/6/09 readings.	• % LEL decreased from 6 to 0 and ended at 9 • CH4% volume decreased from 0.30 to 0 and ended at 0.45 • O2% volume increased from 4.4 to 20.9 and ended at 6.3 • CO remained unchanged at 0 ppm • H2S increased from 0 to 0.5 ppm
197128	Roberts	4/08/08	12/17/09	12/17/09	Methane readings have historically been widely variable from 0 to >100% LEL and 5% by volume CH4.	• % LEL decreased from 15 to 0 • CH4% volume decreased from 0.75 to 0 • O2% volume increased from 5.9 to 20.9 • CO decreased from 3 to 0 ppm • H2S remained unchanged at 0 ppm Sampling also attempted on 1/19/10 but gate was locked with no access.
271748	Sample	3/10/08	1/19/10	12/17/09, 1/19/10	Most of the readings from this wellhead have been at or near 0 detectable methane with higher readings on 5/22/08, 6/3/08, and 5/20/09 of >100% LEL and 5% by volume CH4. More consistent methane readings have occurred recently beginning in July 2009.	• % LEL increased from 0 to 3.3 • CH4% volume increased from 0 to 1.65 • O2% volume decreased from 20.9 to 10.9 • CO remained unchanged at 0 ppm • H2S increased from 0 to 0.5 ppm
192144	Snow	8/2/07	1/19/10	12/17/09, 1/19/09	No measurable methane until 10/4/07, then widely variable levels ranging from 0 to >100% LEL and 5% by volume CH4 with no discernable trends.	• % LEL decreased from 8 to 0 and ended at >100 • CH4% volume decreased from 0.4 to 0 and ended at 5.00 • O2% volume increased from 5.9 to 20.9 and ended at 0 • CO decreased from 3 ppm to 0 • H2S remained unchanged at 0
213070	Stephens	8/12/08	1/19/10	12/17/09, 1/19/10	No methane had ever been detected at this wellhead until low levels were detected on 10/19/09.	• % LEL remained unchanged at 0 • CH4% volume remained unchanged at 0 • O2% volume decreased from 19.5 to 15.3 • CO remained unchanged at 0 ppm • H2S decreased from 1.5 to 0 ppm
233286A	Stetler	3/17/09	1/19/10	12/17/09, 1/19/10	Methane levels have been showing an overall increase since the start of monitoring with levels general very low at the start of monitoring in early 2009 and increasing to present, although not a consistent increase with some nondetectable methane readings recorded. No methane has ever been detected at the cistern.	• % LEL decreased from 69 to 0 • CH4% volume decreased from 3.45 to 0 • O2% volume increased from 15.3 to 20.9 • CO decreased from 18 to 0 ppm • H2S remained unchanged at 0 ppm
261753	Wahl	8/5/09	8/5/09	None	No methane has ever been detected at this wellhead.	Sampling attempted 12/17/09 and 1/19/10 but gate was locked preventing access.

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234839	Waltz	8/12/08	1/19/10	1/19/10, 12/17/09	No methane has ever been detected at this wellhead.	No changes from previous measurement with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
234836	White, Jim	1/4/08	1/19/10	12/17/09, 1/19/10	Methane levels have been widely variable between no detectable methane and methane levels at >100% LEL and 5% by volume CH4 with no discernable trends. No methane has ever been detected at the cistern.	• % LEL increased from 0 to >100 • CH4% volume increased from 0 to 5.00 • O2% volume decreased from 20.9 to 0 • CO remained unchanged at 0 ppm • H2S increased from 0 to 2.5 ppm
219376	White, Orlie	8/2/07	1/19/10	12/17/09, 1/19/10	Methane values historically at low to 0 with %LEL above 100 and CH4 % by volume at 5 to 10 on 5/22/08 and from 9/10/08 to 10/29/08. Three detectable methane readings in 2009; one on 3/26/09 at 30% LEL and 1.5% CH4 by volume; one on 9/29/09 at 8% LEL and 0.4% CH4;and one on 10/19/09 of >100% LEL and 5.00% CH4 by volume.	• % LEL increased from 0 to >100 • CH4% volume increased from 0 to 5.00 • O2% volume decreased from 20.9 to 0 • CO and H2S remained unchanged at 0 ppm
Black Hawk Ranch						
218719	Goza	1/14/09	1/19/10	12/17/09, 1/19/10	No methane has ever been detected at this wellhead.	• % LEL increased from 0 to 5 • CH4% volume increased from 0 to 0.25 • O2% volume decreased from 20.9 to 18.3 CO and H2S remained unchanged at 0 ppm

Table 4 Methane Readings Schedule (15 January 2010)							
Landowner	**Subdivision**	**Water Level**	**Cistern**	**Bi-Monthly**	**Monthly**	**Quarterly**	**Weekly**
Monitoring Within 1 Mile Radius or of Special Interest							
Kathy Dee	River Ridge				X		
R. Gonzalez	River Ridge				X		
McPherson	River Ridge				X		
Rohr	River Ridge					X	
Houghtling	River Ridge		X	X			
Kent Smith	River Ridge		X	X			
Bergman	River Ridge			X			
Lively	River Ridge					X	
Kerman	River Ridge		X	X			
Conley	River Ridge				X		
Searle	River Ridge				X		
Derowitsch	River Ridge		X	X			
Colorado-Switzer	River Ridge					X	
English	River Ridge		X		X		
Golden Cycle Land (Goemmer)	River Ridge			X			
Burge	La Veta Pines				X		
Barrett	River Ridge			X			
Hopke	River Ridge		X	X			
Masters #1	River Ridge			X			
Coleman	River Ridge			X			
BLM 15-12	La Veta Pines				X		
Lively 10-02	River Ridge			X			

Table 4 Methane Readings Schedule (15 January 2010)							
Landowner	**Subdivision**	**Water Level**	**Cistern**	**Bi-Monthly**	**Monthly**	**Quarterly**	**Weekly**
River Ridge Ranch							
Wolahan	River Ridge		X		X		
Martin	River Ridge				X		
Speh	River Ridge				X		
Lang	River Ridge		X			X	
Roloff	River Ridge	X			X		
Hoppe (Goacher)	River Ridge				X		
May	River Ridge				X		
Brice	River Ridge				X		
Goodwin	River Ridge		X		X		
Ireland	River Ridge				X		
Andexler	River Ridge		X		X		
Sharp	River Ridge		X		X		
Ryerson	River Ridge	X		X			
Meyers	River Ridge			X			
Hentschel	River Ridge				X		
Rankins	River Ridge					X	
Lowry	River Ridge					X	
Goemmer Cattle	River Ridge					X	
Higgins	River Ridge	X		X			
Campbell	River Ridge				X		
Rhodes	River Ridge				X		
City Ranch							
T. Gonzalez	City Ranch		X	X			
Hurley	City Ranch	X	X		X		
Tobyas	City Ranch			X			

Table 4 Methane Readings Schedule (15 January 2010)							
Landowner	**Subdivision**	**Water Level**	**Cistern**	**Bi-Monthly**	**Monthly**	**Quarterly**	**Weekly**
Dale	City Ranch				X		
McEntee	City Ranch				X		
Johnson	City Ranch		X		X		
Cordova	City Ranch			X			
Dernell	City Ranch				X		
Schaefer	City Ranch					X	
Bruington	City Ranch		X	X			
Bartlett	City Ranch					X	
Pennington – Birkman	City Ranch				X		
HAUPT #1	City Ranch				X		
Deagan	City Ranch					X	
Bear Creek/Silver Spurs							
Andreatta/Carsella	Bear Creek				X		
Orlie White	Silver Spurs	X			X		
Evenden	Silver Spurs				X		
Roberts	Silver Spurs				X		
Snow	Silver Spurs	X			X		
Cramer	Silver Spurs	X	X		X		
Lyon	Silver Spurs				X		
Jim White	Silver Spurs		X		X		
Garza-Vela	Silver Spurs				X		
Modlish	Silver Spurs				X		
Todd Eddleman	Silver Spurs				X		
Paul Eddleman	Silver Spurs				X		
Sample	Silver Spurs		X		X		
Billstrand	Silver Spurs				X		

Table 4 Methane Readings Schedule (15 January 2010)							
Landowner	**Subdivision**	**Water Level**	**Cistern**	**Bi-Monthly**	**Monthly**	**Quarterly**	**Weekly**
Waltz	Silver Spurs				X		
Stephens	Silver Spurs				X		
Palmer (G/S)	Silver Spurs				X		
Geoselbrecht	Silver Spurs				X		
Morine	Silver Spurs				X		
Morris	Silver Spurs					X	
Brown	Silver Spurs	X			X		
Fitzner	Silver Spurs				X		
Fischer	Silver Spurs					X	
Wahl	Silver Spurs				X		
Stetler	Silver Spurs		X		X		
Black Hawk Ranch							
Goza	Black Hawk				X		

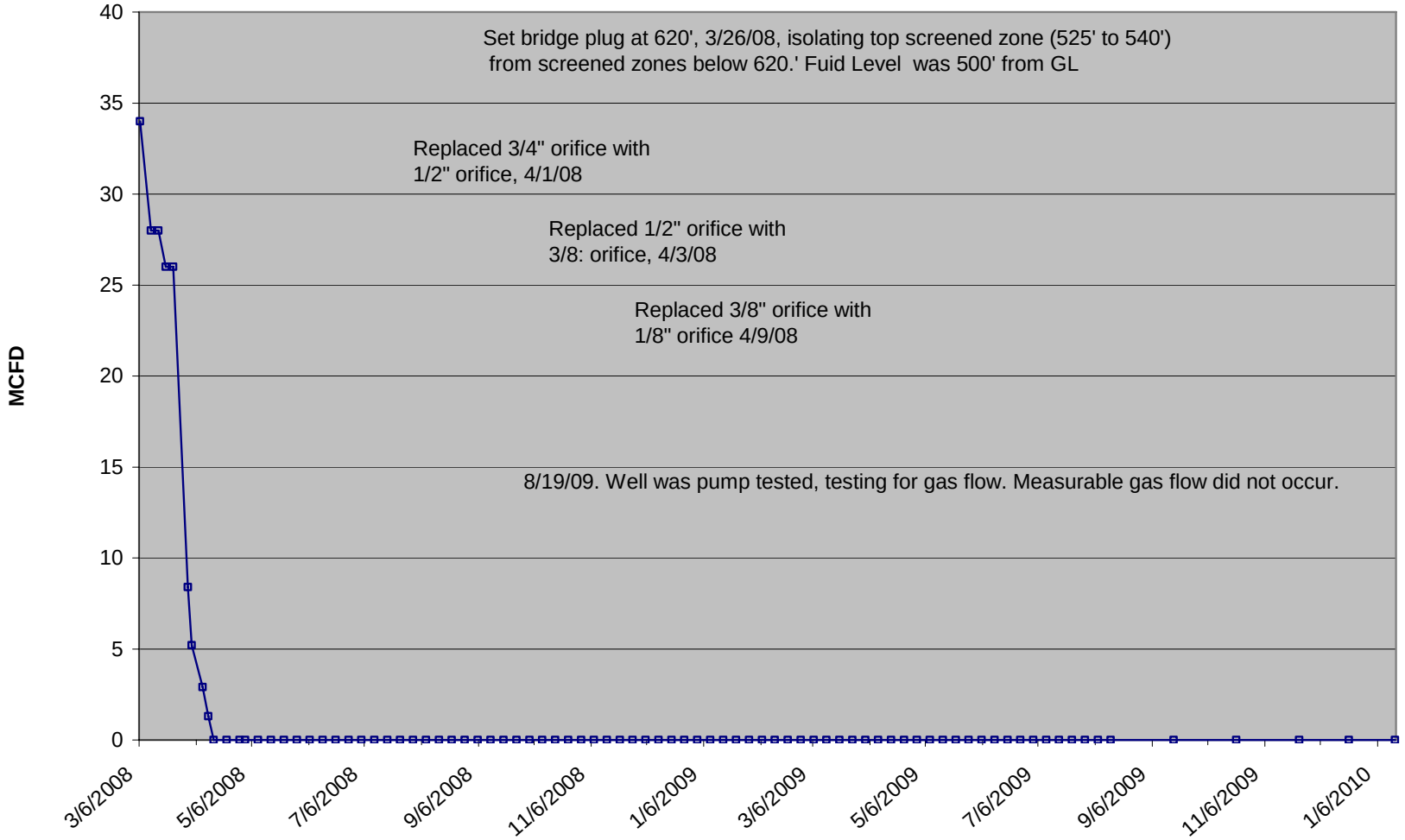
Rohr will be checked Quarterly with Rankin, Lowry, and Goemmer Cattle.
Garbs, Salazar, Wyland, Chaves and Haynes have been removed at request of landowner.
John Fischer location is a mine vent. If possible vent will be monitored with RMLD quarterly.

Table 5 Residences Receiving Water	
Jerry Angely	Has received water provided by PEI
Kent Smith	Has received water provided by PEI
Alan Cramer	Has received water provided by PEI
Tom Gonzales	Has received water provided by PEI
Spencer/Carol Snow	Has received water provided by PEI
Bruington	Has received water provided by PEI
Todd Eddleman	Has received water provided by PEI
Paul Eddleman	Has received water provided by PEI
Jim White	Has received water provided by PEI
Edward Lyon	Has received water provided by PEI
Donald Sharp	Has received water provided by PEI
Edward Johnson	Has received water provided by PEI
Richard McEntee	Has received water provided by PEI
P.C. Roberts	Has received water provided by PEI
Ireland-Murphy	Has received water provided by PEI
Keith Lightcap	Has received water provided by PEI
Bounds	To date has not received water provided by PEI
Houghtling	Added to the list in January 2010

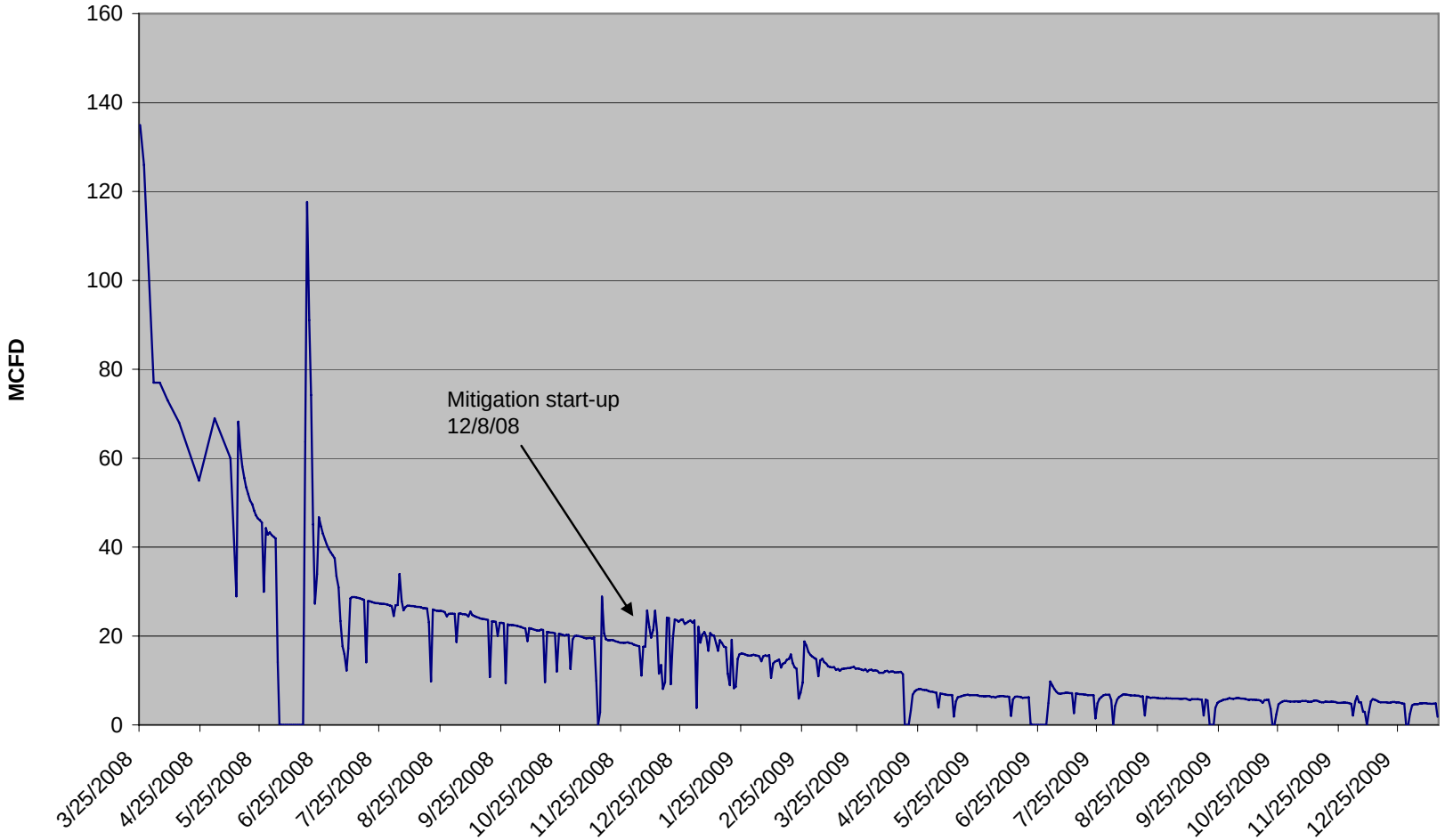
No new residences have been added during this reporting period.

Attachment 1
Gas Flow in Monitoring Well POCI 55, Recovery 1 Kittleson, Recovery 3 PEI and Recovery 4 Barrett

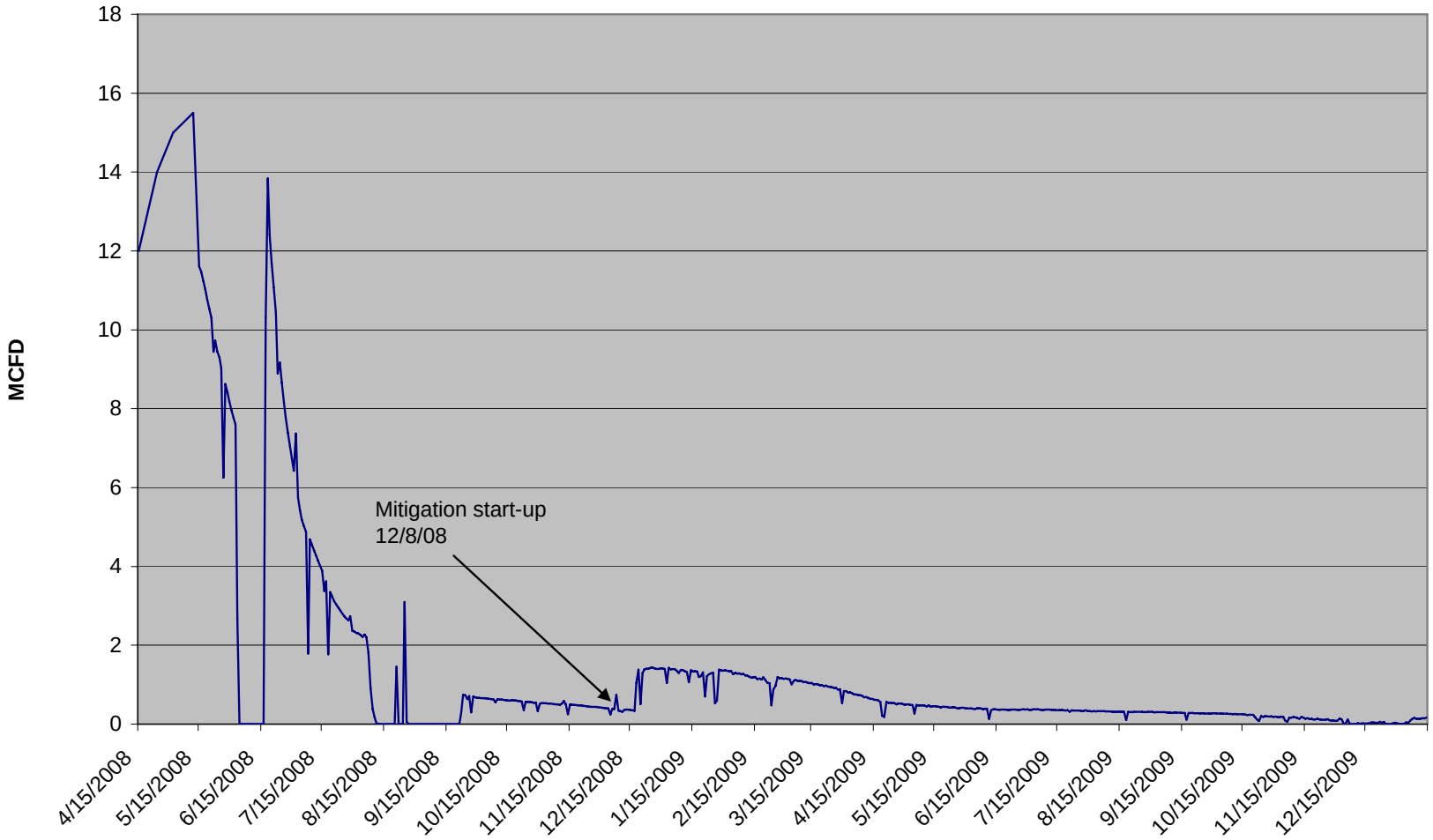
POCI 55 MW Gas Flow from 3/6/08 to 1/15/10



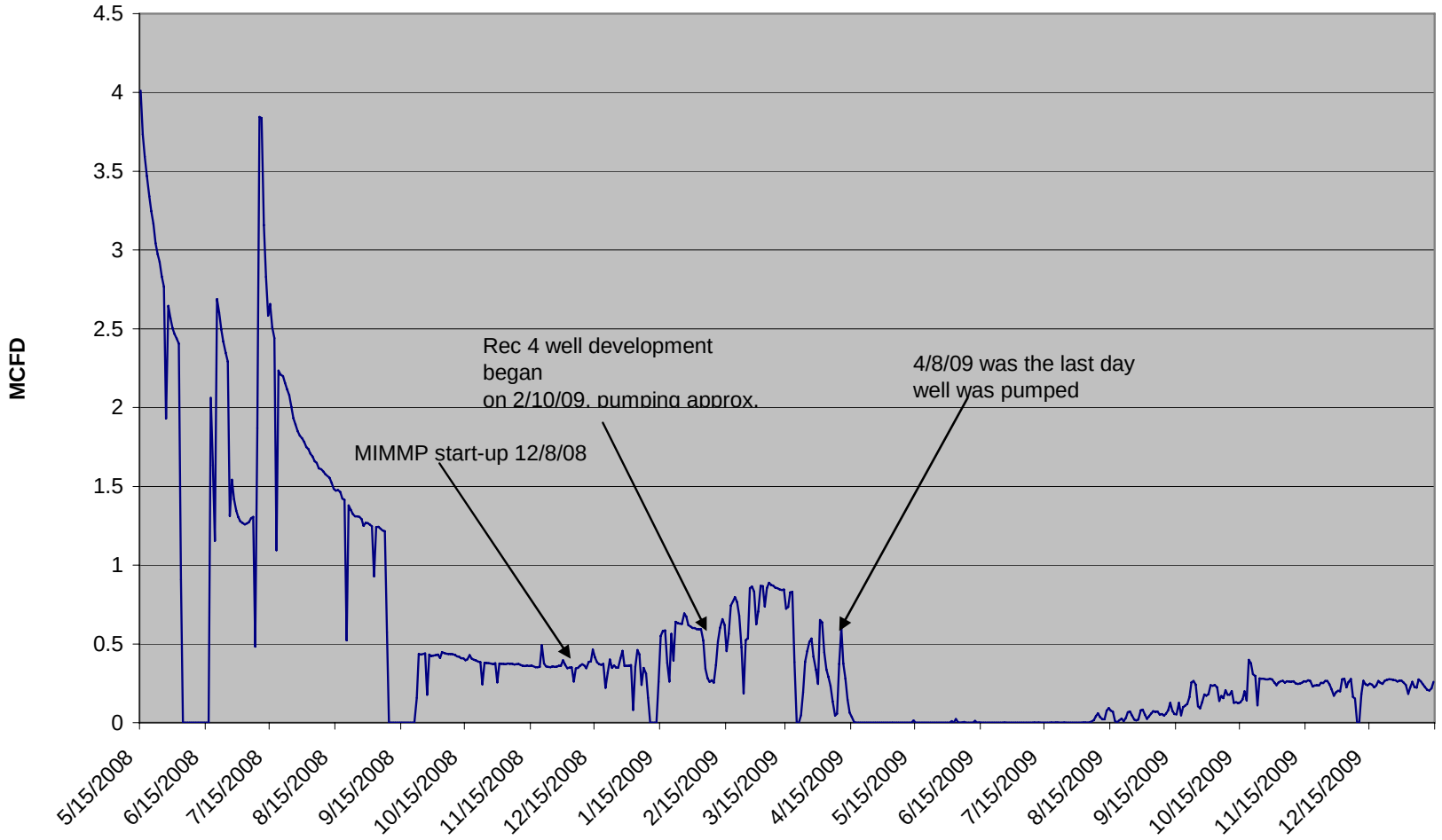
Recovery 1 Kittleson Gas Flow
from 3/25/08 to 1/14/10



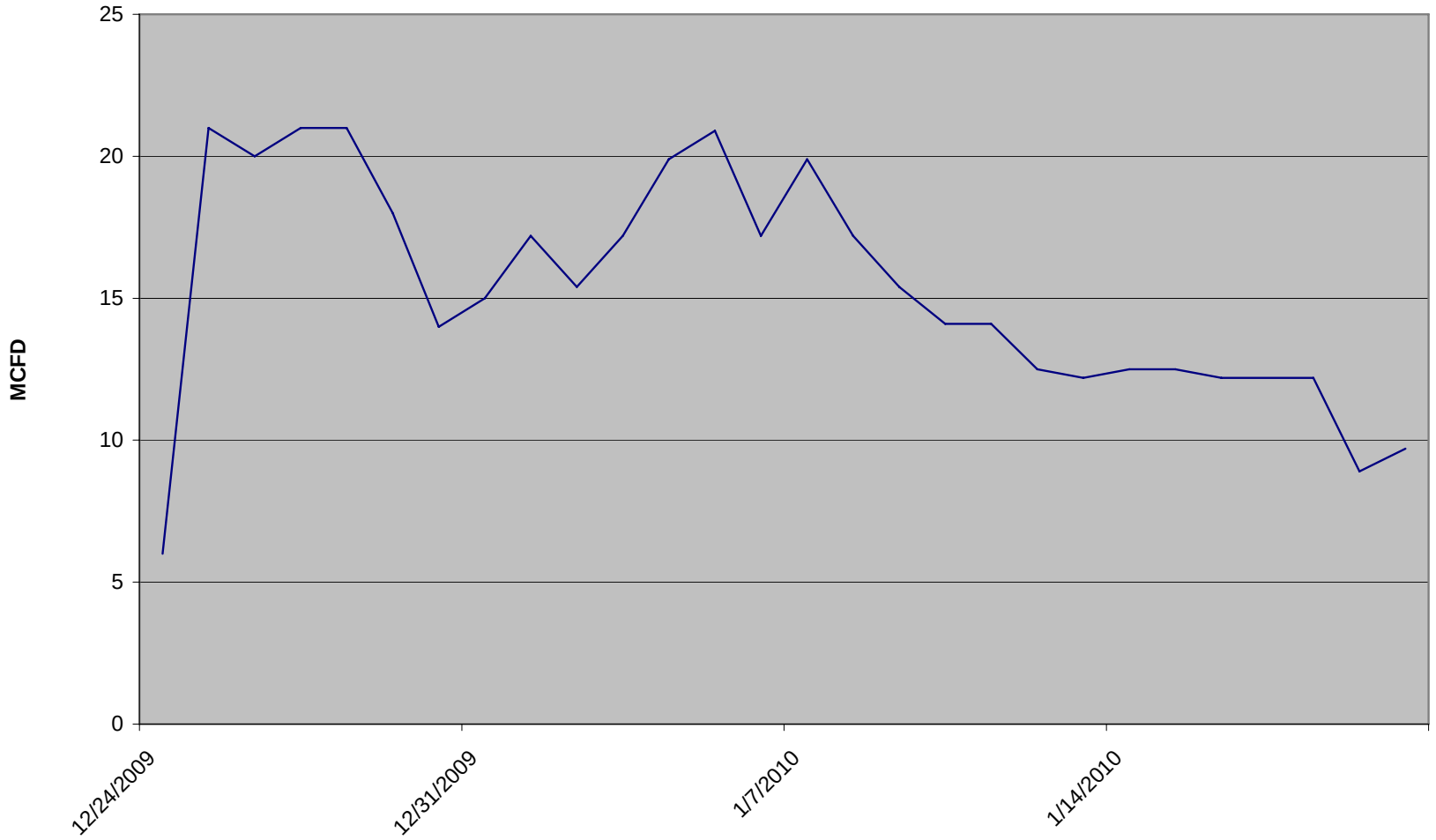
Recovery 3 PEI Gas Flow
from 4/15/08 to 1/14/10



Recovery 4 Barrett Gas Flow
from 5/15/08 to 14/14/10

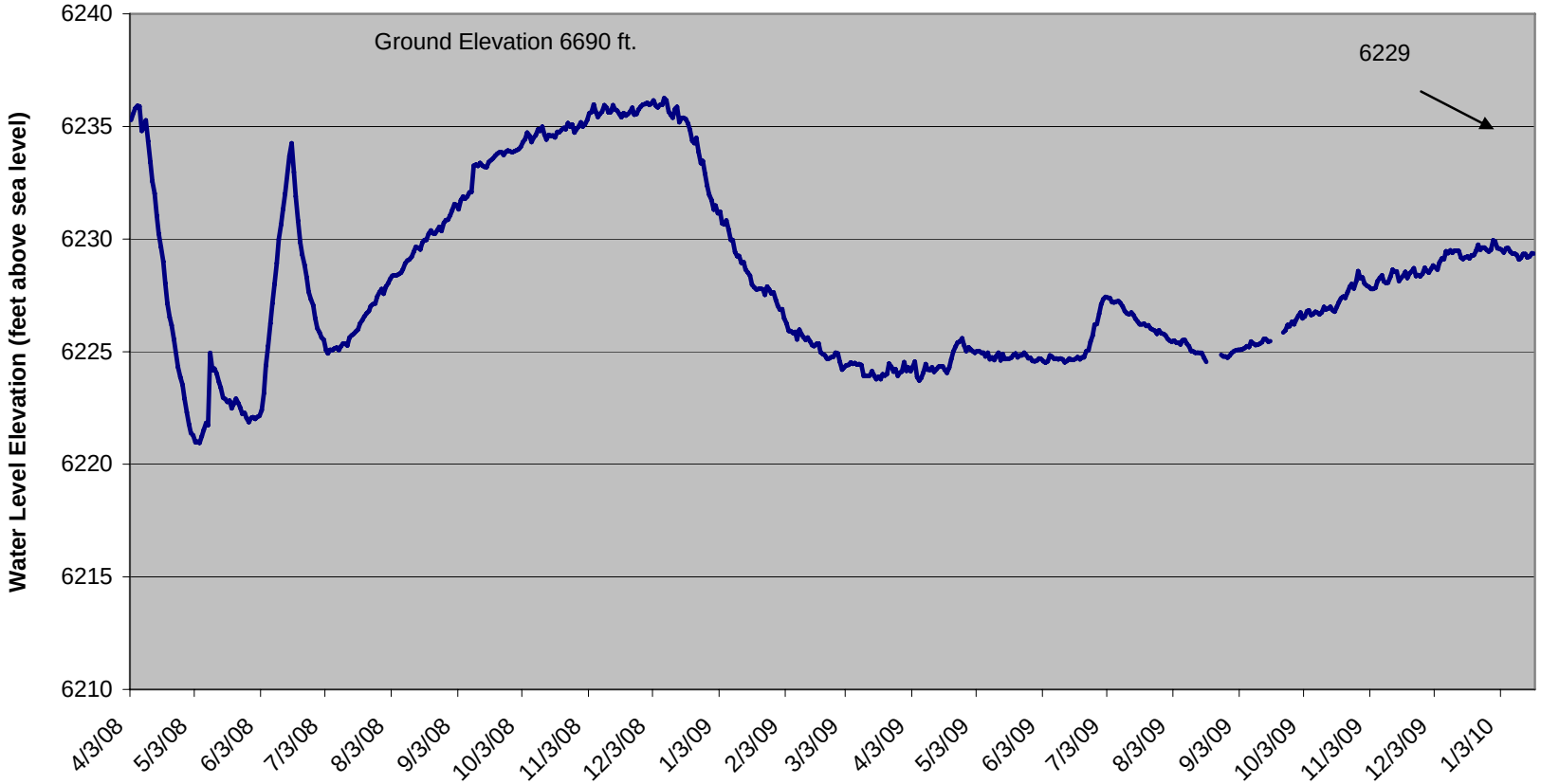


Recovery 5 Masters Gas Flow (Masters WW 257113) from 12/24/09 to 1/20/10

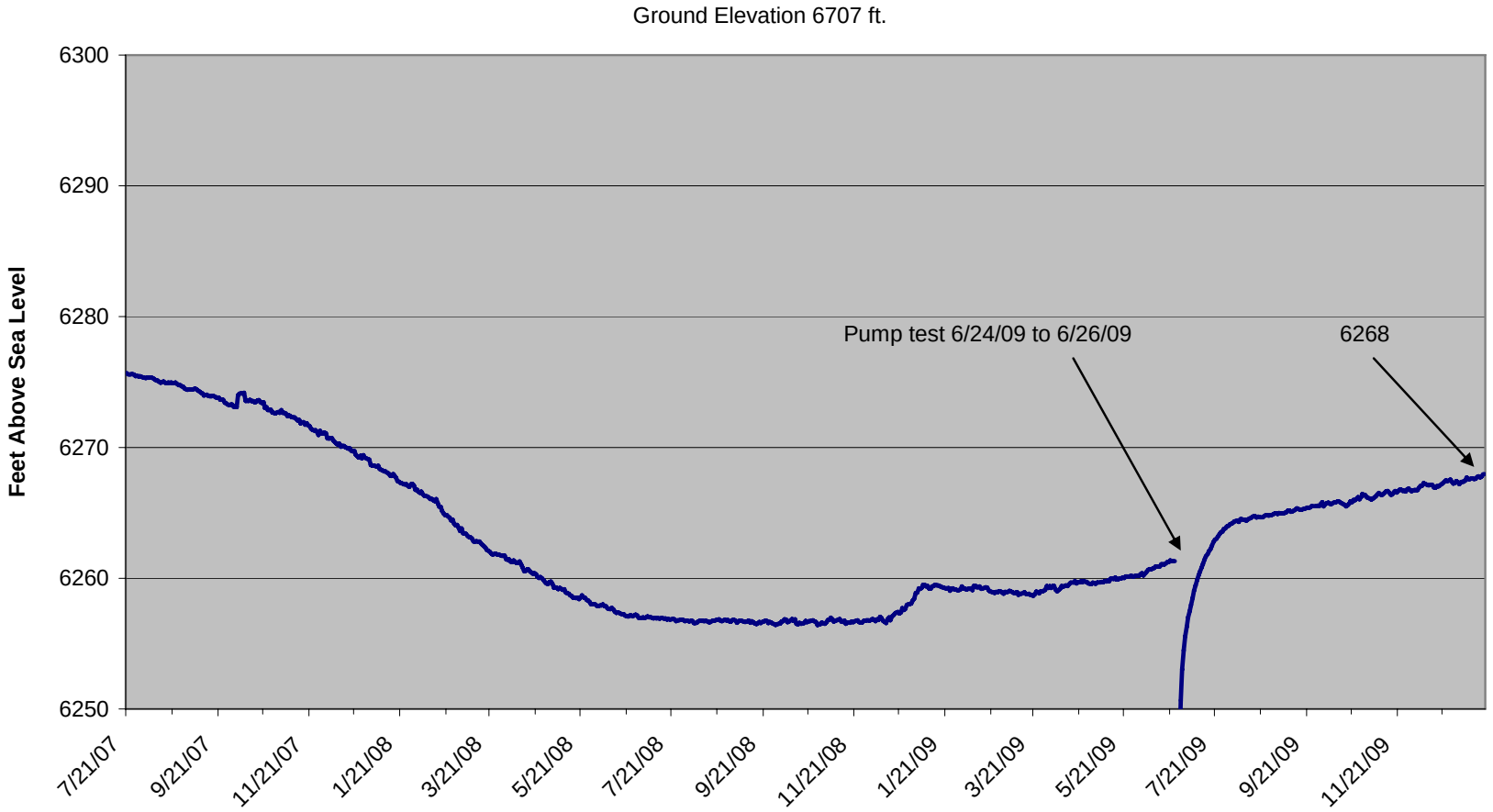


Attachment 2
Graphs of Pressure and Fluid Level Data From
POCI 55, Barrett, Bergman, Bruington, Coleman, Evenden, Garza-Vela and Meyer

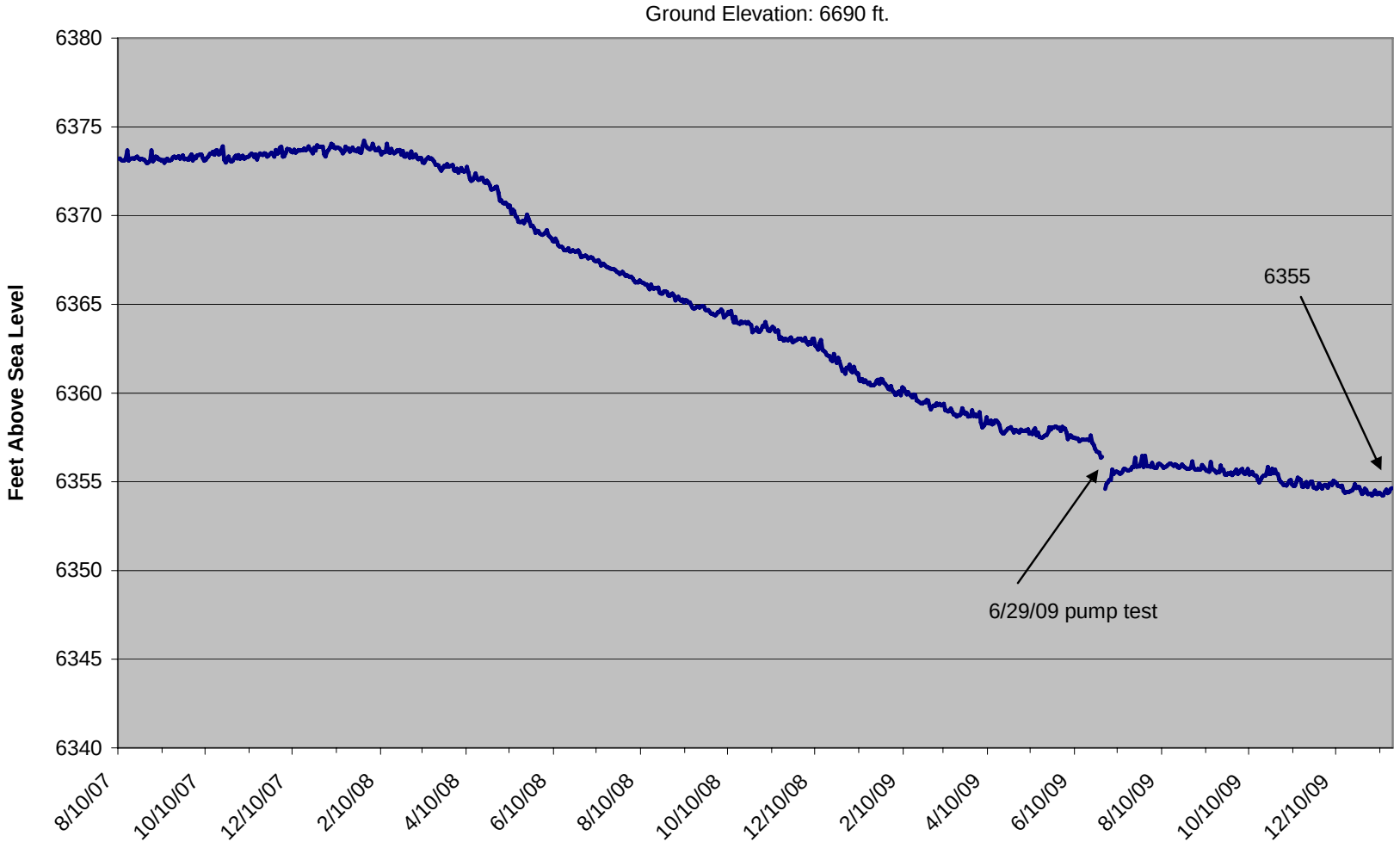
POCI 55 Monitor Well,
Static Water Level Elevation
from 4/2/08 to 1/18/10
Permit # 275819
Lot 55 RRR, SE SW Sec 3 29S 67W, GL elev. 6690'



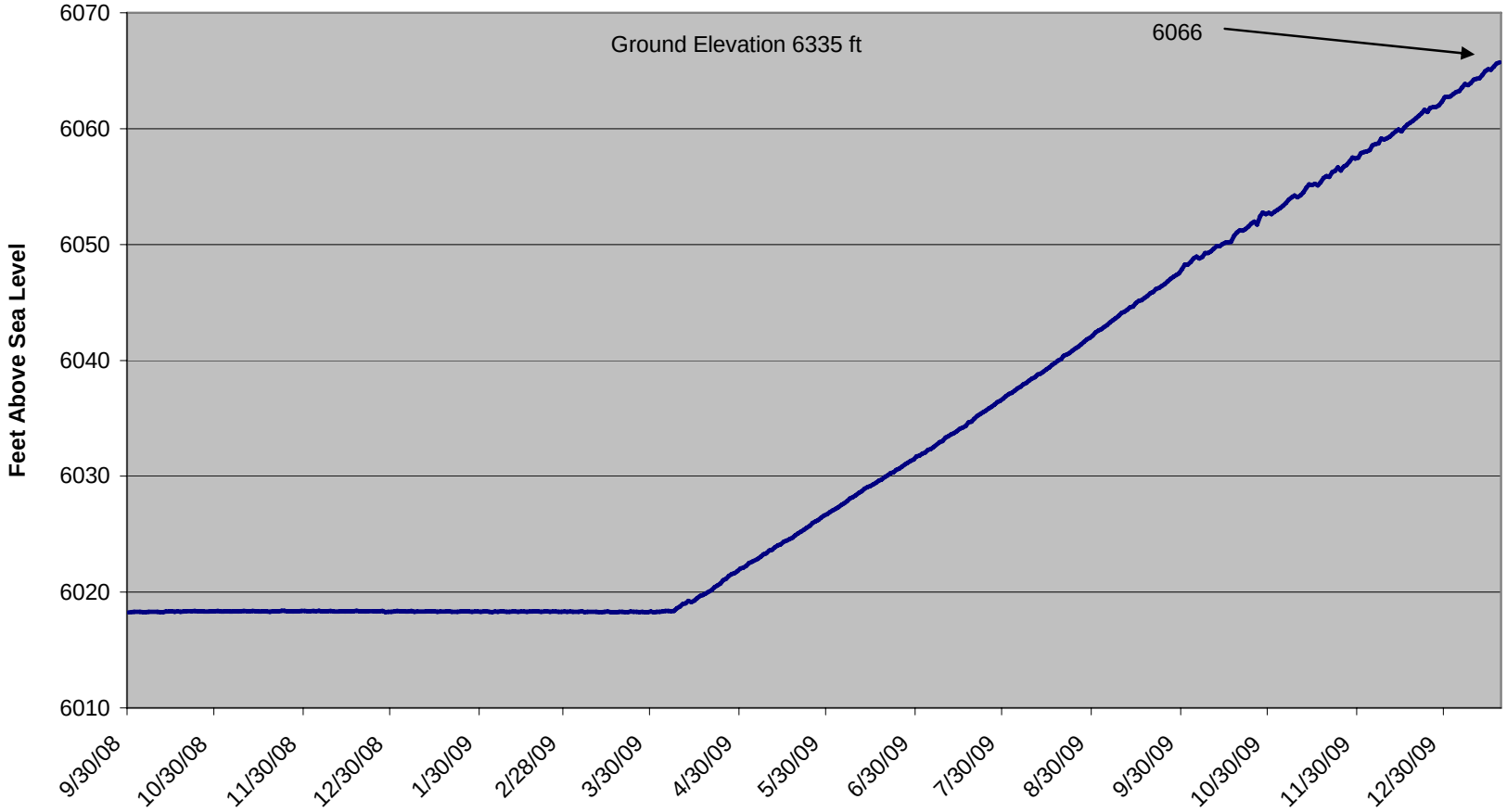
Barrett WW
Static Water Level from 7/21/07 to 1/18/10
Permit # 257994
Lot 57 RRR



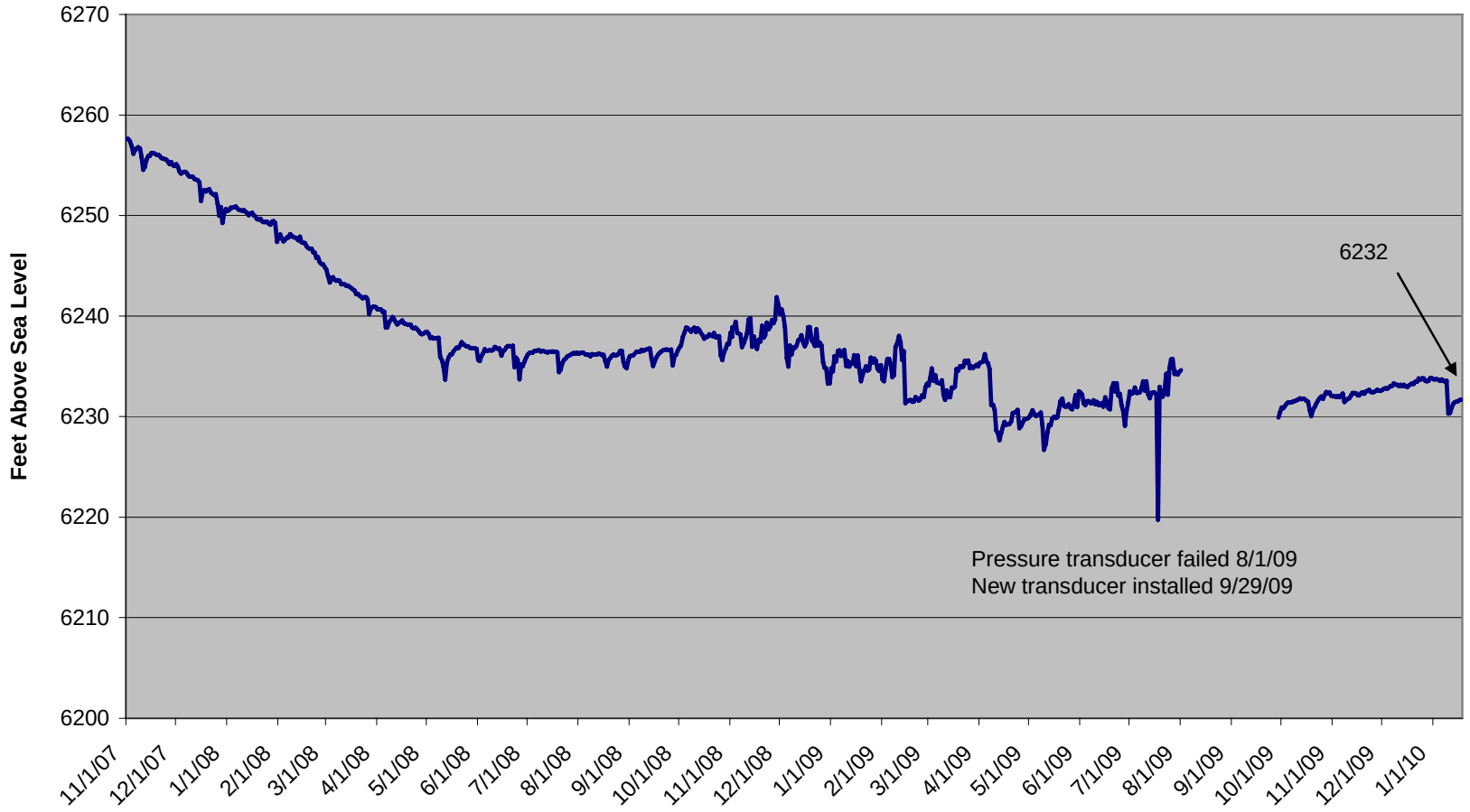
Bergman WW, Static Water Level from 8/10/07 to 1/18/10
Permit # 244403, Lot 48 RRR



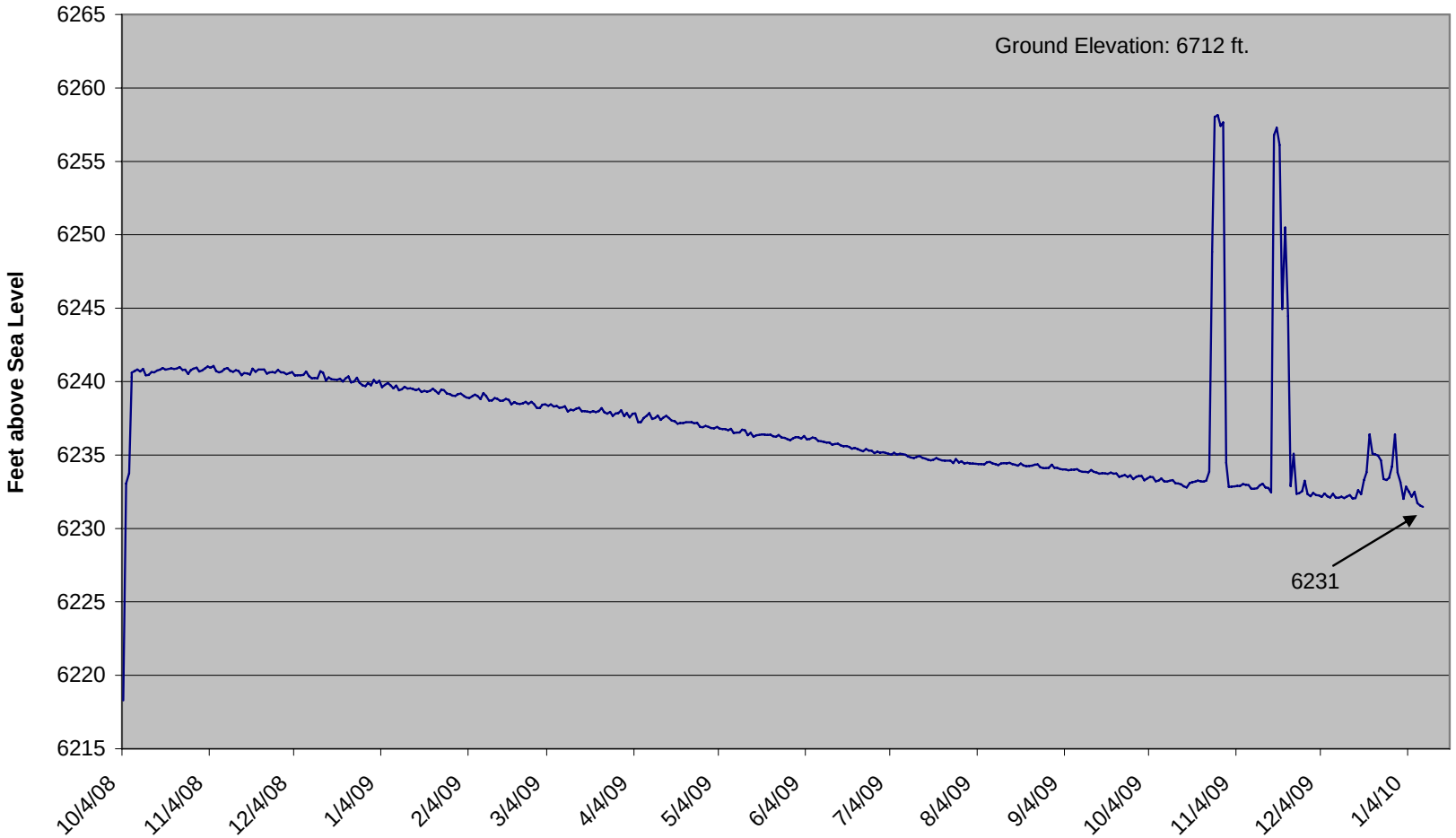
Bruington WW, Permit # 210526, City Ranches Lot 15
Static Water Level
from 9/30/08 to 1/18/10



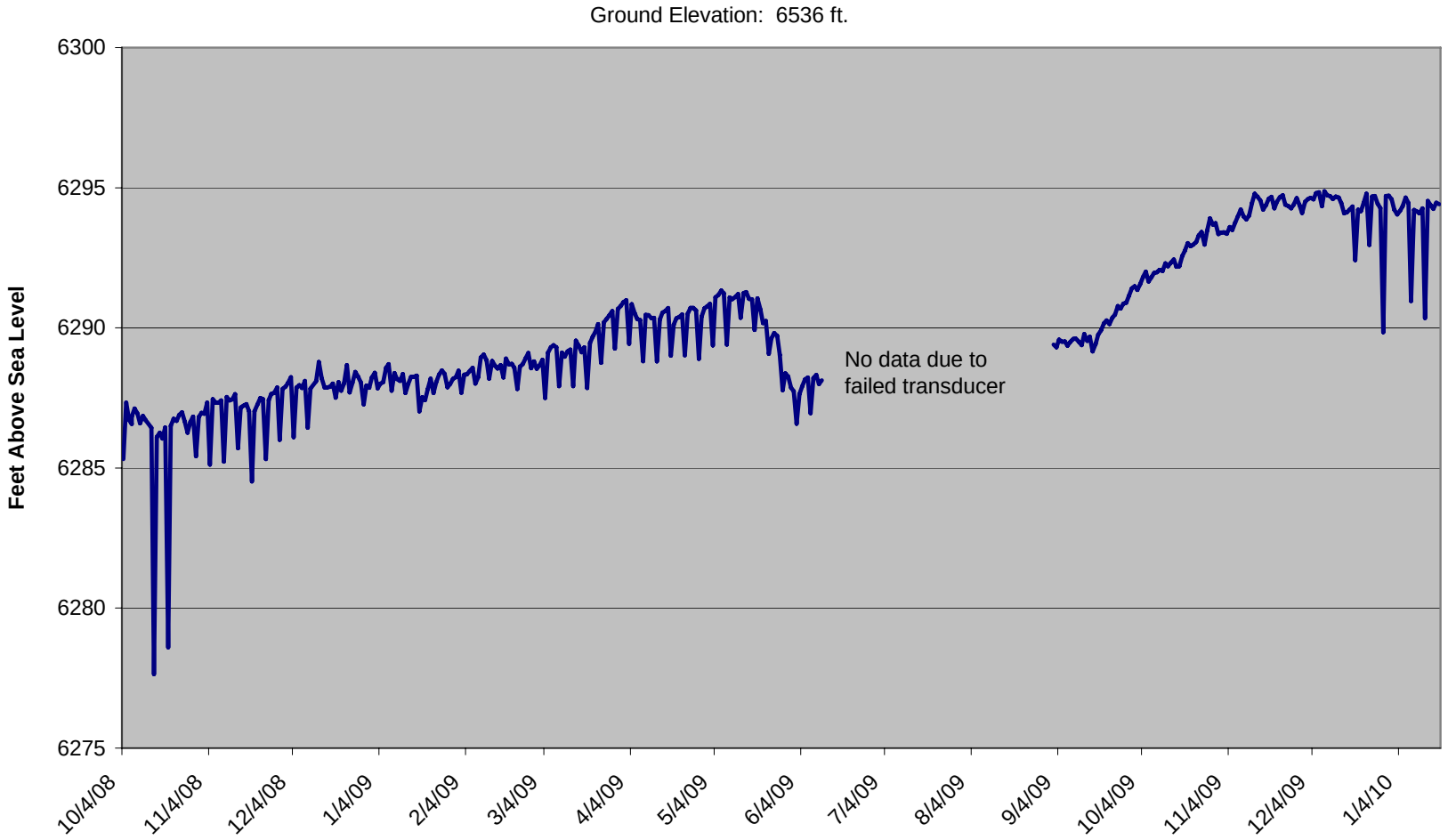
Coleman WW, Water Level from 11/1/07 to 1/18/10
Permit # 267694 Lot 70 RRR
G.L. elev. 6848'



Evenden WW Permit # 221465
Static Water Level from 10/3/08 to 1/9/10

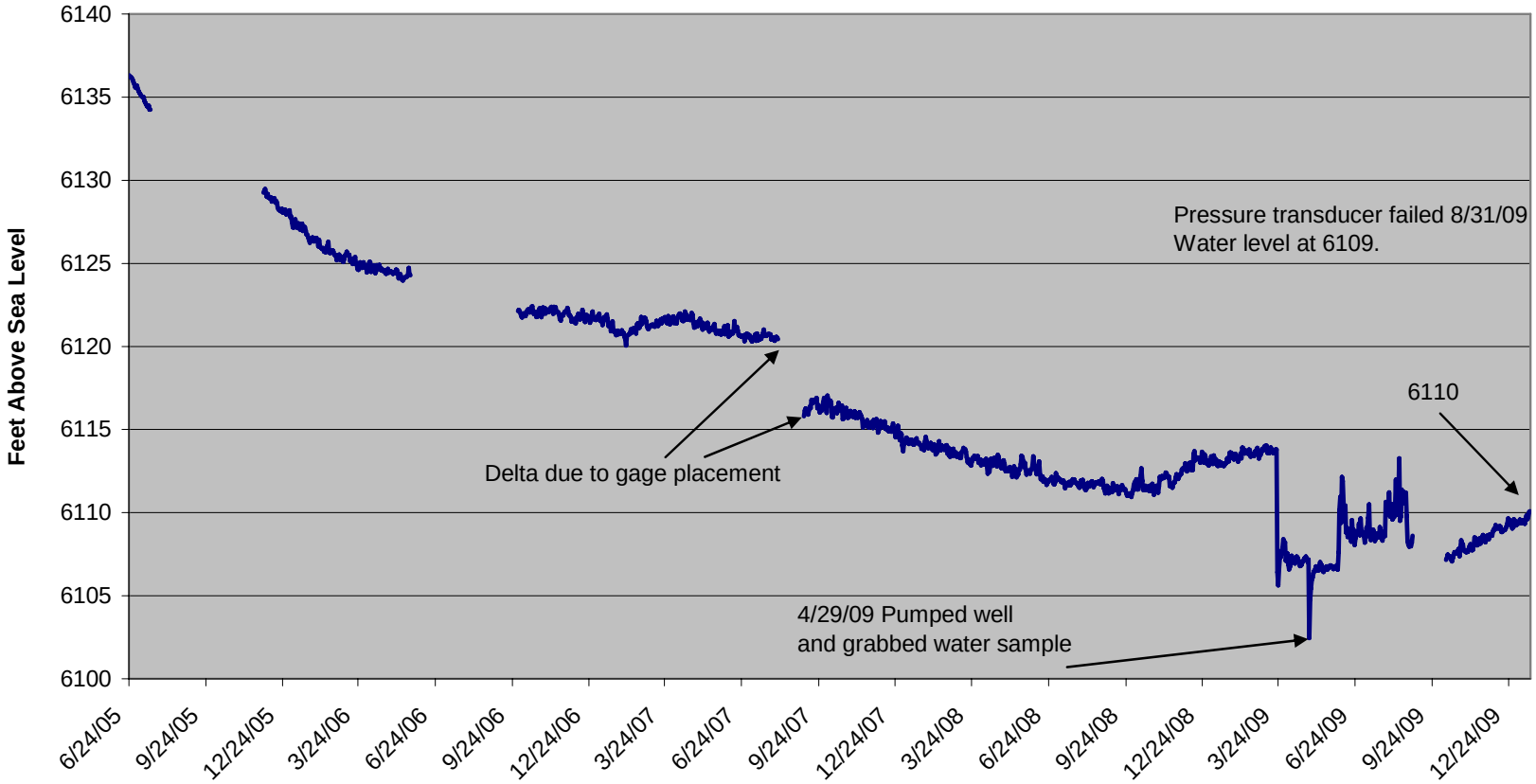


Garza WW, Water Level from 10/3/08 to 1/18/10
Permit # 206886, Lot 60 Silver Spurs Ranch



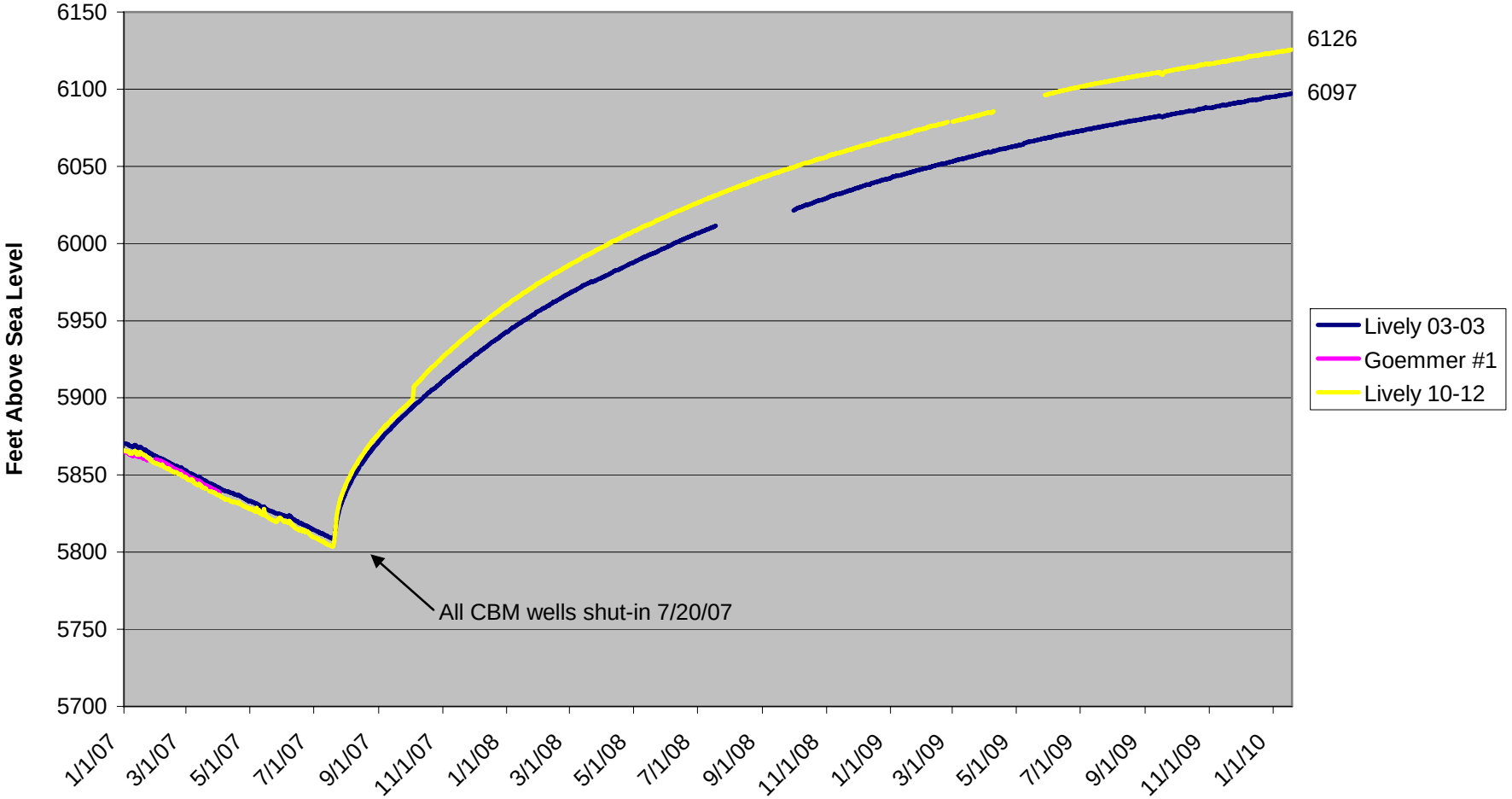
Meyer WW Permit # 248862
Static Water Level
from 6/24/05 to 1/18/10

Ground Elevation: 6575 ft.

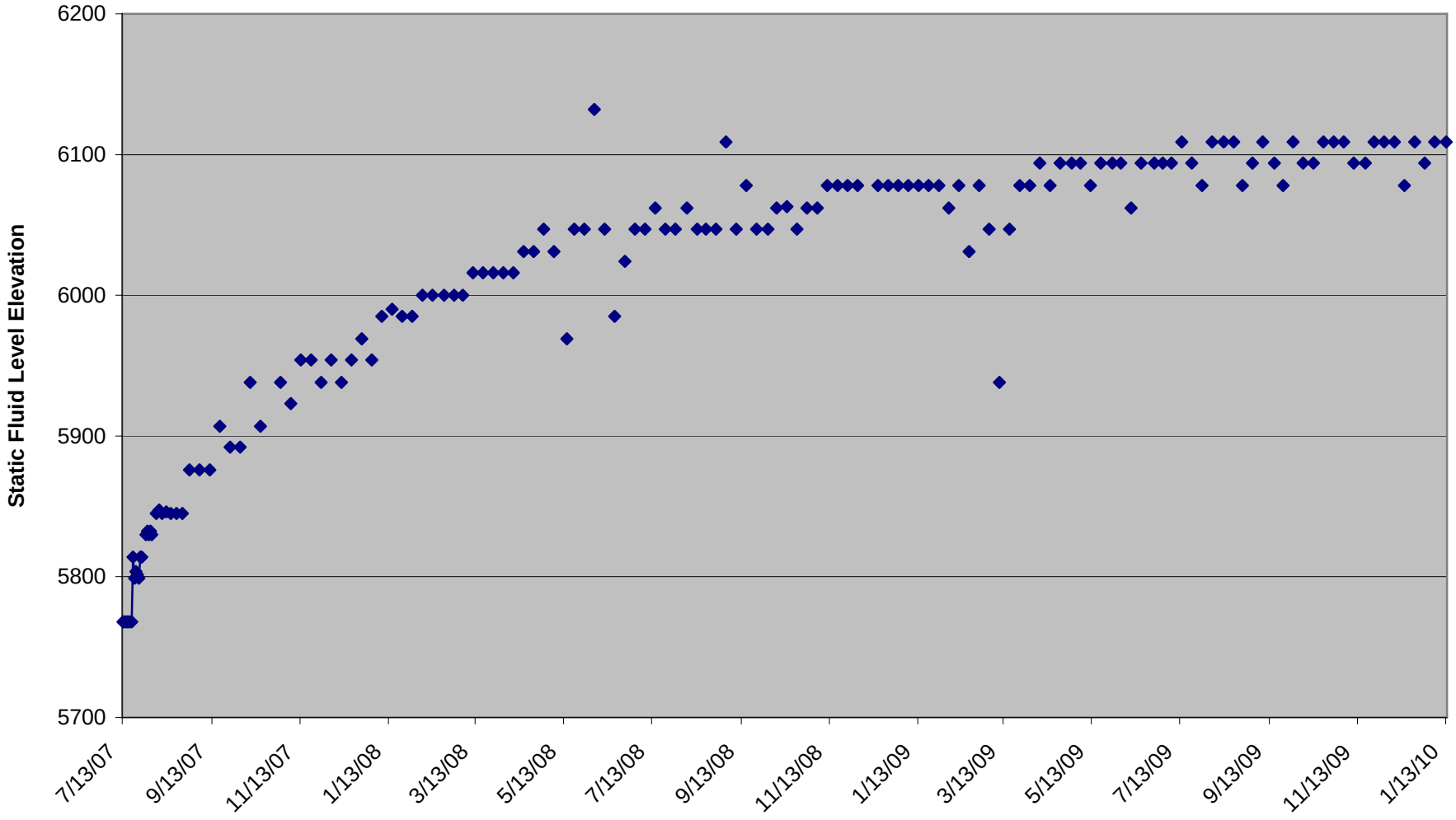


Attachment 3
Fluid Levels in Petroglyph Production Wells

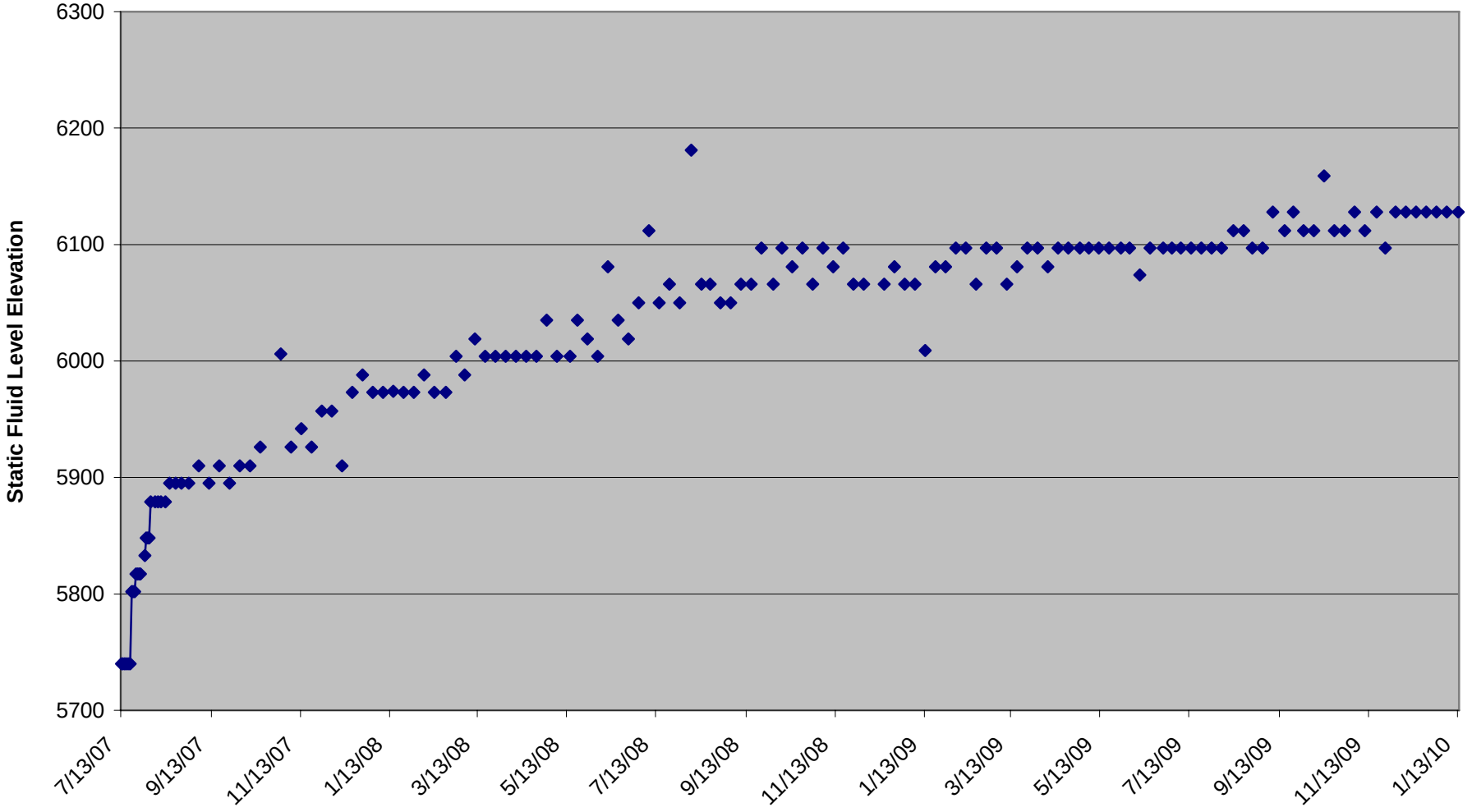
Vermejo/Trinidad Monitor Wells
Static Water Level
from 1/1/07 to 1/18/10



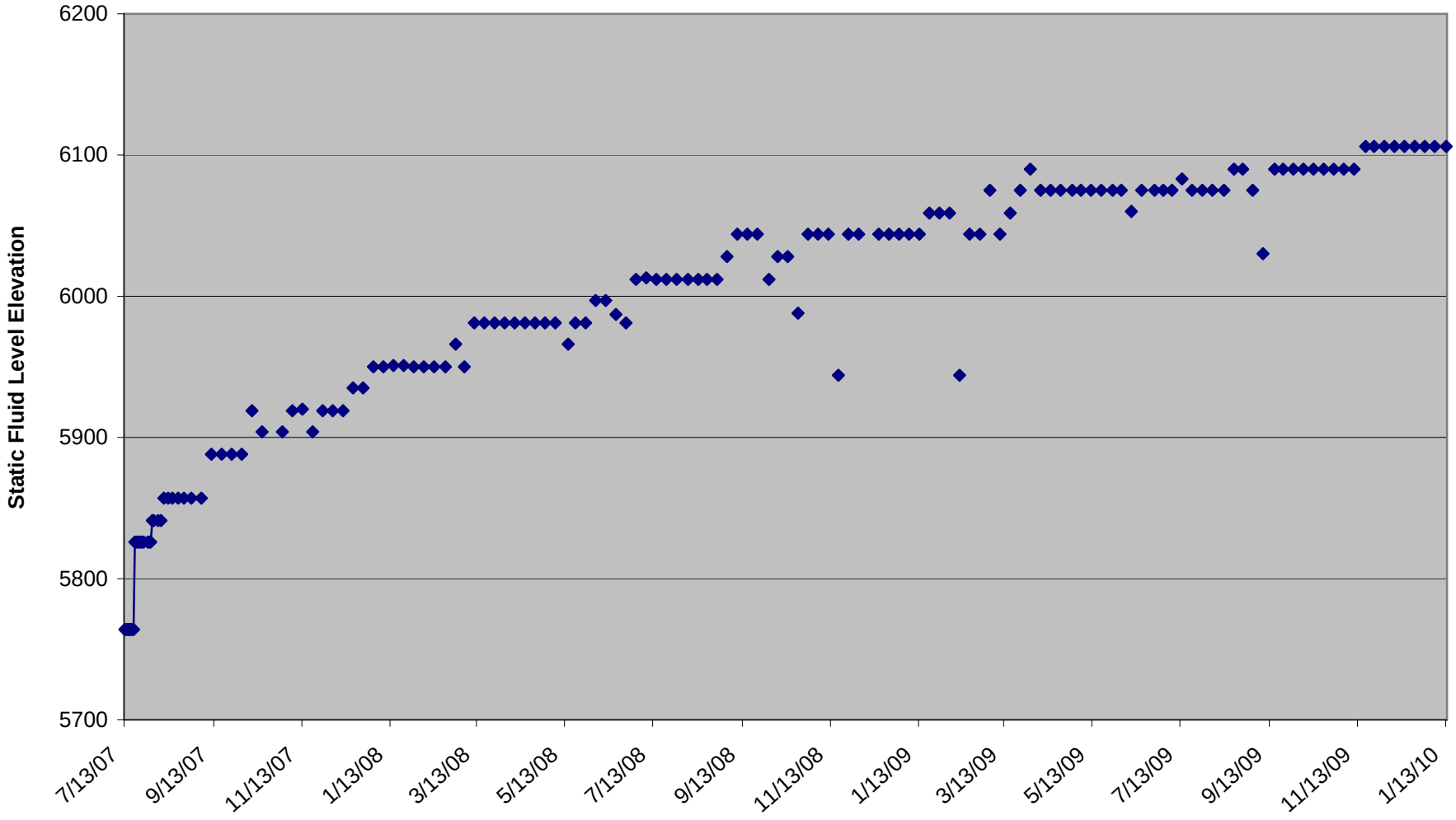
Lively 02-02
7/13/07 thru 1/13/10
Wells shut down 7/20/07



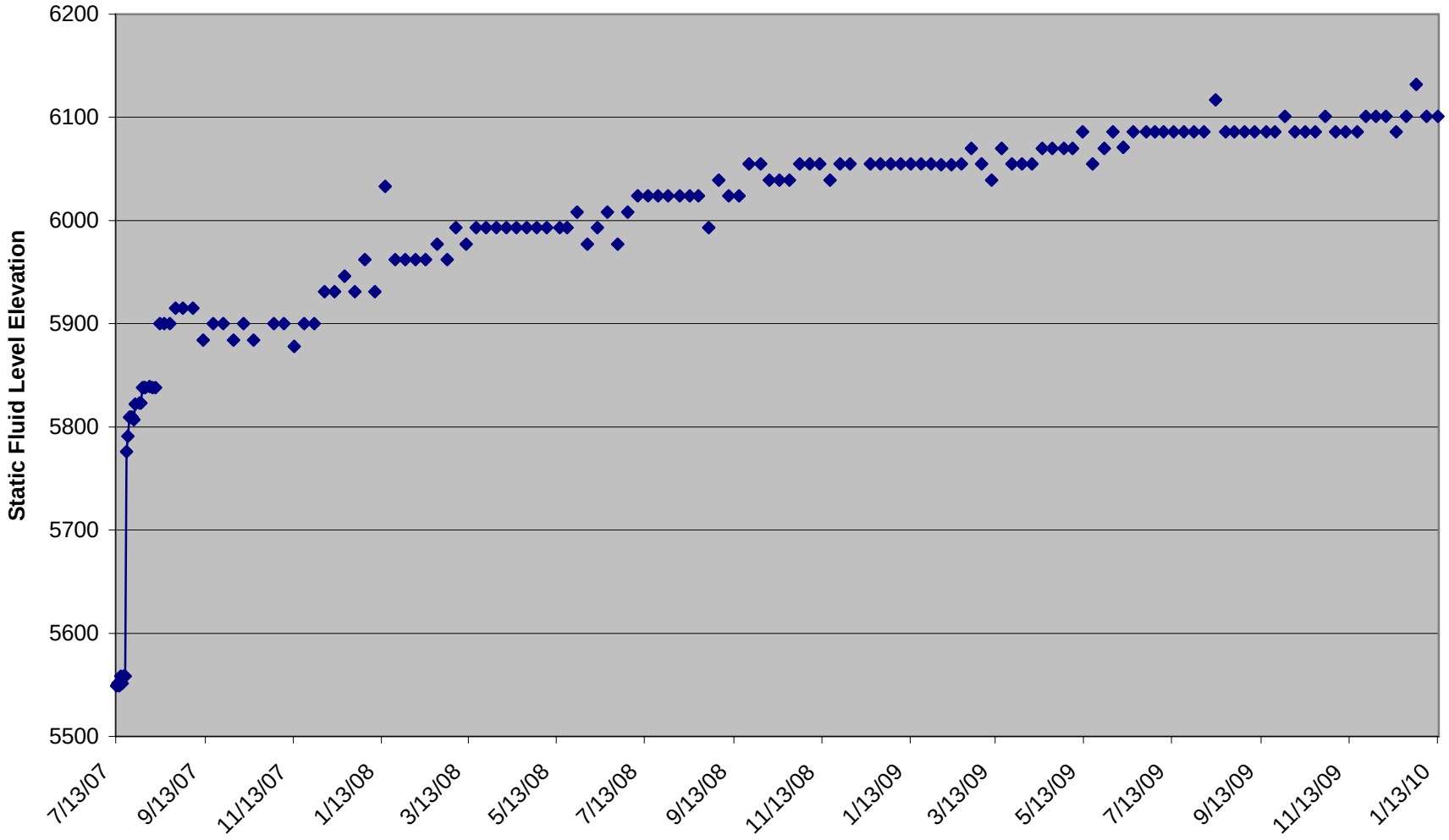
Lively 02-12
7/13/07 thru 1/13/10
Wells shut down 7/20/07



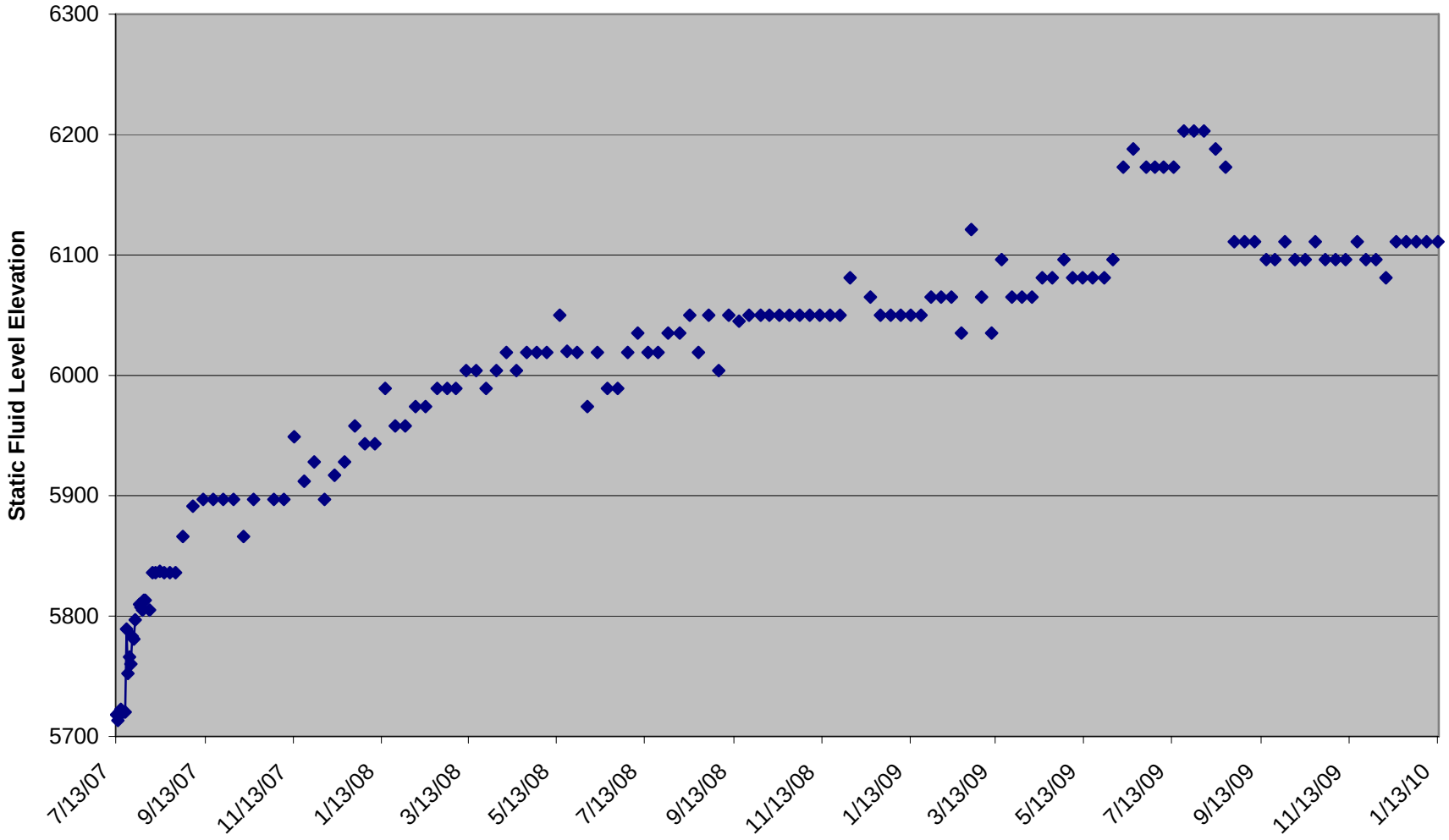
Lively 03-01
7/13/07 thru 1/13/10
Wells shut down 7/20/07



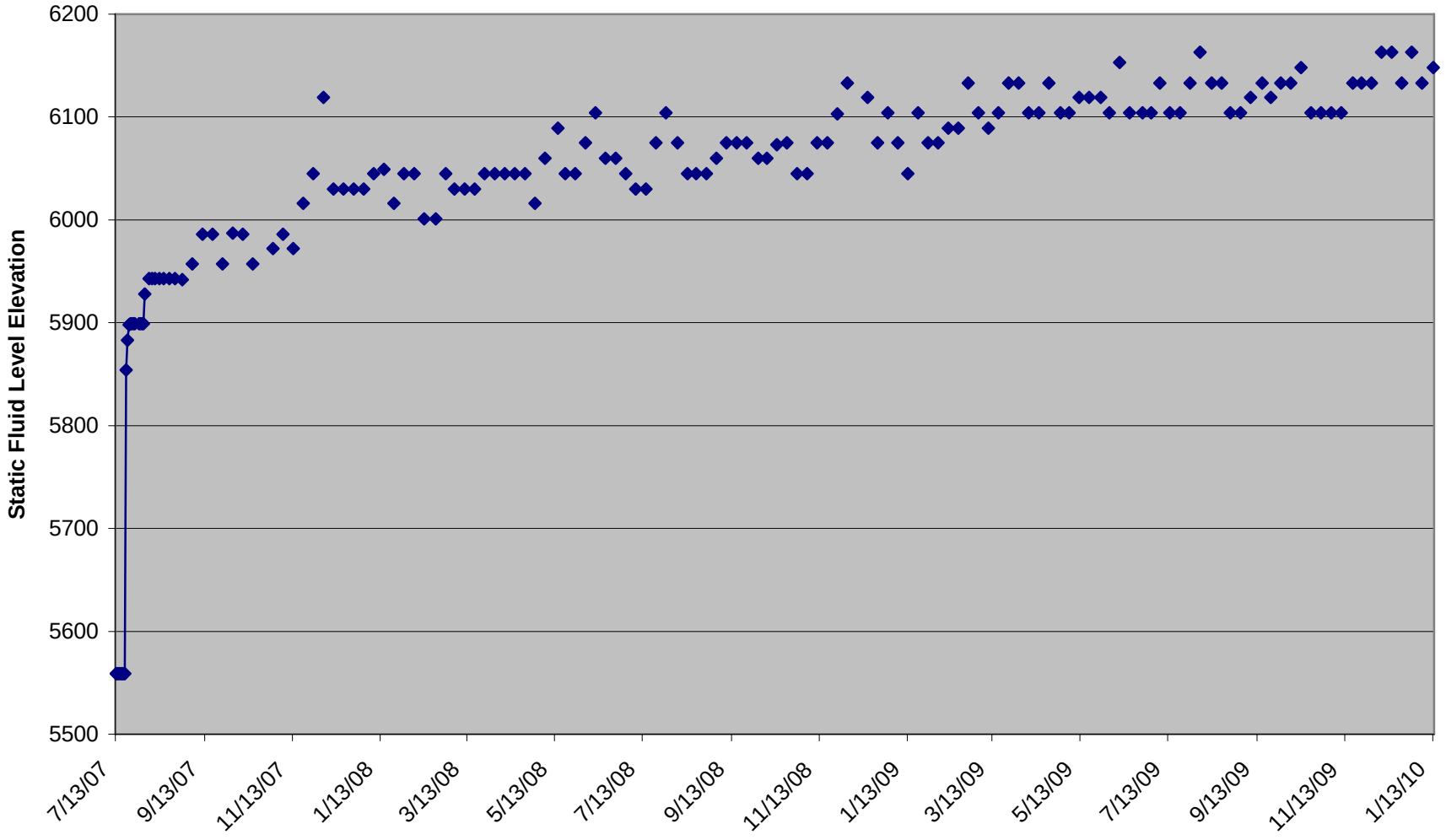
Lively 03-10
7/13/07 thru 1/13/10
Wells shut down 7/20/07



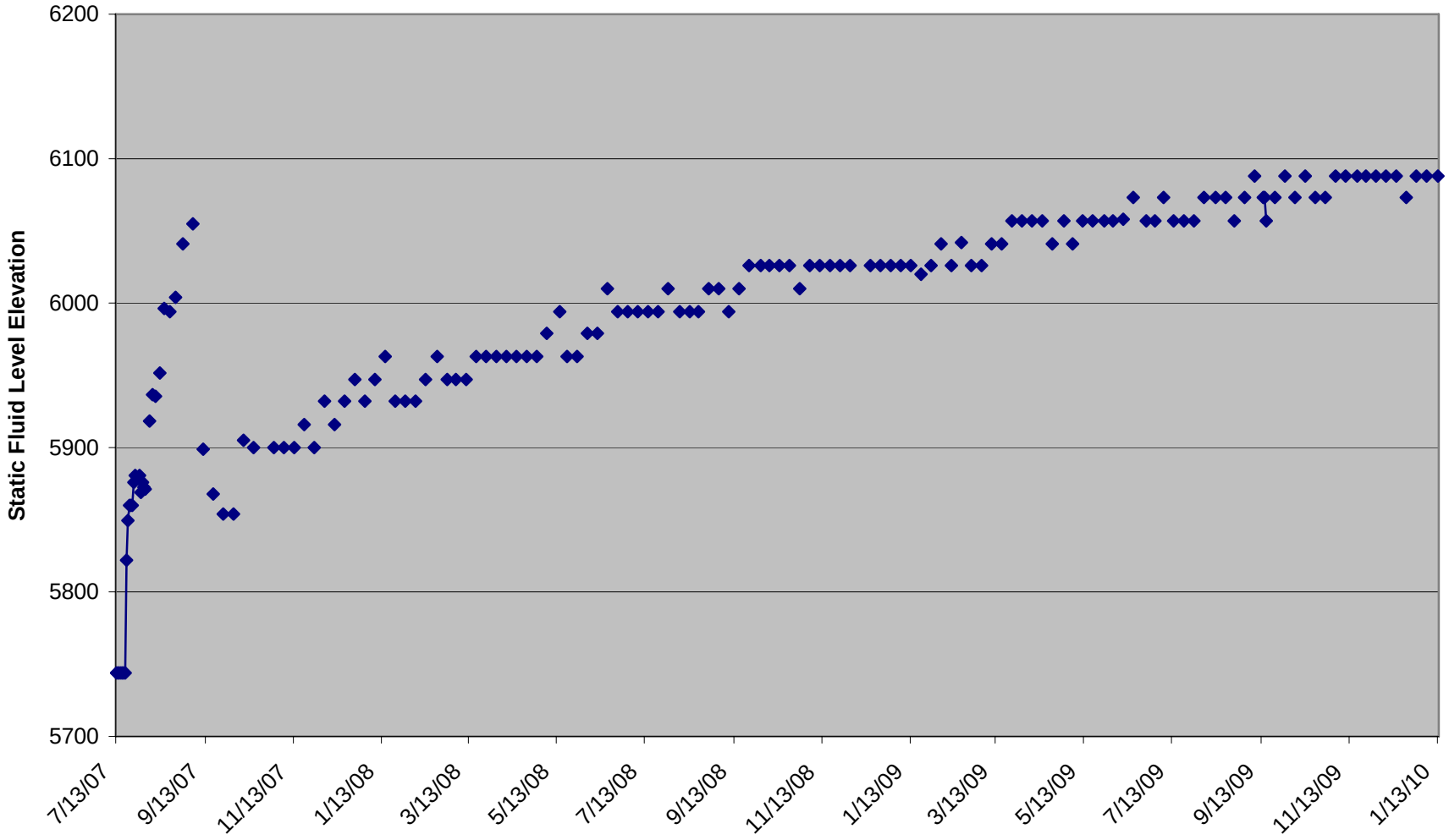
Lively 03-12
7/13/07 thru 1/13/10
Wells shut down 7/20/07



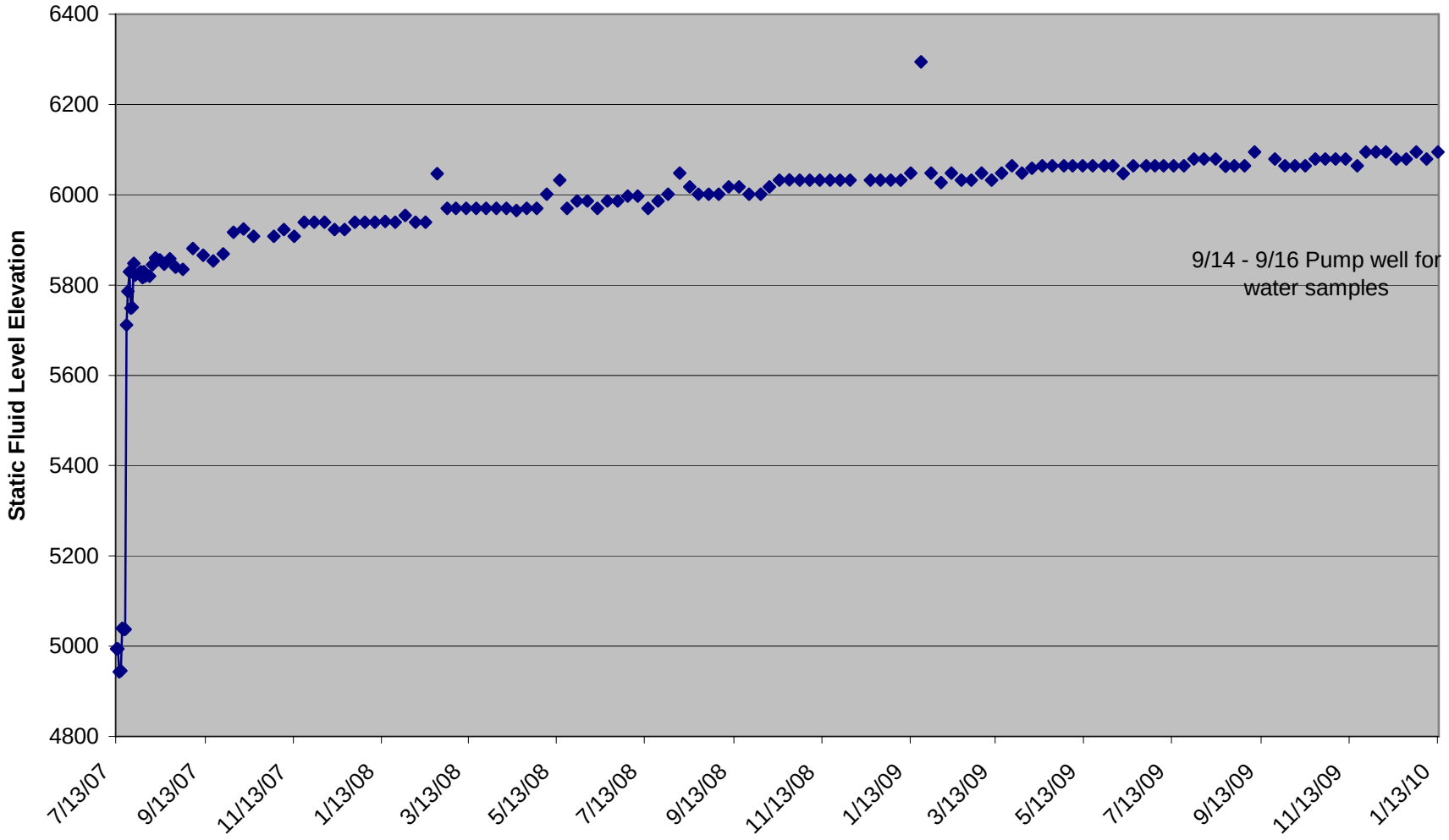
Lively 10-04
7/13/07 thru 1/13/10
Wells shut down 7/20/07



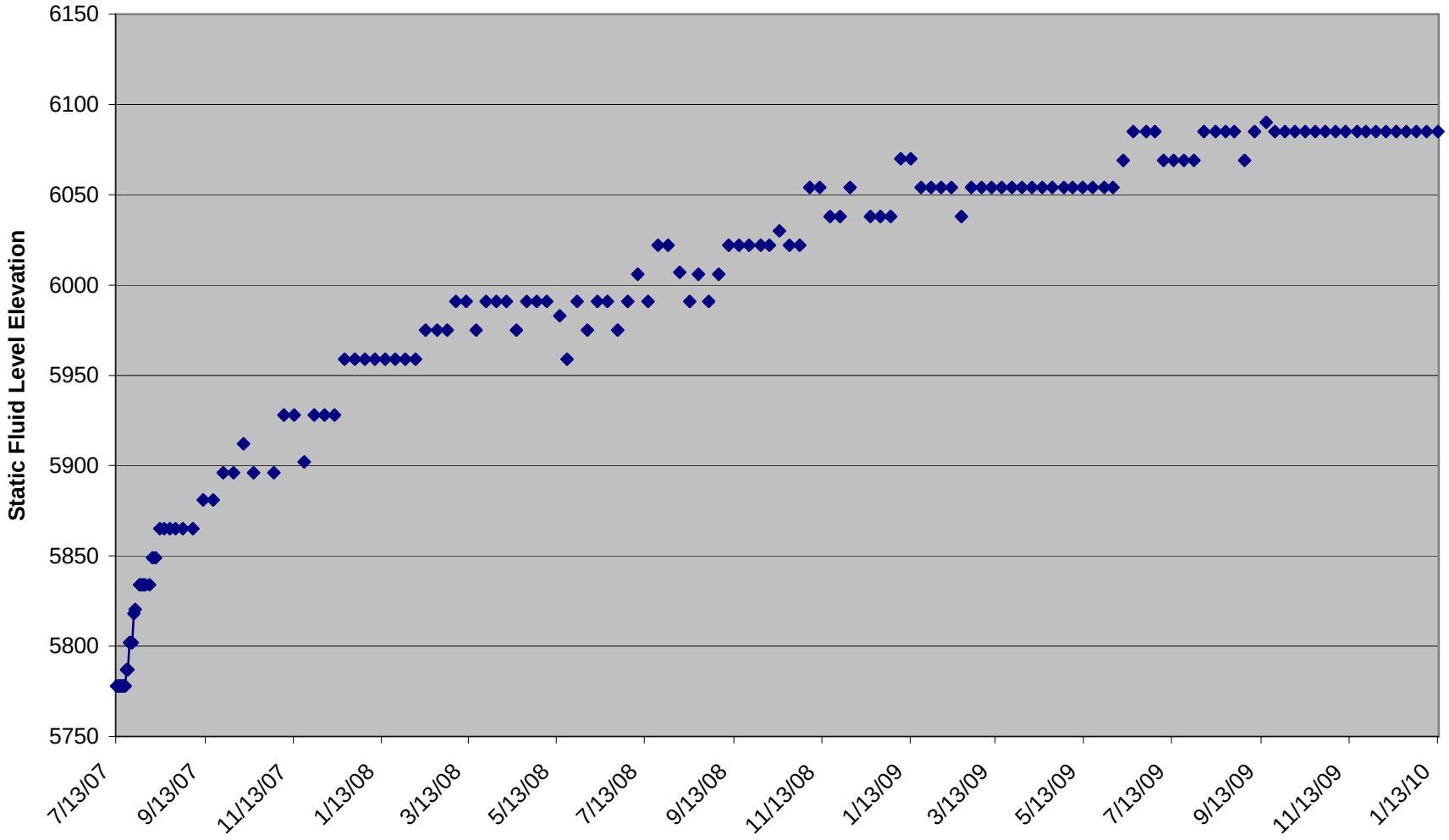
Rohr 04-10
7/13/07 thru 1/13/10
Wells shut down 7/20/07



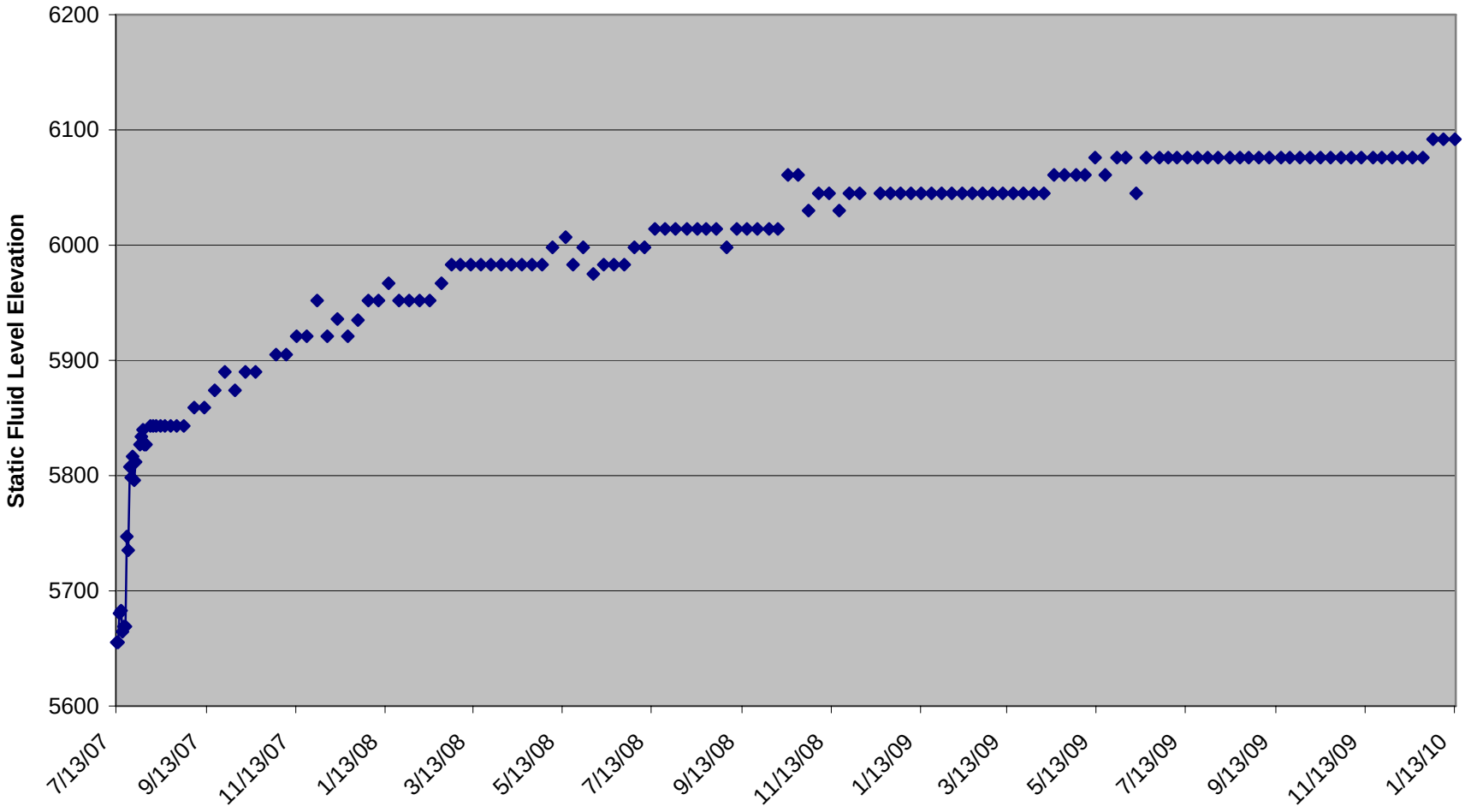
Rohr 09-10
7/13/07 thru 1/13/10
Wells shut down 7/20/07



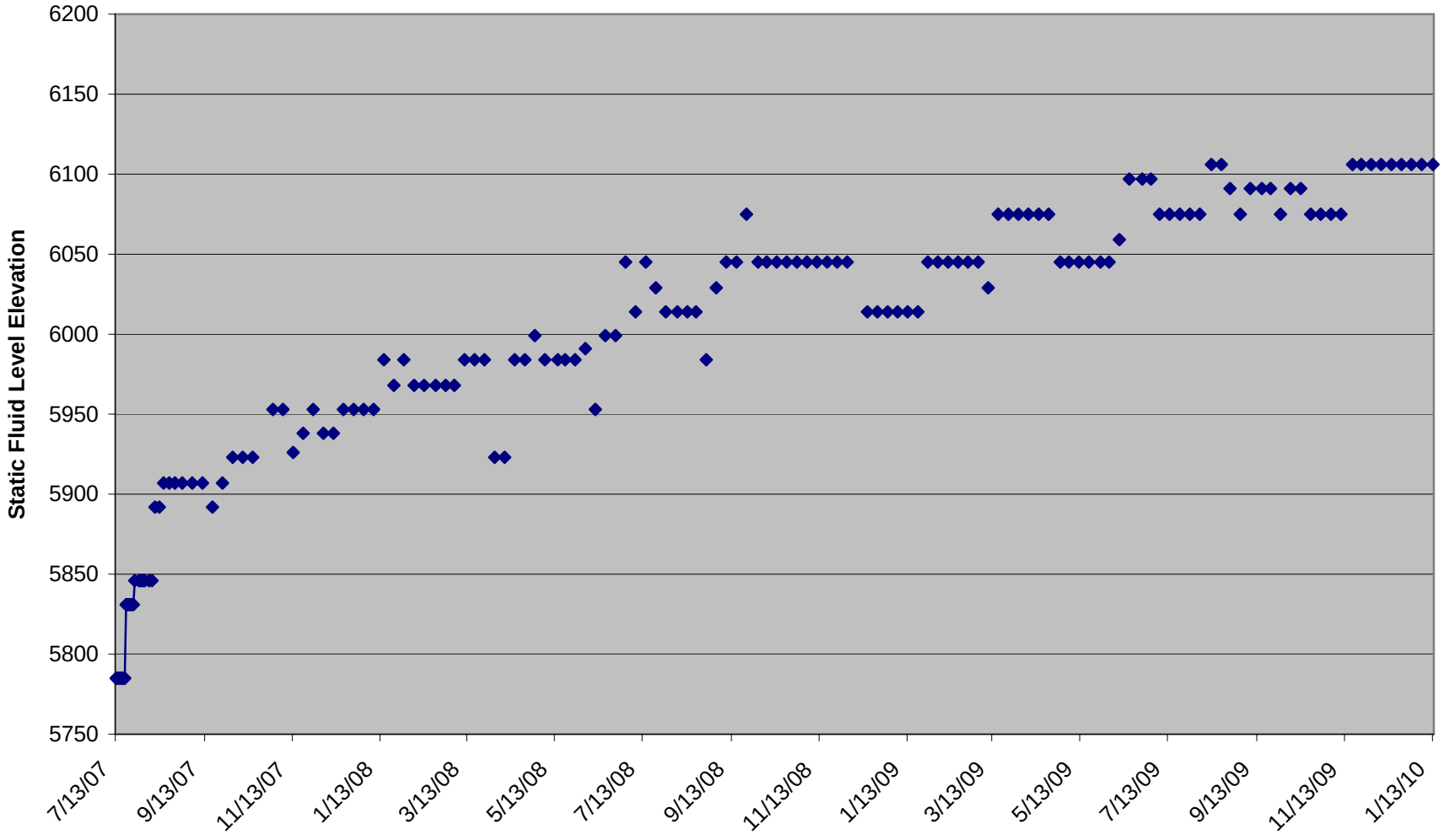
State 36-02
7/13/07 thru 1/13/10
Wells shut down 7/20/07



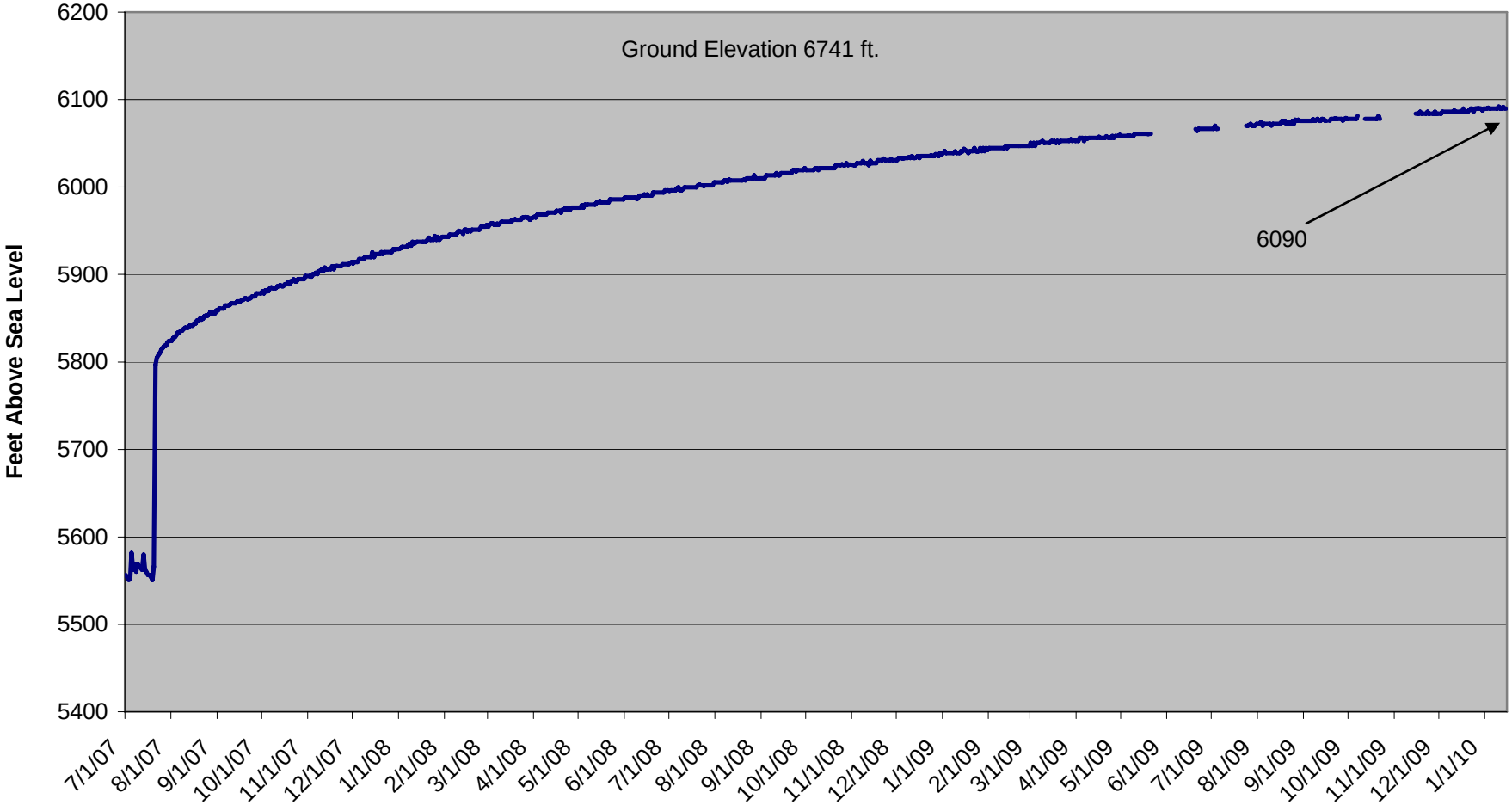
State 36-05
7/13/07 thru 1/13/10
Wells shut down 7/20/07



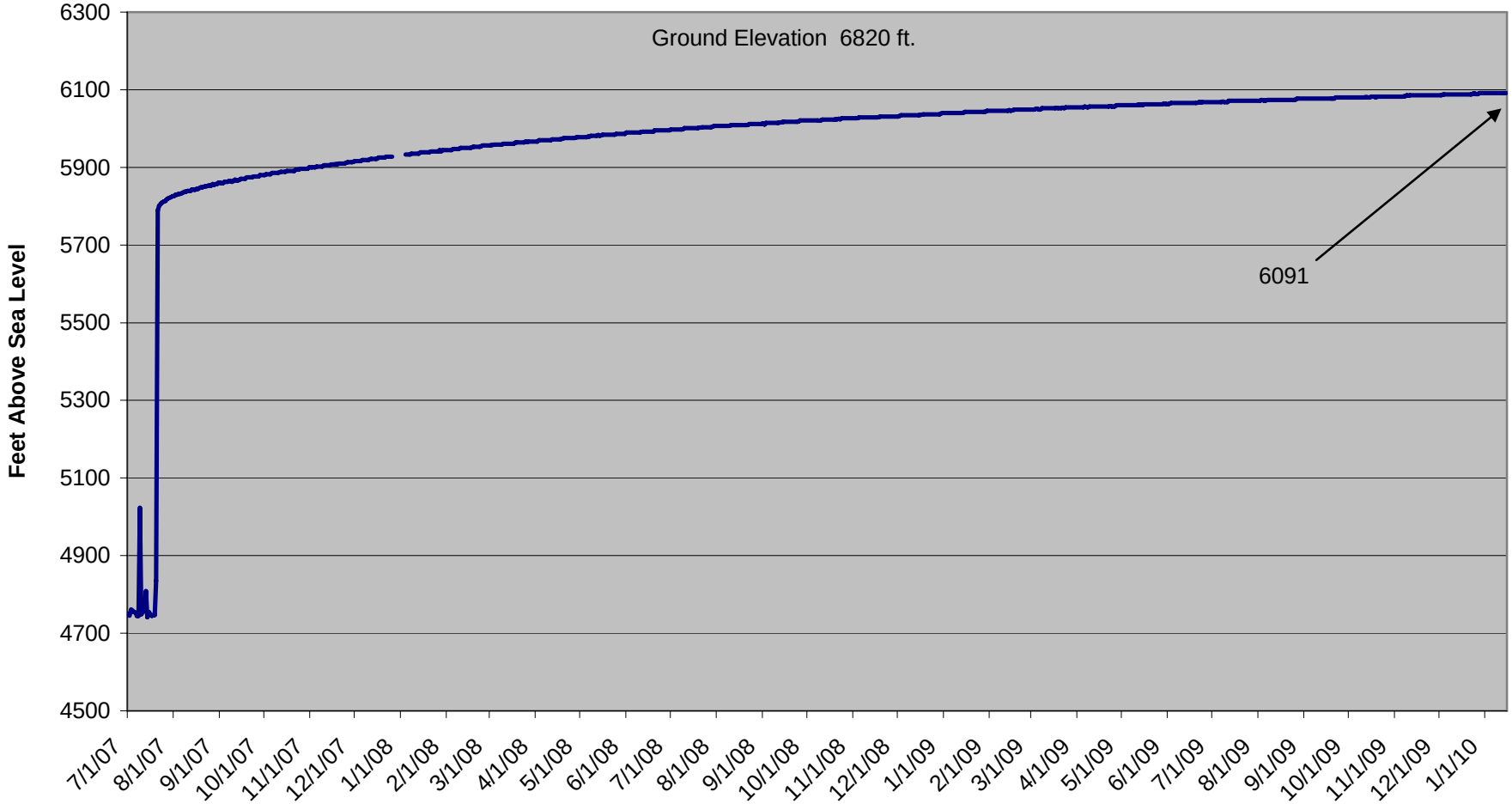
State 36-11
7/13/07 thru 1/13/10
Wells shut down 7/20/07



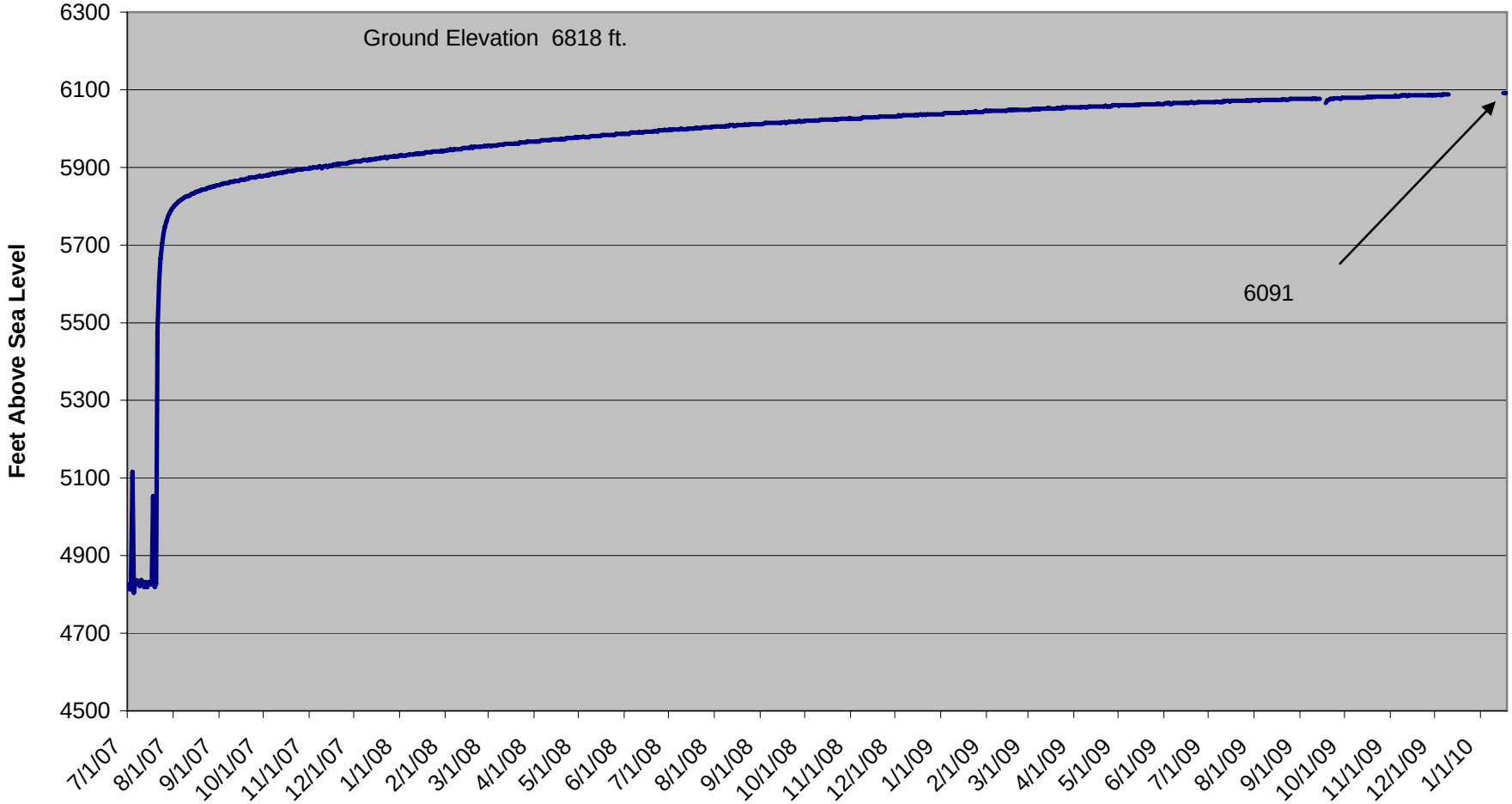
Rohr 04-14 CBM Well
Static Water Level
from 7/1/07 to 1/15/10
Well shut-in 7/20/07



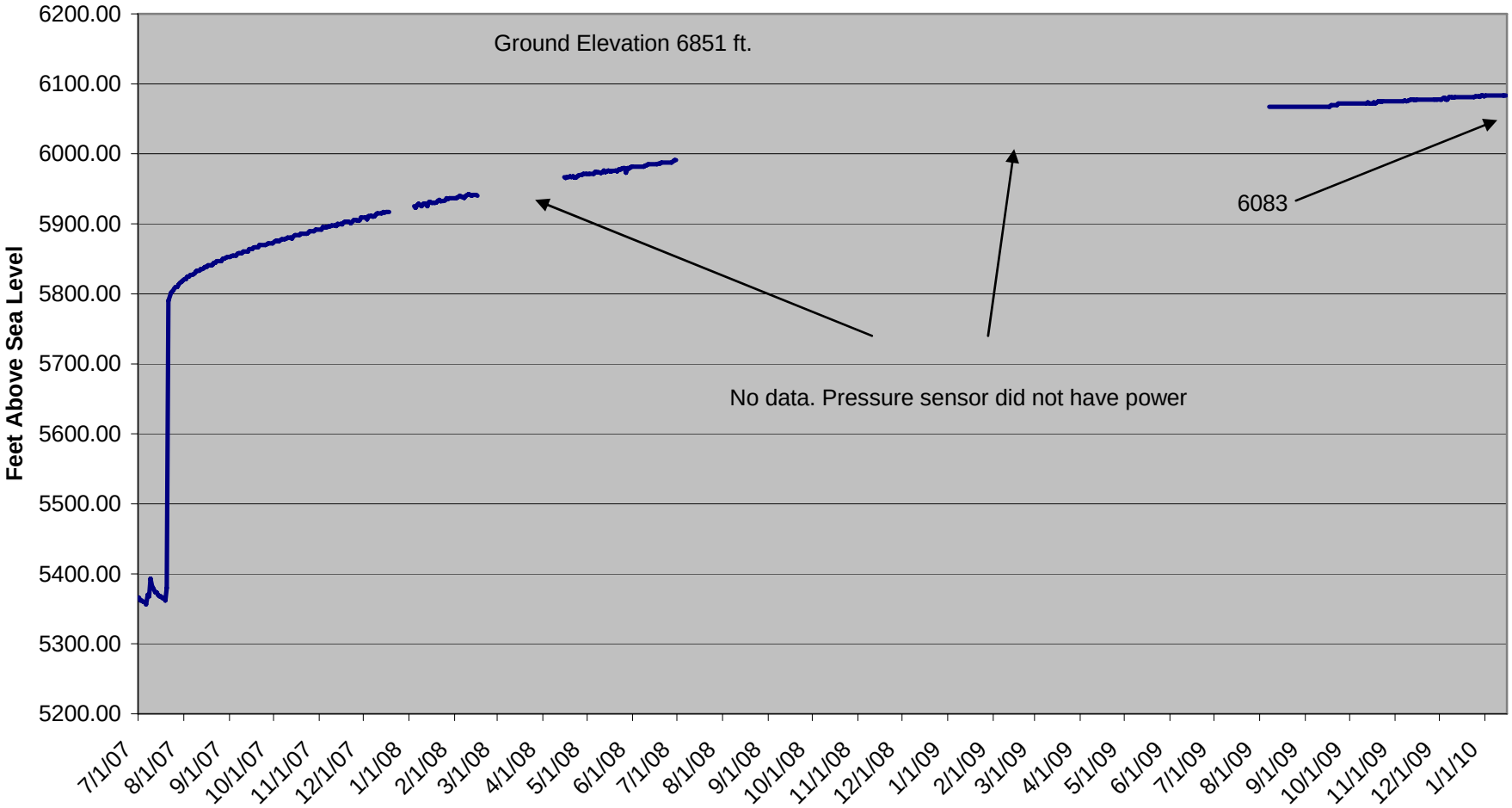
Rohr 08-01 CBM Well
Static Water Level
from 7/1/07 to 1/15/10
Well shut-in 7/20/07



Rohr 09-04 CBM Well
Static Water Level
from 7/1/07 to 1/18/10
Well shut-in 7/20/07

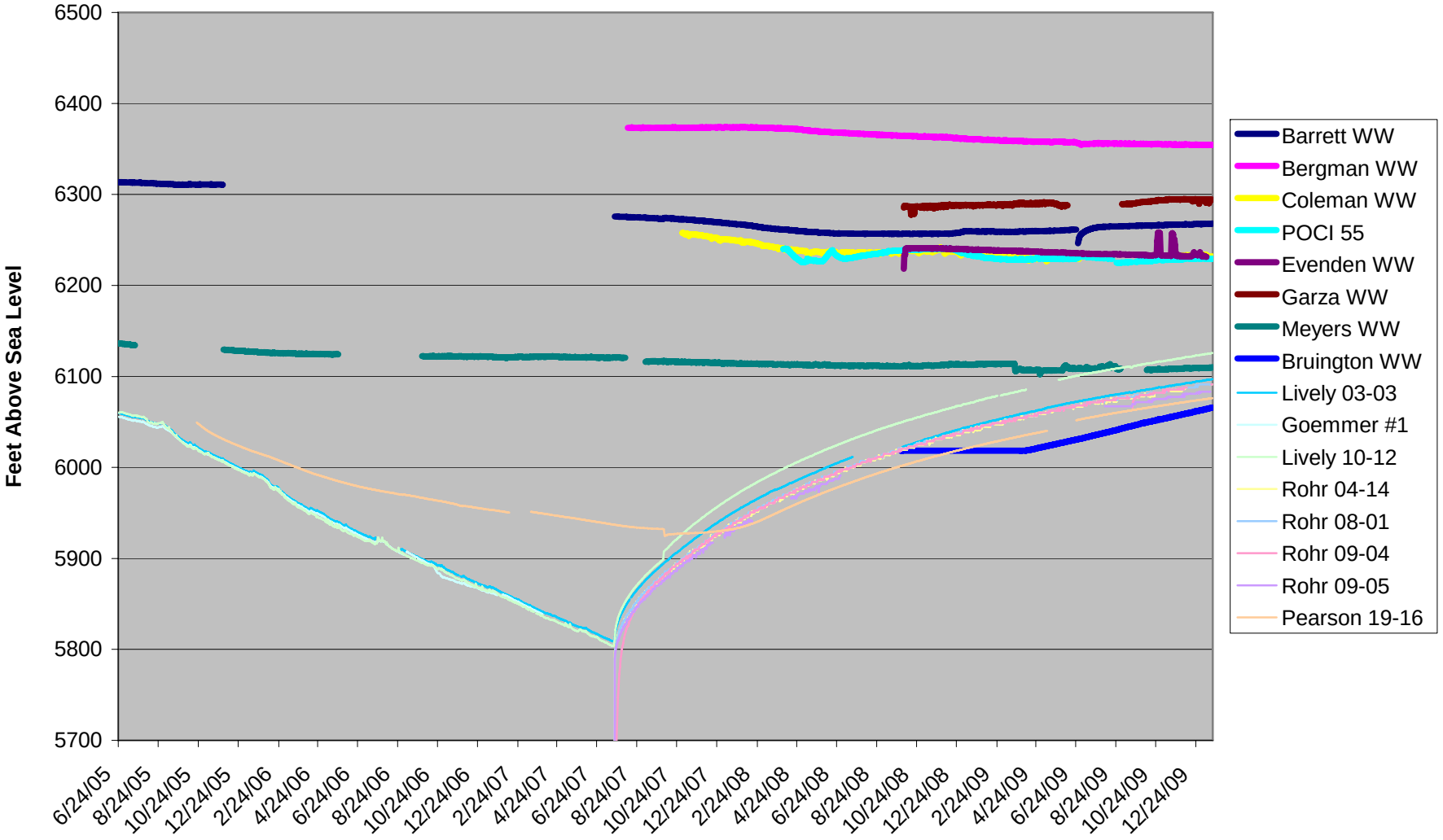


Rohr 09-05 CBM Well
Static Water Level
from 7/1/07 to 1/15/10
Well shut-in 7/20/07

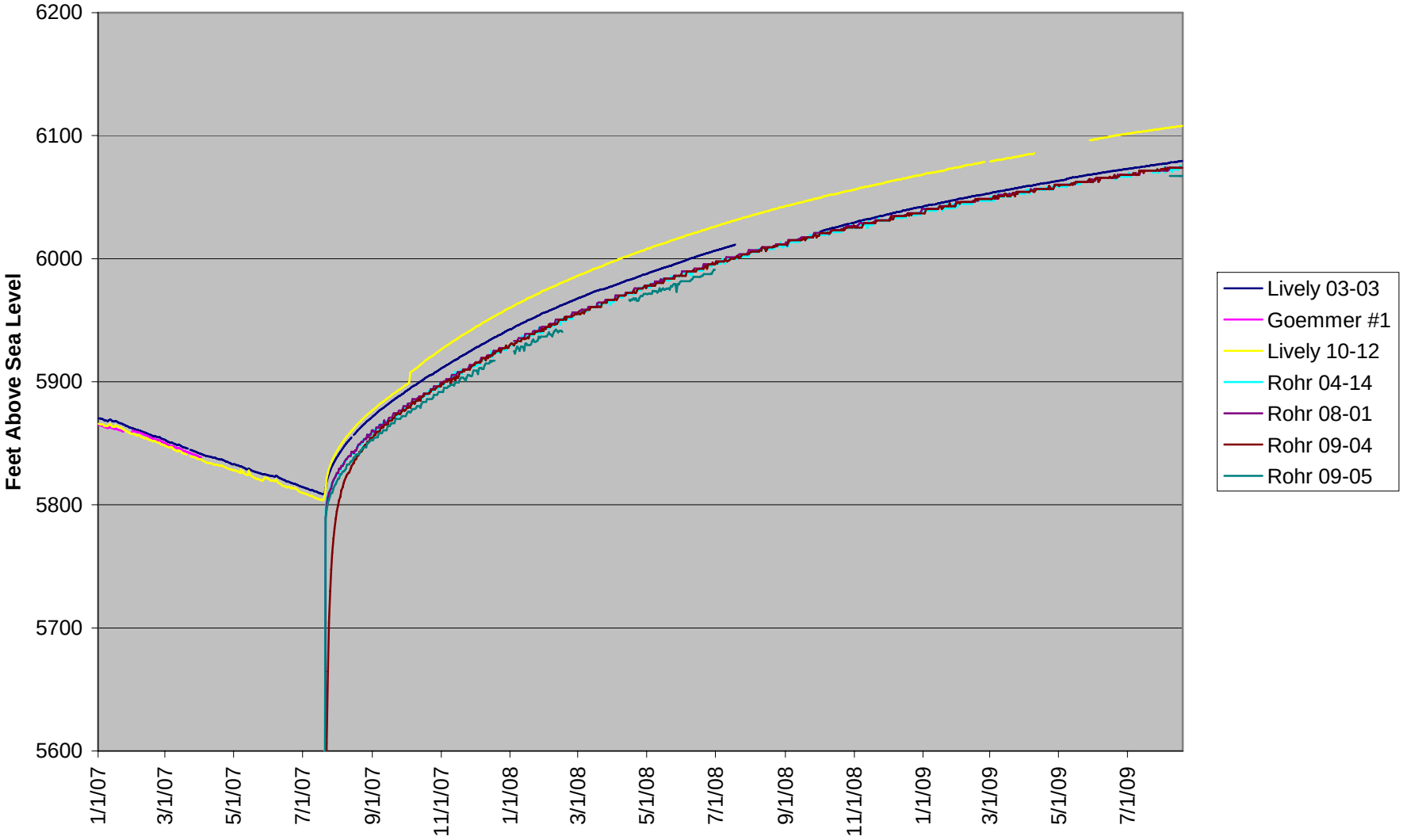


Attachment 4
Comparison of Fluid Levels in Production Wells and Private Wells

CBM and Domestic WW,
Water Levels from 6/24/05 to 1/18/10



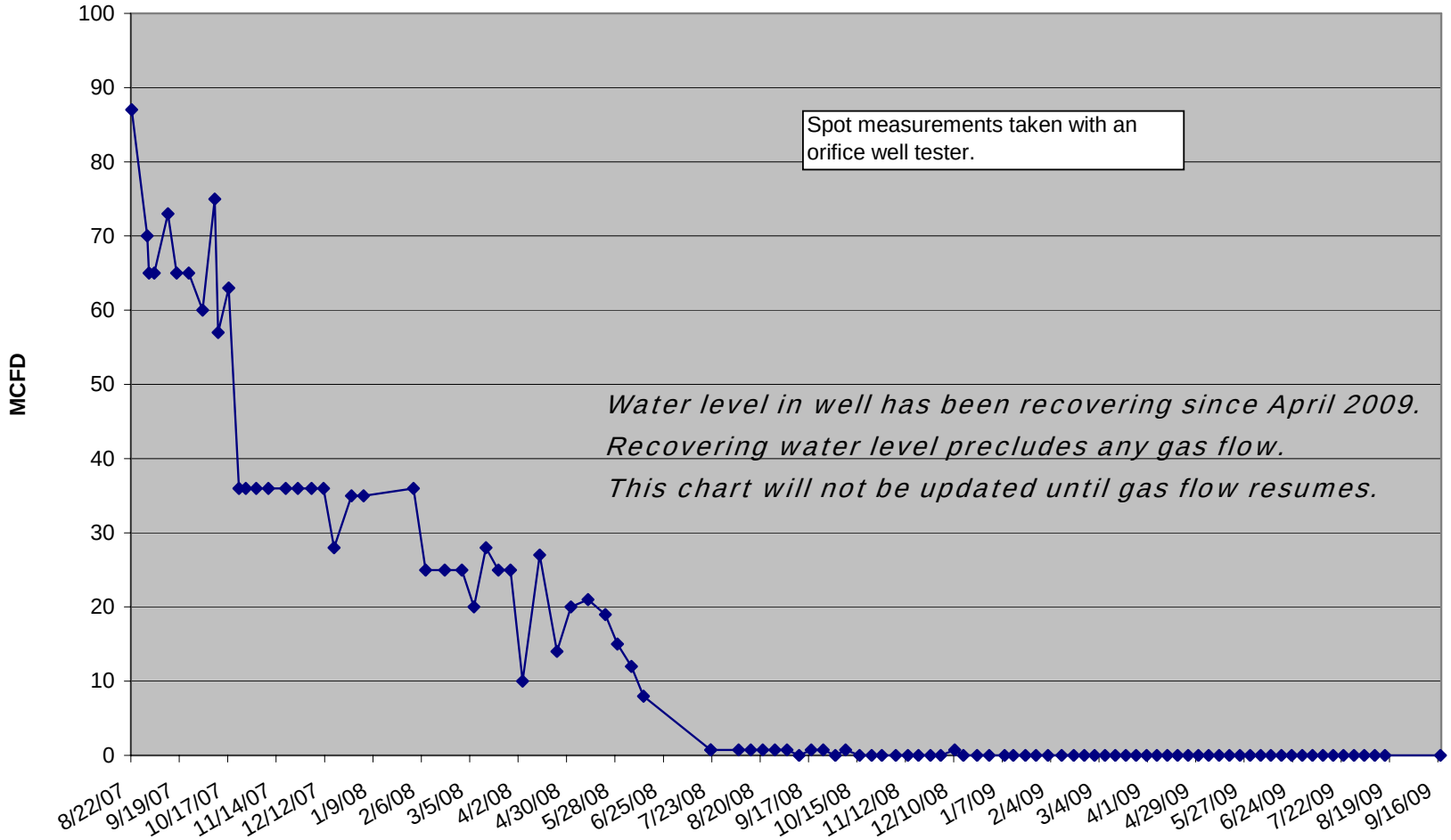
CBM Monitor Wells Water Level



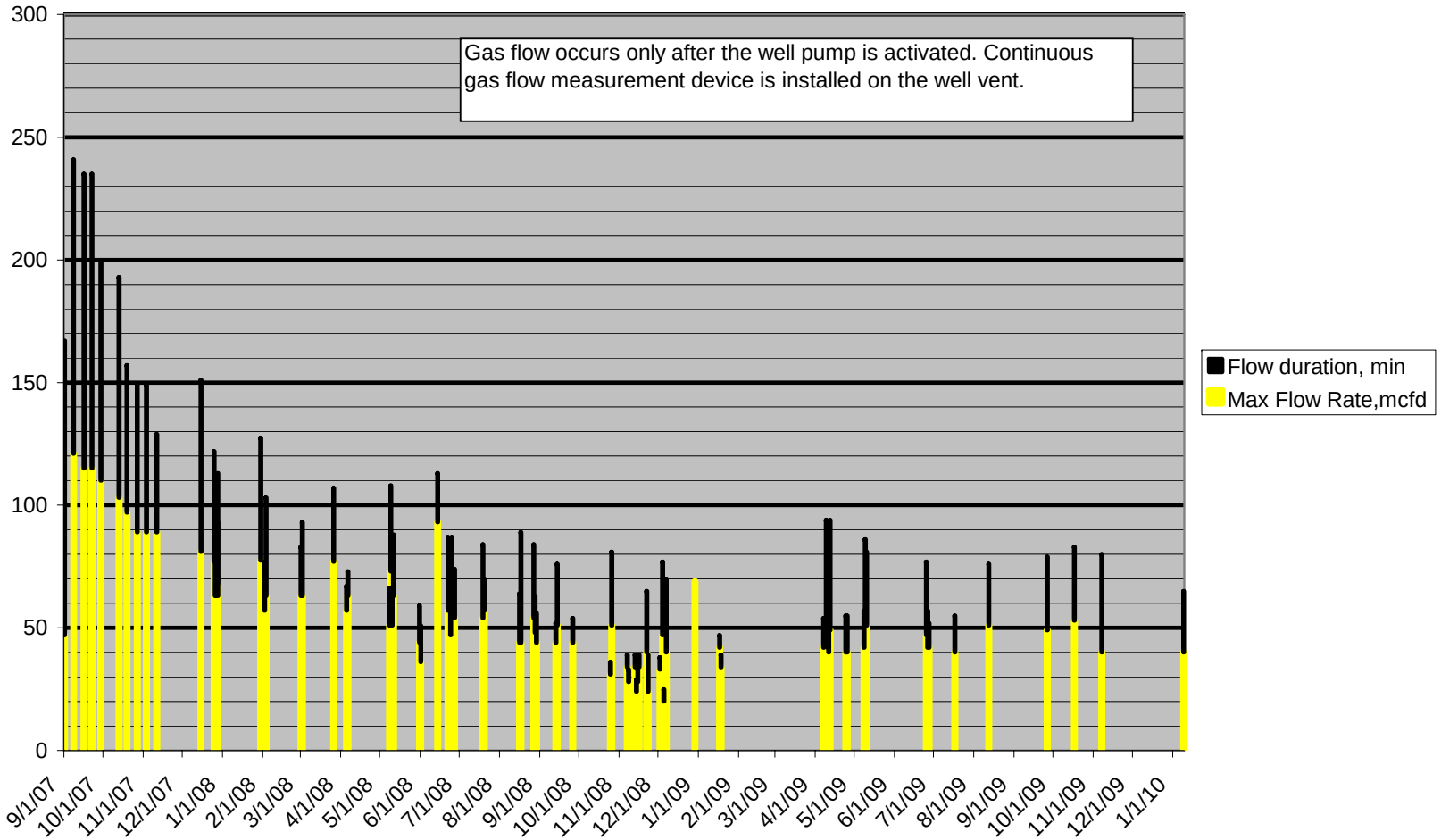
Summary of Production Well Water Levels and Private Well Water Levels						
Well Name	**Permit or API #**	**Ground Elevation (ft above mean sea level)**	**Depth of Pressure Sensor (ft)**	**Formation**	**General Location**	**Well Status**
Barrett	257994	6707	750	Poison Canyon	In mitigation ring	non-active domestic well
Bergman	244403	6690	400	Poison Canyon	In mitigation ring	non-active domestic well
Coleman	267694	6848	823	Poison Canyon	In mitigation ring	active domestic well
Meyers	248862	6575	600	Raton	Outside 1 mile radius of mitigation ring	non-active domestic well
POCI 55	275819	6690	595	Poison Canyon	In mitigation ring	monitor well
Bruington	210526	6335	320	Vermejo	City Ranch near outcrop	non-active domestic well
Evenden	221465	6712	514	Vermejo-Trinidad	Silver Spurs Ranch near outcrop	active domestic well
Garza	206886	6536	288	Trinidad	Silver Spurs Ranch near outcrop	active domestic well
Lively 03-03	222539	6647	995	Trinidad	Within 1 mile radius of mitigation ring	Exploratory O&G well converted to water well (non-active)
Lively 10-12	55-06150	6825	1480	Vermejo	In mitigation ring	CBM monitor well
Goemmer #1	16861-F	6826	995	Trinidad	In mitigation ring	Exploratory O&G well converted to water well (non-active)
Rohr 04-14	55-06291	6741	2186	Vermejo-Trinidad	Within 1 mile radius of mitigation ring	Shut-in CBM well
Rohr 08-01	55-06292	6820	2365	Vermejo-Trinidad	Within 1 mile radius of mitigation ring	Shut-in CBM well
Rohr 09-04	55-06290	6818	2273	Vermejo-Trinidad	Within 1 mile radius of mitigation ring	Shut-in CBM well
Rohr 09-05	55-06289	6851	2285	Vermejo-Trinidad	Within 1 mile radius of mitigation ring	Shut-in CBM well
Pearson 19-16	55-06293	6557	1000	Vermejo	Outside 1 mile radius of mitigation ring	CBM monitor well

Attachment 5
Gas Flow Measurements at Bruington, Coleman, Angely, Bounds, and Smith

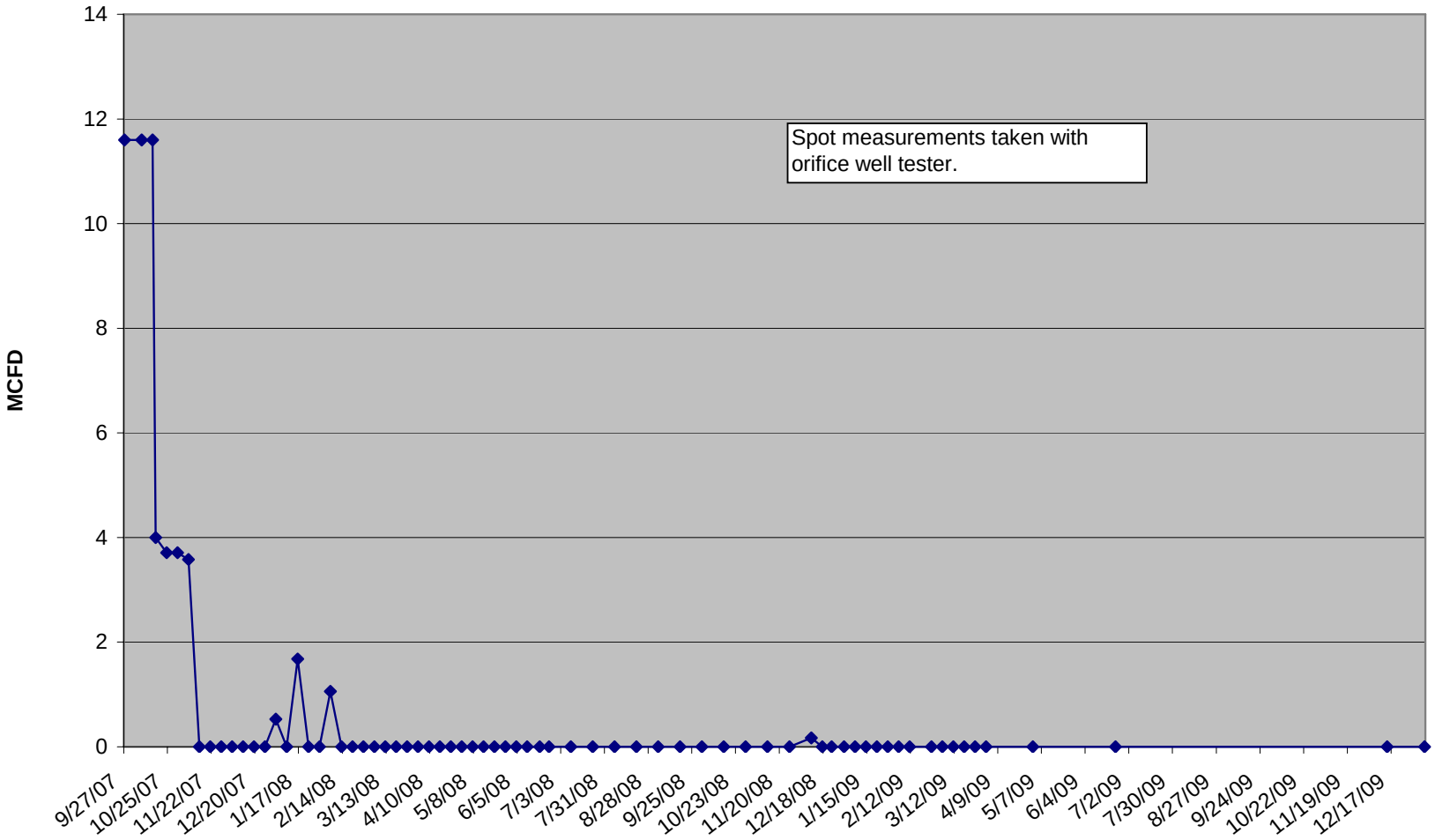
Bruington WW # 210526 Measured Gas Flow
from 8/22/07 to 9/17/09



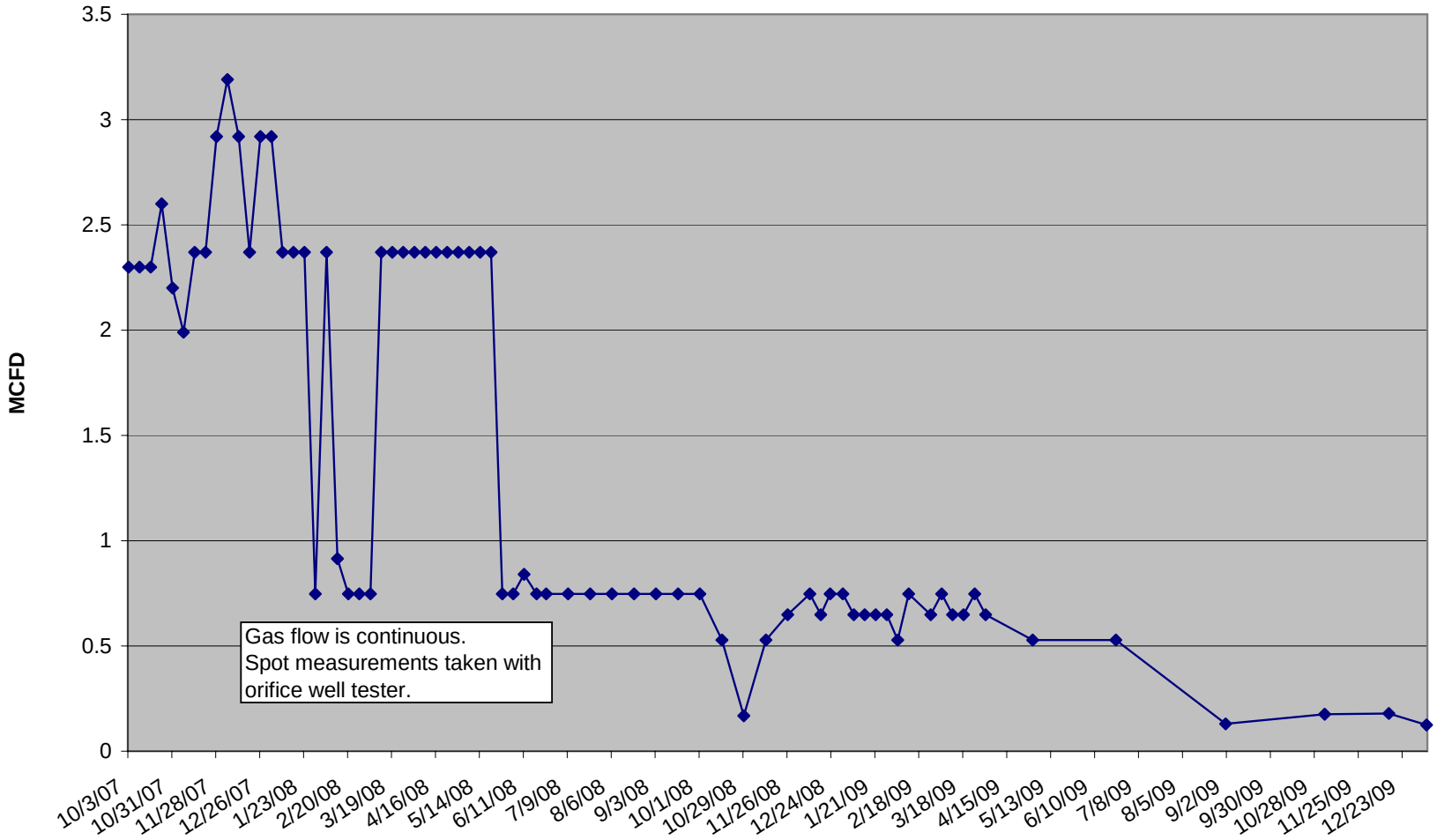
Coleman WW #267294 Measured Gas Flow
from 9/1/07 to 1/9/10



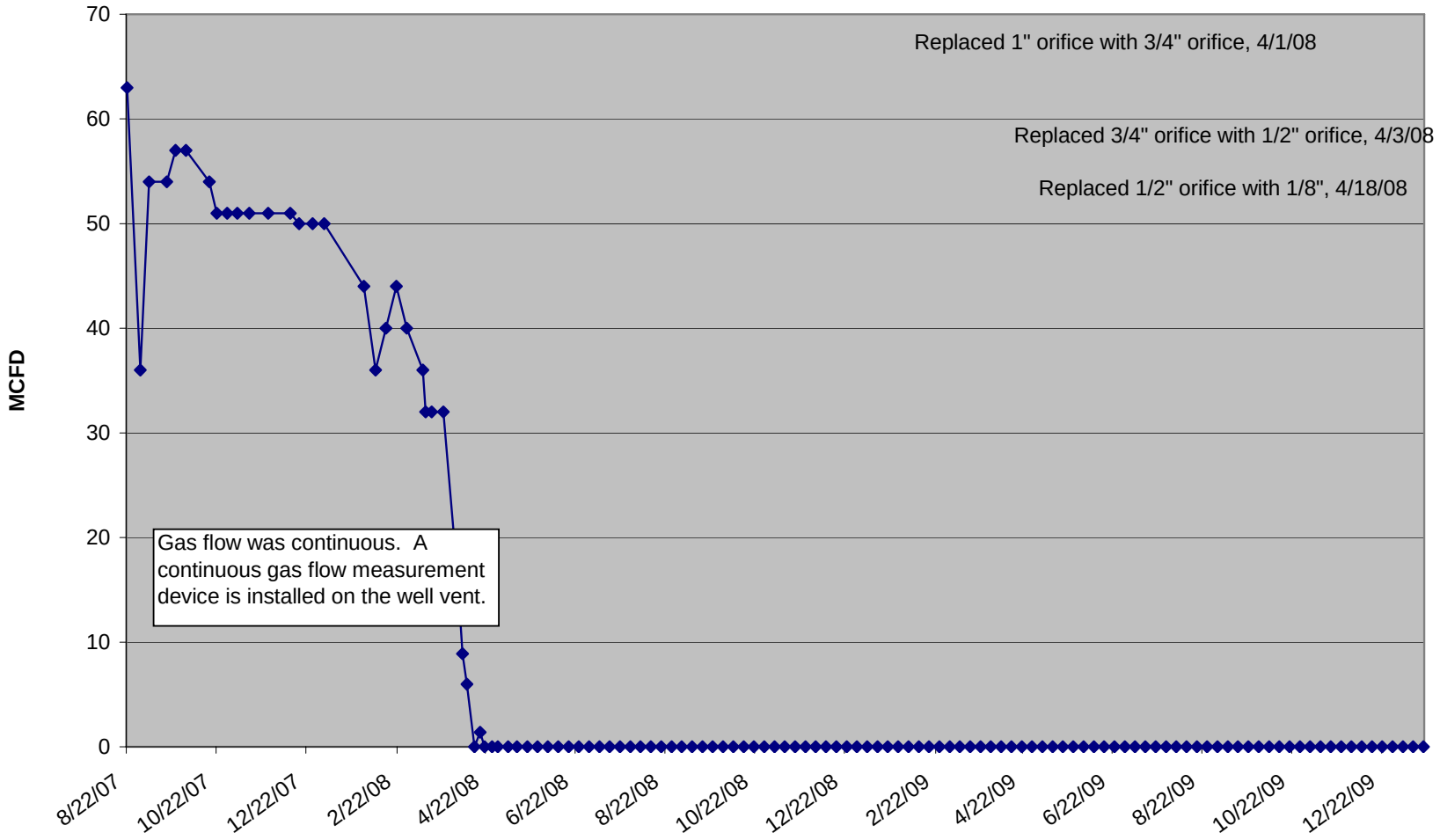
**Angely WW # 238689 Measured Gas Flow
from 9/27/07 to 1/7/10**



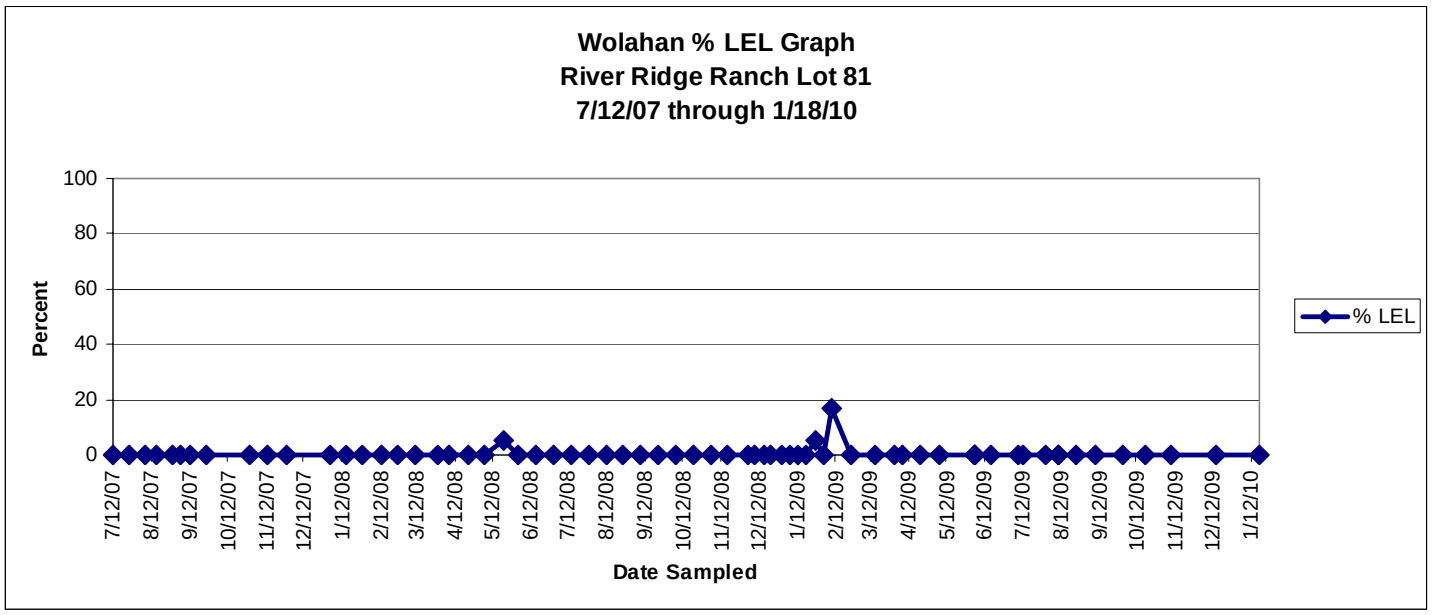
Bounds WW #181278 Measured Gas Flow
from 10/3/07 to 1/7/10

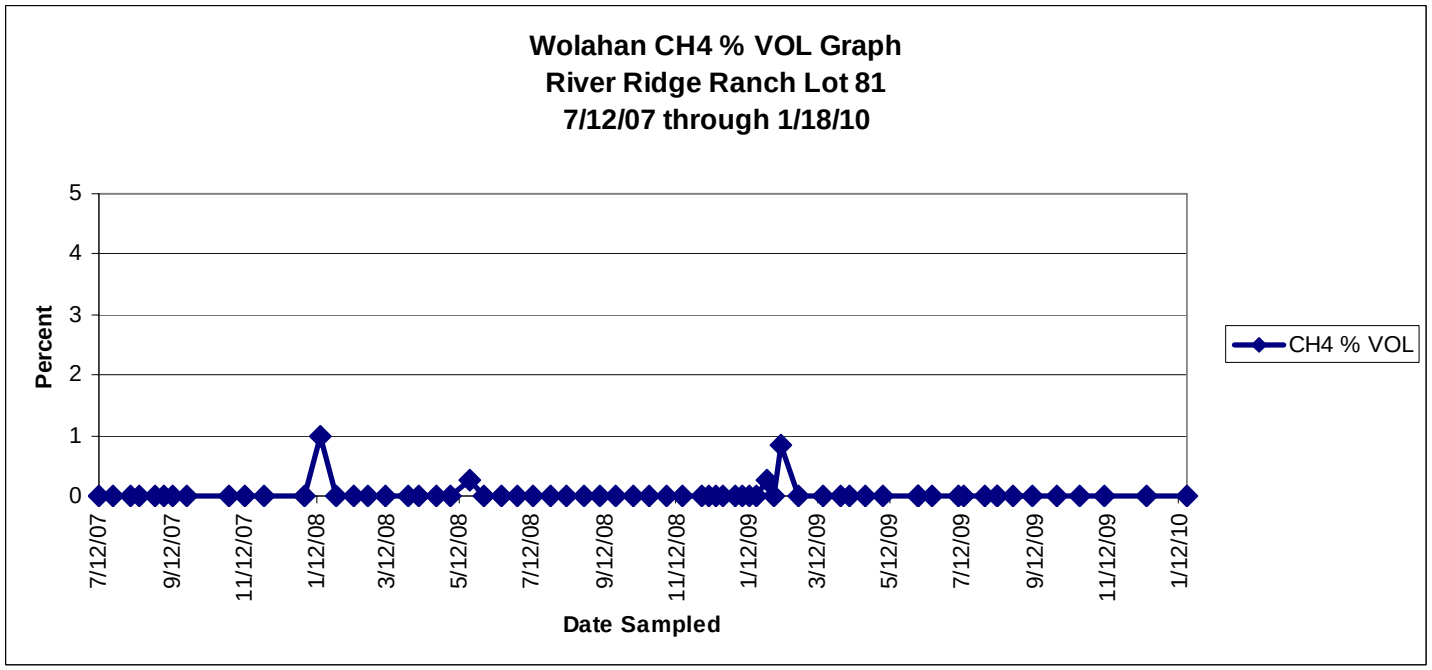


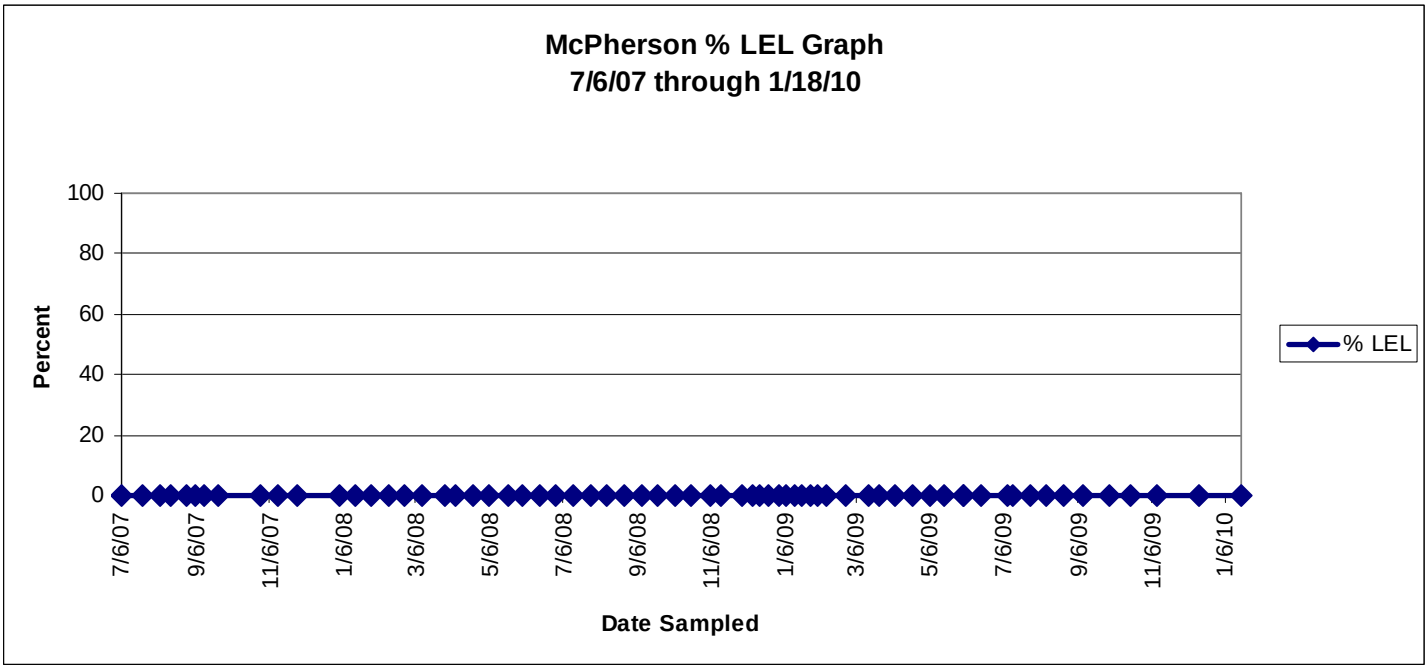
**Smith WW # 239657 Measured Gas Flow
from 8/22/07 to 1/19/10**

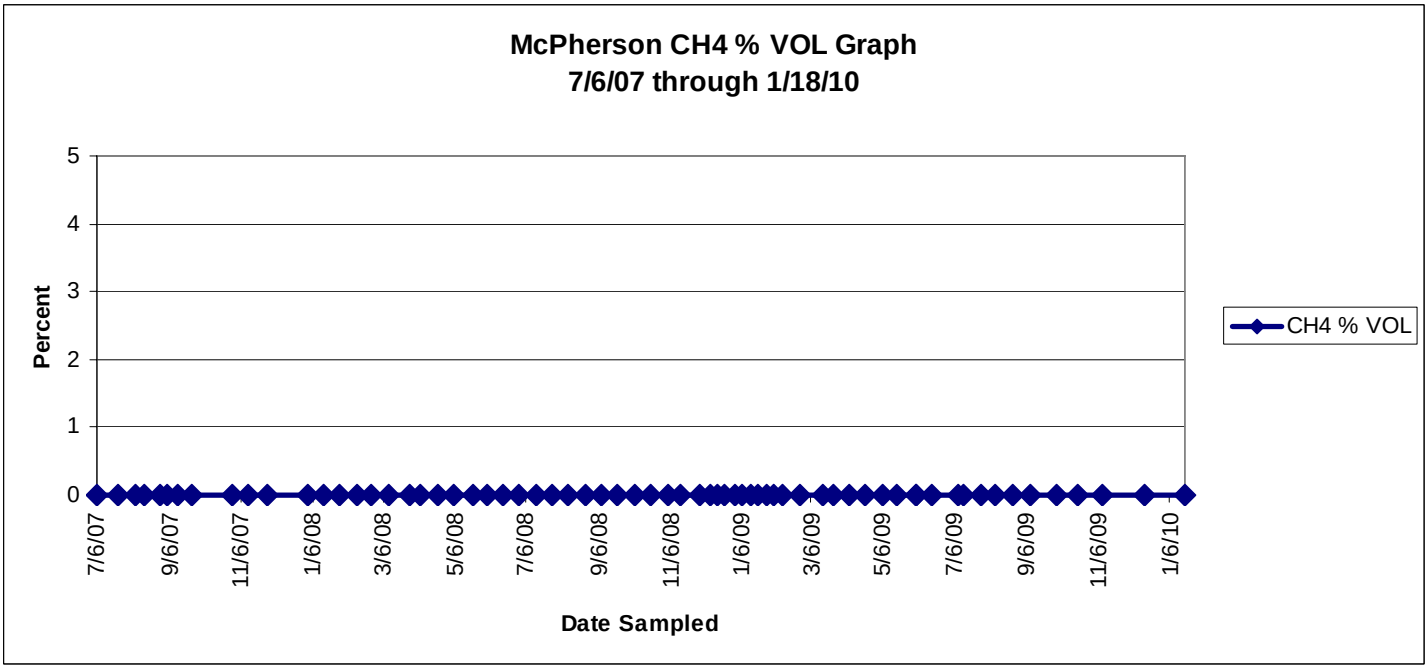


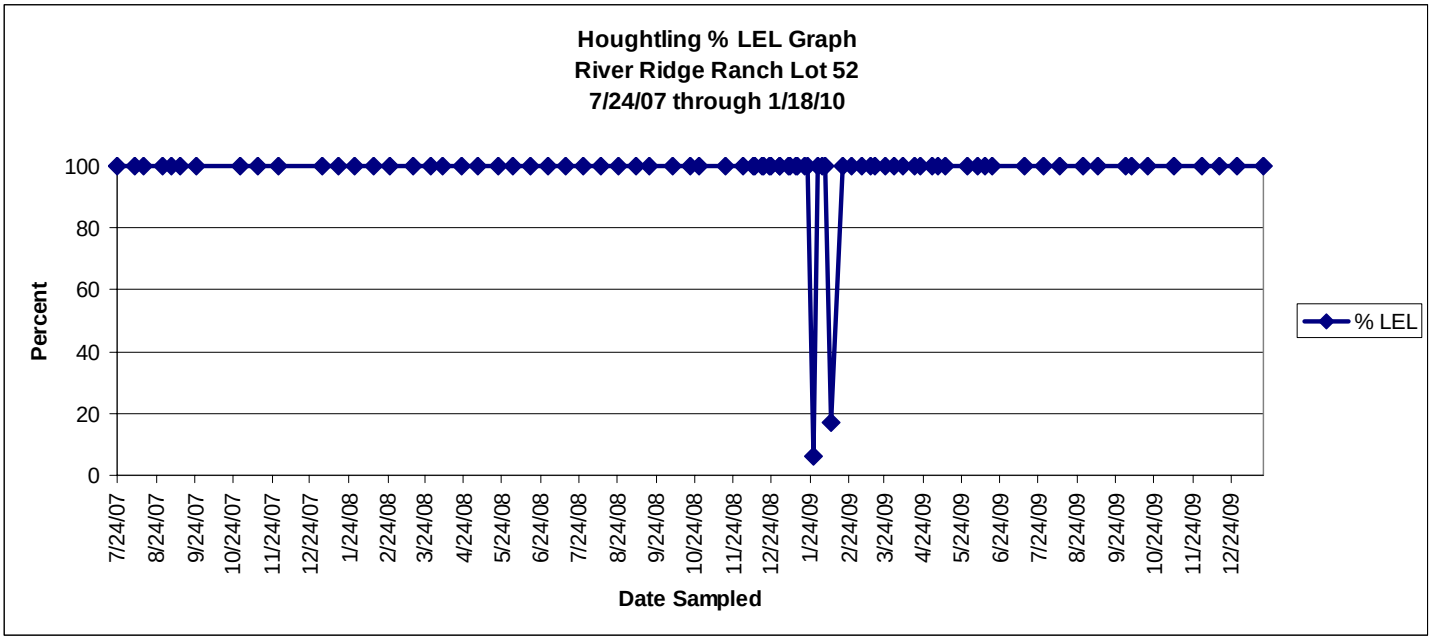
Attachment 6
Gas Concentrations in
Private Water Wells near the Mitigation Project

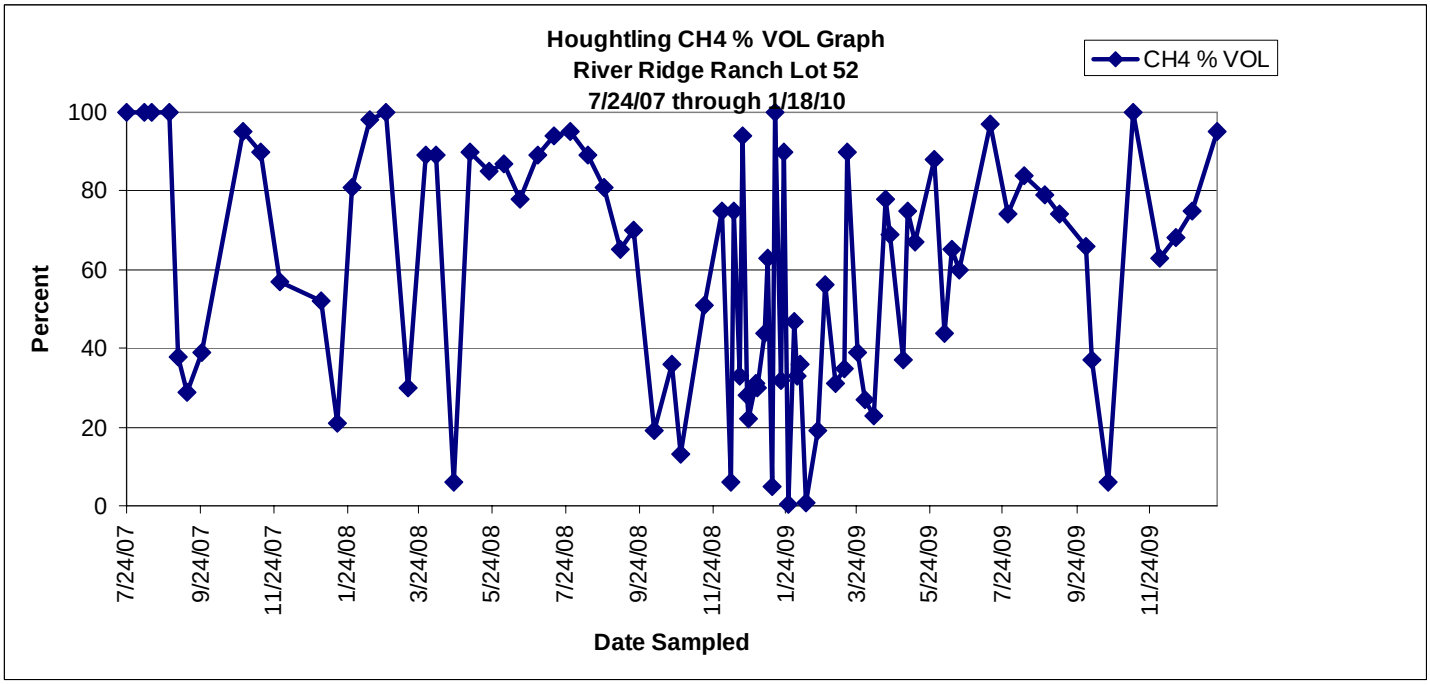

Wolahan % LEL Graph
River Ridge Ranch Lot 81
7/12/07 through 1/18/10
Percent
100
80
60
40
20
0
7/12/07
8/12/07
9/12/07
10/12/07
11/12/07
12/12/07
1/12/08
2/12/08
3/12/08
4/12/08
5/12/08
6/12/08
7/12/08
8/12/08
9/12/08
10/12/08
11/12/08
12/12/08
1/12/09
2/12/09
3/12/09
4/12/09
5/12/09
6/12/09
7/12/09
8/12/09
9/12/09
10/12/09
11/12/09
12/12/09
1/12/10
Date Sampled
% LEL

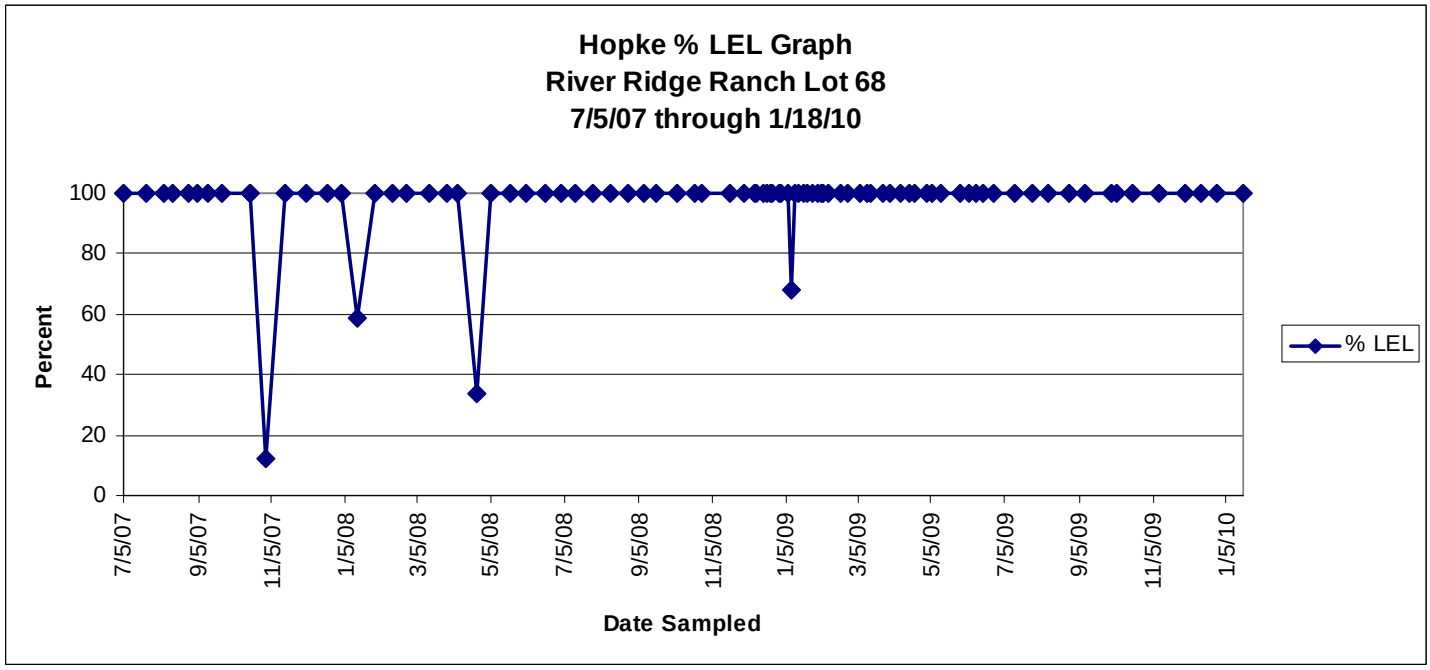

Wolahan CH4 % VOL Graph
River Ridge Ranch Lot 81
7/12/07 through 1/18/10
Percent
5
4
3
2
1
0
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
Date Sampled
CH4 % VOL

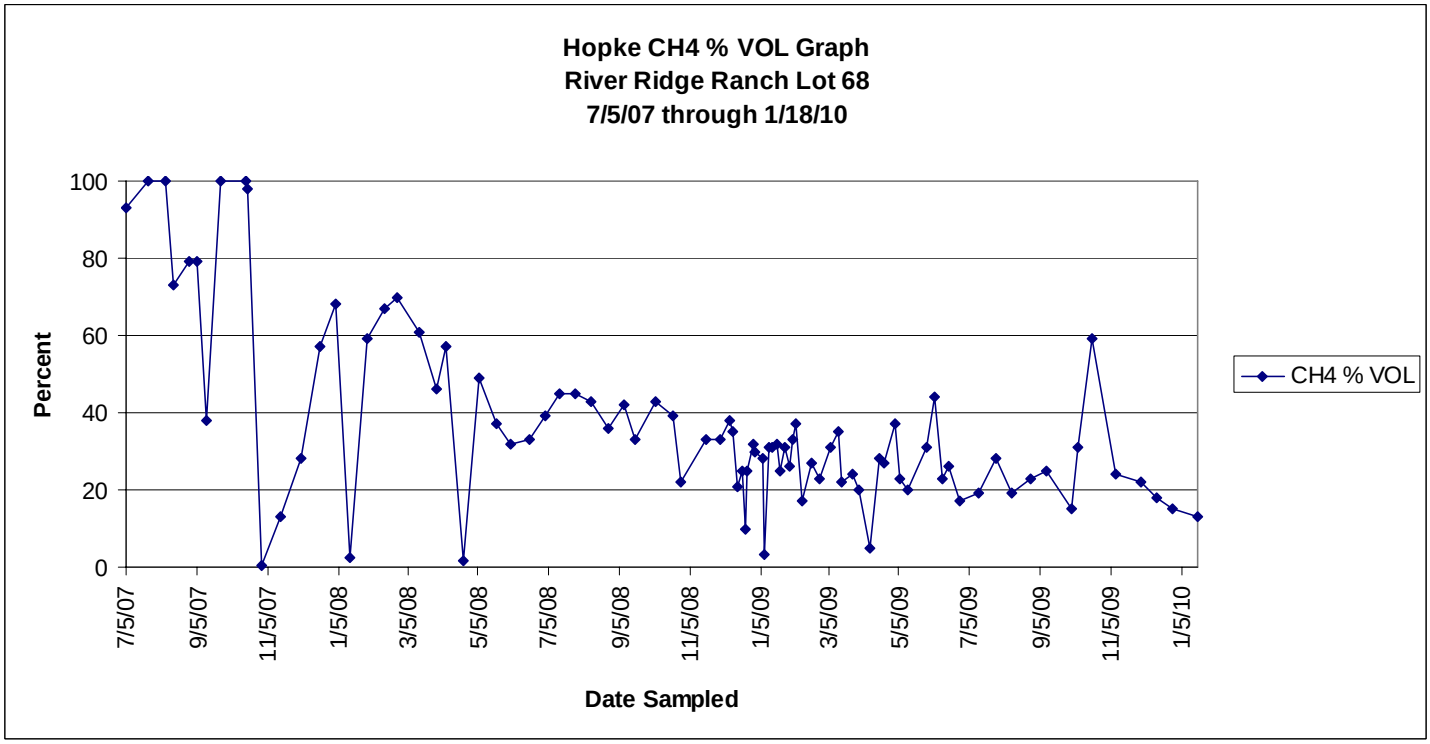

McPherson % LEL Graph
7/6/07 through 1/18/10
Percent
100
80
60
40
20
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
1/6/10
Date Sampled
% LEL

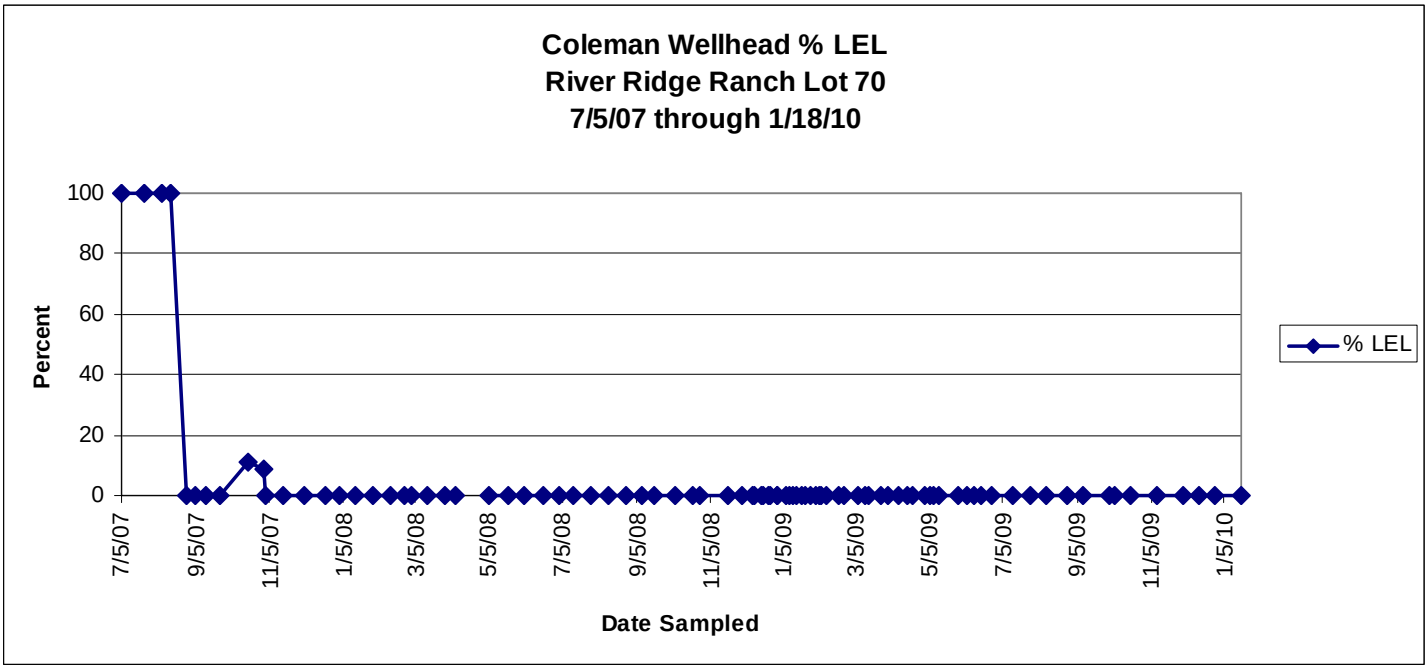

McPherson CH4 % VOL Graph
7/6/07 through 1/18/10
Percent
5
4
3
2
1
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
1/6/10
Date Sampled
CH4 % VOL

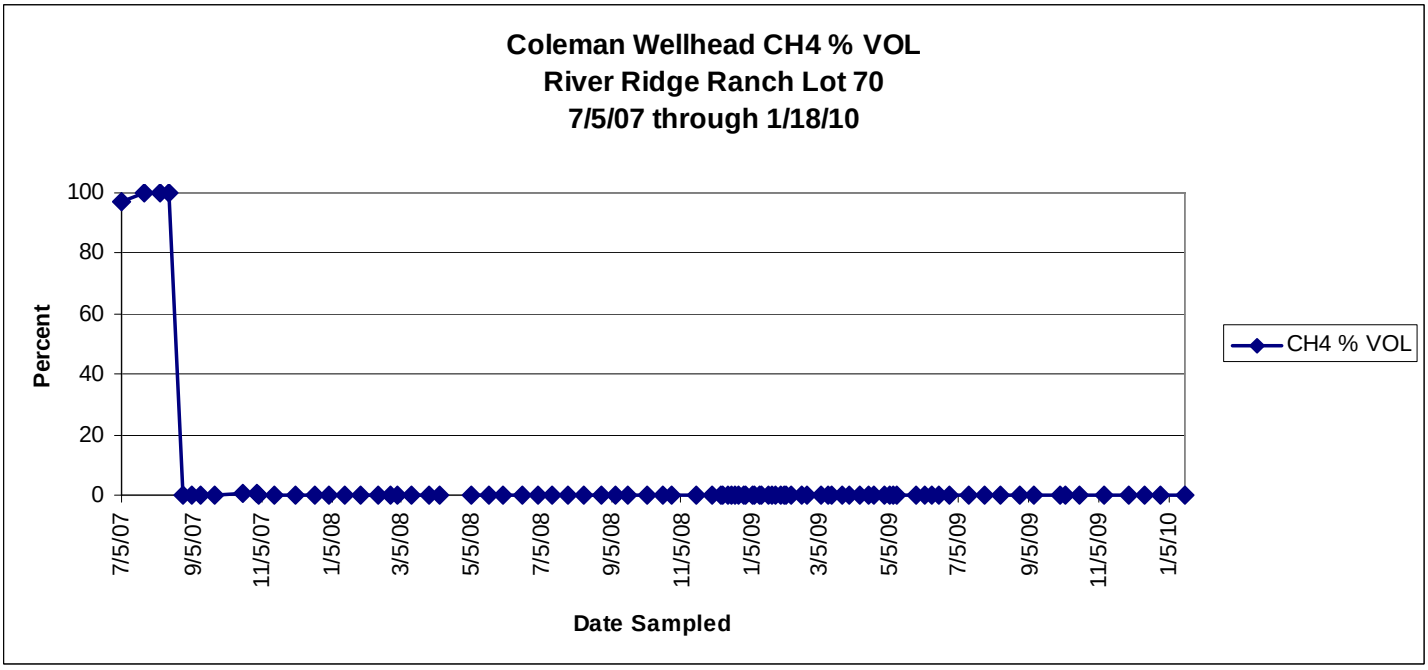

Houghtling % LEL Graph
River Ridge Ranch Lot 52
7/24/07 through 1/18/10
Percent
Date Sampled
% LEL

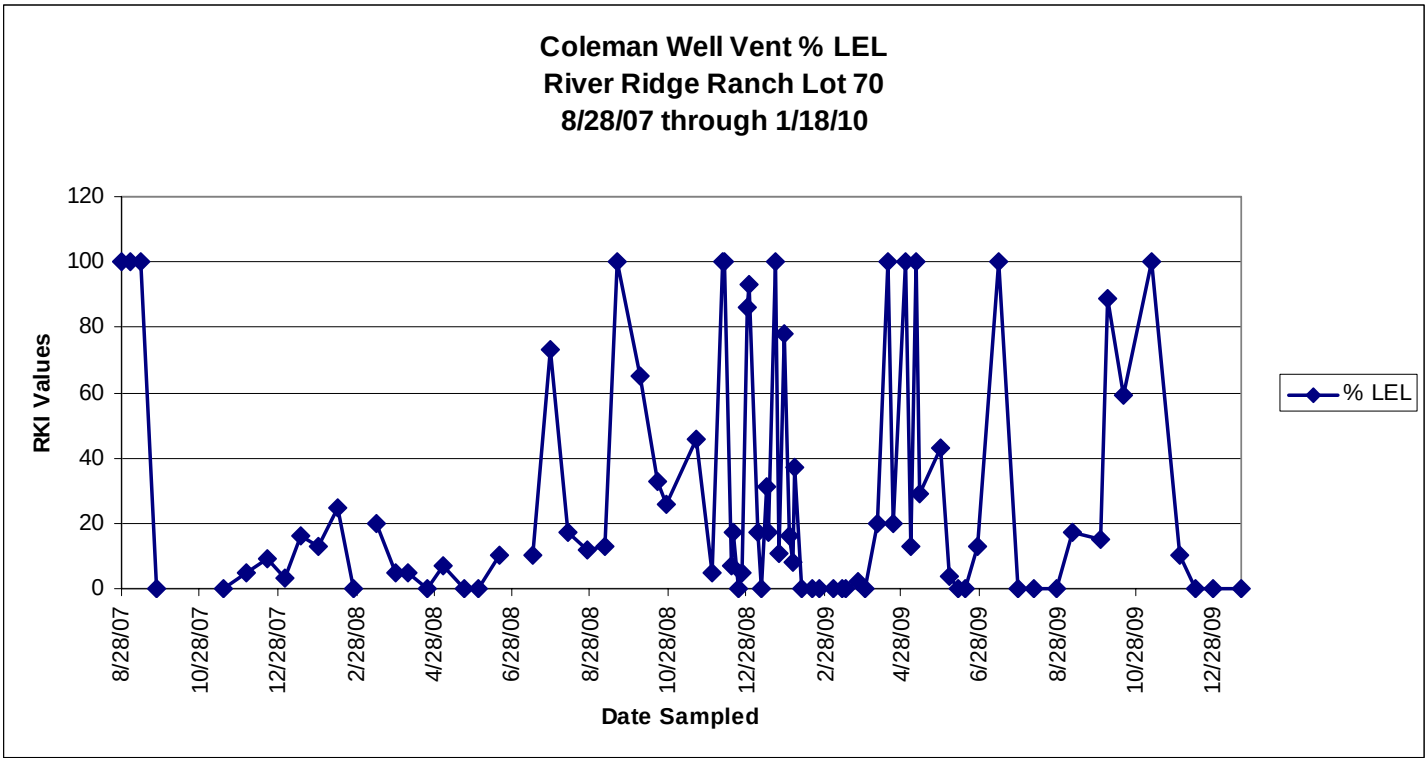

Houghtling CH4 % VOL Graph
River Ridge Ranch Lot 52
7/24/07 through 1/18/10
Percent
Date Sampled
CH4 % VOL

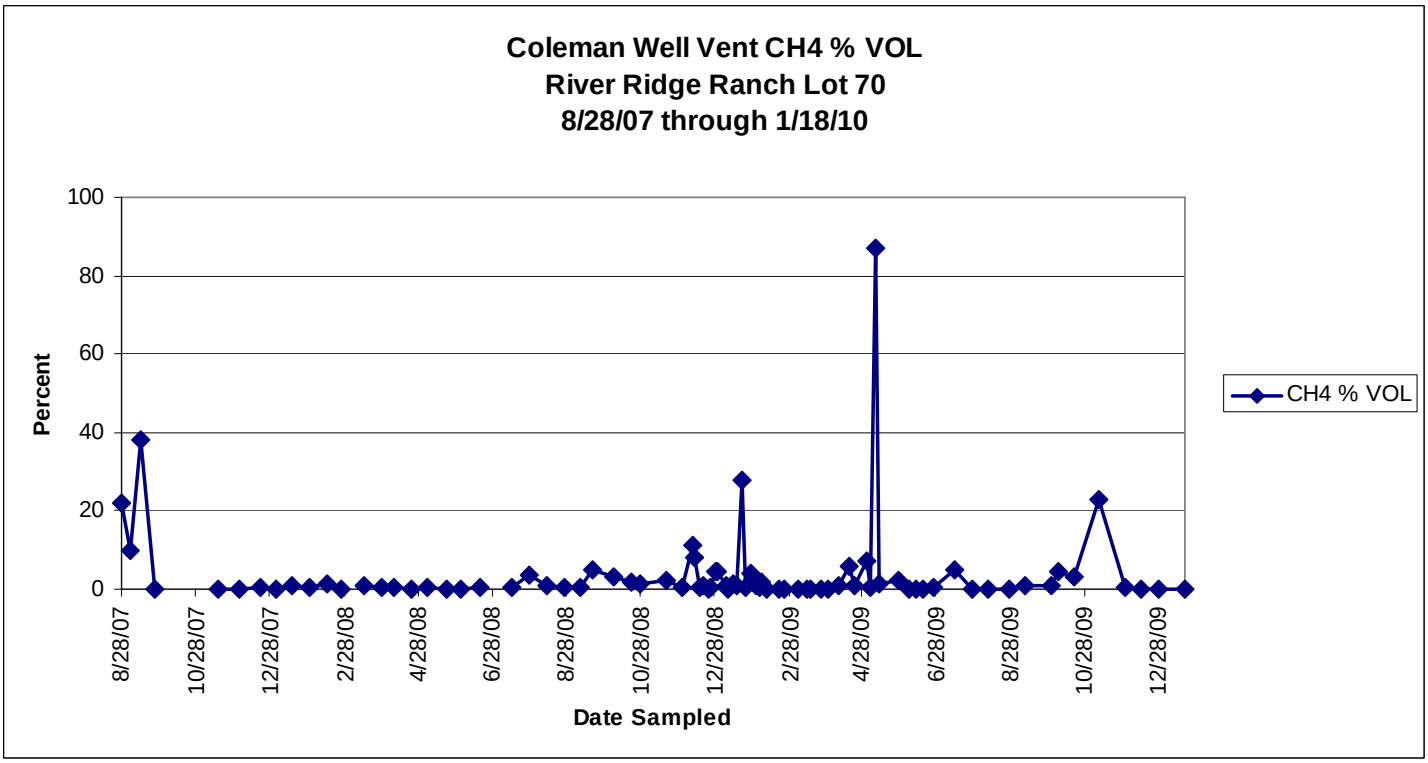

Hopke % LEL Graph
River Ridge Ranch Lot 68
7/5/07 through 1/18/10
Percent
100
80
60
40
20
0
7/5/07
9/5/07
11/5/07
1/5/08
3/5/08
5/5/08
7/5/08
9/5/08
11/5/08
1/5/09
3/5/09
5/5/09
7/5/09
9/5/09
11/5/09
1/5/10
Date Sampled
% LEL

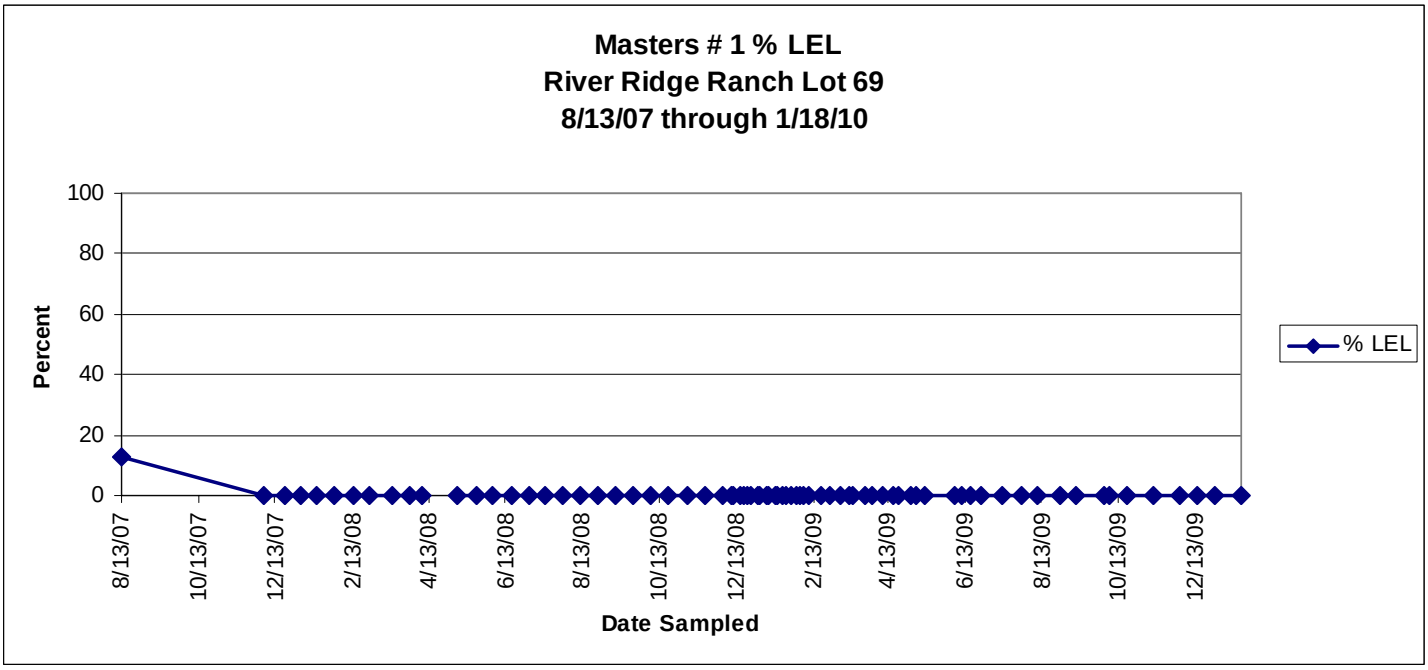

Hopke CH4 % VOL Graph
River Ridge Ranch Lot 68
7/5/07 through 1/18/10
Percent
100
80
60
40
20
0
7/5/07
9/5/07
11/5/07
1/5/08
3/5/08
5/5/08
7/5/08
9/5/08
11/5/08
1/5/09
3/5/09
5/5/09
7/5/09
9/5/09
11/5/09
1/5/10
Date Sampled
CH4 % VOL

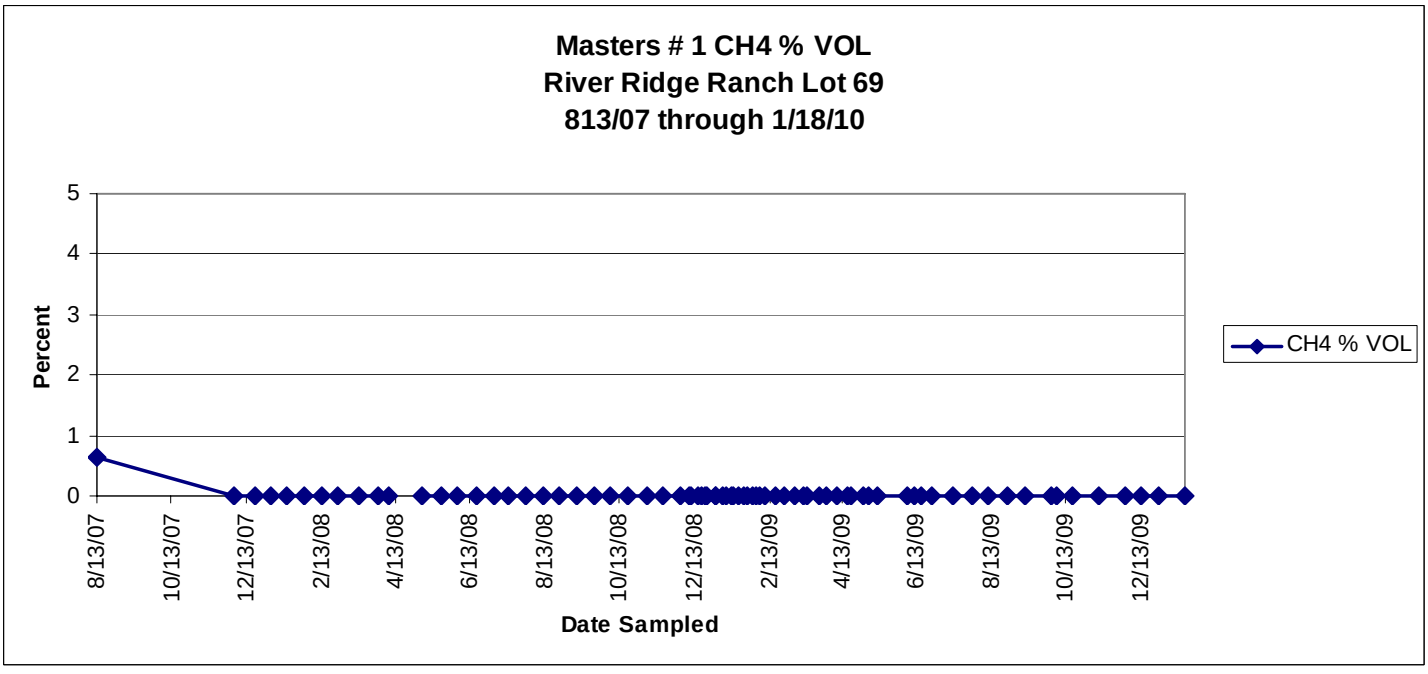

Coleman Wellhead % LEL
River Ridge Ranch Lot 70
7/5/07 through 1/18/10
Percent
100
80
60
40
20
0
7/5/07
9/5/07
11/5/07
1/5/08
3/5/08
5/5/08
7/5/08
9/5/08
11/5/08
1/5/09
3/5/09
5/5/09
7/5/09
9/5/09
11/5/09
1/5/10
Date Sampled
% LEL

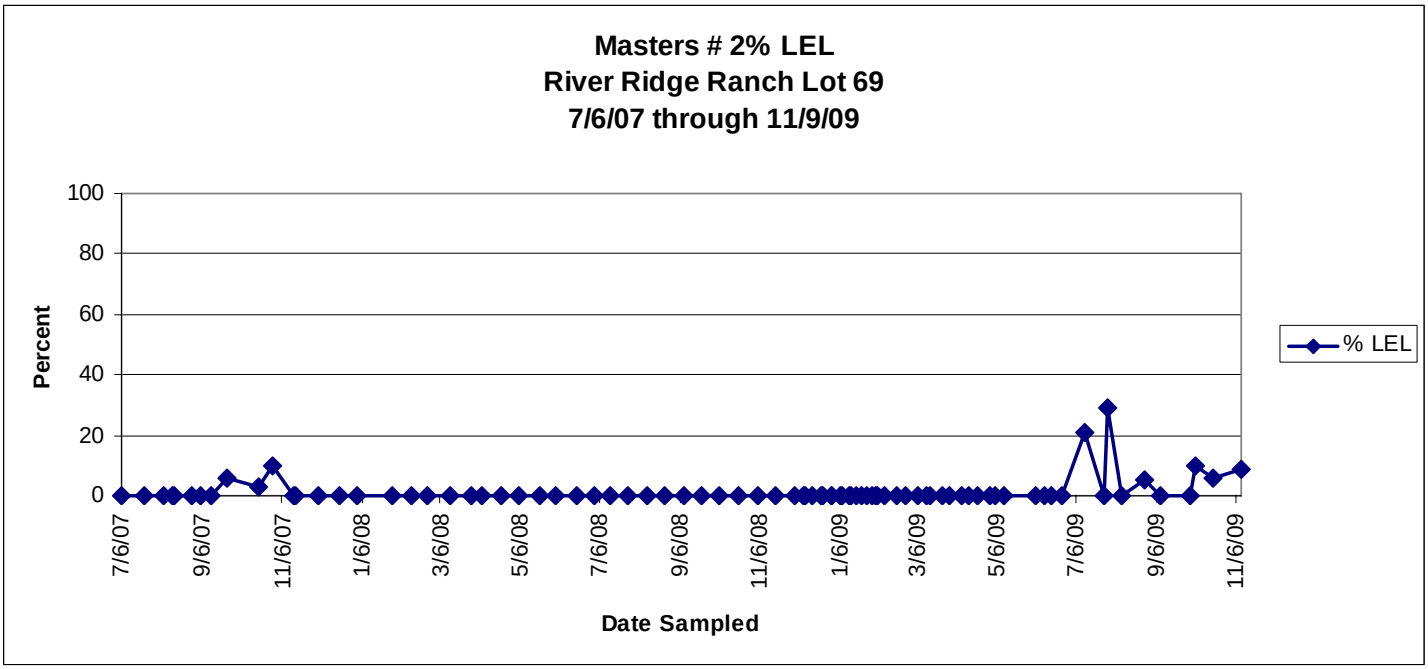

Coleman Wellhead CH4 % VOL
River Ridge Ranch Lot 70
7/5/07 through 1/18/10
Percent
100
80
60
40
20
0
7/5/07
9/5/07
11/5/07
1/5/08
3/5/08
5/5/08
7/5/08
9/5/08
11/5/08
1/5/09
3/5/09
5/5/09
7/5/09
9/5/09
11/5/09
1/5/10
Date Sampled
CH4 % VOL

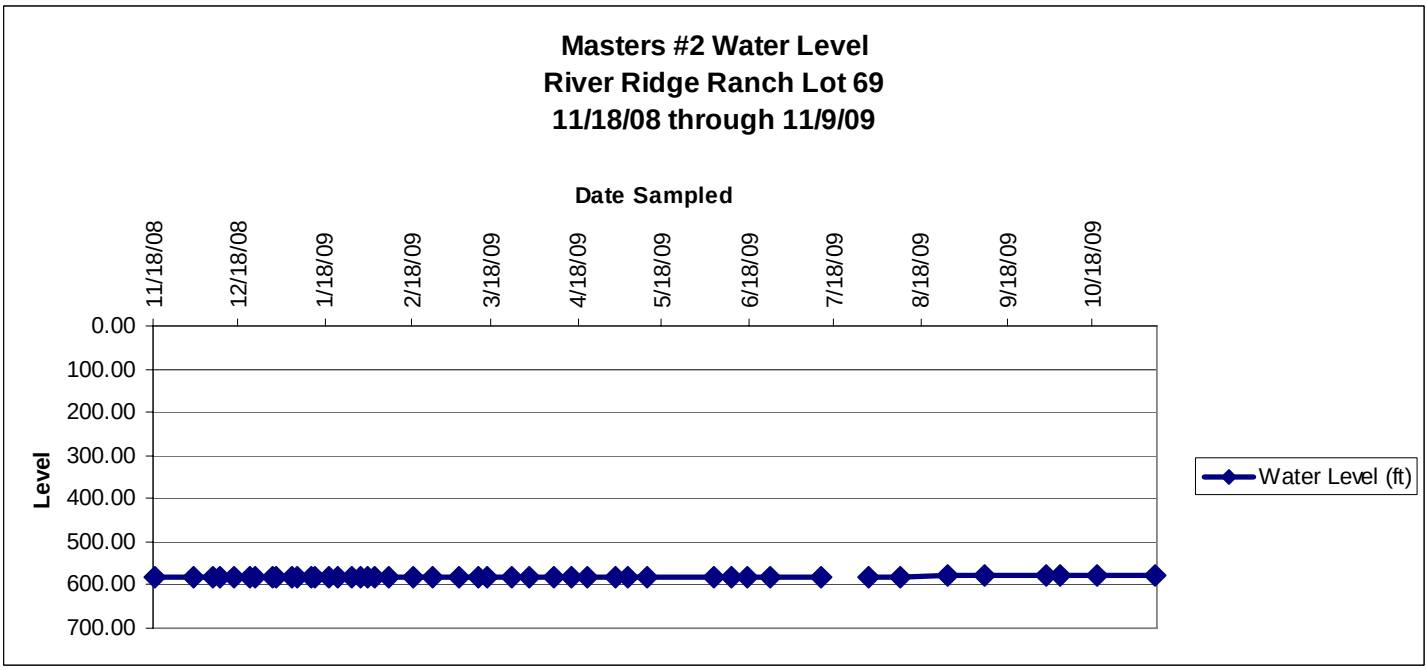

Coleman Well Vent % LEL
River Ridge Ranch Lot 70
8/28/07 through 1/18/10
RKI Values
120
100
80
60
40
20
0
8/28/07
10/28/07
12/28/07
2/28/08
4/28/08
6/28/08
8/28/08
10/28/08
12/28/08
2/28/09
4/28/09
6/28/09
8/28/09
10/28/09
12/28/09
Date Sampled
% LEL

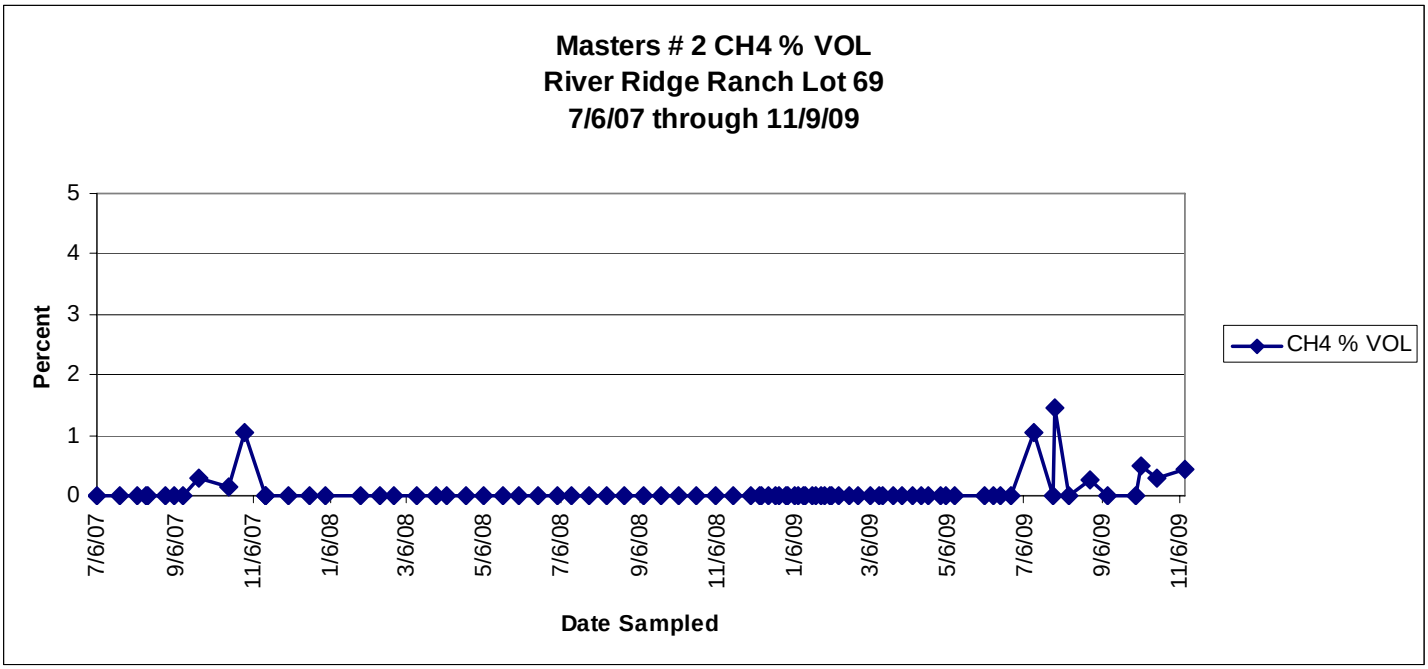

Coleman Well Vent CH4 % VOL
River Ridge Ranch Lot 70
8/28/07 through 1/18/10
Percent
100
80
60
40
20
0
8/28/07
10/28/07
12/28/07
2/28/08
4/28/08
6/28/08
8/28/08
10/28/08
12/28/08
2/28/09
4/28/09
6/28/09
8/28/09
10/28/09
12/28/09
Date Sampled
CH4 % VOL

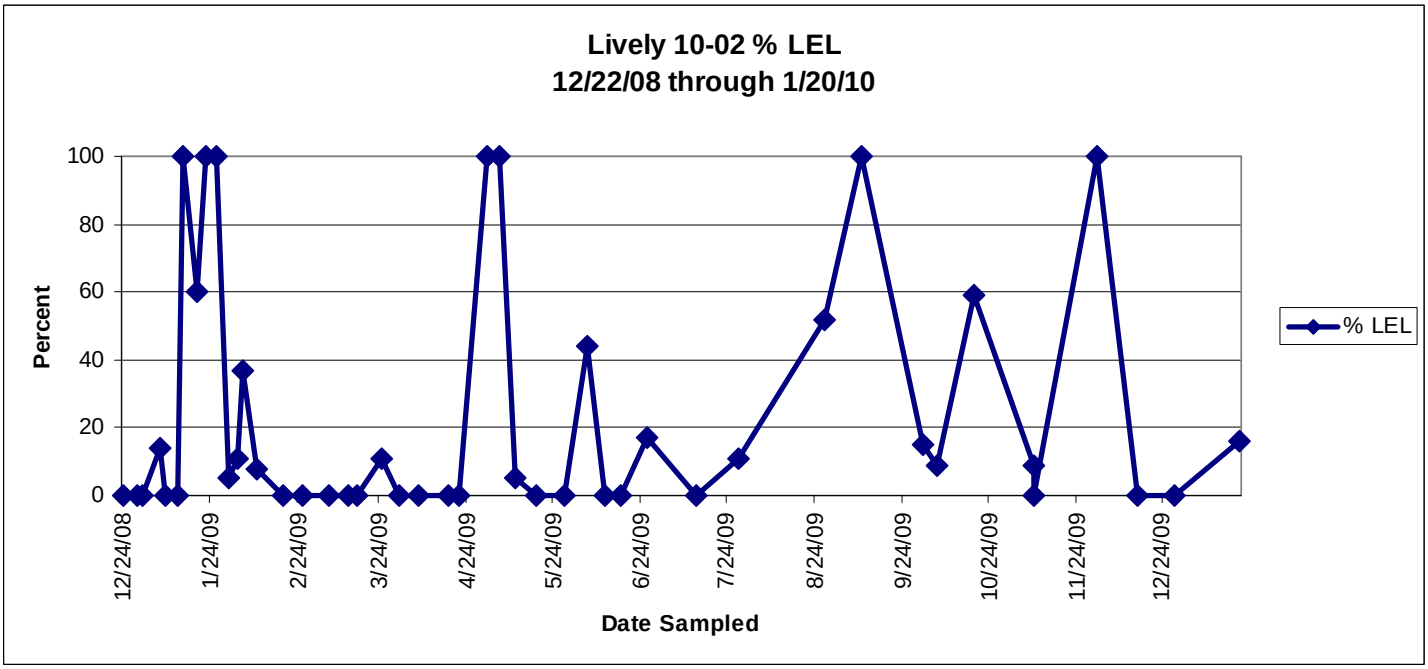

Masters # 1 % LEL
River Ridge Ranch Lot 69
8/13/07 through 1/18/10
Percent
100
80
60
40
20
0
8/13/07
10/13/07
12/13/07
2/13/08
4/13/08
6/13/08
8/13/08
10/13/08
12/13/08
2/13/09
4/13/09
6/13/09
8/13/09
10/13/09
12/13/09
Date Sampled
% LEL

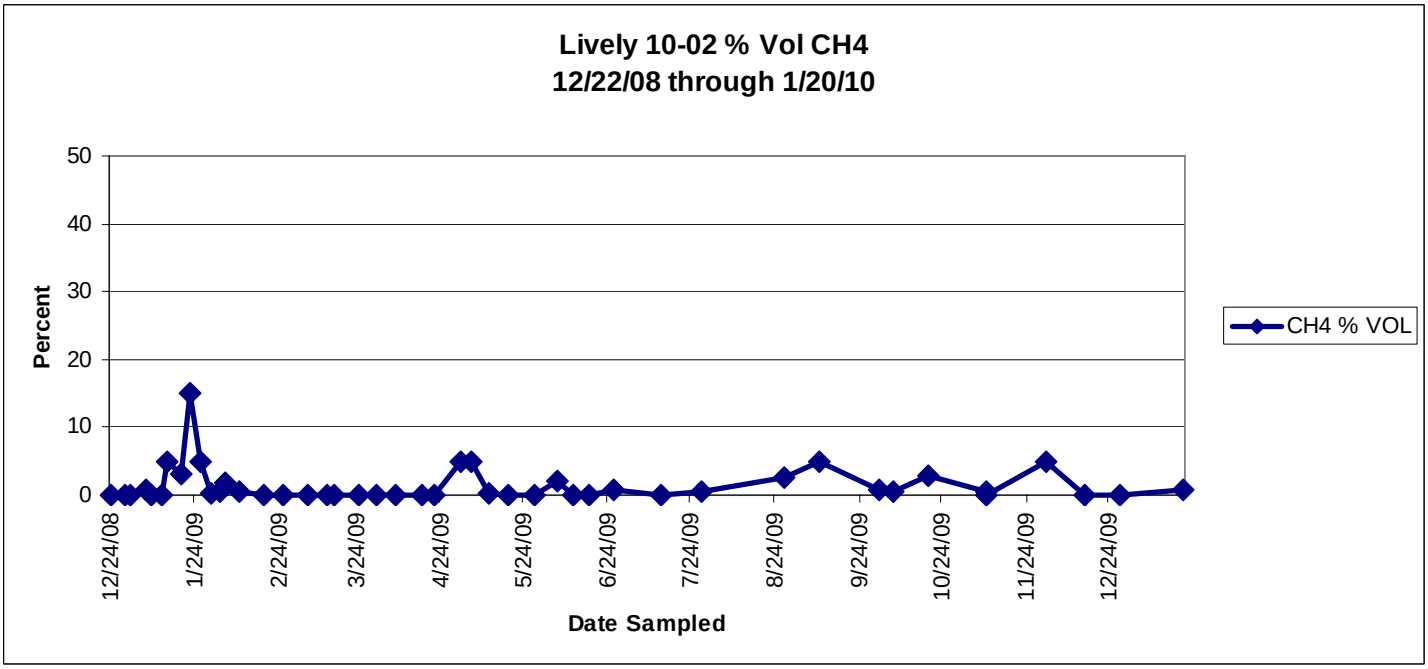

Masters # 1 CH4 % VOL
River Ridge Ranch Lot 69
813/07 through 1/18/10
Percent
5
4
3
2
1
0
8/13/07
10/13/07
12/13/07
2/13/08
4/13/08
6/13/08
8/13/08
10/13/08
12/13/08
2/13/09
4/13/09
6/13/09
8/13/09
10/13/09
12/13/09
Date Sampled
CH4 % VOL

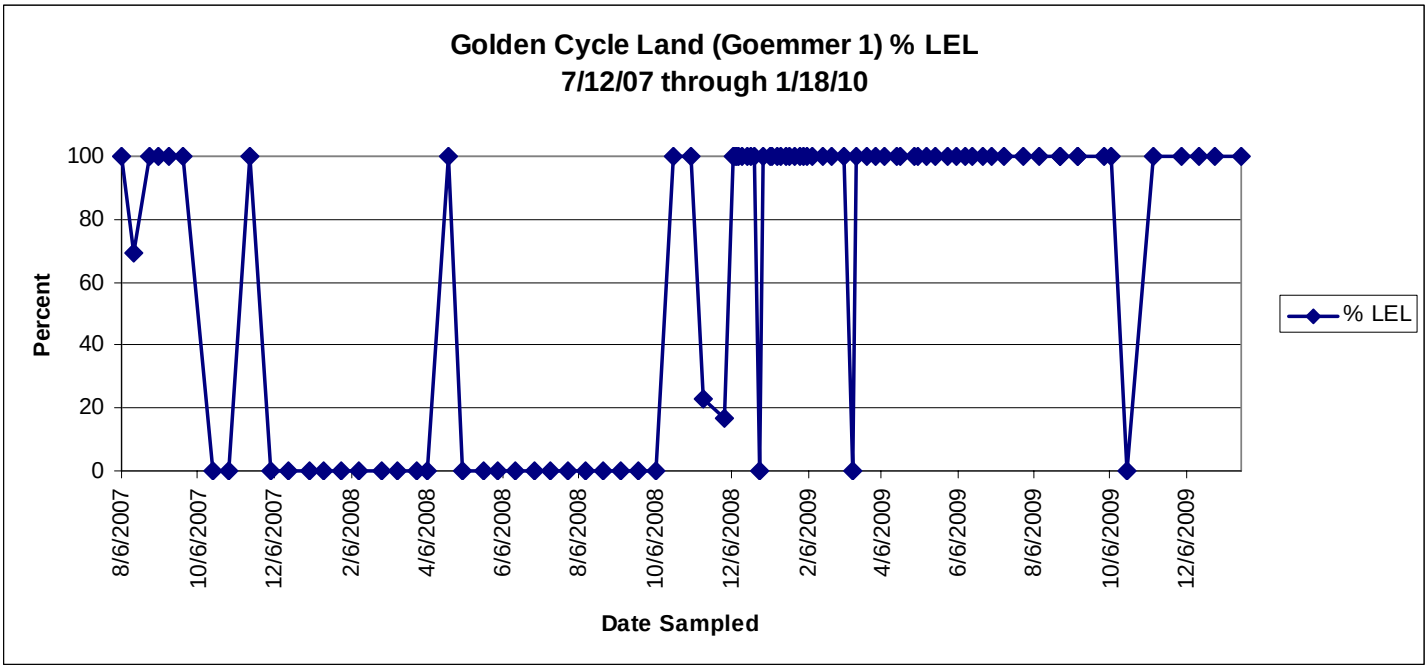

Masters # 2% LEL
River Ridge Ranch Lot 69
7/6/07 through 11/9/09
Percent
100
80
60
40
20
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
Date Sampled
% LEL

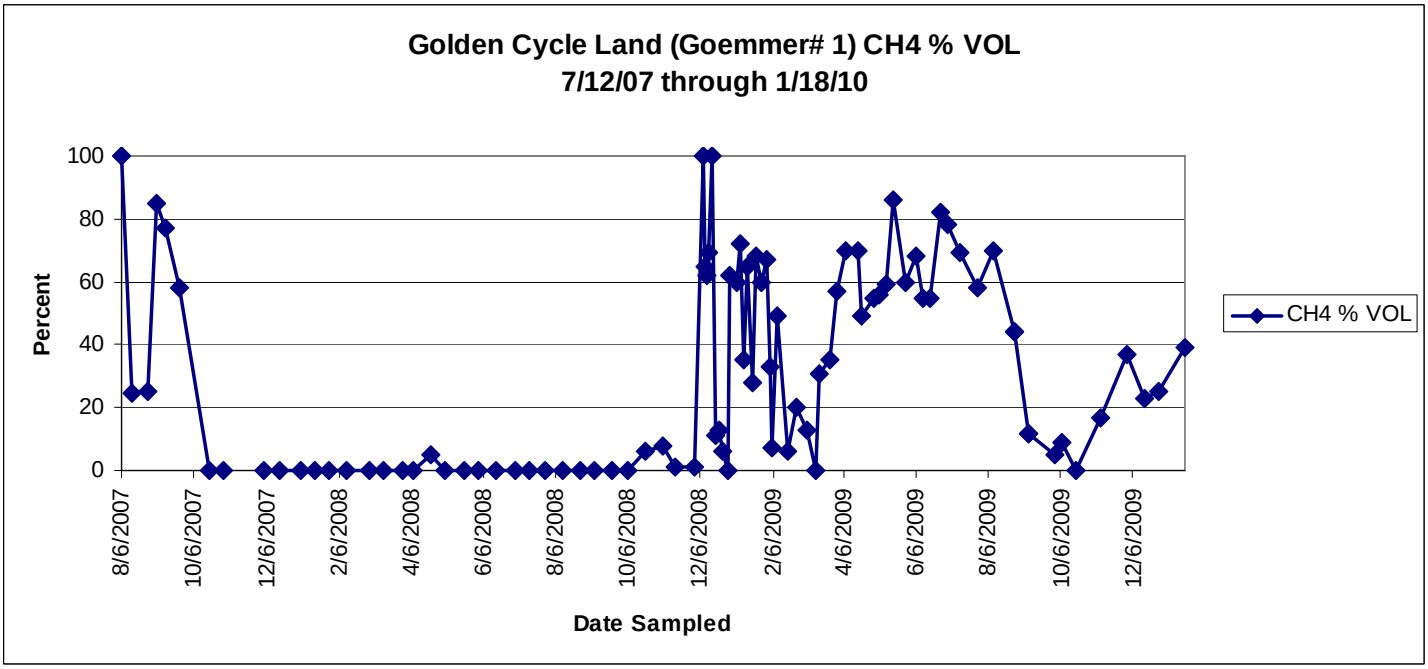

Masters #2 Water Level
River Ridge Ranch Lot 69
11/18/08 through 11/9/09
Date Sampled
11/18/08
12/18/08
1/18/09
2/18/09
3/18/09
4/18/09
5/18/09
6/18/09
7/18/09
8/18/09
9/18/09
10/18/09
Level
0.00
100.00
200.00
300.00
400.00
500.00
600.00
700.00
Water Level (ft)

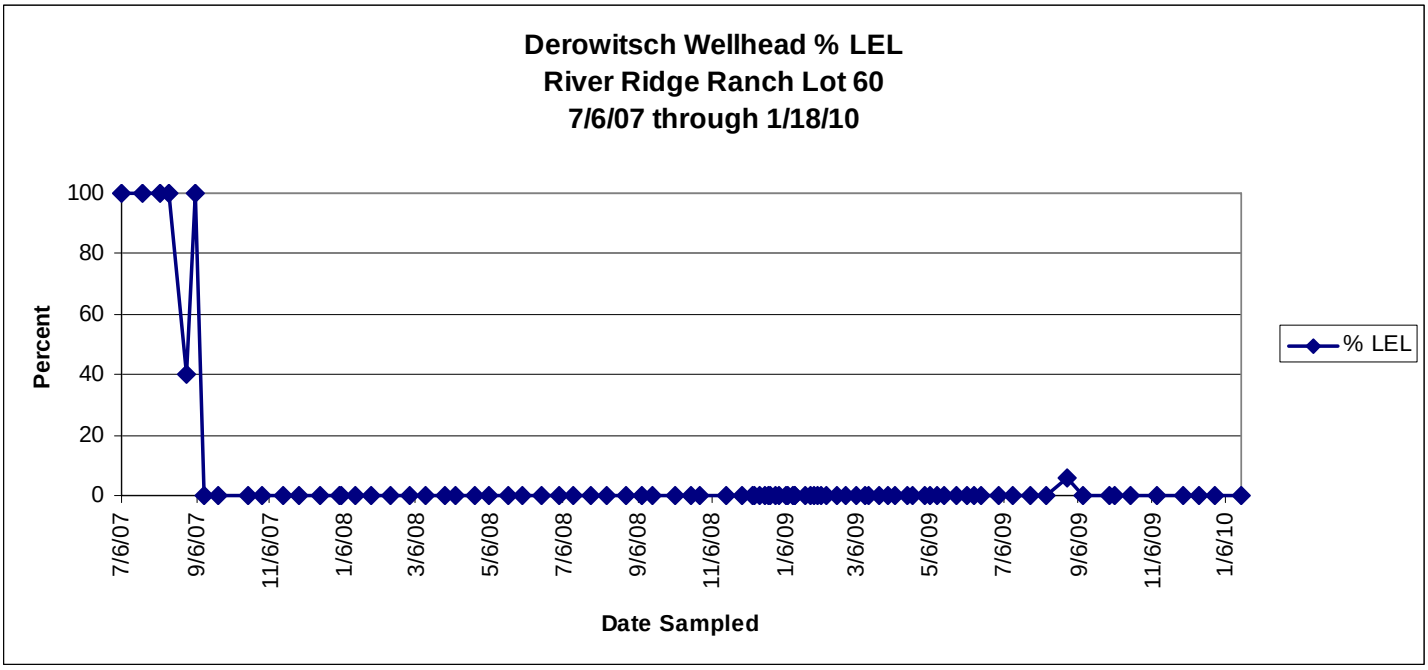

Masters # 2 CH4 % VOL
River Ridge Ranch Lot 69
7/6/07 through 11/9/09
Percent
5
4
3
2
1
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
Date Sampled
CH4 % VOL

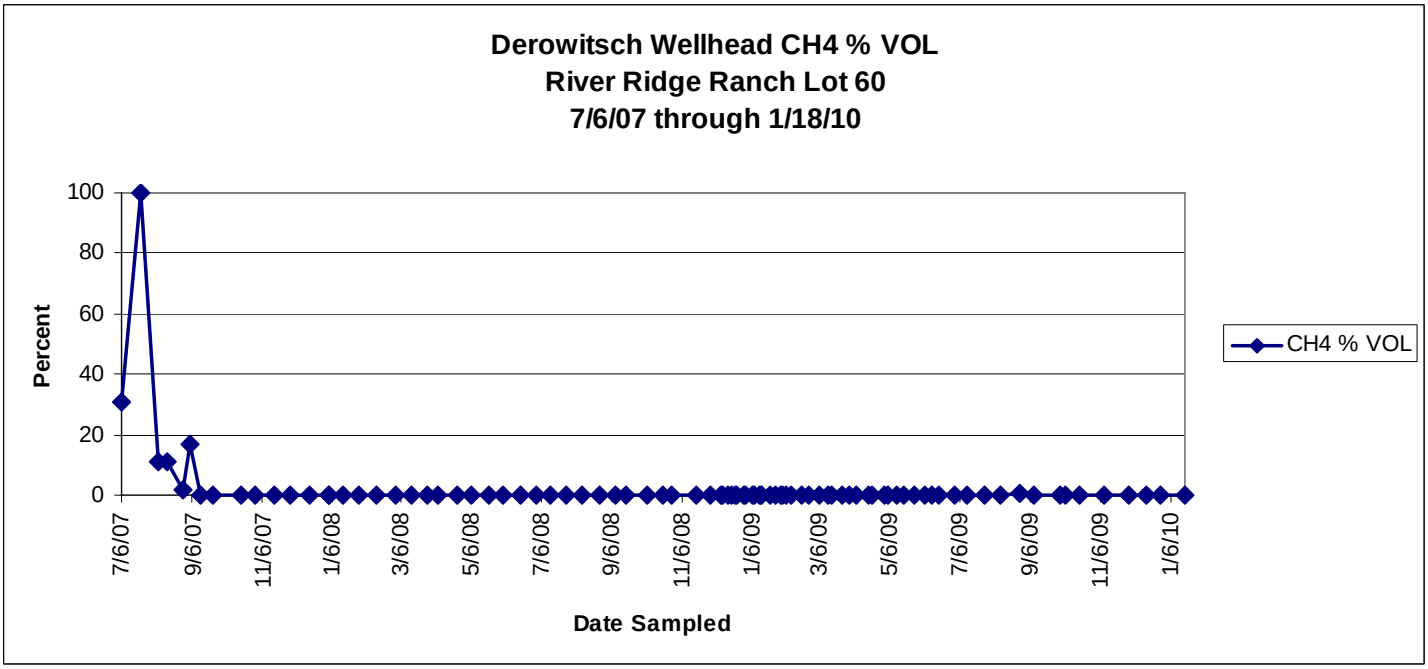

Lively 10-02 % LEL
12/22/08 through 1/20/10
Percent
100
80
60
40
20
0
12/24/08
1/24/09
2/24/09
3/24/09
4/24/09
5/24/09
6/24/09
7/24/09
8/24/09
9/24/09
10/24/09
11/24/09
12/24/09
Date Sampled
% LEL

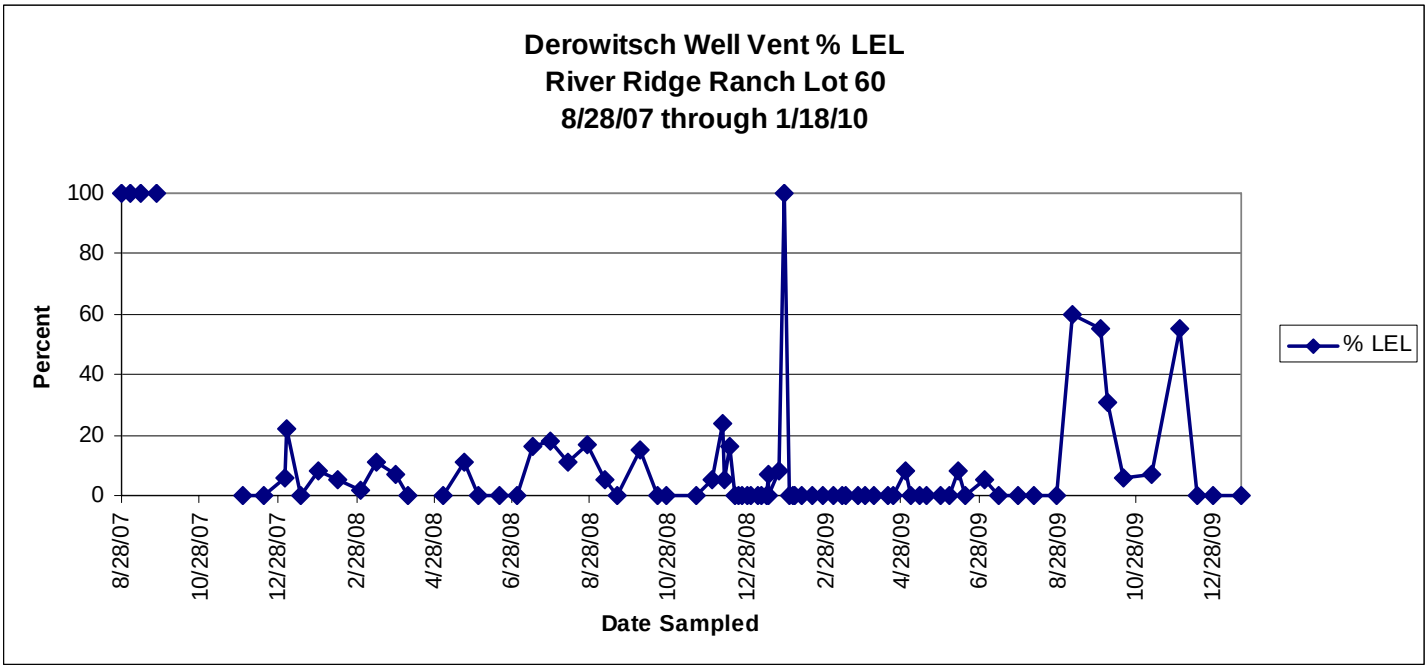

Lively 10-02 % Vol CH4
12/22/08 through 1/20/10
Percent
50
40
30
20
10
0
12/24/08
1/24/09
2/24/09
3/24/09
4/24/09
5/24/09
6/24/09
7/24/09
8/24/09
9/24/09
10/24/09
11/24/09
12/24/09
Date Sampled
CH4 % VOL

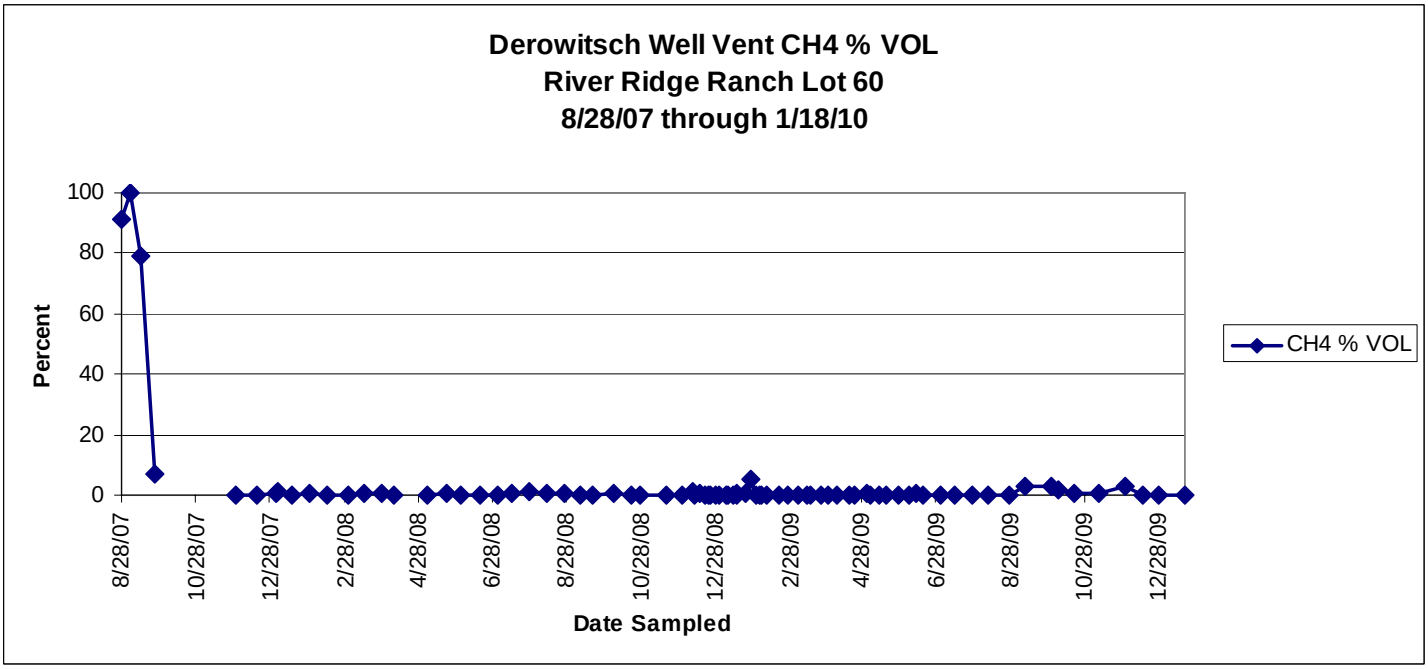

Golden Cycle Land (Goemmer 1) % LEL
7/12/07 through 1/18/10
Percent
100
80
60
40
20
0
8/6/2007
10/6/2007
12/6/2007
2/6/2008
4/6/2008
6/6/2008
8/6/2008
10/6/2008
12/6/2008
2/6/2009
4/6/2009
6/6/2009
8/6/2009
10/6/2009
12/6/2009
Date Sampled
% LEL

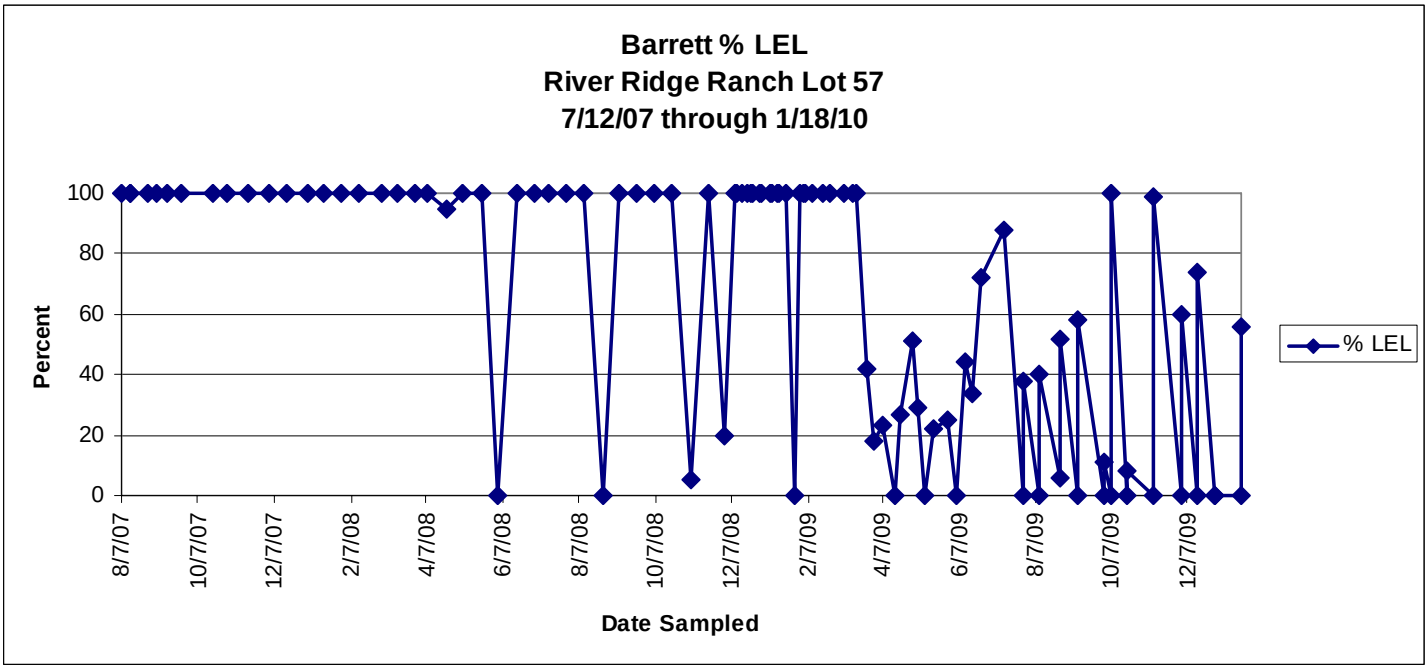

Golden Cycle Land (Goemmer# 1) CH4 % VOL
7/12/07 through 1/18/10
Percent
100
80
60
40
20
0
8/6/2007
10/6/2007
12/6/2007
2/6/2008
4/6/2008
6/6/2008
8/6/2008
10/6/2008
12/6/2008
2/6/2009
4/6/2009
6/6/2009
8/6/2009
10/6/2009
12/6/2009
Date Sampled
CH4 % VOL

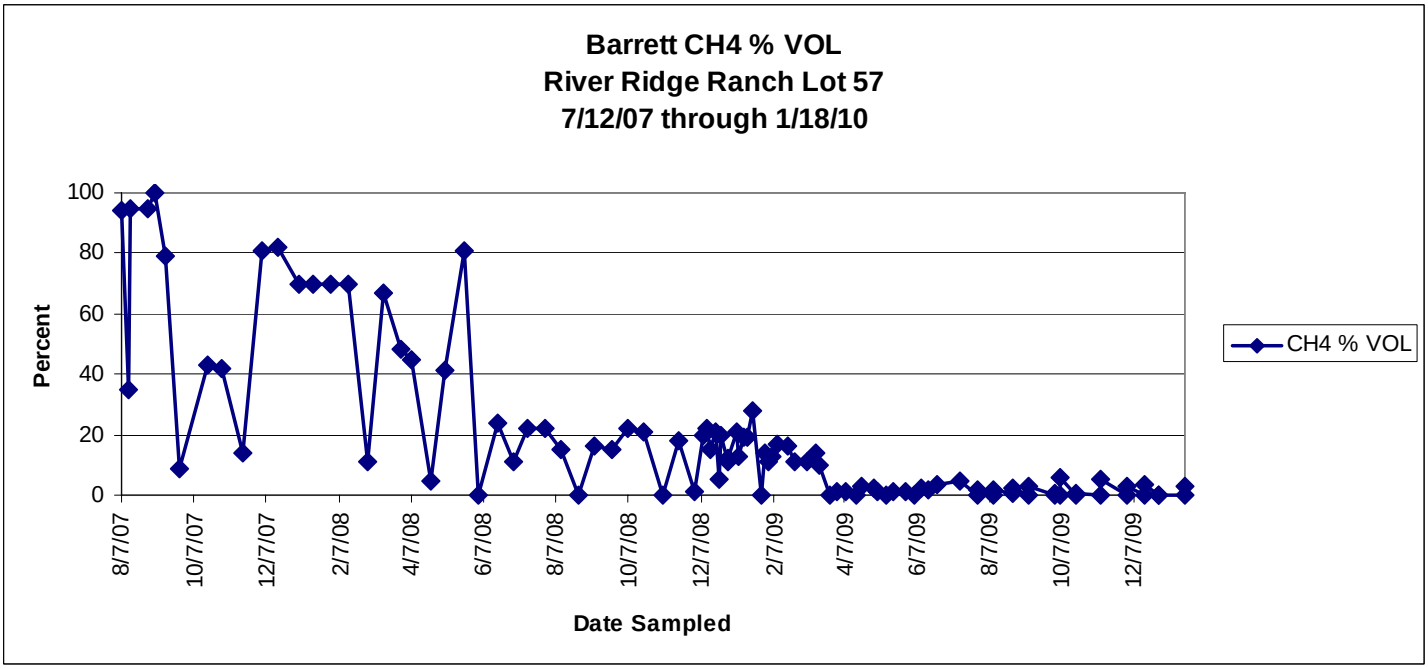

Derowitsch Wellhead % LEL
River Ridge Ranch Lot 60
7/6/07 through 1/18/10
Percent
100
80
60
40
20
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
1/6/10
Date Sampled
% LEL

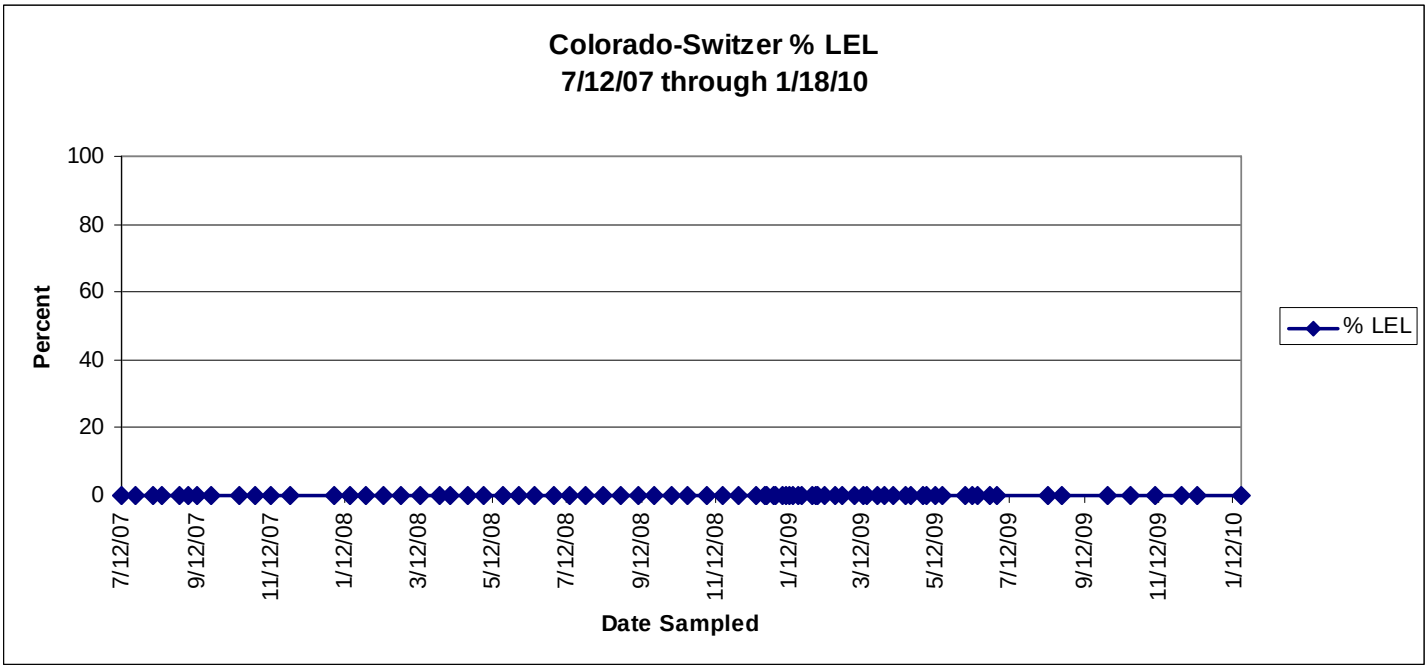

Derowitsch Wellhead CH4 % VOL
River Ridge Ranch Lot 60
7/6/07 through 1/18/10
Percent
100
80
60
40
20
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
1/6/10
Date Sampled
CH4 % VOL

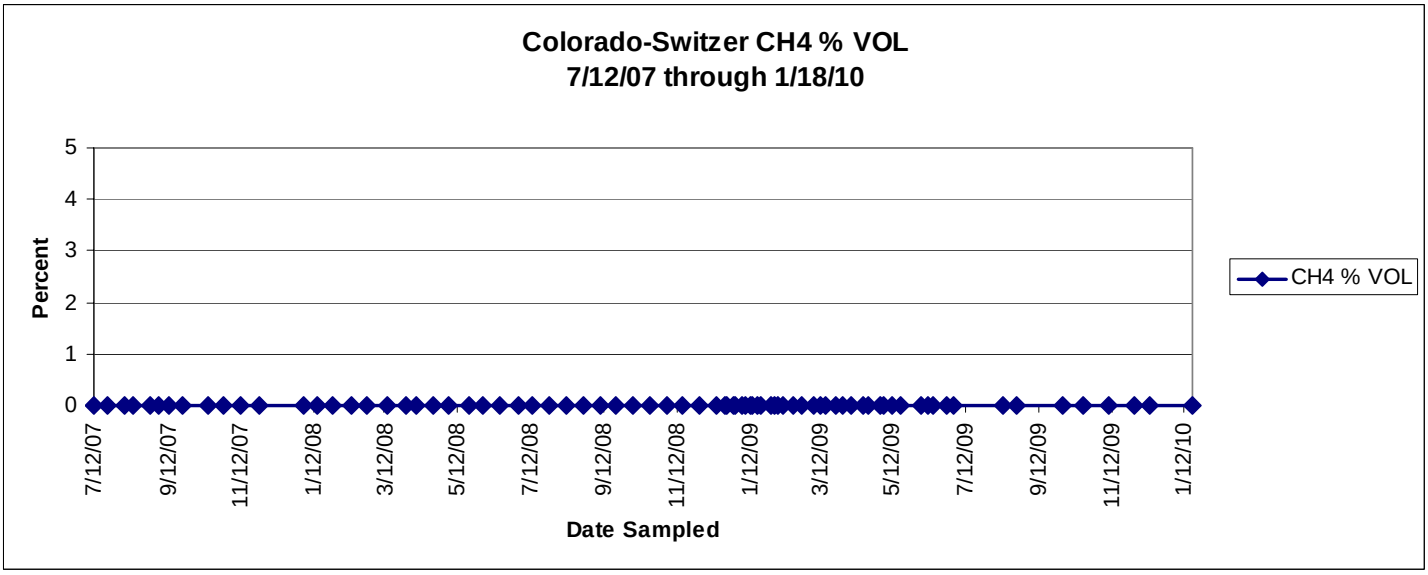

Derowitsch Well Vent % LEL
River Ridge Ranch Lot 60
8/28/07 through 1/18/10
Percent
100
80
60
40
20
0
8/28/07
10/28/07
12/28/07
2/28/08
4/28/08
6/28/08
8/28/08
10/28/08
12/28/08
2/28/09
4/28/09
6/28/09
8/28/09
10/28/09
12/28/09
Date Sampled
% LEL

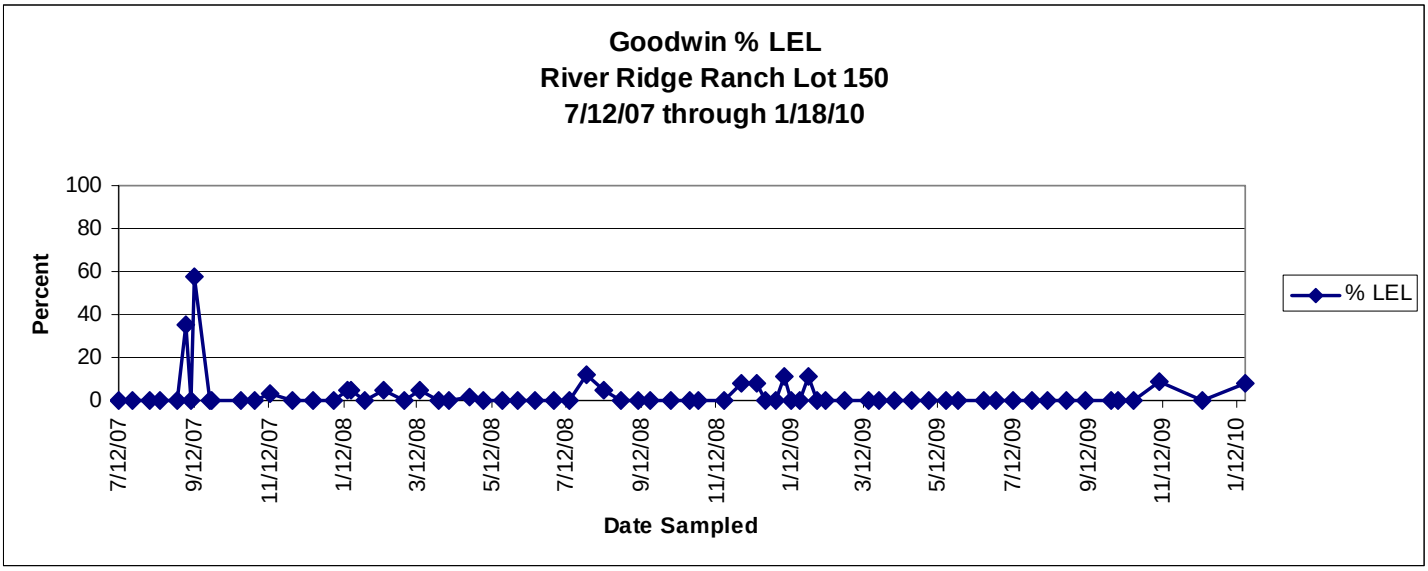

Derowitsch Well Vent CH4 % VOL
River Ridge Ranch Lot 60
8/28/07 through 1/18/10
Percent
100
80
60
40
20
0
8/28/07
10/28/07
12/28/07
2/28/08
4/28/08
6/28/08
8/28/08
10/28/08
12/28/08
2/28/09
4/28/09
6/28/09
8/28/09
10/28/09
12/28/09
Date Sampled
CH4 % VOL

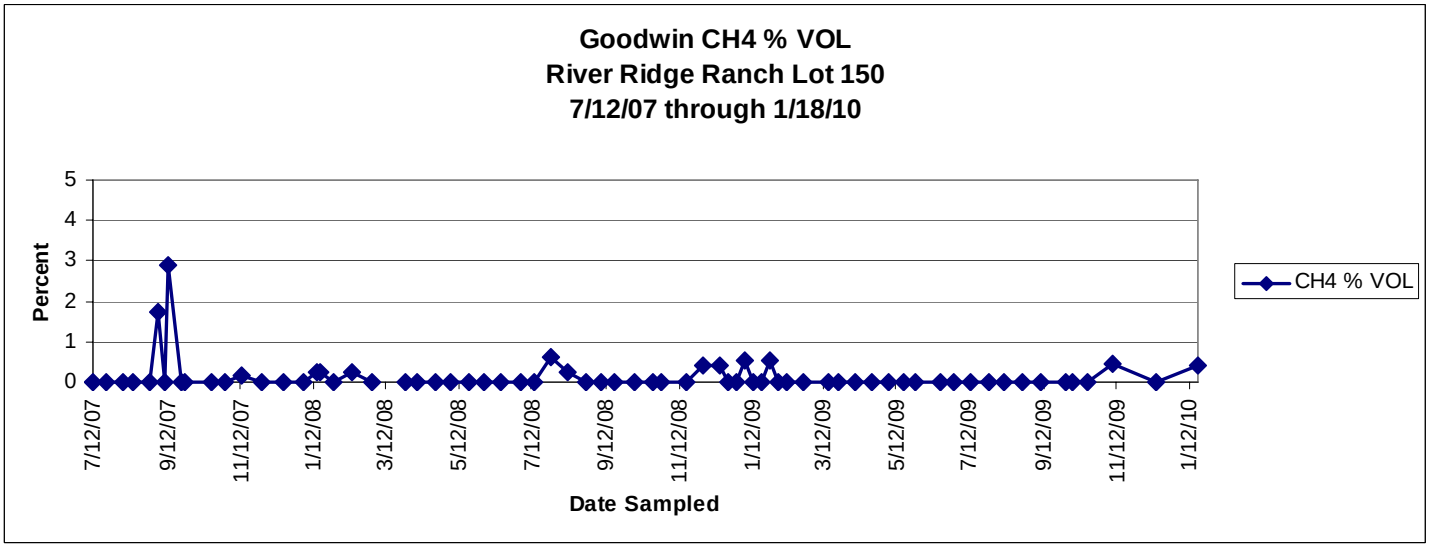

Barrett % LEL
River Ridge Ranch Lot 57
7/12/07 through 1/18/10
Percent
100
80
60
40
20
0
8/7/07
10/7/07
12/7/07
2/7/08
4/7/08
6/7/08
8/7/08
10/7/08
12/7/08
2/7/09
4/7/09
6/7/09
8/7/09
10/7/09
12/7/09
Date Sampled
% LEL

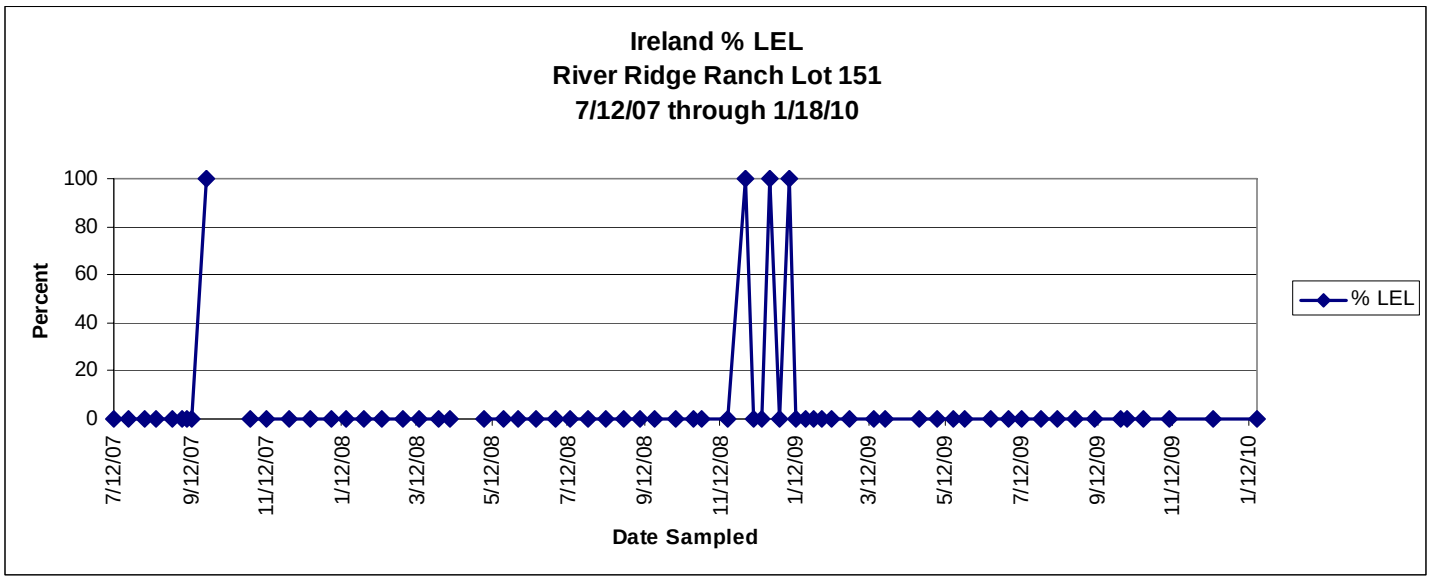

Barrett CH4 % VOL
River Ridge Ranch Lot 57
7/12/07 through 1/18/10
Percent
100
80
60
40
20
0
8/7/07
10/7/07
12/7/07
2/7/08
4/7/08
6/7/08
8/7/08
10/7/08
12/7/08
2/7/09
4/7/09
6/7/09
8/7/09
10/7/09
12/7/09
Date Sampled
CH4 % VOL

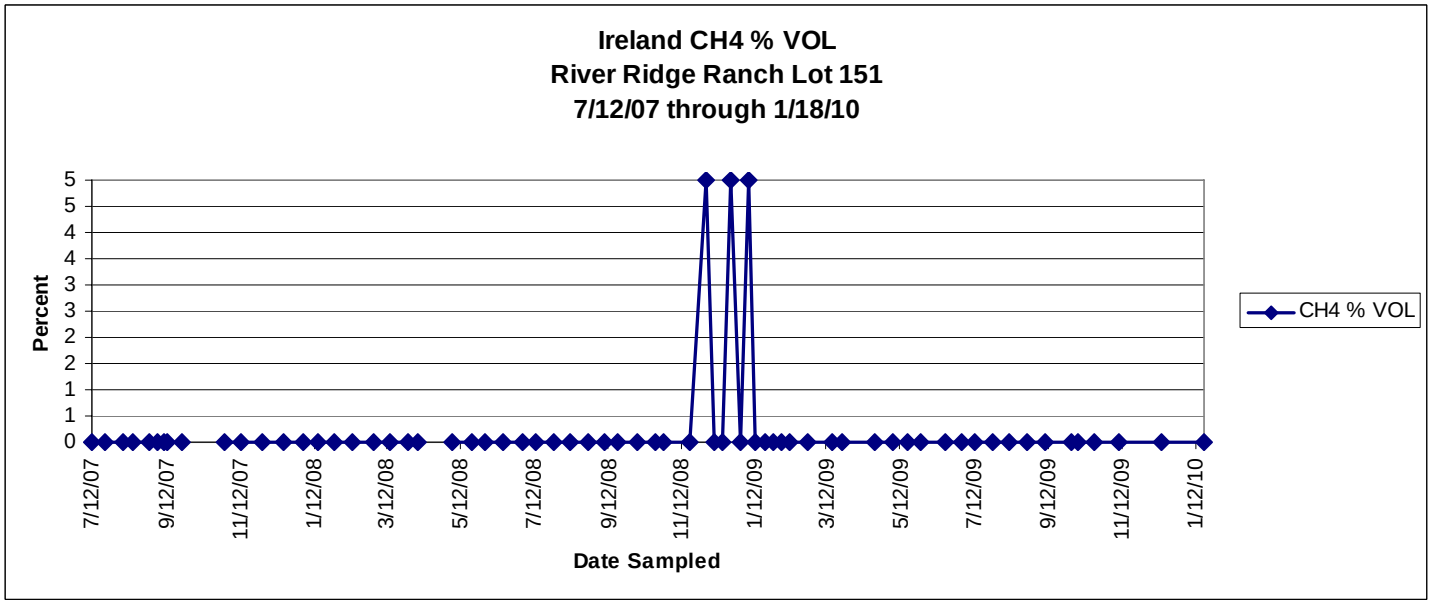

Colorado-Switzer % LEL
7/12/07 through 1/18/10
Percent
100
80
60
40
20
0
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
Date Sampled
% LEL

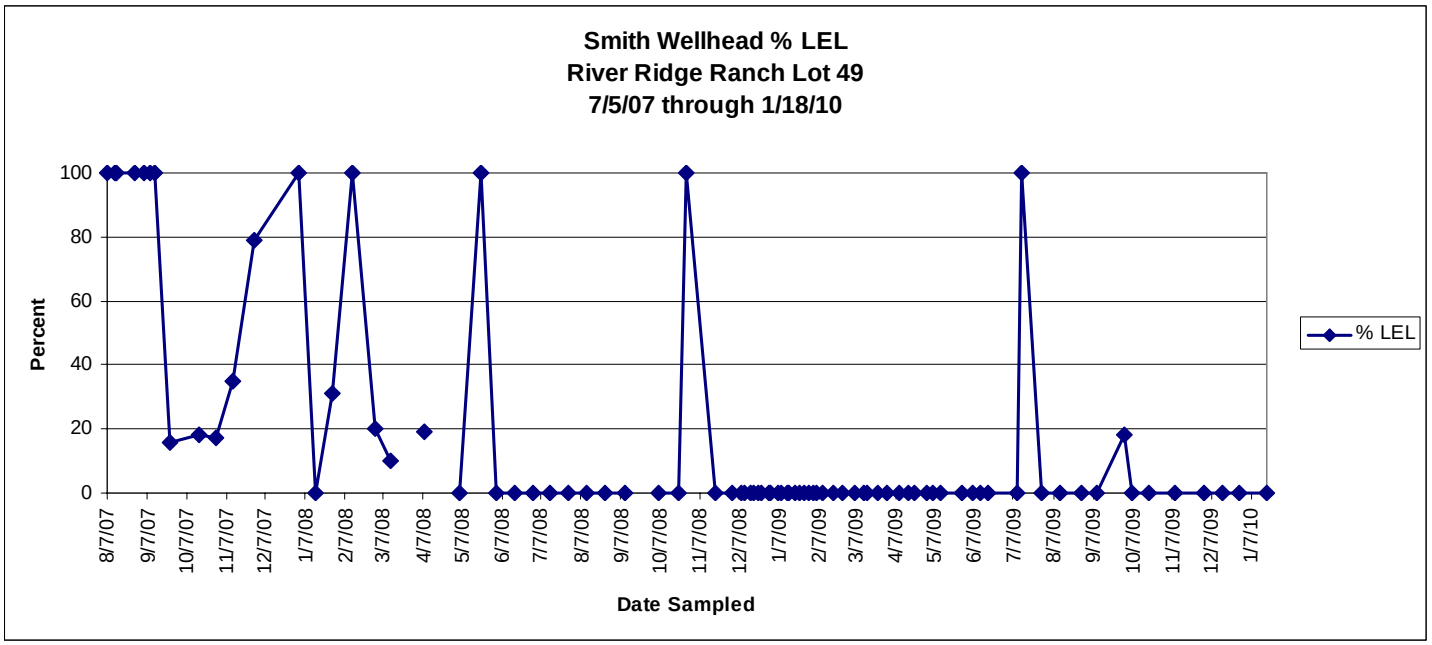

Colorado-Switzer CH4 % VOL
7/12/07 through 1/18/10
Percent
5
4
3
2
1
0
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
Date Sampled
CH4 % VOL

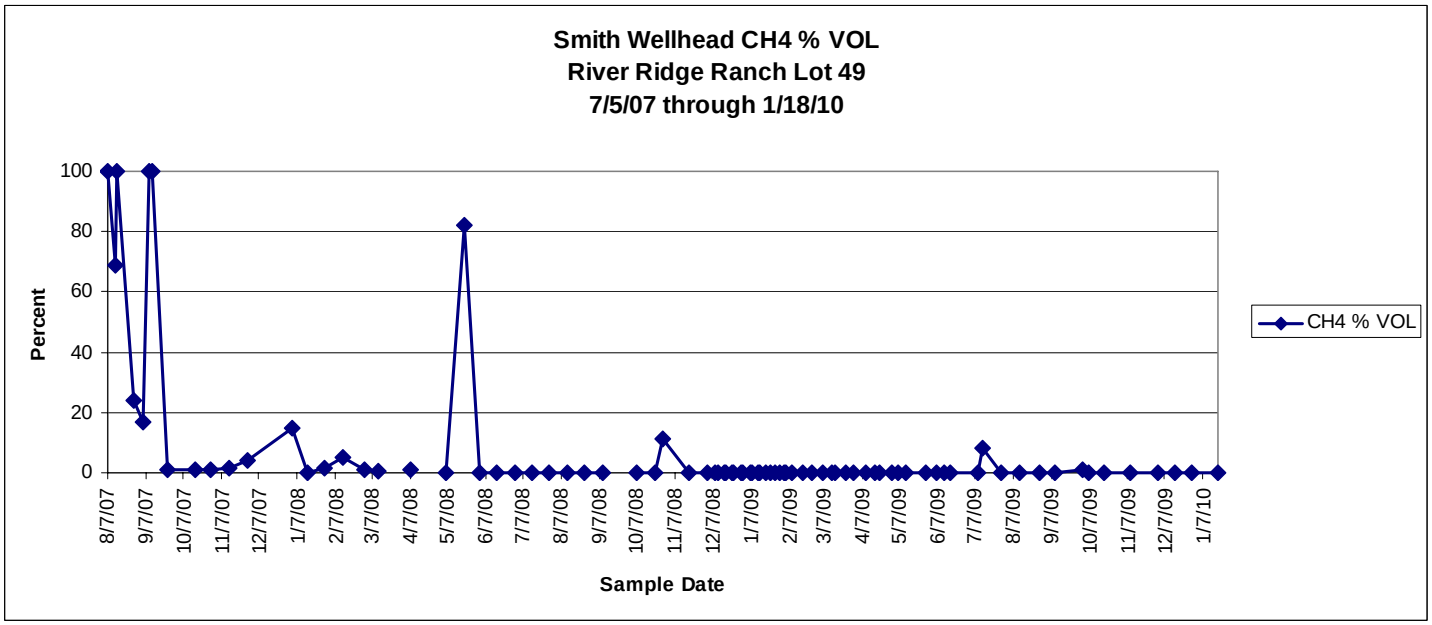

Goodwin % LEL
River Ridge Ranch Lot 150
7/12/07 through 1/18/10
Percent
100
80
60
40
20
0
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
Date Sampled
% LEL

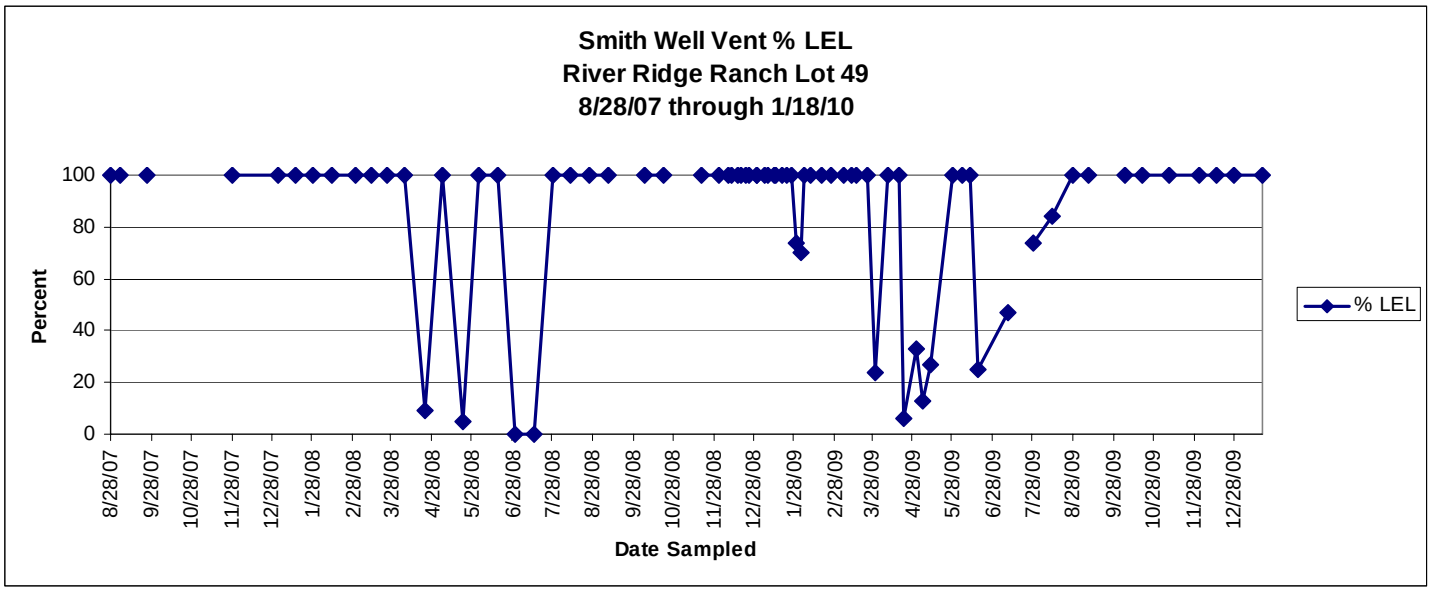

Goodwin CH4 % VOL
River Ridge Ranch Lot 150
7/12/07 through 1/18/10
Percent
5
4
3
2
1
0
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
Date Sampled
CH4 % VOL

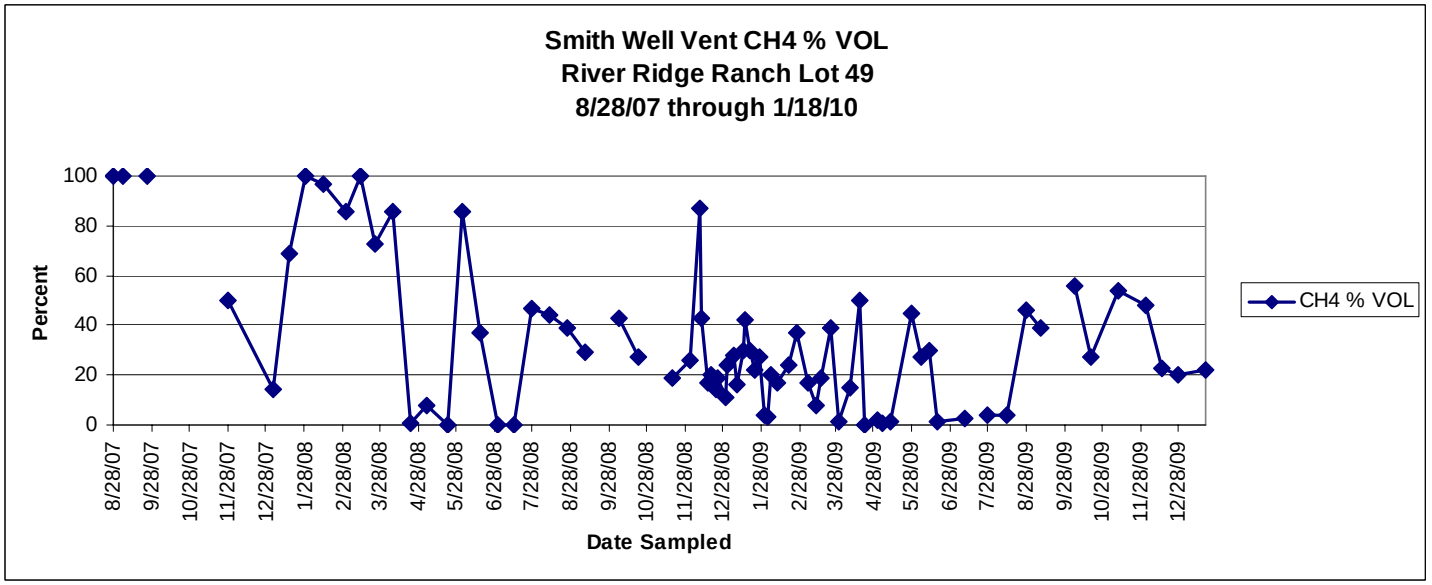

Ireland % LEL
River Ridge Ranch Lot 151
7/12/07 through 1/18/10
Percent
100
80
60
40
20
0
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
Date Sampled
% LEL

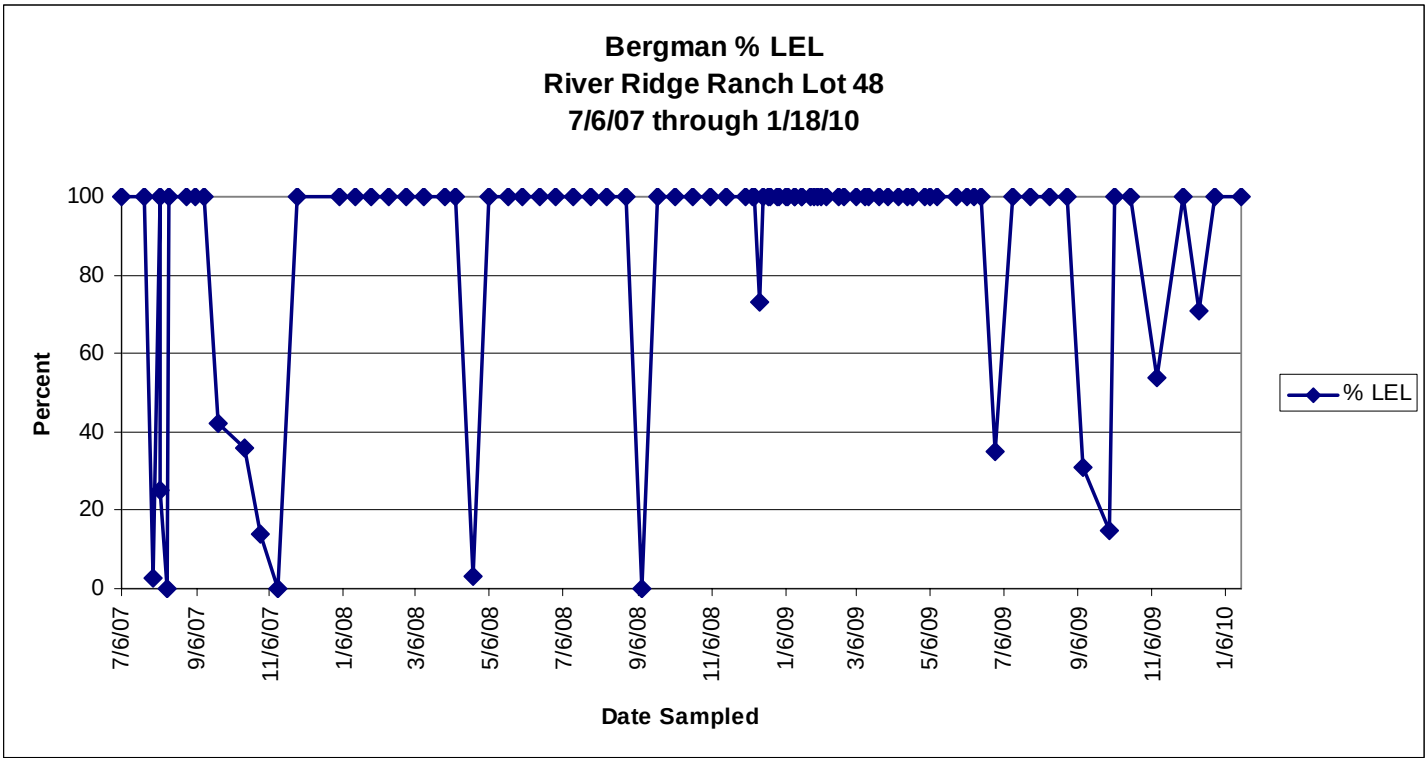

Ireland CH4 % VOL
River Ridge Ranch Lot 151
7/12/07 through 1/18/10
Percent
5
5
4
4
3
3
2
2
1
1
0
7/12/07
9/12/07
11/12/07
1/12/08
3/12/08
5/12/08
7/12/08
9/12/08
11/12/08
1/12/09
3/12/09
5/12/09
7/12/09
9/12/09
11/12/09
1/12/10
Date Sampled
CH4 % VOL

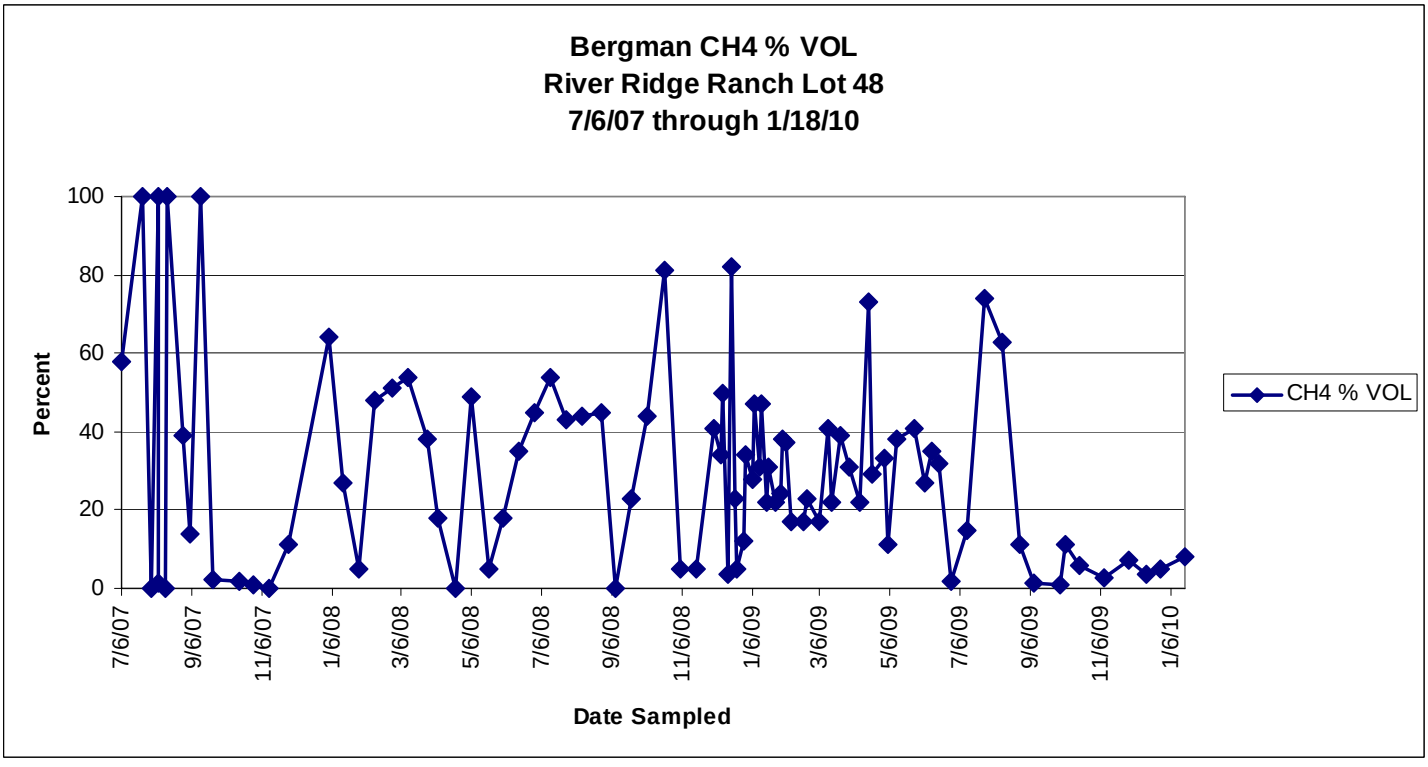

Smith Wellhead % LEL
River Ridge Ranch Lot 49
7/5/07 through 1/18/10
Percent
Date Sampled
% LEL

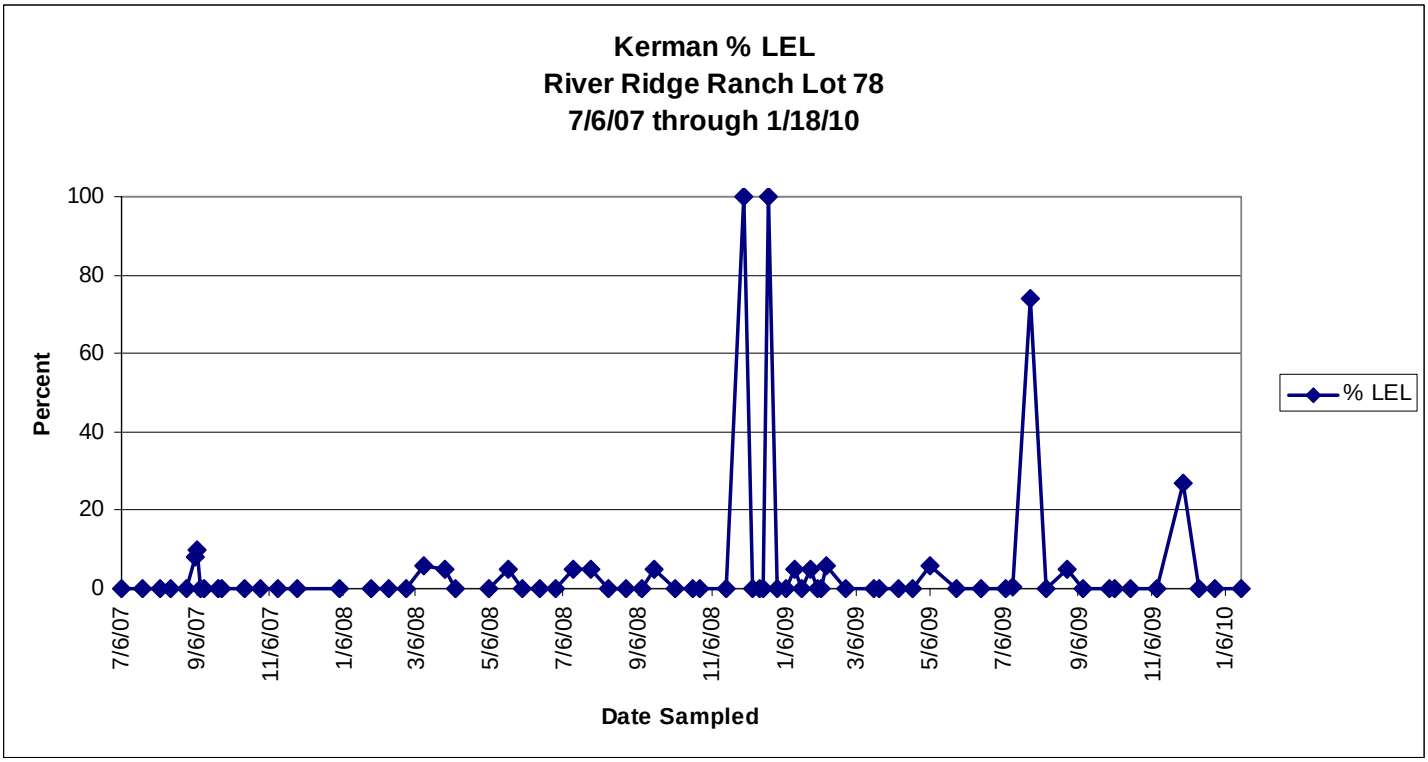

Smith Wellhead CH4 % VOL
River Ridge Ranch Lot 49
7/5/07 through 1/18/10
Percent
Sample Date
CH4 % VOL

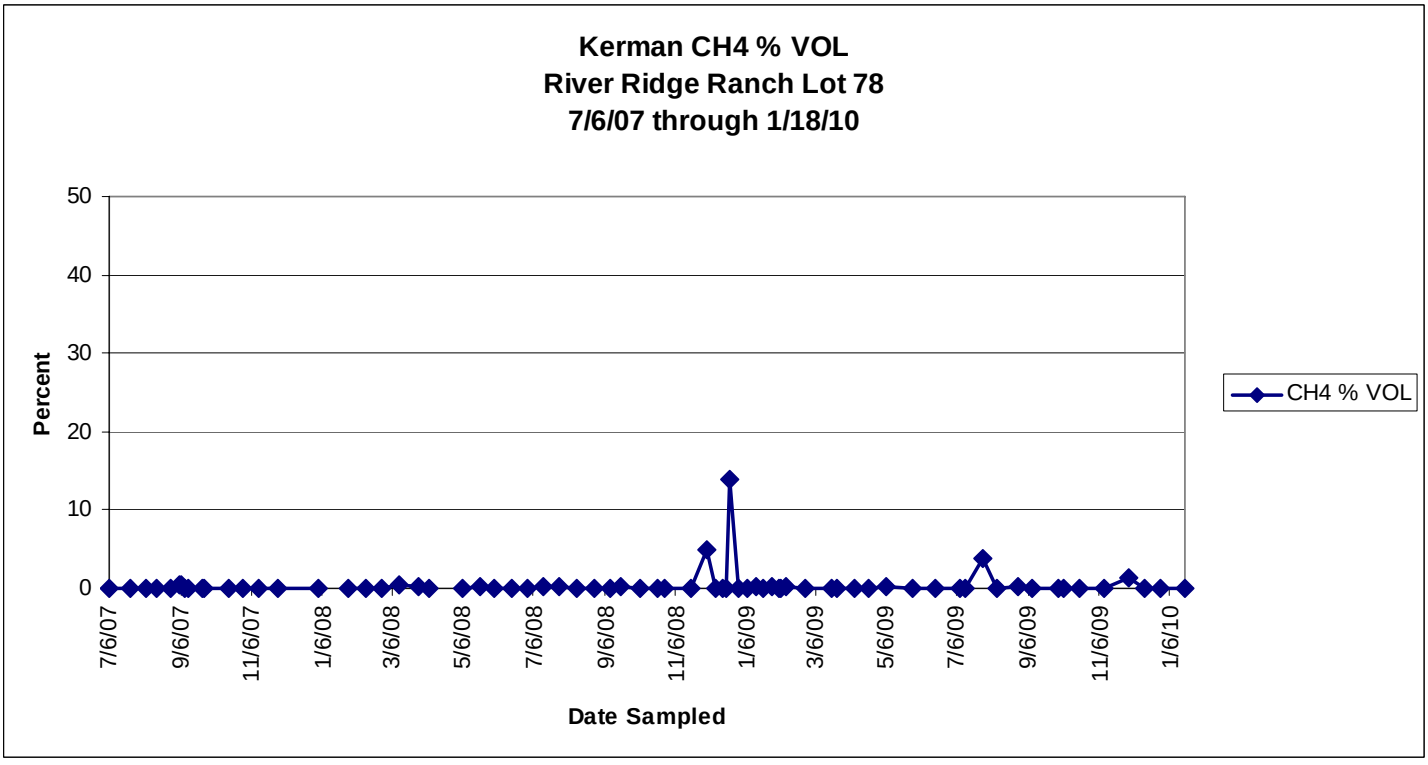

Smith Well Vent % LEL
River Ridge Ranch Lot 49
8/28/07 through 1/18/10
Percent
Date Sampled
% LEL

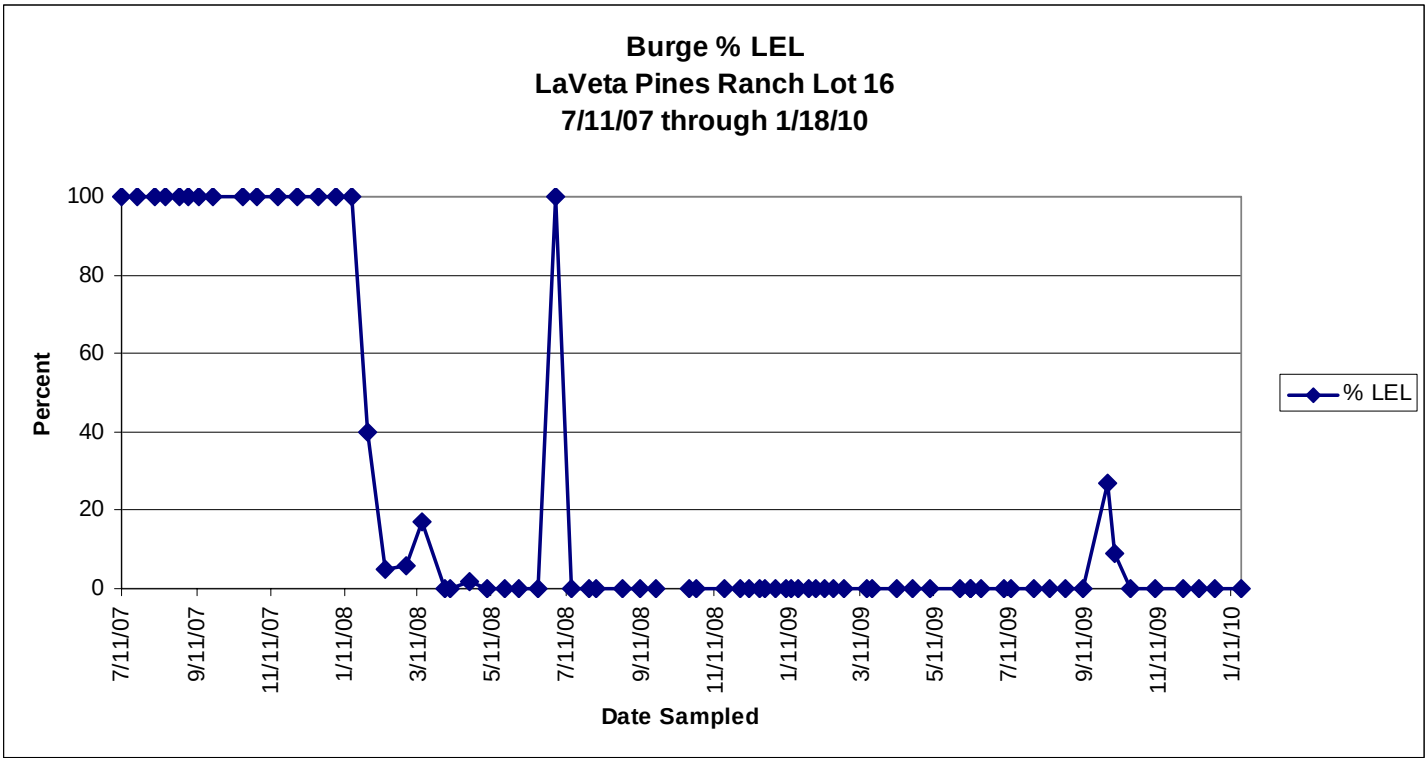

Smith Well Vent CH4 % VOL
River Ridge Ranch Lot 49
8/28/07 through 1/18/10
Percent
Date Sampled
CH4 % VOL

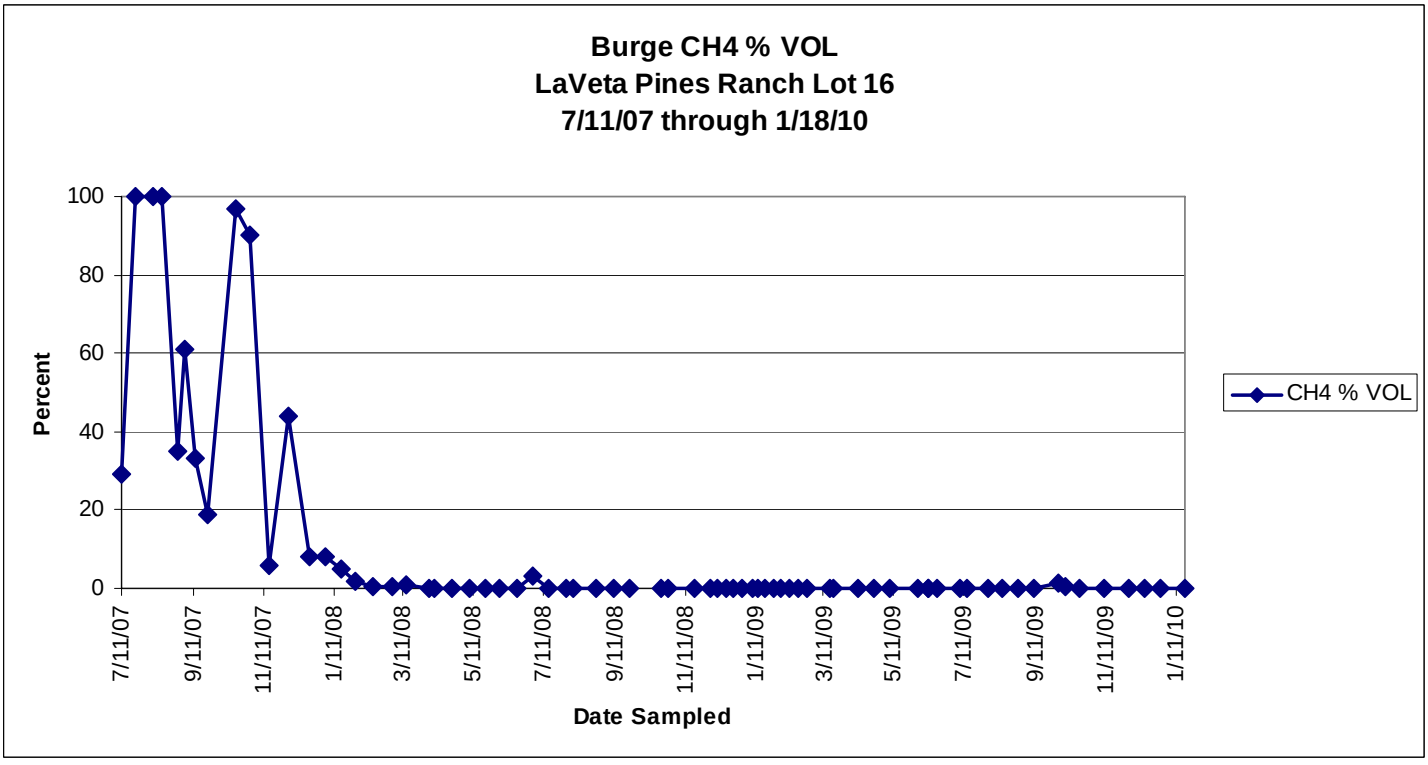

Bergman % LEL
River Ridge Ranch Lot 48
7/6/07 through 1/18/10
Percent
100
80
60
40
20
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
1/6/10
Date Sampled
% LEL


Bergman CH4 % VOL
River Ridge Ranch Lot 48
7/6/07 through 1/18/10
Percent
100
80
60
40
20
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
1/6/10
Date Sampled
CH4 % VOL


Kerman % LEL
River Ridge Ranch Lot 78
7/6/07 through 1/18/10
Percent
100
80
60
40
20
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
1/6/10
Date Sampled
% LEL


Kerman CH4 % VOL
River Ridge Ranch Lot 78
7/6/07 through 1/18/10
Percent
50
40
30
20
10
0
7/6/07
9/6/07
11/6/07
1/6/08
3/6/08
5/6/08
7/6/08
9/6/08
11/6/08
1/6/09
3/6/09
5/6/09
7/6/09
9/6/09
11/6/09
1/6/10
Date Sampled
CH4 % VOL


Burge % LEL
LaVeta Pines Ranch Lot 16
7/11/07 through 1/18/10
Percent
100
80
60
40
20
0
7/11/07
9/11/07
11/11/07
1/11/08
3/11/08
5/11/08
7/11/08
9/11/08
11/11/08
1/11/09
3/11/09
5/11/09
7/11/09
9/11/09
11/11/09
1/11/10
Date Sampled
% LEL


Burge CH4 % VOL
LaVeta Pines Ranch Lot 16
7/11/07 through 1/18/10
Percent
100
80
60
40
20
0
7/11/07
9/11/07
11/11/07
1/11/08
3/11/08
5/11/08
7/11/08
9/11/08
11/11/08
1/11/09
3/11/09
5/11/09
7/11/09
9/11/09
11/11/09
1/11/10
Date Sampled
CH4 % VOL