Petroglyph Operating Company
November 2009
Monthly Report

Covering the period of 11/1/09 through 12/10//09

Prepared for
Colorado Oil and Gas Conservation Commission

December 18, 2009

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Table of Contents

List of Tables

List of Attachments

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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 December 10, 2009. 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 eleven 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 approximately 0 MCFD on October 22, 2009, the last measurement date for the last reporting period. The no flow recording occurred on October 22 and 23 when as a result of heavy snows and recurring power outages, Petroglyph temporarily shut the system down. Upon system restart gas flows in Recovery 1 returned over the next 4-5 days to over 5 MCFD. Following this recovery, gas flows showed a slow decrease from 5.41 MCFD to 5.1 MCFD at the end of the reporting period of December 6th. 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 dropped from 0.1195 MCFD on October 22, 2009 to 0.1182 MCFD on December 6, 2009. 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 varied between a low of 0.1714 and 0.2798 MCFD, ending the period at 0.2777 on December 6th. The average pumping rate for Recovery 1 was 19.1 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.

Petroglyph has provided information to the EPA, Colorado Oil and Gas Conservation Commission (COGCC) and the Division of Water Resources to convert the Todd Masters water well to a recovery well. Water from this well will be injected back into Injection 6 Masters located in close proximity to the recovery well. Petroglyph believes that this well will yield both water and gas and make an appropriate addition to continue to reduce the methane gas in the Poison Canyon Formation. The Division of Water Resources, EPA and COGCC have issued approval for use of the Masters well as a recovery well. Petroglyph has completed the necessary equipment installation in order to begin pumping from this well; however they are waiting on the electric meter installation to start the pumping.

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 1.0 to 6.1 gpm. 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 10.1 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 had indicated approximately two months will be required to review and respond to the comments received; however this two month period has passed and EPA has not yet completed their responses to comments. The time frame for completion of the EPA responses is expected to be January or 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 three samples (Injection 5 Rohr, Recovery 1 Kittleson and Recovery 3 PEI). In addition the data disk includes the results for iron total suspended solids and total dissolved solids for Recovery 3 PEI. Six water samples were collected on November 30th for analysis of dissolved methane (Kerman, Goodwin, Sample, Paul Eddleman, Fitzner, and Stetler). The results from this sampling effort are not yet available. 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. Monitoring of the BLM well continues; however it was too muddy during this reporting period to access the well without creating additional disturbance. Past measurements have shown >100% LEL with CH4% by volume of 73 to 100 and little to no O2%. The Haupt #1 well drilled closer to the outcrop and handheld measurements around this well during this reporting period show >100% lower explosive limit, 3% CH_4 by volume and 0% volume O_2. 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.

Barrett showed a slight increase of approximately one foot from the start to the end of the reporting period while Bergman showed a slight decrease of approximately one foot from the start to the end. POCI 55 showed a slight overall rise during the period from 6227.8 ft. to 6229.1 ft. The Bruington well continues to show an upward trend in water levels with a rise of 7 feet during the reporting period from 6051.7 ft. to 6058.7 ft. Coleman showed a slight rise from 6231.7 to 6233.0 ft. Garza Vela also showed a slight rise from 6293 ft. to 6294.3 ft. The Evenden well showed two periods of sharp increase of more 20 feet followed by a decline back to more typical levels in each case the increase lasted for approximately 6-7 days. Routine levels are in the 6232 ft. to 6234 ft. range and these increases result in levels in the 6256 ft. to 6258 ft. range. The cause for this large increase is not known but could be due to the homeowner being away and limited well pumping during that period of time allowing for well recovery.

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. The pressure sensor in the Rohr 04-14 works sometimes, but not consistently. The data from the Rohr 04-14 appear to be accurate when collected. 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 are generally rising in all wells as would be expected, although the rate of rise is leveling off. Most of the production wells show elevations between 6073 and 6116 at the start of the reporting period and 6081 and 6121 at the end of the 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 and domestic wells. 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 and Bounds 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 40 minutes.

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 88 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. 0Three wellheads are no longer being sampled and are not included in the above total and will be removed from future reporting.

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 88 wellheads, 18 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 69 wellheads were sampled once, and 1 wellhead was sampled twice. Note that the wellhead sampled twice, Angely was sampled in October and November, but results were not received and reported in the last monthly report so are included with this report.

As shown on Table 3, the comparison of monitoring results for the 70 wellheads sampled during this period with previous results showed that overall gas levels at 40 wellheads had no change from the previous monitoring period measurements. Thirty seven of those 40 wellheads with no changes had no detectable methane and 3 wellheads had no change with detectable methane. 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 30 wellheads, 21 showed decreases in methane, with 3 of those only slight decreases and 9 showed increases with 4 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 33 wells showing detectable methane, 15 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. One additional well noted intersection of coal seams in the drilling logs. 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
- 4 wellheads not sampled during this reporting period
- 13 wellheads showed no change and no detectable methane gas

- 1 wellhead showed no change with detectable methane
- 5 wellheads showed increased methane with 1 of those only a slight increase
- 3 wellheads showed decreased methane levels
- Of the 9 wellheads showing detectable methane 7 wells are completed in the Poison Canyon Formation with only one known to have intersected coal from the drilling logs. 2 wells are completed in the Raton/Vermejo/Trinidad.

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
- 6 wellheads not sampled during this reporting period
- 12 wellheads showed no change and no detectable methane gas
- 1 wellhead showed no change and detectable methane
- 1 wellhead showed a slight decrease in methane levels and 1 wellhead showed a slight increase in methane levels
- Of the 3 wellheads showing detectable methane one is know to be drilled into the Raton/Vermejo with the other 2 wells 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
- 4 wellheads were not sampled during the reporting period
- 5 wellheads showed no change and no detectable methane gas
- 1 wellhead showed no change with detectable methane
- 5 wellheads showed a decrease in methane levels with 2 wellheads showing only a slight decrease
- Of the 6 wellheads showing detectable methane, 5 are known to be drilled into the Raton/Vermejo. 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
- 4 wellheads were not sampled during the reporting period
- 6 wellheads showed no change and no detectable methane
- 12 wellheads showed a decrease in methane levels with 2 of those wellheads showing only a slight decrease
- 3 wellheads showed an increase in methane levels with 2 showing only slight increase
- Of the 15 wellheads showing detectable methane, 10 are known to be drilled into the Raton/Vermejo or deeper. Completion information for the remaining 5 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 no detectable methane and no change from previous measurements

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 showed small amounts of detectable methane during this reporting period which has 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.

Public Outreach

Craig Saldin of Petroglyph attended a River Ridge Ranch Board of Managers meeting on November 21st. 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 12/10/09)							
Well Number	**TD**	**PBTD**	**Injection Tubing Depth**	**Start-up Date**	**Average Injection Rate (gpm)**	**Water Totals as of 8/23/09 (gal)**	**Notes**
Injection 01 Pascual	600	526	458	12/9/2008	1.0	528,000	
Injection 02 Gonzales	600	575	362	12/10/2008	1.1	528,000	
Injection 03 Benevides	725	629	454	12/10/2008	1.3	568,000	Decreased injection rate from 1.4 to 1.1, 8/25/09, increased to 1.3 during this reporting period
Injection 04 Rohr	675	667	455	12/9/2008	5.3	2,606,000	Decreased injection rate from 6.4 to 5.1, 8/25/09, increased to 5.3 during this reporting period
Injection 05 Rohr	750	735	458	12/10/2008	6.1	3,110,000	Decreased injection rate from 8.4 to 6.1, 8/25/09
Injection 06 Masters	725	695	438	12/10/2008	5.3	2,305,000	Decreased injection rate from 6.3 to 5.1, 8/25/09, increased to 5.3 during this reporting period
Injection 07 Walden	750	713	457	12/10/2008	1.1	470,000	
Injection 08 Haeffner	650	713	365	12/10/2008	see note	3,387	Well does not accept water very well. Inject approx. 150 gallons once every two weeks.
			Pump Depth		**Average Pump Rate (gpm)**		
Recovery 1 Kittleson	715	705	686	12/8/2008	19.10	9,282,000	Decreased pump rate from 22.5 to 19, 8/25/09.
Recovery 3 PEI	625	591	575	12/8/2008	1 (see note)	475,000	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	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	(see note)	(see note)	(see note)	Masters domestic water well #257113 converted to a recovery well. Waiting on electric meter installation to start up.

Table 2: Sampling of Dissolved Gases in Water Wells (Results as of December 10, 2009)					
	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	Methane	3300	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	
	Recovery 1 Kittleson	11/5/09	Ethene	ND	
	Recovery 1 Kittleson	11/5/09	Methane	7900	

Table 2: Sampling of Dissolved Gases in Water Wells (Results as of December 10, 2009)					
	Well	**Sample Date**	**Analyte**	**Results (In ug/l)**	**Comments**
	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 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
	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	

Table 2: Sampling of Dissolved Gases in Water Wells (Results as of December 10, 2009)					
	Well	Sample Date	Analyte	Results (In ug/l)	Comments
	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	
	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	

Table 2: Sampling of Dissolved Gases in Water Wells (Results as of December 10, 2009)					
	Well	**Sample Date**	**Analyte**	**Results (In ug/l)**	**Comments**
	Kerman, T	7/8/09	Ethene	ND	
	Kerman, T	7/8/09	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	
	Rhoads, K	2/23/09	Methane	21	
	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	
	Stephens, K	9/30/08	Methane	ND	
	Evenden, V	9/30/08	Methane	20,000	
	Evenden, V	8/26/09	Ethane	2.5	

Table 2: Sampling of Dissolved Gases in Water Wells (Results as of December 10, 2009)					
	Well	**Sample Date**	**Analyte**	**Results (In ug/l)**	**Comments**
	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	
	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	
	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	
	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 November 2009

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	11/3/09	10/14/09 and 11/3/09	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 increased from 0 to 53 • CH4% volume increased from 0 to 2.65 • O2% volume decreased from 20.9 to 20.3 • CO and H2S remained unchanged at 0 ppm
257994	Barrett	7/12/07	11/9/09	11/9/09	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 increased from 8 to 99 • CH4% volume increased 0.4 to 4.95 • O2% volume increased from 19 to 19.5 • CO and H2S remained unchanged at 0 ppm
244403	Bergman	7/6/07	11/9/09	11/9/09	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 decreased from >100 to 54 • CH4% volume decreased from 6 to 2.70 • O2% volume increased from 14.3 to 20.8 • CO and H2S remained unchanged at 0 ppm
181278	Bounds	7/12/07	11/3/09	11/3/09	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 not reported • O2% volume increased from 0 to 0.5 • CO increased from 0 to 14 ppm • H2S increased from 0 to 1 ppm
169043	Burge	3/20/09	11/9/09	11/9/09	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 decreased from 20.9 to 17.4 • CO2 and H2S remained unchanged at 0 ppm
267694	Coleman	7/5/07	11/9/09	11/9/09	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 increased from 59 to >100 • CH4% volume increased from 2.95 to 23 • O2% volume increased from 8.6 to 14 CO and H2S remained unchanged at 0 ppm
235516	Colorado Switzer	7/12/07	11/9/09	11/9/09	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.
255929	Conley	7/11/07	11/9/09	11/9/09	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.
260097	Dee	7/5/07	11/9/09	11/9/09	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.

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Water Well Measurements for the Period of November 2009

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	11/9/09	11/9/09	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 increased slightly from 6 to 7 • CH4% volume decreased from 0.3 to 0.35 • O2% volume increased from 20.7 to 20.9 • CO and H2S remained unchanged at 0 ppm At the cistern there was no change with no detectable methane, O2% at 20.9 and 0 ppm CO. H2S increased from 0 to 12.5 ppm
235515	English	8/16/07	8/24/089	None	No methane has ever been detected at this wellhead.	Reading was attempted on 11/9 but the gate was locked with no access.
16861-F	Golden Cycle Land	7/12/07	11/9/09	11/9/09	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 increased from 0 to >100 • CH4% volume increased from 0 to 17 • O2% decreased from 20.9 to 11.4 • CO increased from 0 ppm to 11 ppm • H2S increased from 0 ppm to 3 ppm
253317	Gonzalez	7/12/07	11/9/09	11/9/09	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	11/9/09	11/9/09	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 59 to 24 • 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	11/9/09	11/9/09	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 increased from 5.9 to 100 • O2% volume decreased from 8.6 to 0 • CO and H2S remained unchanged at 0 ppm 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. At the request of Mr. Houghtling the inside of the home was checked under the bathroom sink as well as kitchen sink area for any possible signs of methane in the home. Both sinks found 0% Methane and 20.9 Oxygen levels with no H2S or CO.
35292	Kerman/Hanson	7/6/07	11/9/09	11/9/09	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. The cistern values remained unchanged with no detectable methane, O2% at 20.9 and no CO or H2S.
	Lively 10-02	12/22/2008	11/9/09	11/9/09	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.	At the wellhead: • % 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

Table 3
Water Well Measurements for the Period of November 2009

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
222539	Lively	7/6/07	10/1/09	None	No methane has ever been detected at this wellhead.	Not sampled during this reporting period.
16861-F	Masters #1	8/13/07	11/9/09	11/9/09	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.
257113	Masters #2	7/6/07	11/9/09	11/9/09	Methane was typically not detected at this wellhead until July 2009. Since July 2009 low levels have been detected periodically.	• % LEL increased from 6 to 9 • CH4% volume increased from 0.3 to 0.45 • O2% decreased from 20.9 to 20.4 • CO and H2S remained at 0
271136	May	7/12/07	11/9/09	11/9/09	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.
84108-A	McPherson	7/6/07	11/9/09	11/9/09	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.
84106	Rohr	7/06/07	10/1/09	None	No methane has ever been detected at this wellhead.	Not sampled during this reporting period.
123144	Searle	7/11/07	11/9/09	11/9/09	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.
239657	Smith	7/5/07	11/9/09	11/9/09	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 increased from 27 to 54 • O2% volume decreased from 14 to 8.1 • 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	10/19/09	None	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.	Sampling attempted 11/10/09 but location was too muddy.
Wells Within or in Close Proximity to River Ridge Ranch Subdivision						
249362	Andexler	9/9/07	11/9/09	11/9/09	Several readings (3/25/09, 7/30/09 and October 2009) have shown less the 0.25% CH4 methane, otherwise no detectable methane.	At the well head: • % LEL decreased from 5 to 0 ppm • CH4% decreased from 0.25 to 0 • O2% increased from 13.3 to 20.9 • CO and H2S remained at 0 ppm 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	11/9/09	11/9/09	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.
248680	Campbell	8/14/07	11/9/09	11/9/09	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.
270552	Chaves	9/9/07	10/19/09	None	No methane has ever been detected at this wellhead.	No longer sampled. Will be dropped from the list on next monthly report.
20783	Goemmer Cattle	7/12/07	10/1/09	None	No methane has ever been detected at this wellhead.	Not sampled during this reporting period.
258815	Goodwin	7/12/07	11/9/09	11/9/09	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 increased from 0 to 9 ppm • CH4% increased from 0 to 0.45 • O2% decreased from 20.9 to 20.3 • CO and H2S remained at 0 ppm
	Haynes	5/5/09	6/4/09	None	No methane has ever been detected at this wellhead.	No longer sampled. Will be dropped from the list on next monthly report.

Table 3
Water Well Measurements for the Period of November 2009

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
249181	Hentschel	9/9/07	11/9/09	11/9/09	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.
259122	Higgins	9/26/07	11/10/09	11/10/09	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.
269435	Hoppe (formerly Goacher)	7/11/07	10/19/09	None	No methane has ever been detected at this wellhead	Not sampled during this reporting period.
264581	Ireland	7/12/07	11/9/09	11/9/09	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.	Not sampled during this reporting period.
93386	Lowry	7/12/07	10/1/09	None	No methane has ever been detected at this wellhead.	Not sampled during this reporting period.
250369	Martin	7/12/07	11/9/09	11/9/09	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.
248862	Meyer	8/14/07	11/9/09	11/9/09	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 remained unchanged at 34 • O2% volume increased from 11.1 to 12.6 • CO and H2S remained at 0
192203	Rankins	7/12/07	10/1/09	None	No methane has ever been detected at this wellhead.	Not sampled during this reporting period.
276994	Rhodes	9/9/08	11/9/09	11/9/09	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 showed a very slight decrease from 20.9 to 20.6.
274468	Roloff	9/9/07	10/1/09	None	No methane had ever been detected at this wellhead except for low levels detected in the 8/25/09 measurement.	Reading attempted 11/9/09 but gate was locked with no access.
254577	Ryerson	9/9/07	11/9/09	11/9/09	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.
246775	Sharp	9/9/07	11/9/09	11/9/09	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.
267695	Speh	9/4/07	11/9/09	11/9/09	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.
230572	Willis	7/11/07	11/9/09	11/9/09	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.
240947	Wolahan	7/12/07	11/9/09	11/9/09	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	11/9/09	11/9/09	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.
197472	Williams/Bartlett	8/15/07	10/1/09	None	No methane has ever been detected at this wellhead.	Not sampled during this reporting period.
210526	Bruington	8/7/07	11/9/09	11/9/09	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 decreased from >100 to 33 • CH4% volume decreased from 7 to 2 • O2% volume increased from 15.1 to 19.8 • CO and H2S remained unchanged 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.

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Water Well Measurements for the Period of November 2009

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
220100	Cordova	10/30/07	11/9/09	11/9/09	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	11/9/09	11/9/09	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	11/9/09	11/9/09	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	11/9/09	11/9/09	No methane has ever been detected at this wellhead.	No changes 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	11/9/09	11/9/09	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 decreased from >100 to 21 • CH4% volume decreased from 36 to 1.05 • O2% volume increased from 12.1 to 20.9 • 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	11/9/09	11/9/09	There have been 7readings from this wellhead. All readings but one have shown % LEL at >100 with CH4 % by volume at 11 or less.	• % LEL remained at >100 • CH4% volume decreased from 7 to 3 • O2% volume decreased from 1.3 to 0 • CO remained at 0 ppm • H2S decreased from 3.5 to 2.5 ppm
203536	Hurley	8/2/07	10/20/09	None	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.	Not sampled during this reporting period.
205195	Johnson	8/15/07	11/9/09	11/9/09	Readings have shown mostly low values of methane (% LEL less than 20 and CH4 % by volume less than 1) with some 0 values.	At the wellhead: • % LEL decreased from 59 to 0 • CH4% volume decreased from 2.95 to 0 • O2% volume increased from 13.4 to 20.9 • CO remained unchanged at 0 ppm • H2S decreased from 3.5 to 0 ppm Reading at the cistern showed no detectable methane, O2% volume at 20.9 and no CO or H2S. At the #2 well: • % LEL remained unchanged at >100 • CH4% volume remained unchanged at 5 • O2% volume remained unchanged at 0 • CO remained unchanged at 0 ppm • H2S increased from 0 to 3.5 ppm

Table 3
Water Well Measurements for the Period of November 2009

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
193520X	McEntee	8/2/07	11/9/09	11/9/09	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: • % LEL decreased from 7 to 0 • CH4% volume decreased from 0.35 to 0 • O2% volume increased from 18.5 to 20.9 • CO and H2S remained unchanged at 0 ppm At the 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 11/9/09 but gate was locked with no access to well.
121013	Schafer	8/15/07	10/1/09	None	No methane has ever been detected at this wellhead	Not sampled during this reporting period.
248983	Tobyas	8/3/07	11/10/09	11/10/09	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 slightly from 34 to 33 • O2% volume increased slightly from 11.1 to 13.8 • CO and H2S remained at 0 ppm
Silver Spurs Ranch						
268180	Billstrand	8/12/08	11/10/09	11/10/09	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. O2% volume decreased from 20.9 to 14.9.
215807	Brown	12/8/08	11/6/09	11/6/09	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.
222294	Cramer	8/3/07	11/6/09	11/6/09	Most methane readings have been at or near 0 with periodic higher readings.	At the wellhead: • % LEL decreased from >100 to 23 • CH4% volume decreased from 5.00 to 1.15 • O2% volume decreased slightly from 3.9 to 3.8 • CO increased from 45 to 95 ppm • H2S decreased from 3.5 to 2.5 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	11/6/09	11/6/09	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 >100 to 5 • CH4% decreased from 17 to 0.25 • O2% volume increased from 0 to 18.6 • CO decreased from 17 to 0 ppm • H2S decreased from 1.5 to 0 ppm
226536	Eddleman, Todd	1/17/08	11/6/09	11/6/09	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 37 to 17 • CH4% decreased from 1.85 to 0.85 • O2% volume increased from 5.6 to 15.3 • CO and H2S remained at 0 ppm
221465	Evenden	8/2/07	11/10/09	11/10/09	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 increased from 0 to 6 • CH4% increased from 0 to 0.30 • O2% volume decreased from 20.9 to 12.9 • 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.

Table 3
Water Well Measurements for the Period of November 2009

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
214145A	Fitzner	11/18/08	11/10/09	11/10/09	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 decreased from >100 to 0 • CH4% decreased from 5.00 to 0 • O2% volume increased from 0 to 20.9 • CO and H2S remained at 0 ppm .
31935	Garza-Vela	1/30/08	11/4/09	11/4/09	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	10/19/09	None	No methane has ever been detected at this wellhead.	Not sampled during this reporting period.
246350	Gumpert	7/29/08	11/6/09	11/6/09	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 60 to 39 • CH4% decreased from 3.00 to 1.95 • O2% volume increased from 3.2 to 3.8 • CO increased from 0 to 95 ppm • H2S increased from 0 to 2.5 ppm
196371	Lyon	8/15/07	11/6/09	11/6/09	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 41 to 28 • CH4% volume decreased from 2.05 to 1.40 • O2% volume increased from 0.8 to 12.4 • CO and H2S remained unchanged at 0 ppm
271524-A	Modlish	1/30/08	11/4/09	11/4/09	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 decreased from 5 to 0 • CH4% volume decreased from 0.25 to 0 • O2% volume increased from 2.7 to 20.9 • H2S remained unchanged at 0 ppm • CO decreased from 30 to 0 ppm
28093MH	Morine	9/10/08	11/10/09	11/10/09	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	10/20/09	None	Methane readings swing widely between 0 and 100 % LEL and 0.00 and 5.00 % CH$ by volume.	Not sampled during this reporting period.
190327	Palmer	8/12/08	11/6/09	11/6/09	No methane was ever been detected at this wellhead until low levels were detected in 10/19/09 and 11/6/09 readings.	• % LEL increased slightly from 5 to 6 • CH4% volume increased slightly from 0.25 to 0.30 • O2% volume increased from 0 to 4.4 • CO remained unchanged at 0 ppm • H2S decreased from 0.5 to 0 ppm
197128	Roberts	4/08/08	11/6/09	11/6/09	Methane readings have historically been widely variable from 0 to >100% LEL and 5% by volume CH4.	• % LEL decreased from 29 to 15 • CH4% volume decreased from 1.45 to 0.75 • O2% volume decreased from 9.4 to 5.9 • CO increased from 0 to 3 ppm • H2S decreased from 1 to 0 ppm
271748	Sample	3/10/08	11/4/09	11/4/09	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 decreased from 27 to 0 • CH4% volume decreased from 1.35 to 0 • O2% volume increased from 2.6 to 20.9 • CO decreased from 15 to 0 • H2S remained unchanged at 0 ppm

Table 3
Water Well Measurements for the Period of November 2009

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
192144	Snow	8/2/07	11/6/09	11/6/09	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 >100 to 8 • CH4% volume decreased from 5.00 to 0.4 • O2% volume increased from 3.4 to 5.9 • CO increased from 0 to 3 ppm • H2S remained at 0
213070	Stephens	8/12/08	11/10/09	11/10/09	No methane had ever been detected at this wellhead until low levels were detected on 10/19/09.	• % LEL decreased from 5 to 0 • CH4% volume decreased from 0.25 to 0 • O2% volume increased from 0 to 19.5 • CO remained at 0 ppm • H2S increased from 0 to 1.5 ppm
233286A	Stetler	3/17/09	11/4/09	11/4/09	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 increased from 57 to 69 • CH4% volume increased from 2.85 to 3.45 • O2% volume decreased from 17.9 to 15.3 • CO increased from 0 to 18 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.	Not sampled during this reporting period, gate locked with no access to wellhead.
234839	Waltz	8/12/08	11/10/09	11/10/09	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	11/6/09	11/6/09	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.	No changes from previous measurement with 0% LEL, no detectable methane, O2% volume at 20.9 and CO and H2S at 0 ppm.
219376	White, Orlie	8/2/07	11/10/09	11/10/09	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 decreased from >100 to 0 • CH4% volume decreased from 5.00 to 0 • O2% volume increased from 0 to 20.9 • CO and H2S remained unchanged at 0 ppm
	Wyland, Rich	9/10/09	10/19/09	None		No longer being sampled and will be removed in next monthly report.
Black Hawk Ranch						
218719	Goza	1/14/09	11/4/09	11/4/09	No methane has ever been detected at this wellhead.	No change from previous measurement with zero detectable methane, O2% volume at 20.9 and no detectable CO and H2S.

Table 4 Methane Readings Schedule (30 October 2009)							
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			
Masters #2	River Ridge	X		X			
Coleman	River Ridge			X			
BLM 15-12	La Veta Pines				X		
Lively 10-02	River Ridge			X			

Table 4 Methane Readings Schedule (30 October 2009)							
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 (30 October 2009)							
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 (30 October 2009)							
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		

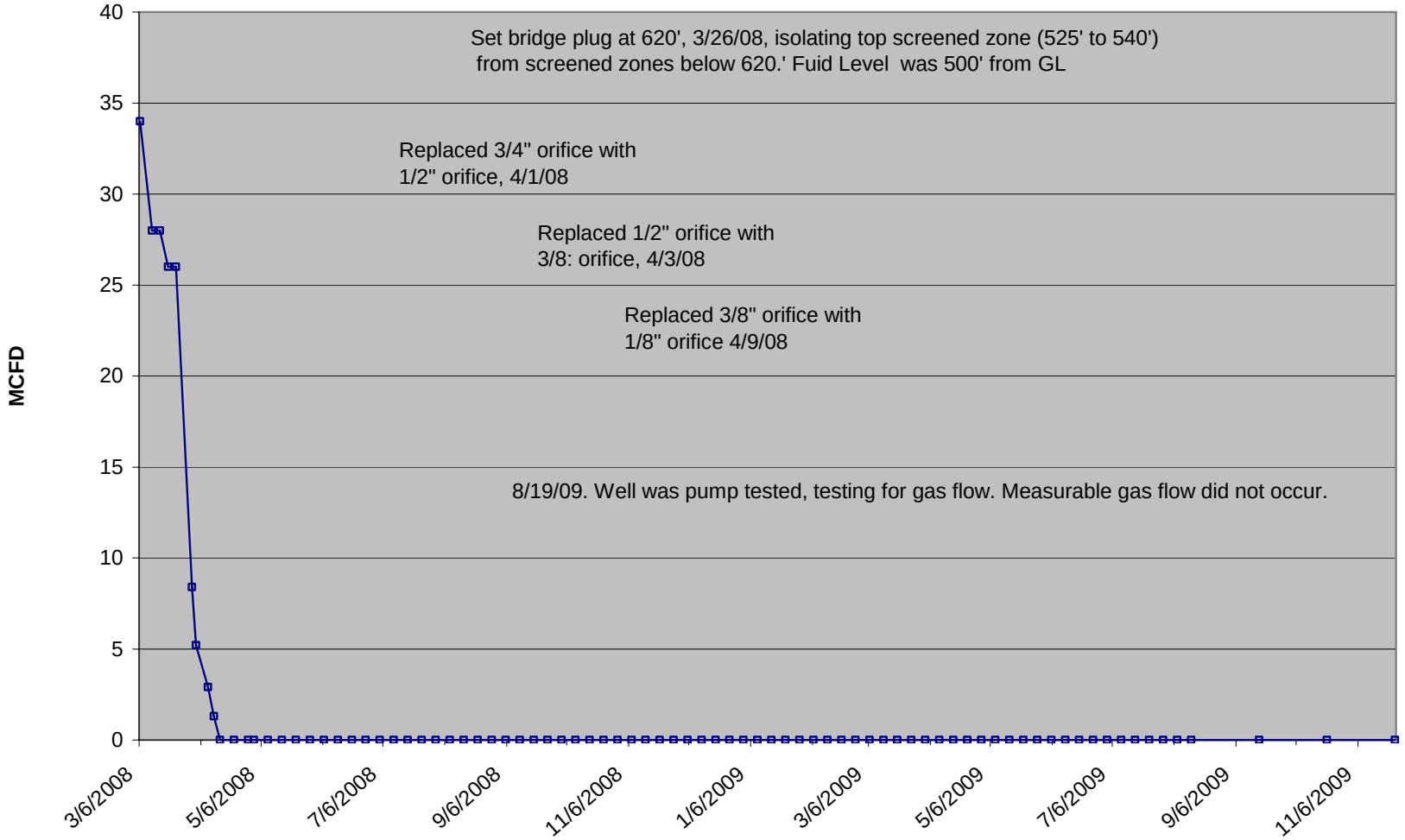
Rohr will be checked Quarterly with Rankin, Lowry, and Goemmer Cattle.
Garbs, Salazar, Wyland, Chaves and Haynes have been removed at request of landowner.
John Fischer location is a mine vent. If possible vent will be monitored with RMLD quarterly.

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 9

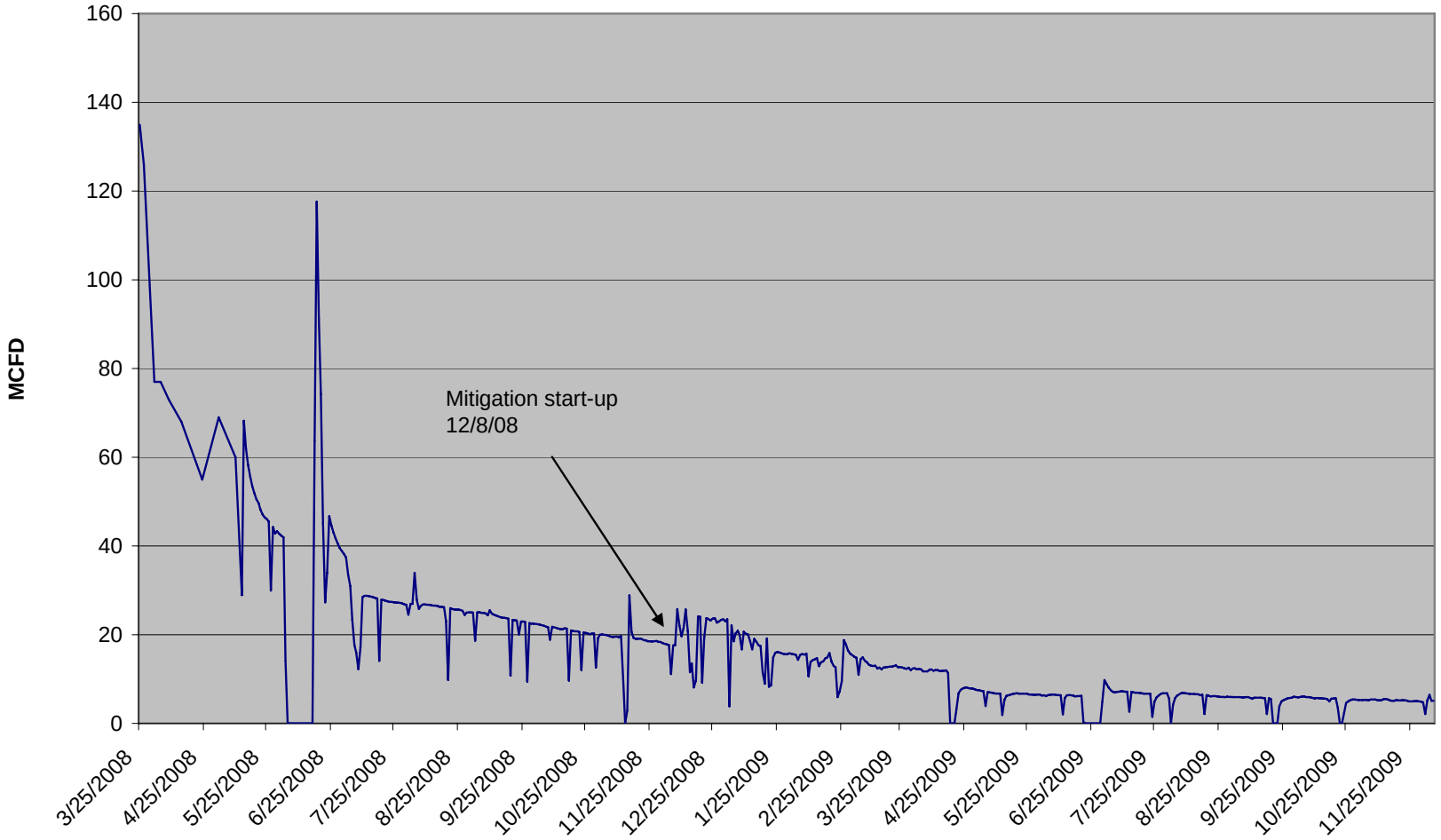
No new residences have been added during this reporting period.

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

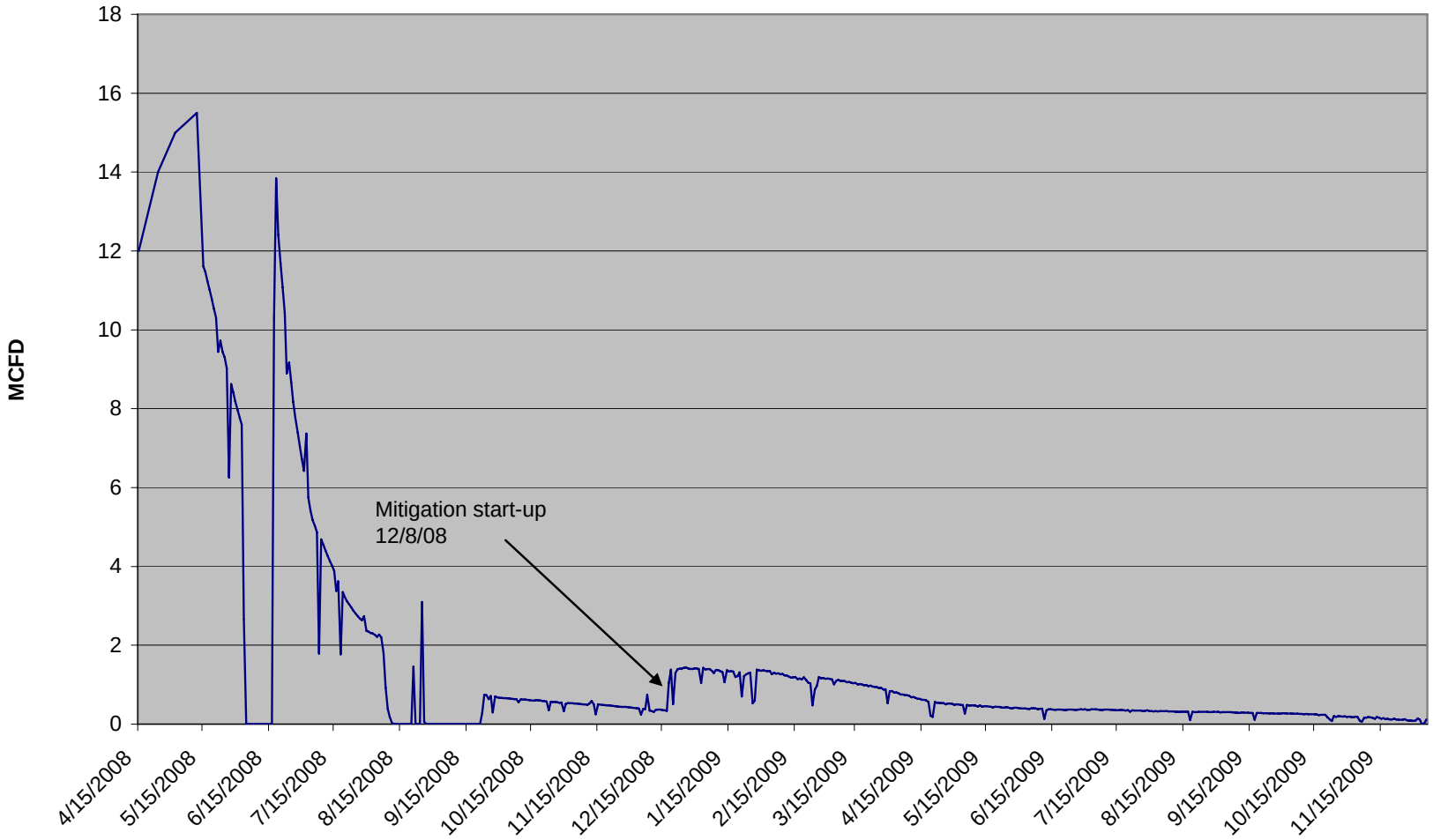
POCI 55 MW Gas Flow from 3/6/08 to 11/24/09



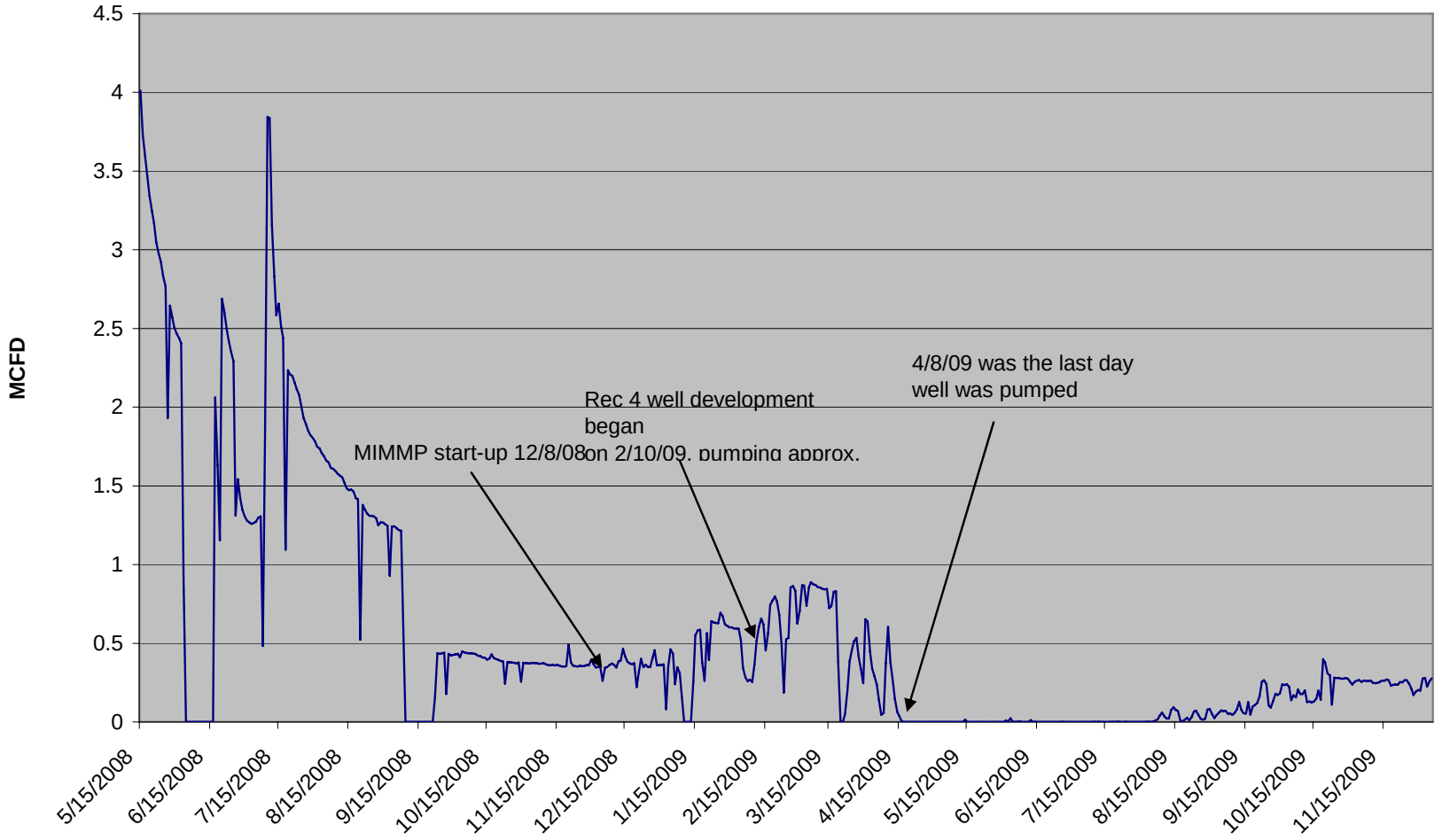
Recovery 1 Kittleson Gas Flow
from 3/25/08 to 12/6/09



Recovery 3 PEI Gas Flow
from 4/15/08 to 12/06/09

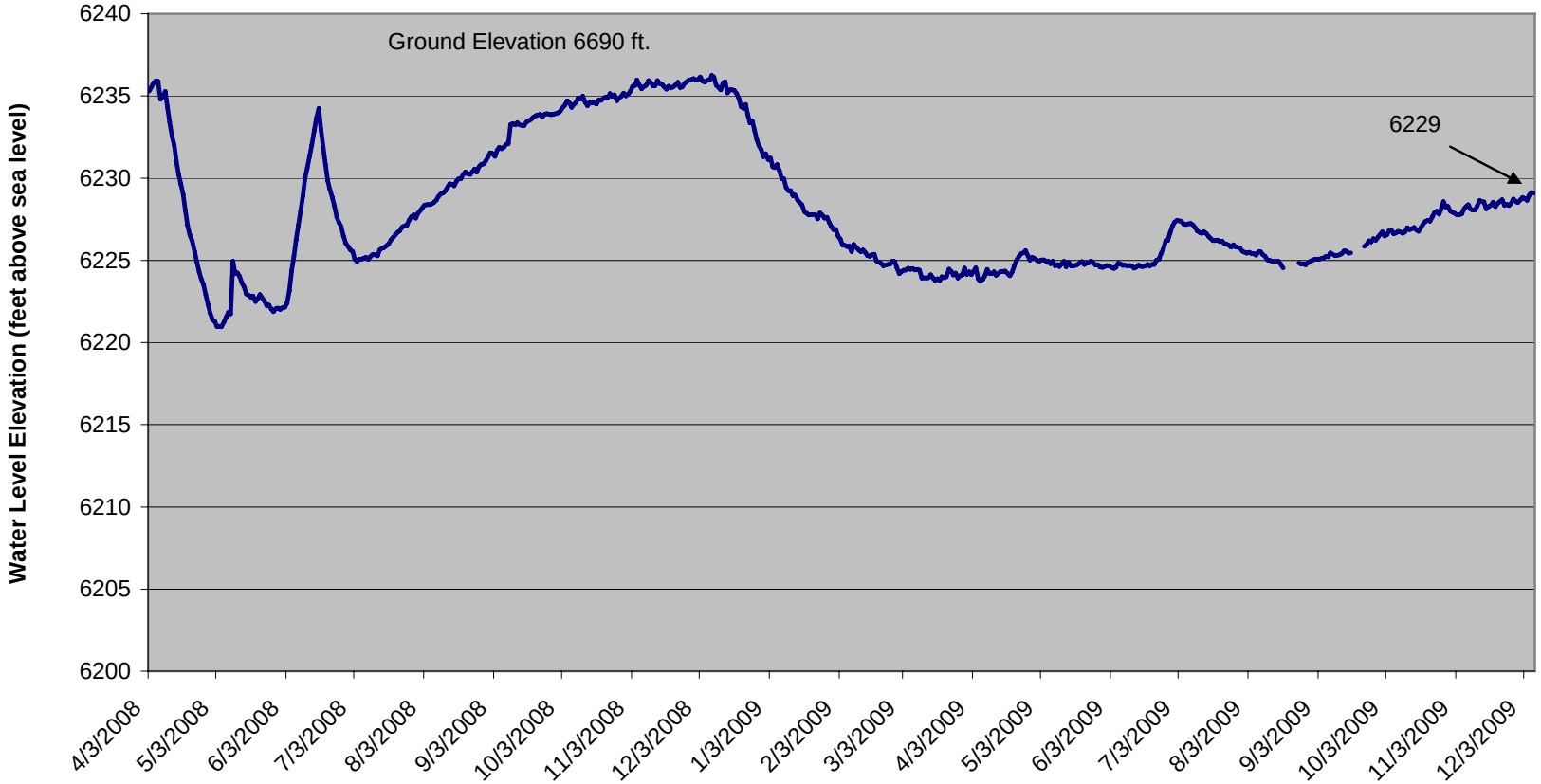


**Recovery 4 Barrett Gas Flow
from 5/15/08 to 12/6/09**

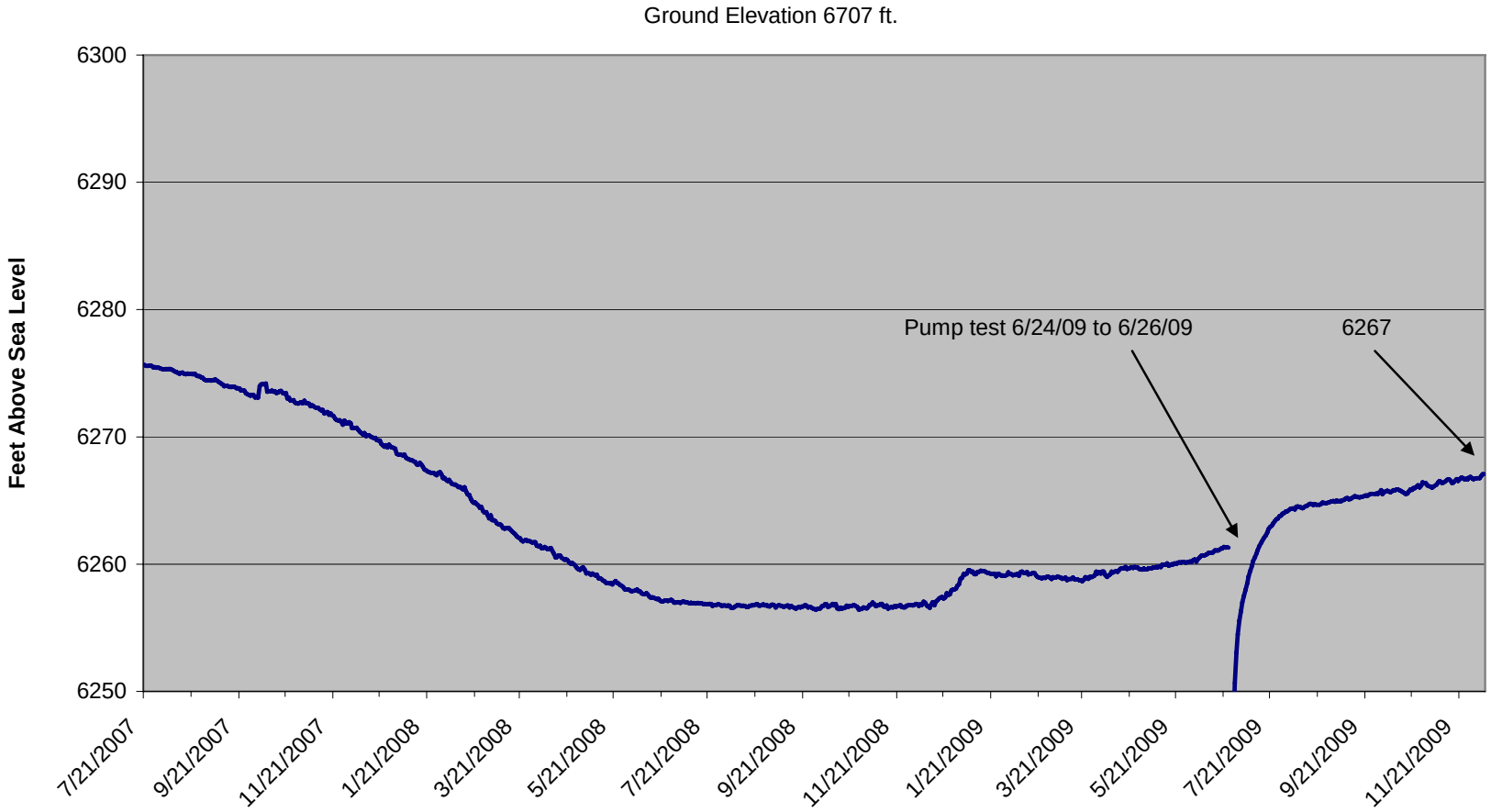


Attachment 2
Graphs of Pressure and Fluid Level Data From
POCI 55, Barrett, Bergman, Bruington, Coleman, Evenden, Garza-Vela and Meyer

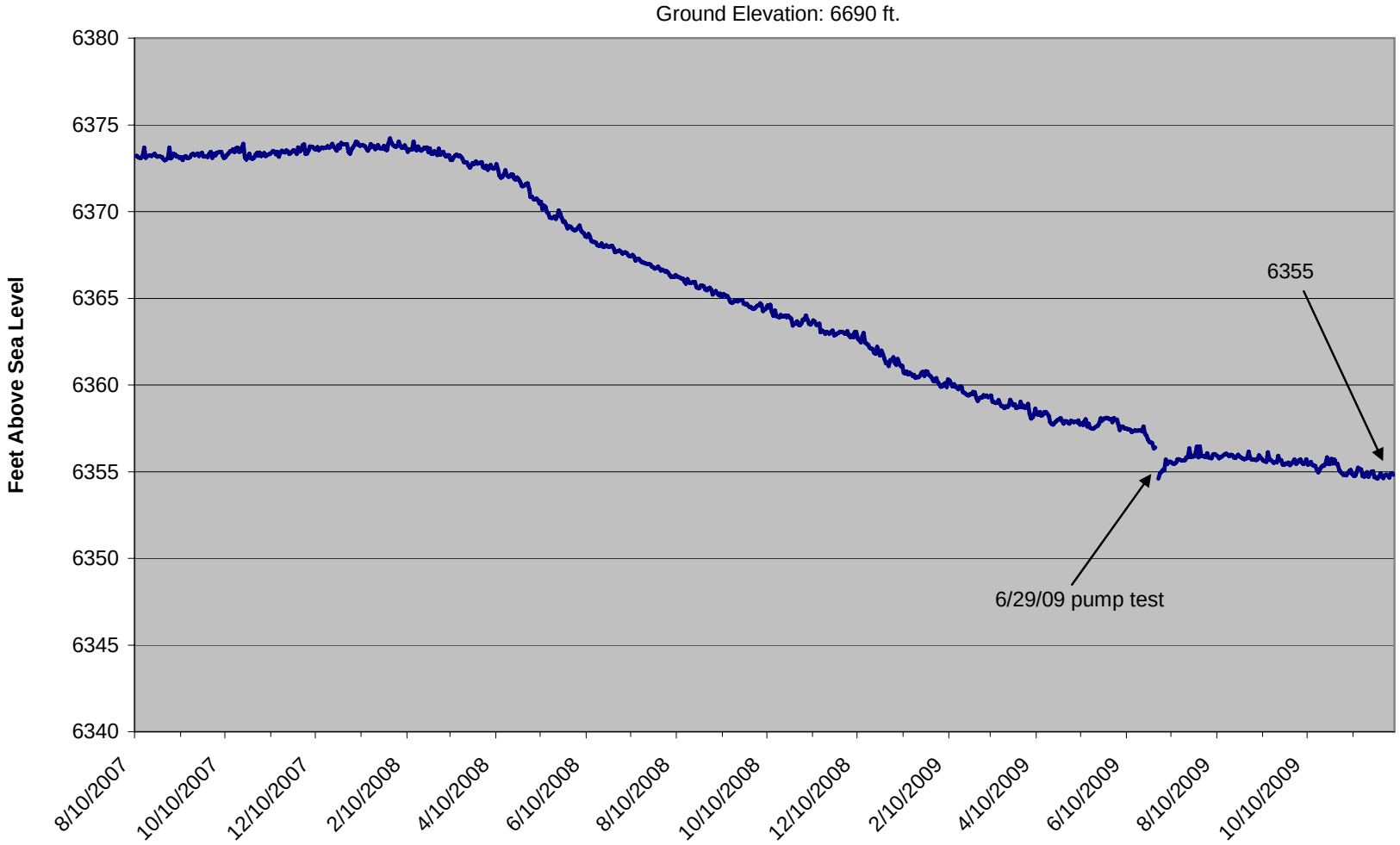
POCI 55 Monitor Well,
Static Water Level Elevation
from 4/2/08 to 12/7/09
Permit # 275819
Lot 55 RRR, SE SW Sec 3 29S 67W, GL elev. 6690'



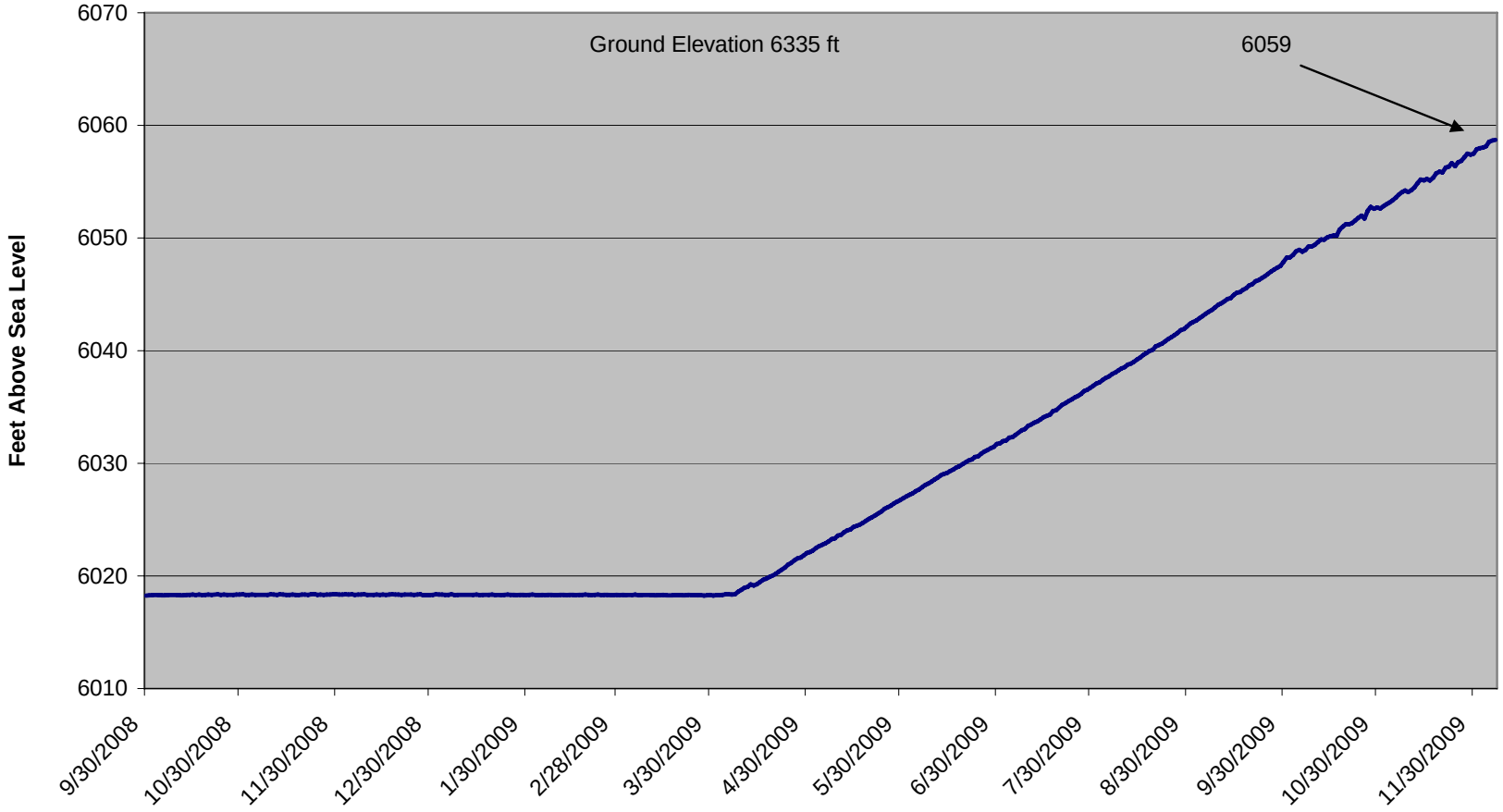
Barrett WW
Static Water Level from 7/21/07 to 12/7/09
Permit # 257994
Lot 57 RRR



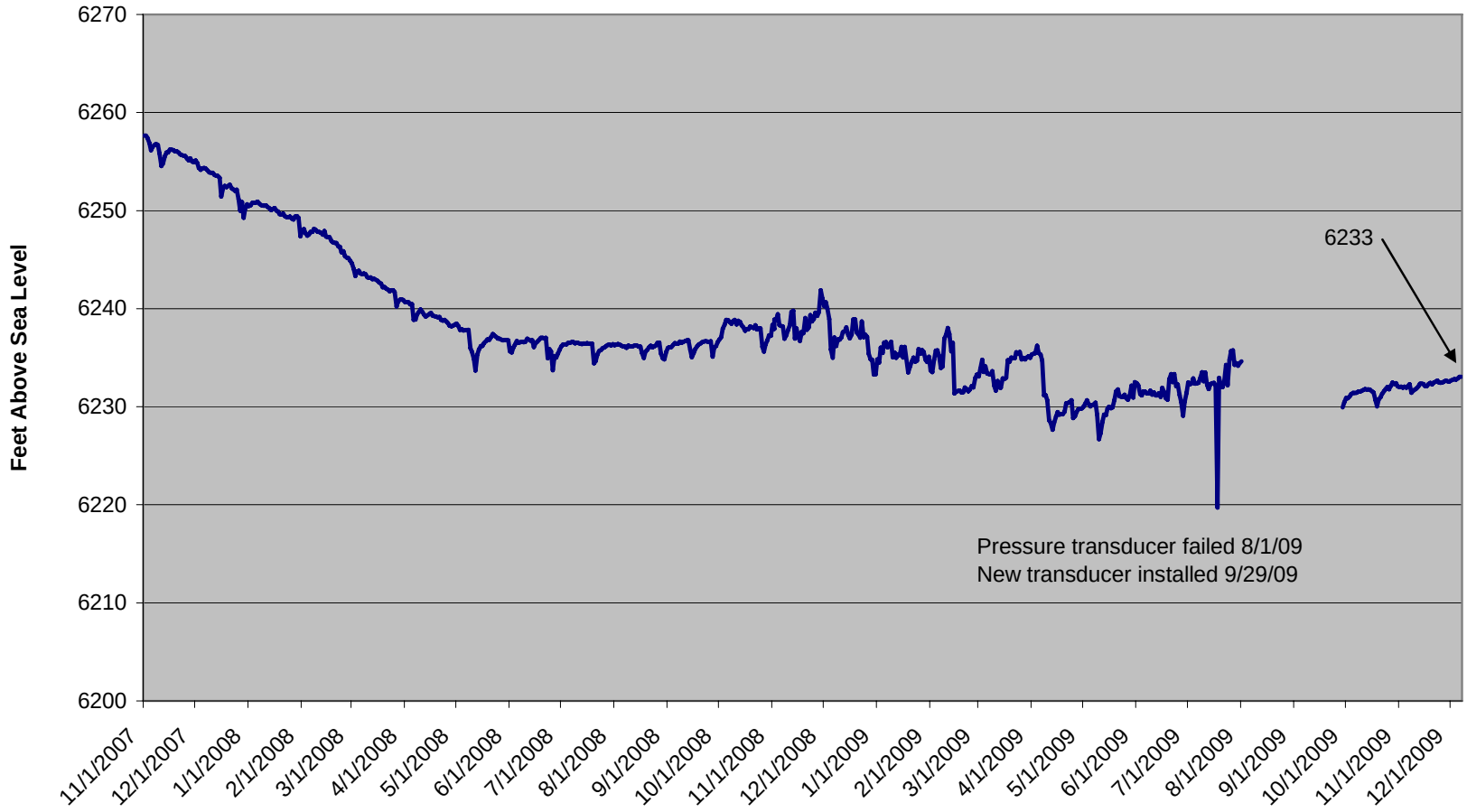
Bergman WW, Static Water Level from 8/10/07 to 12/7/09
Permit # 244403, Lot 48 RRR



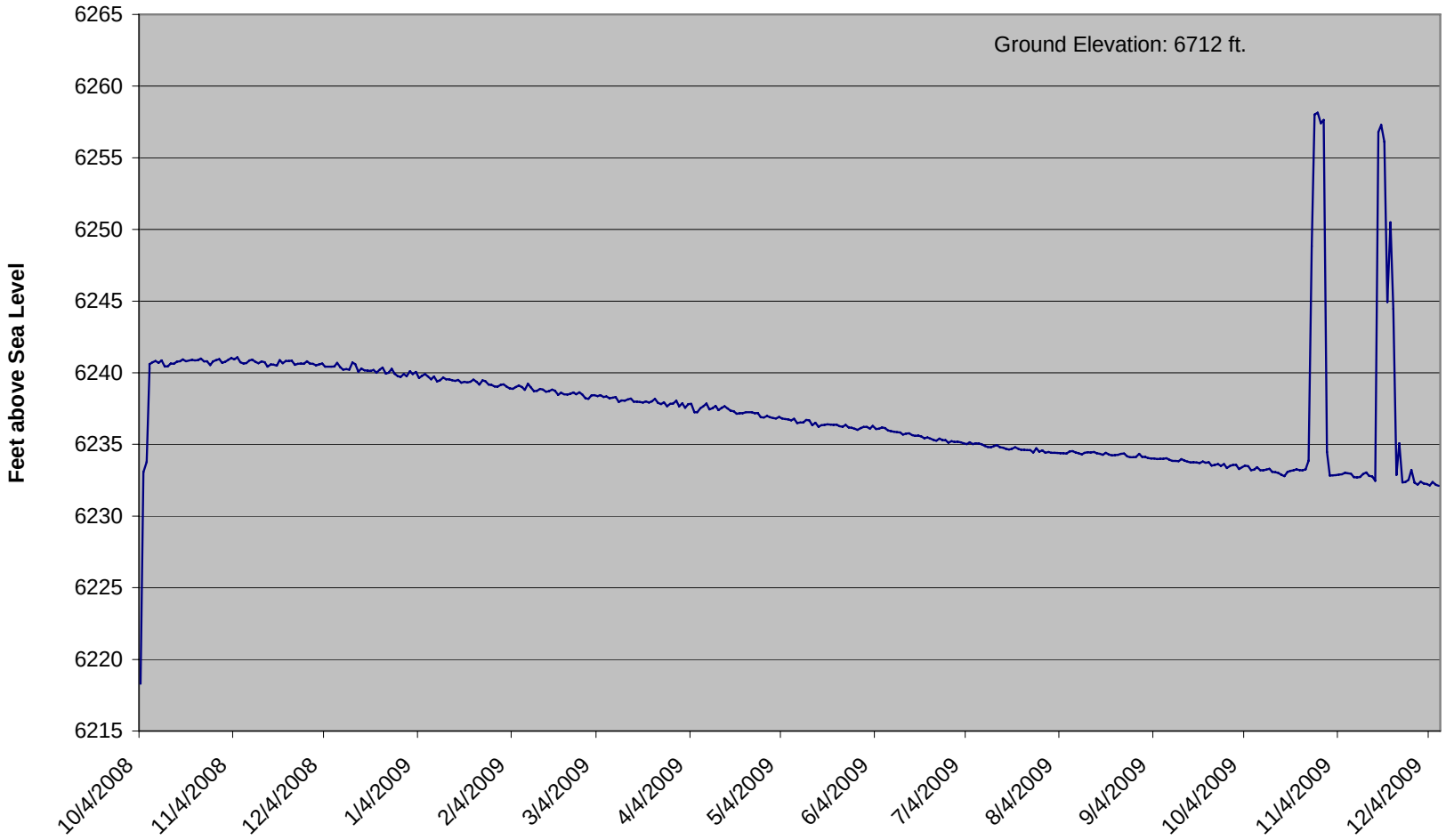
Bruington WW, Permit # 210526, City Ranches Lot 15
Static Water Level
from 9/30/08 to 12/7/09



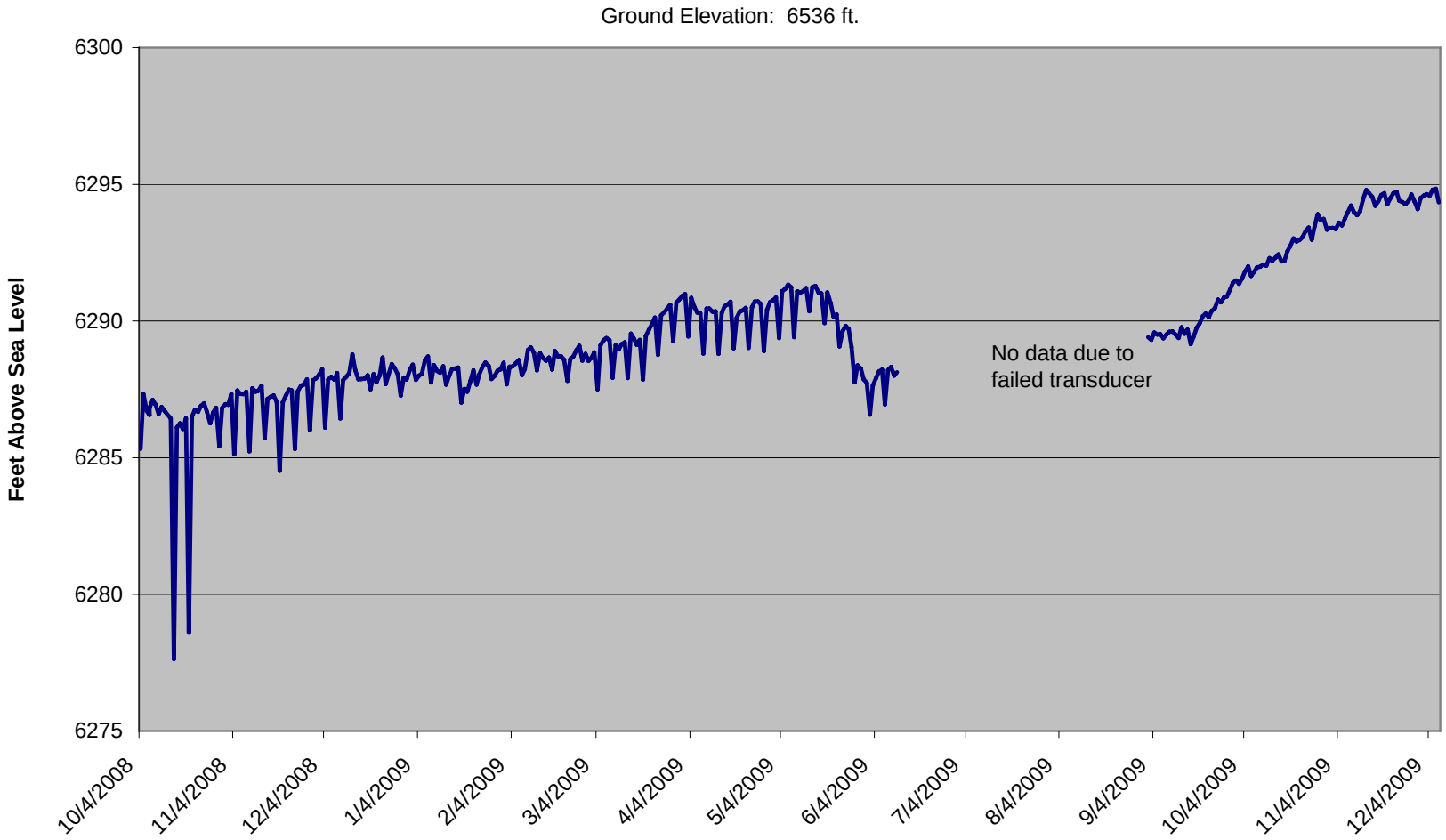
Coleman WW, Water Level from 11/1/07 to 12/7/09
Permit # 267694 Lot 70 RRR
G.L. elev. 6848'



Evenden WW Permit # 221465
Static Water Level from 10/3/08 to 12/7/09

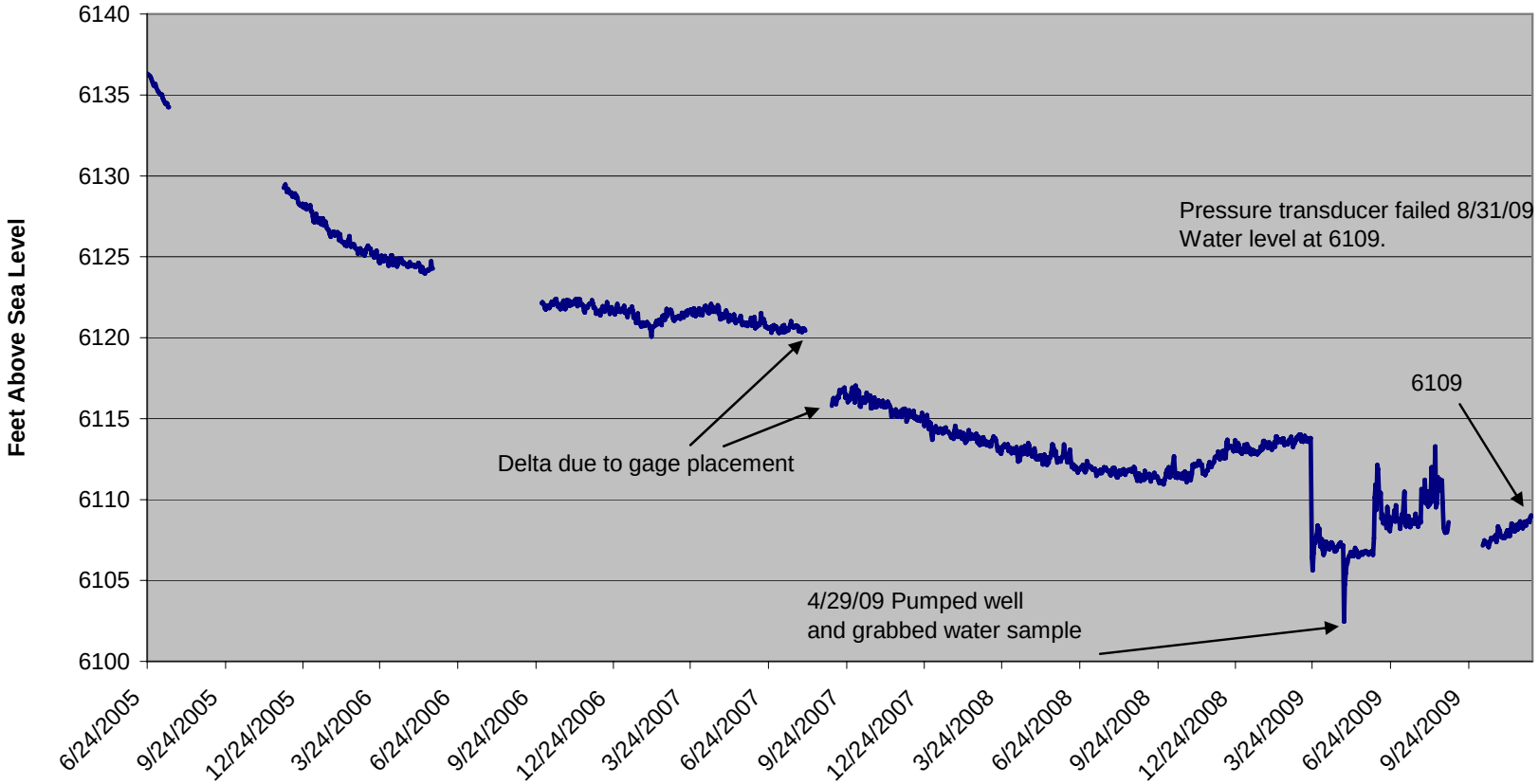


Garza WW, Water Level from 10/3/08 to 12/7/09
Permit # 206886, Lot 60 Silver Spurs Ranch



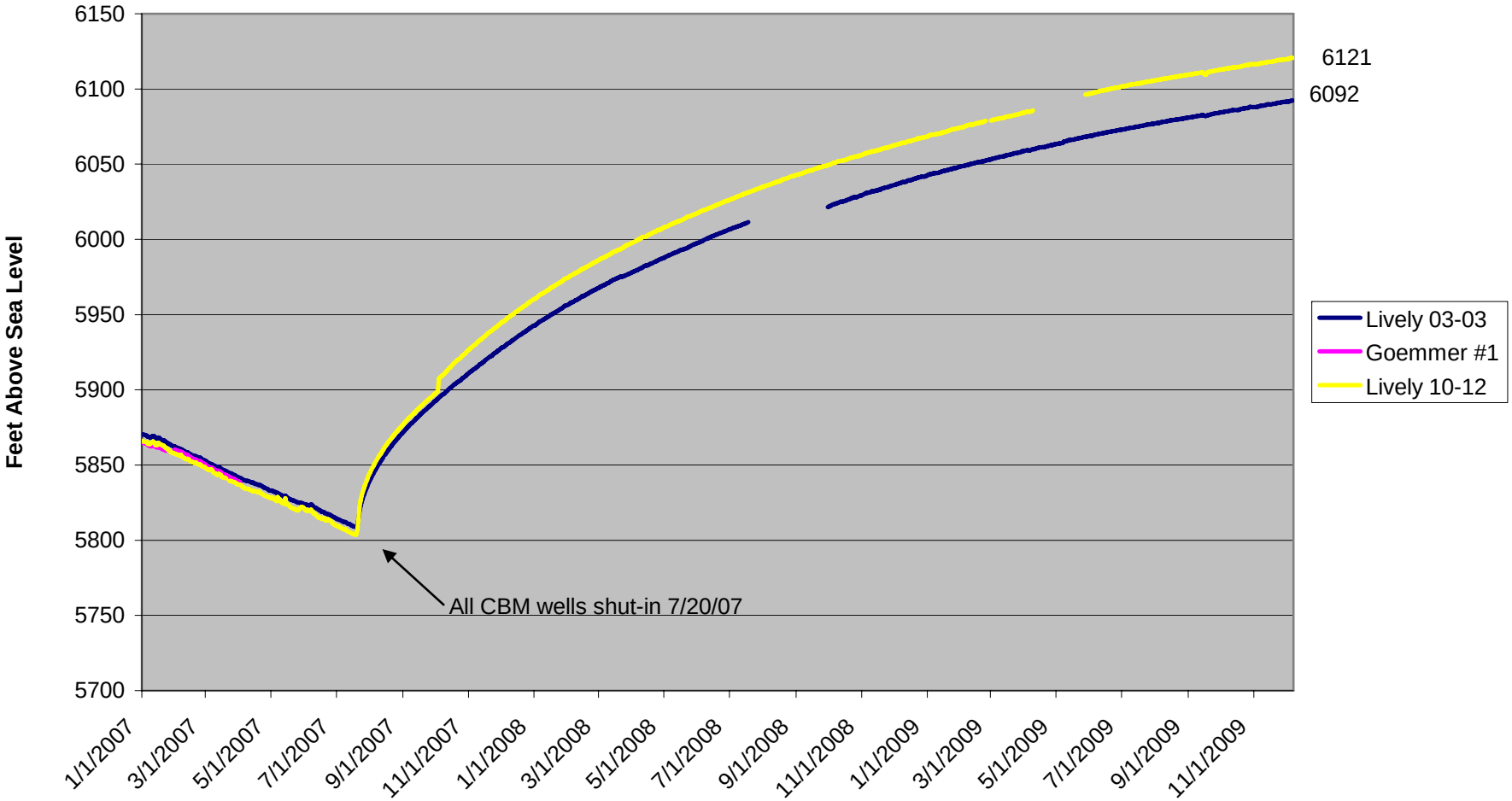
Meyer WW Permit # 248862
Static Water Level
from 6/24/05 to 12/7/09

Ground Elevation: 6575 ft.

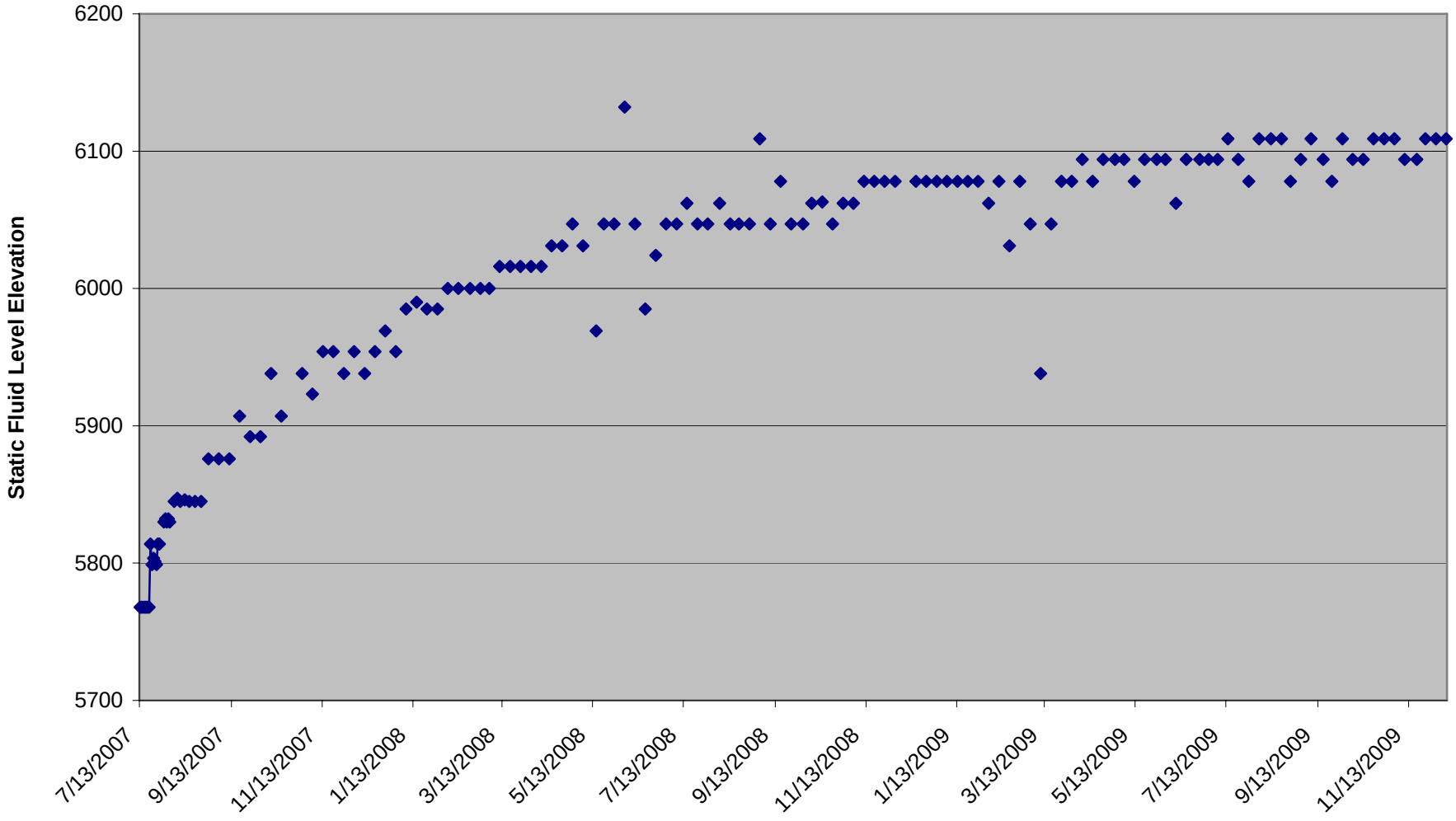


Attachment 3
Fluid Levels in Petroglyph Production Wells

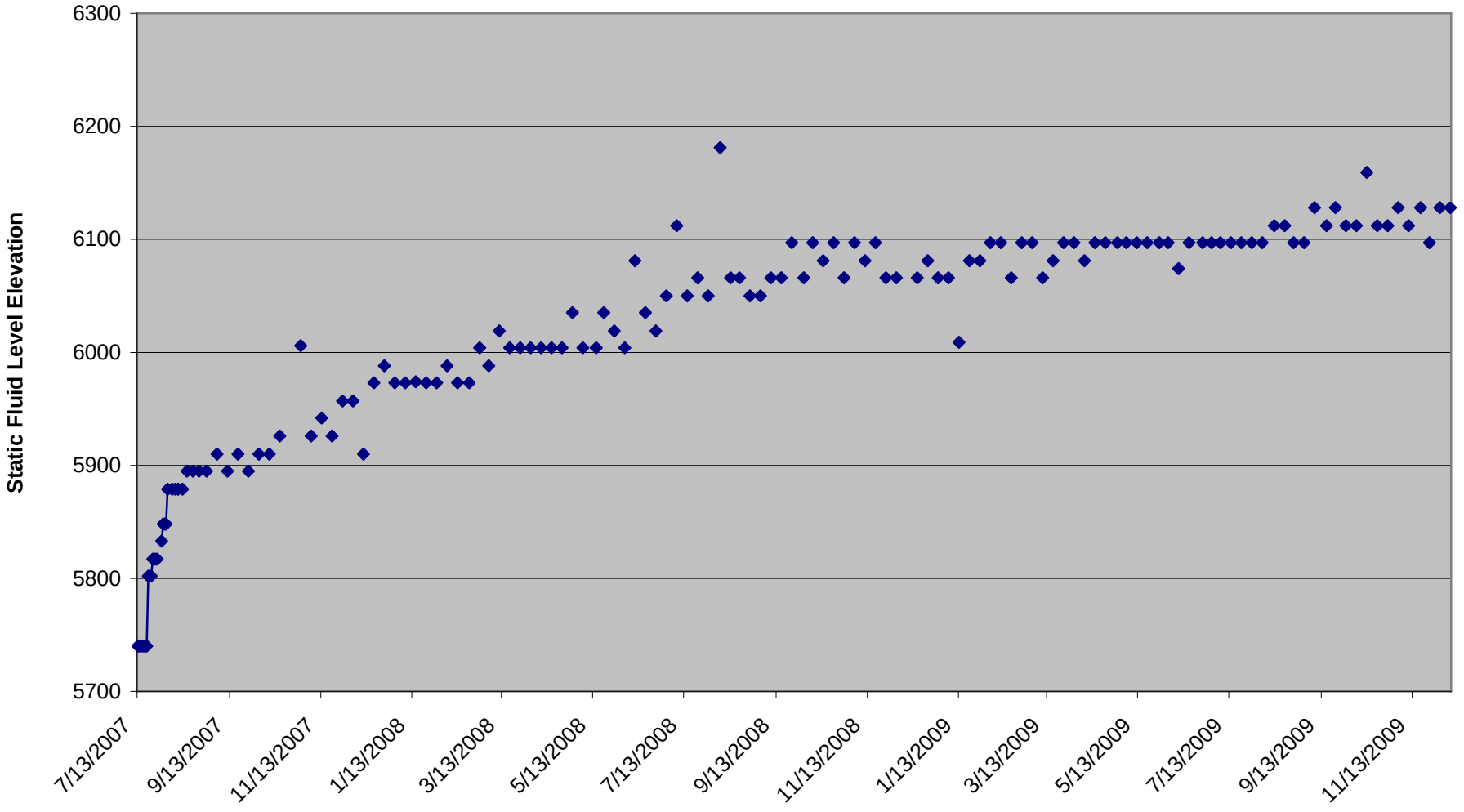
Vermejo/Trinidad Monitor Wells
Static Water Level
from 1/1/07 to 12/7/09



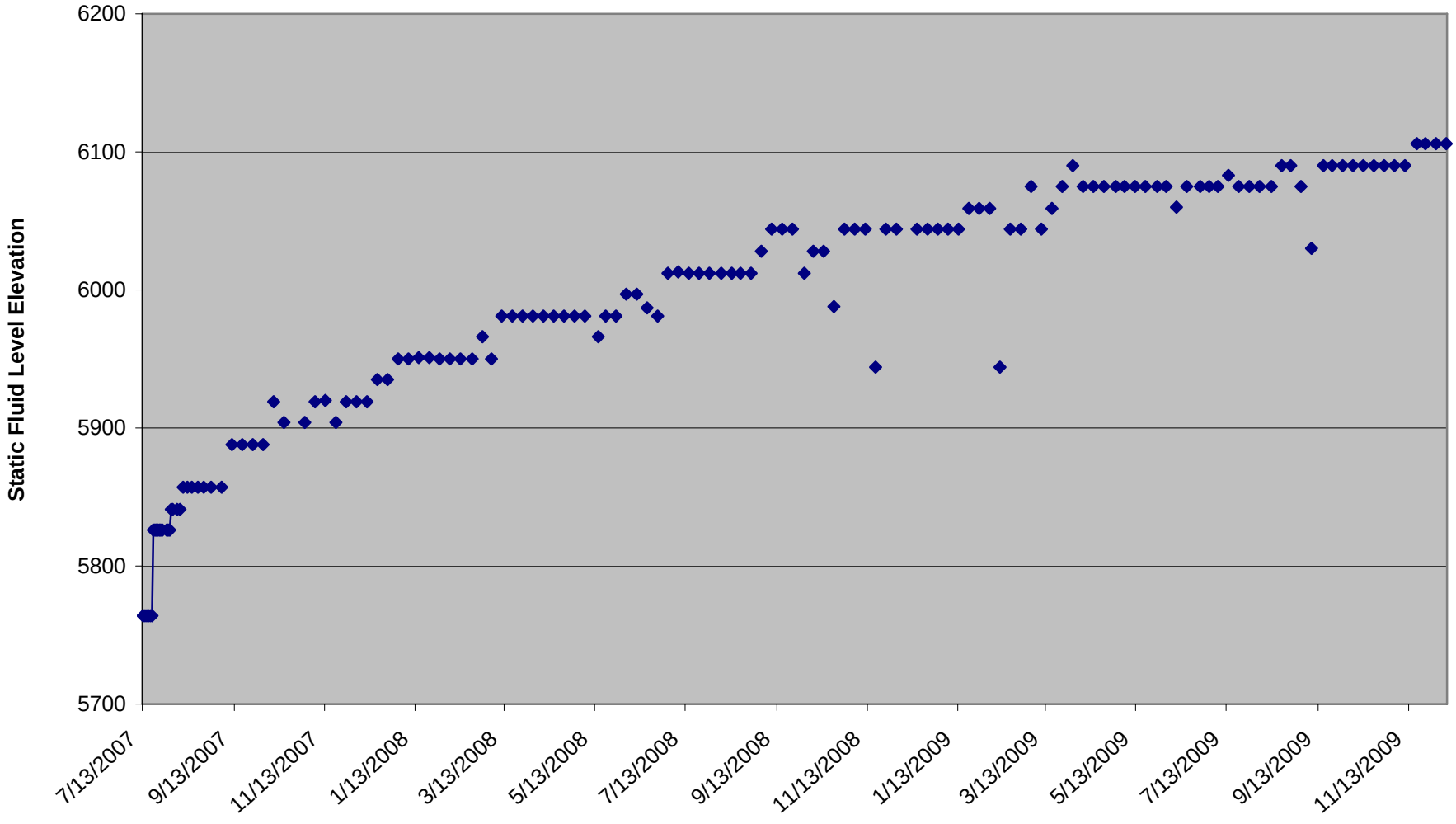
Lively 02-02
7/13/07 thru 12/8/09
Wells shut down 7/20/07



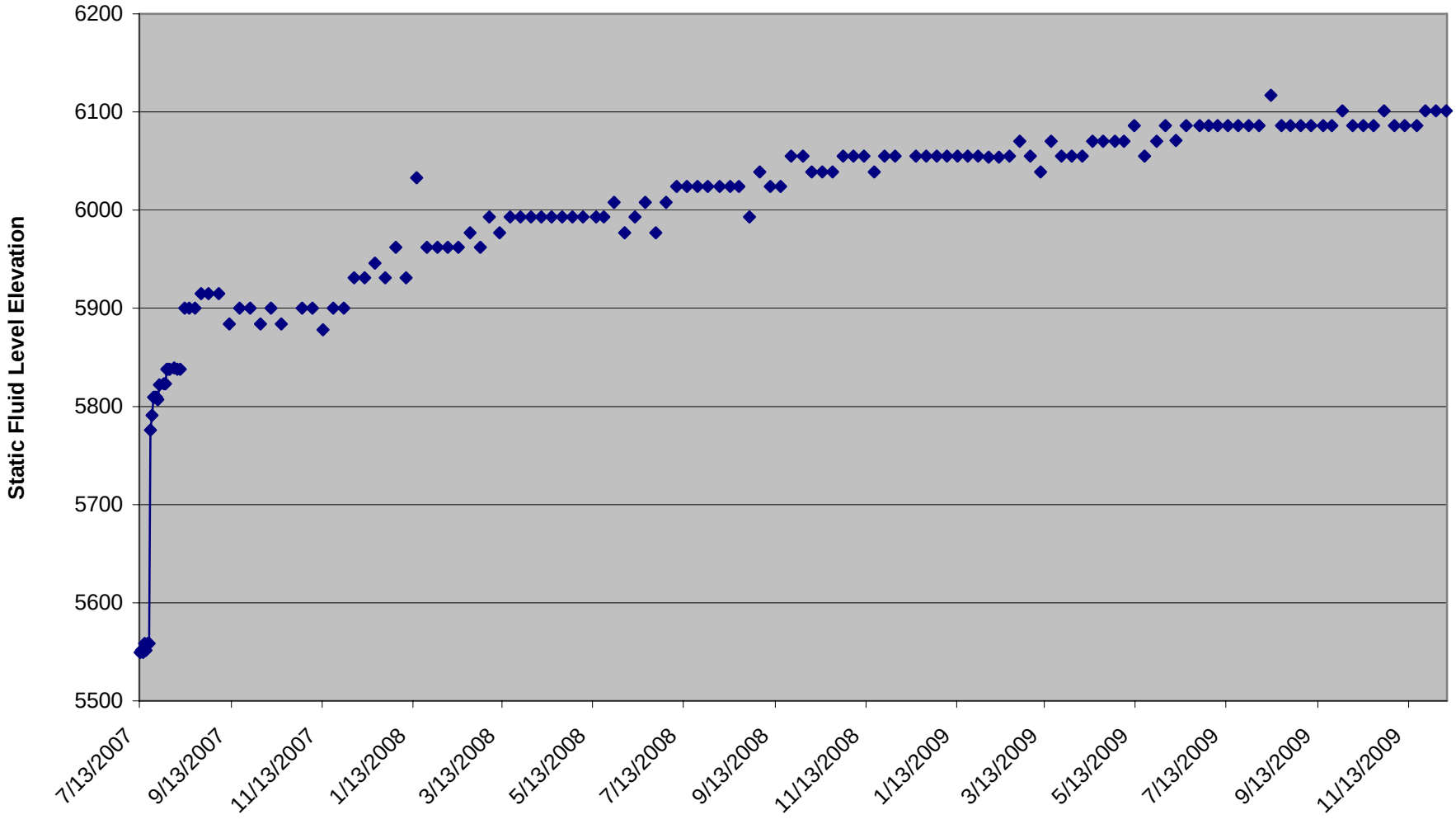
Lively 02-12
7/13/07 thru 12/8/09
Wells shut down 7/20/07



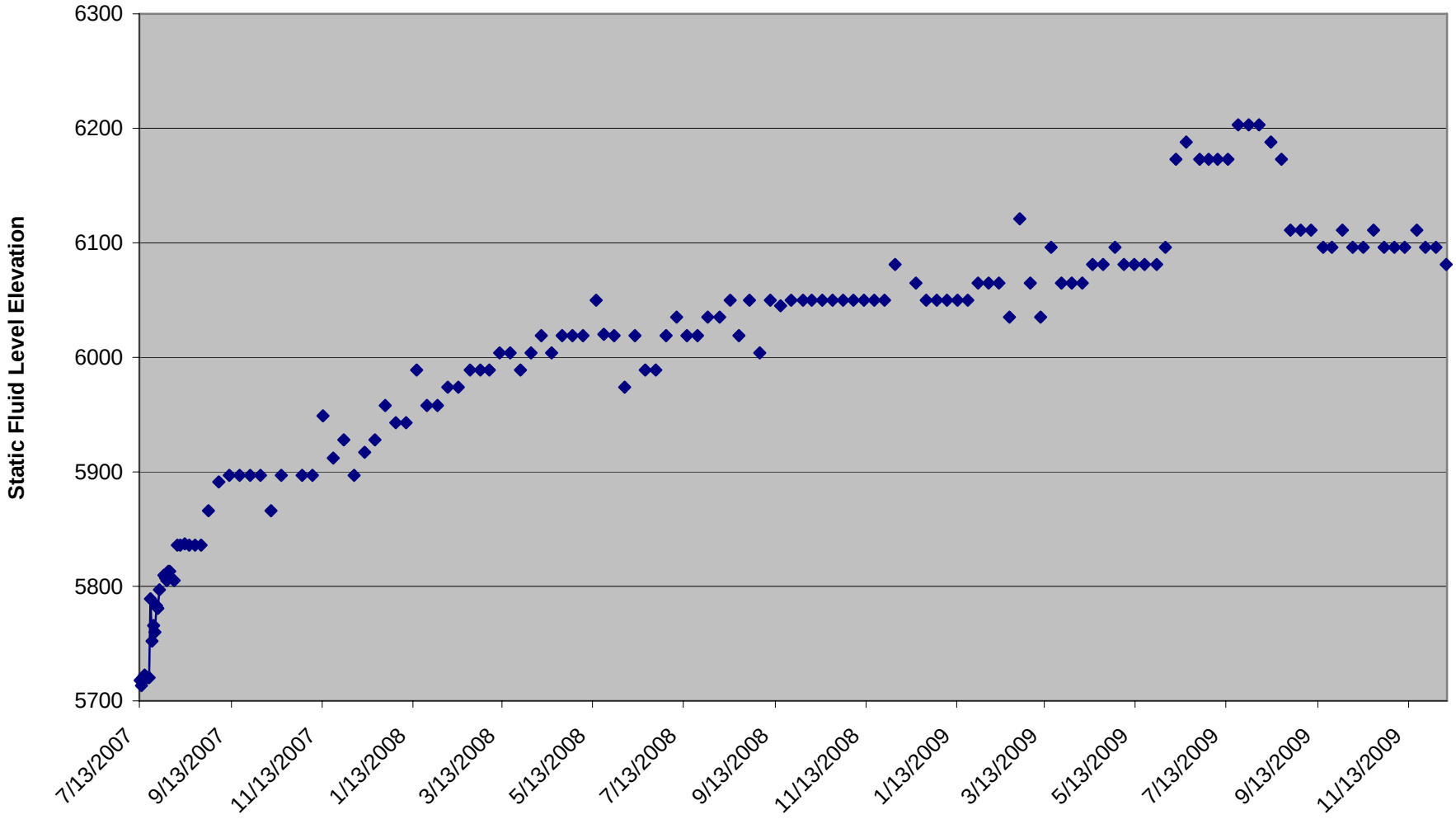
Lively 03-01
7/13/07 thru 12/8/09
Wells shut down 7/20/07



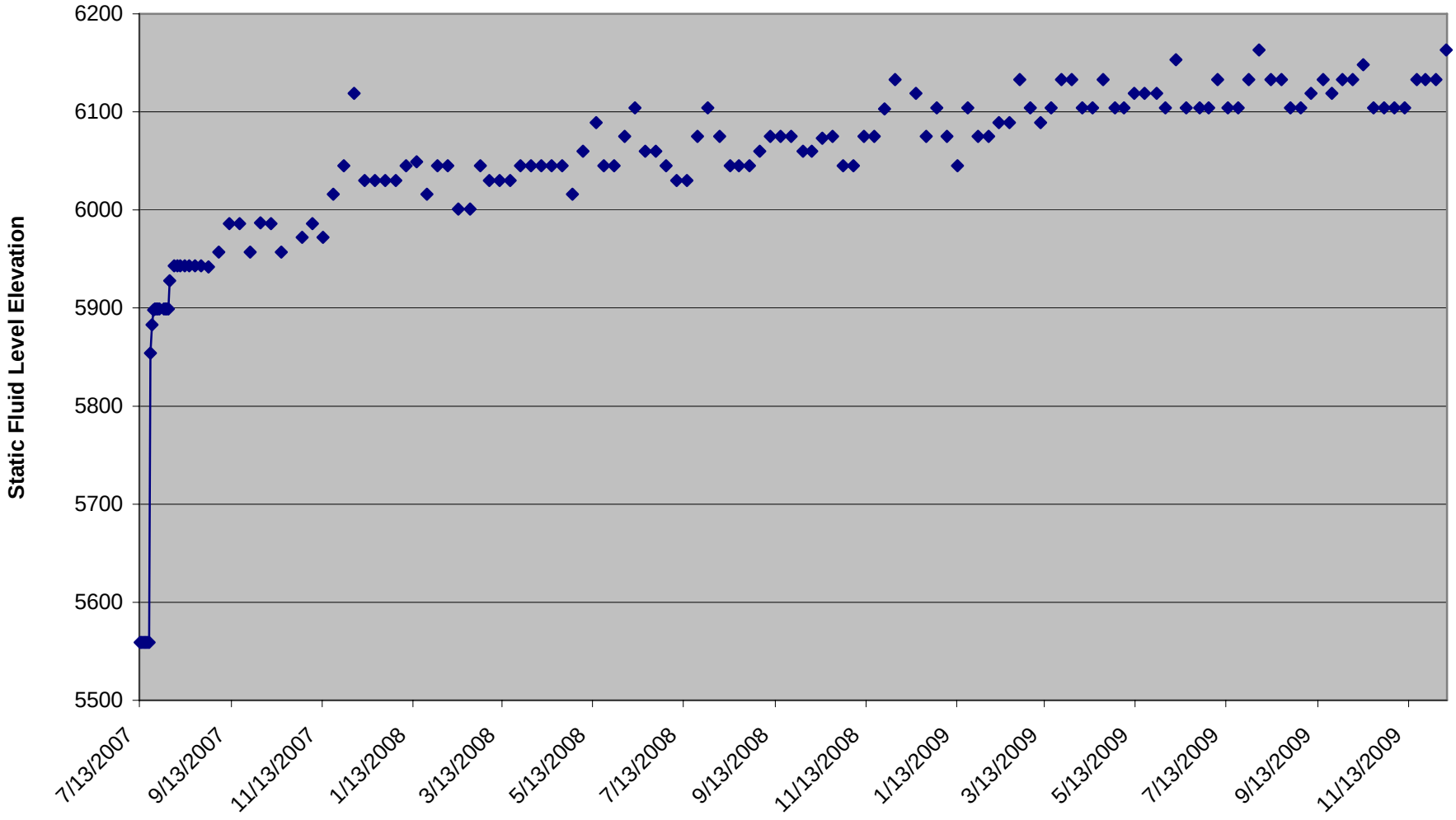
Lively 03-10
7/13/07 thru 12/8/09
Wells shut down 7/20/07



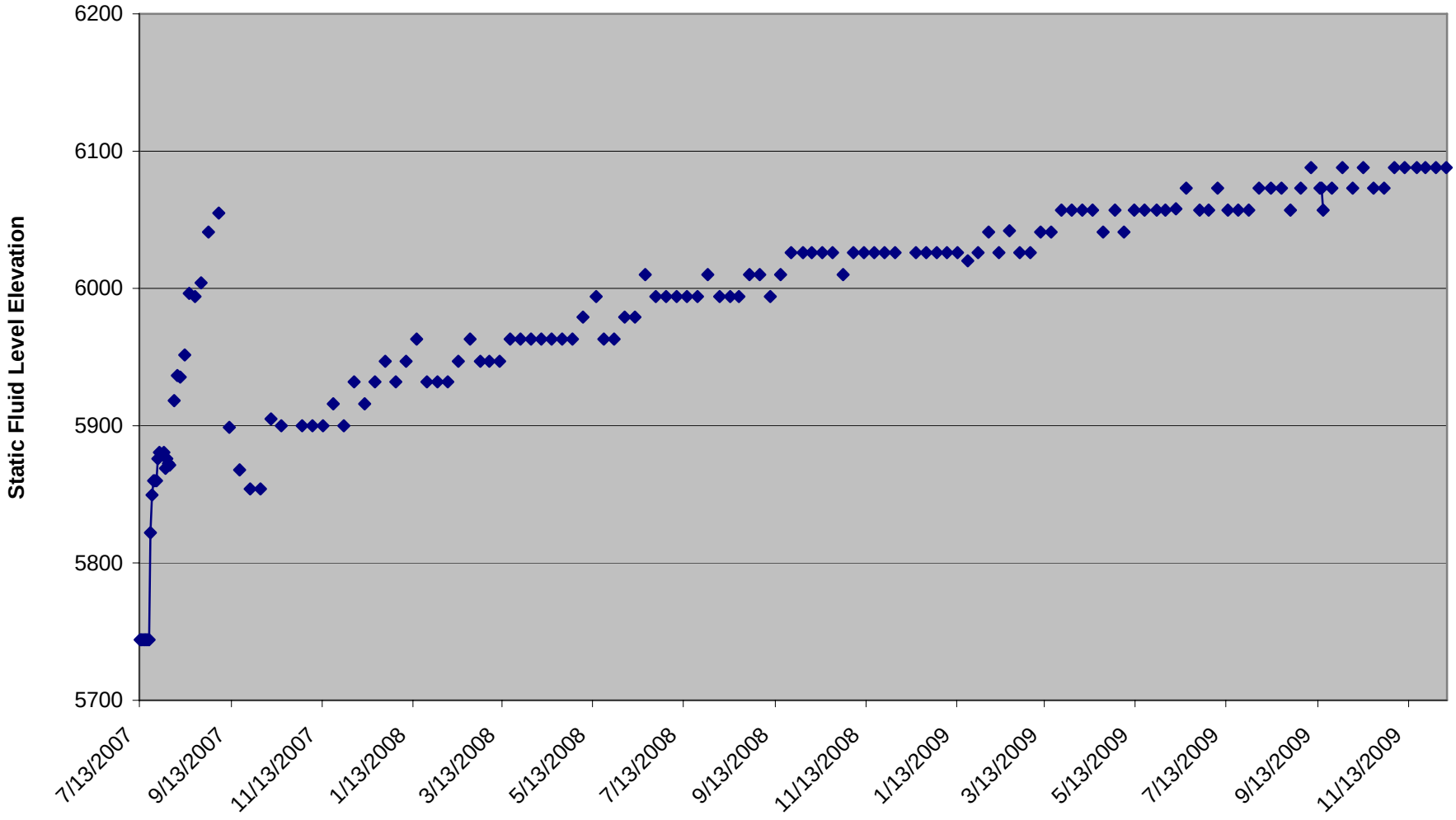
Lively 03-12
7/13/07 thru 12/8/09
Wells shut down 7/20/07



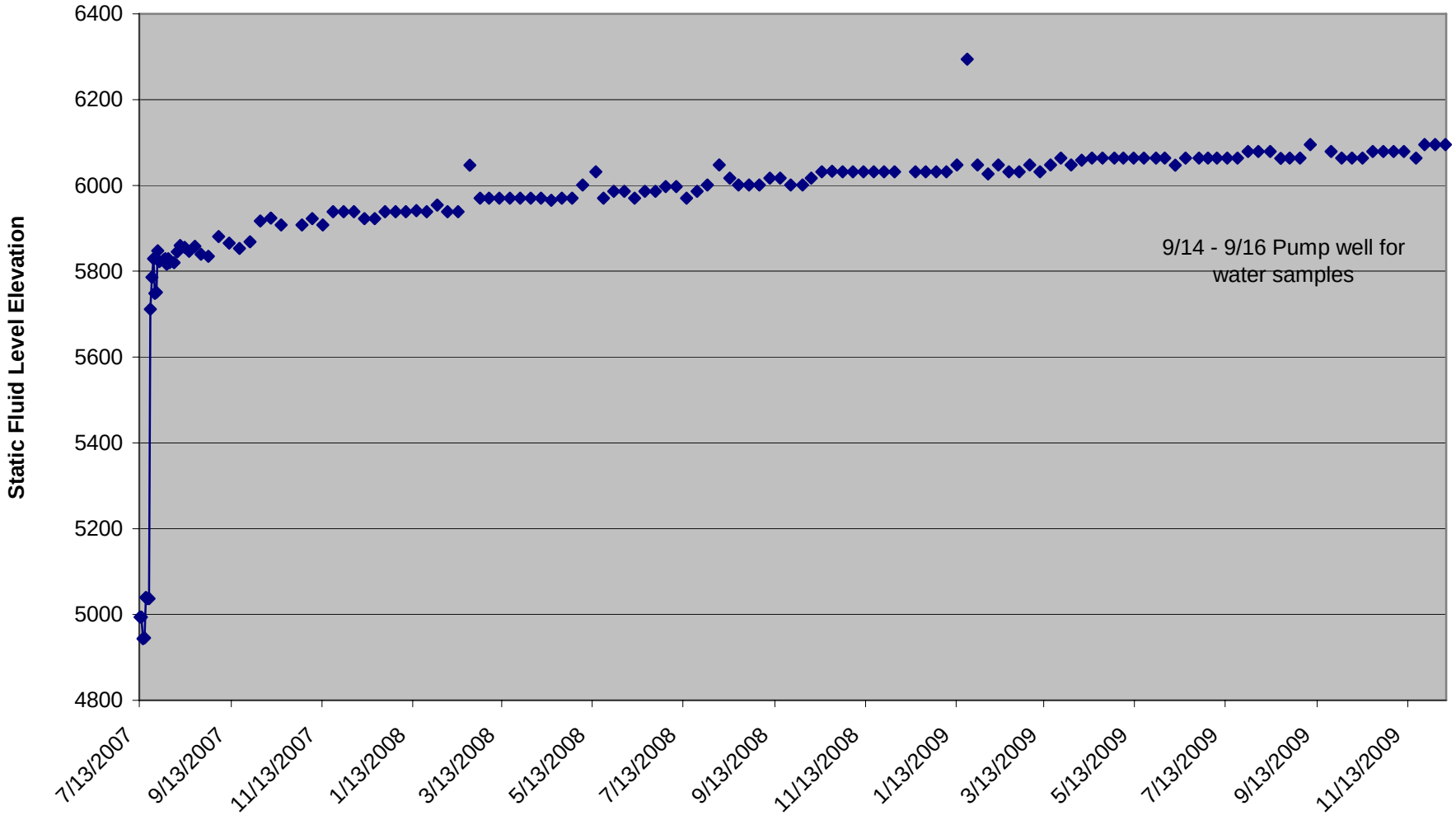
Lively 10-04
7/13/07 thru 12/8/09
Wells shut down 7/20/07



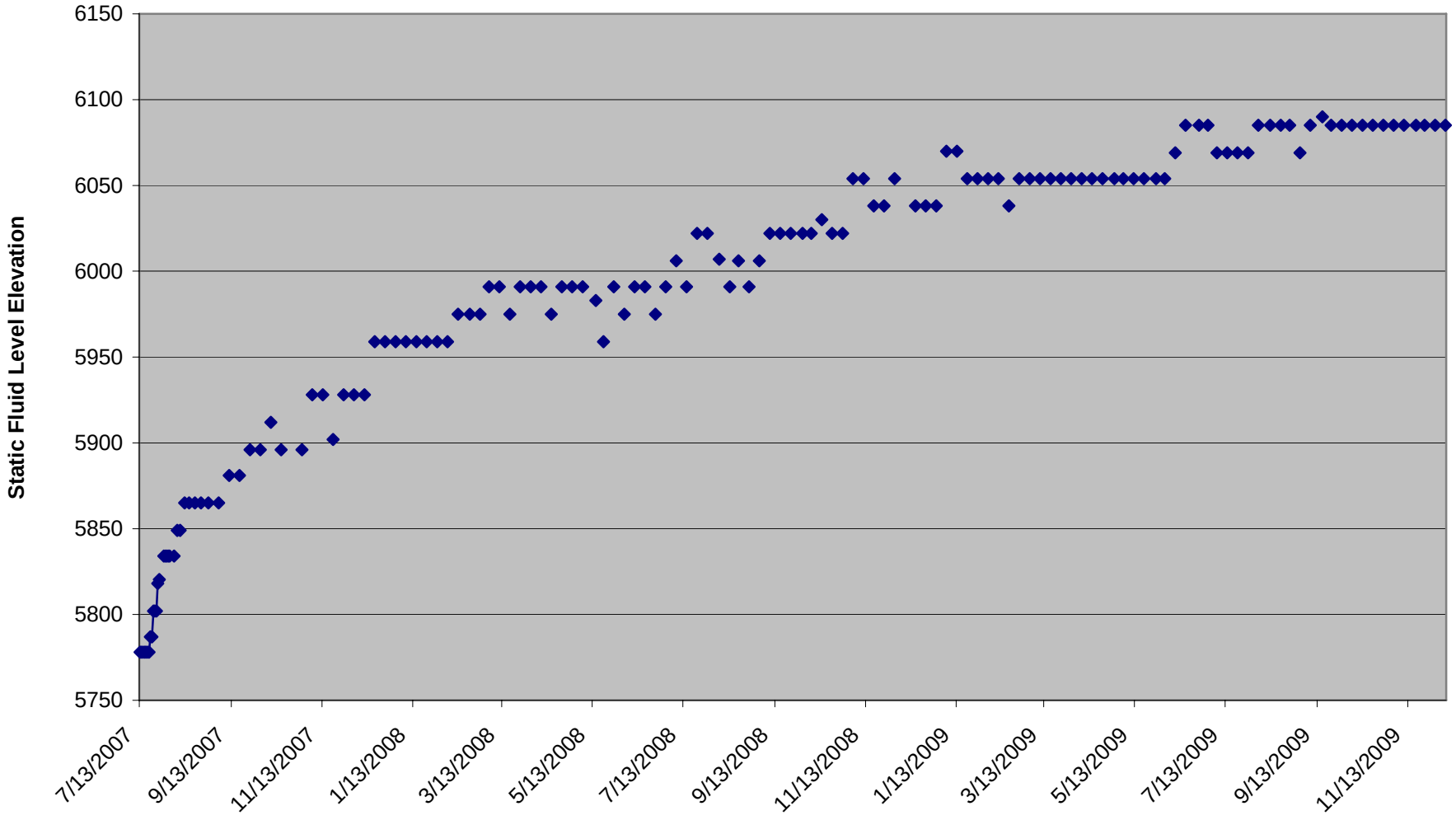
Rohr 04-10
7/13/07 thru 12/8/09
Wells shut down 7/20/07



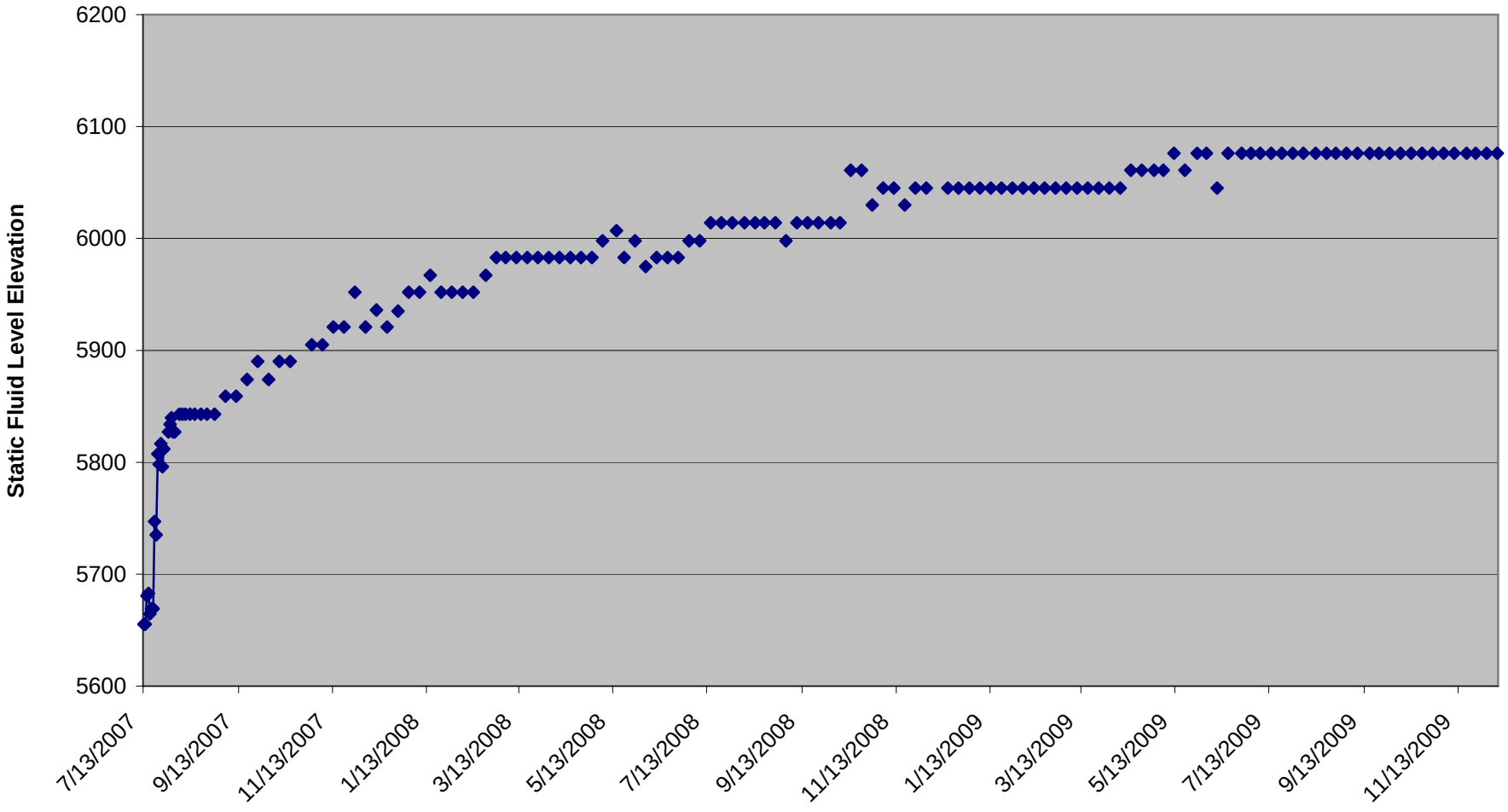
Rohr 09-10
7/13/07 thru 12/8/09
Wells shut down 7/20/07



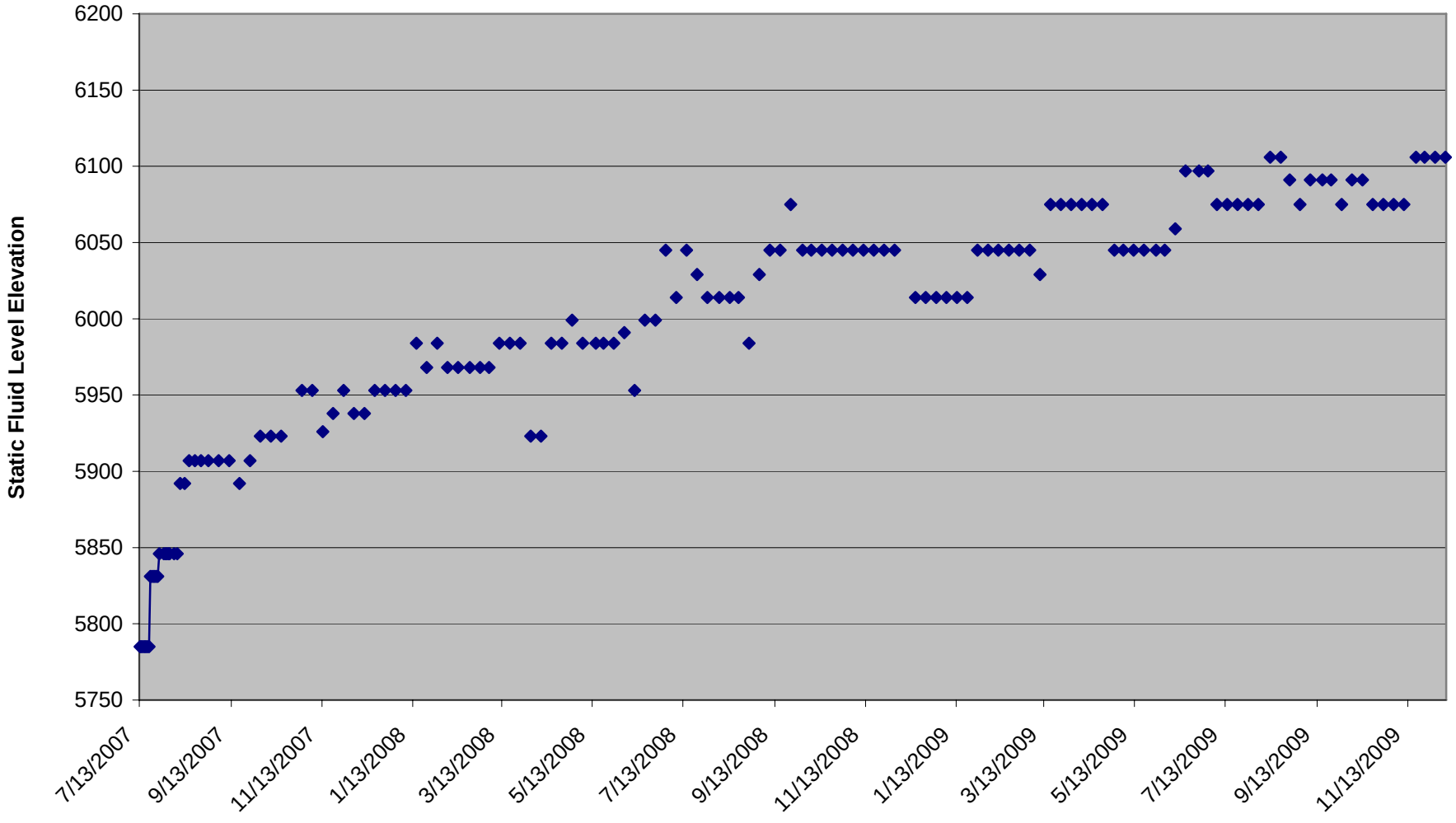
State 36-02
7/13/07 thru 12/8/09
Wells shut down 7/20/07



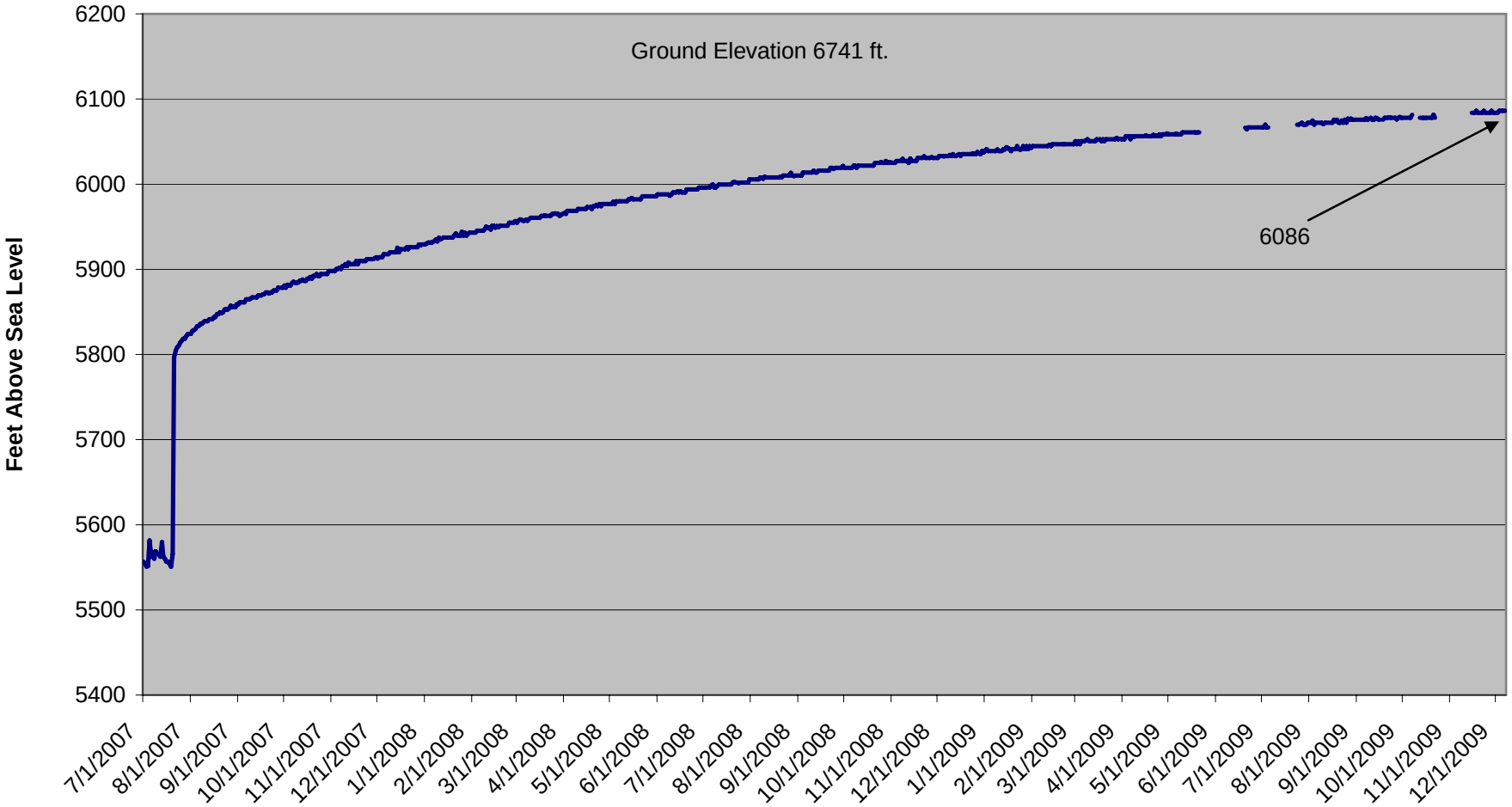
State 36-05
7/13/07 thru 12/8/09
Wells shut down 7/20/07



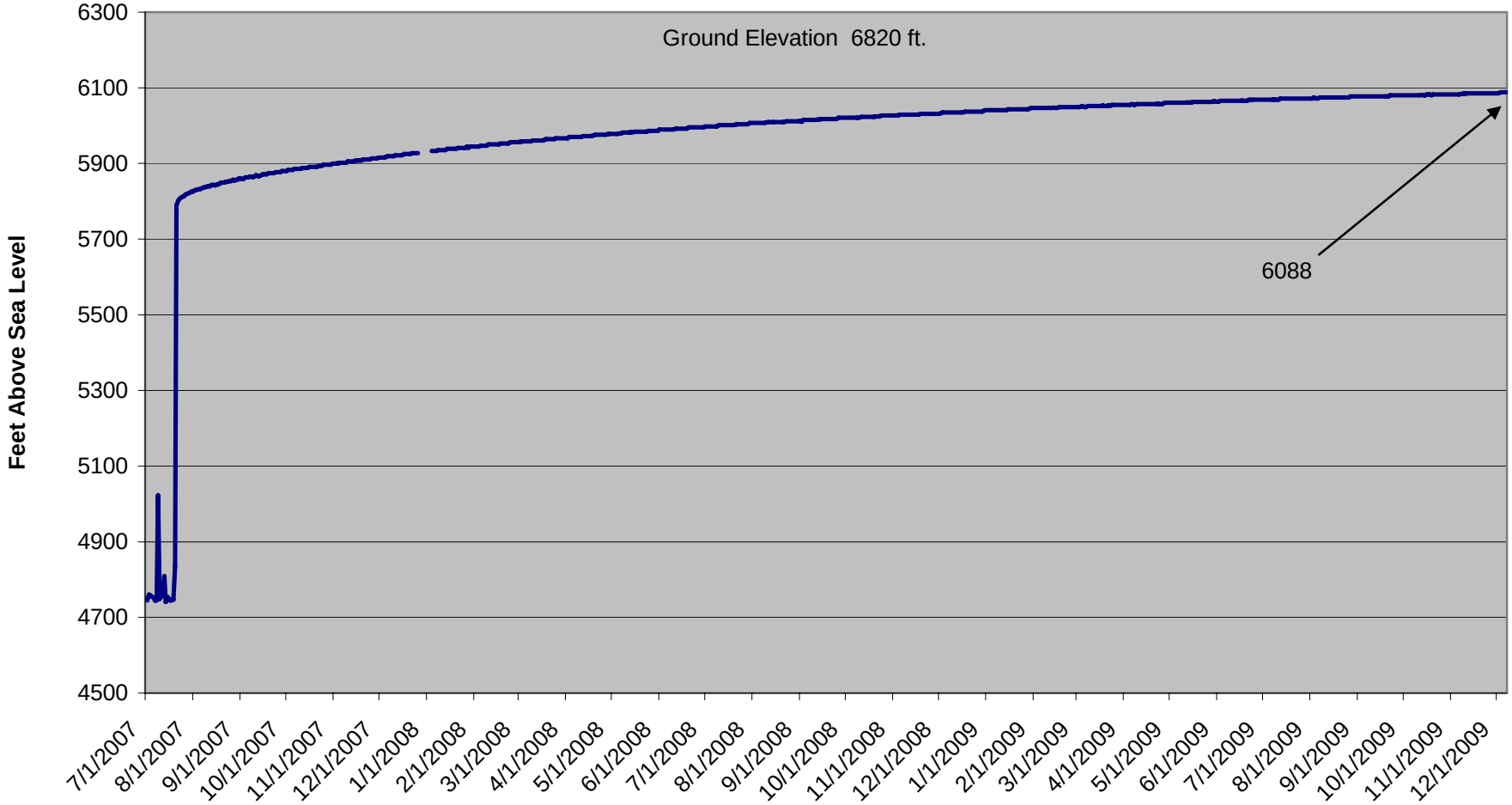
State 36-11
7/13/07 thru 12/8/09
Wells shut down 7/20/07



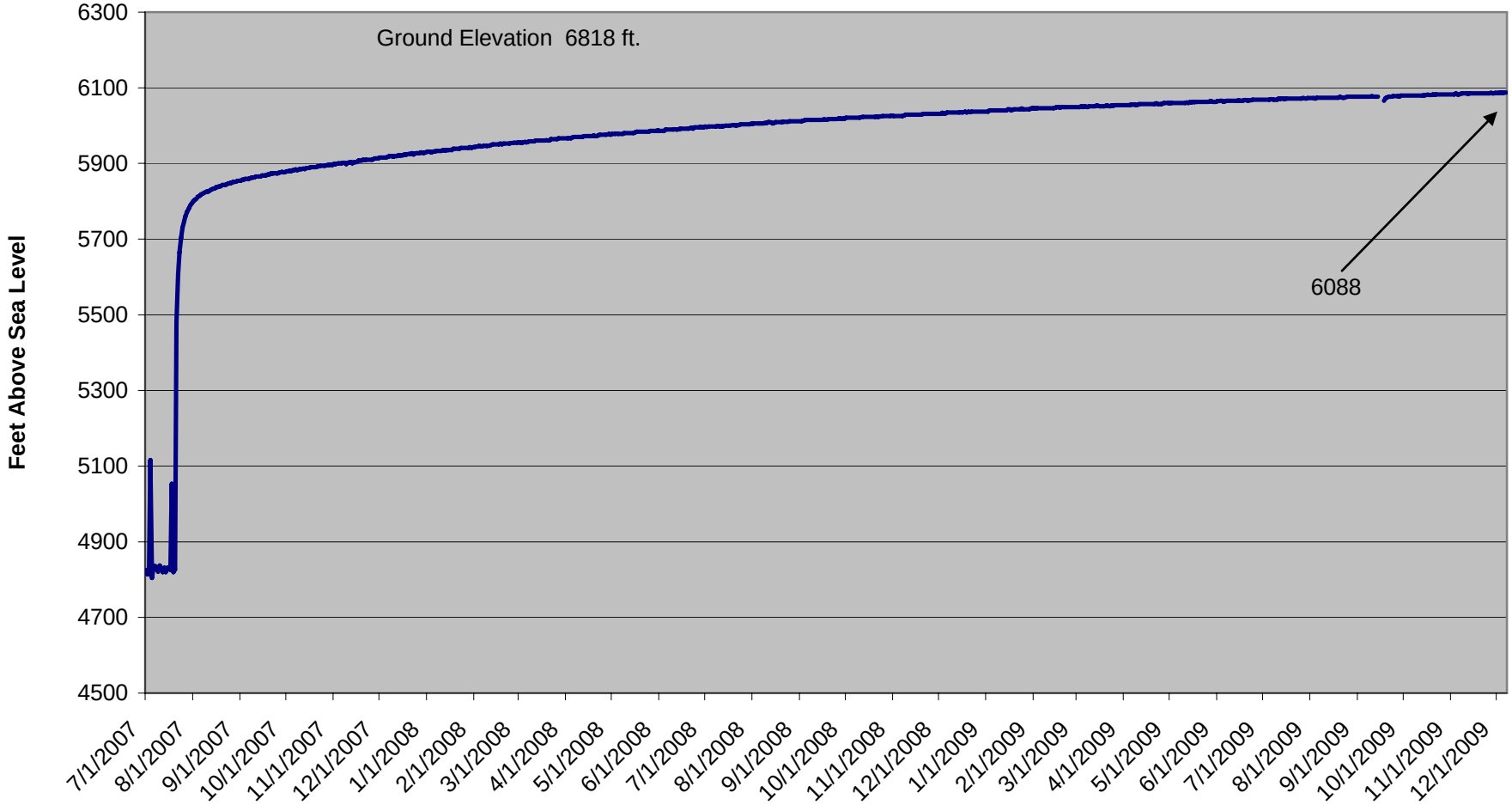
Rohr 04-14 CBM Well
Static Water Level
from 7/1/07 to 12/7/09
Well shut-in 7/20/07



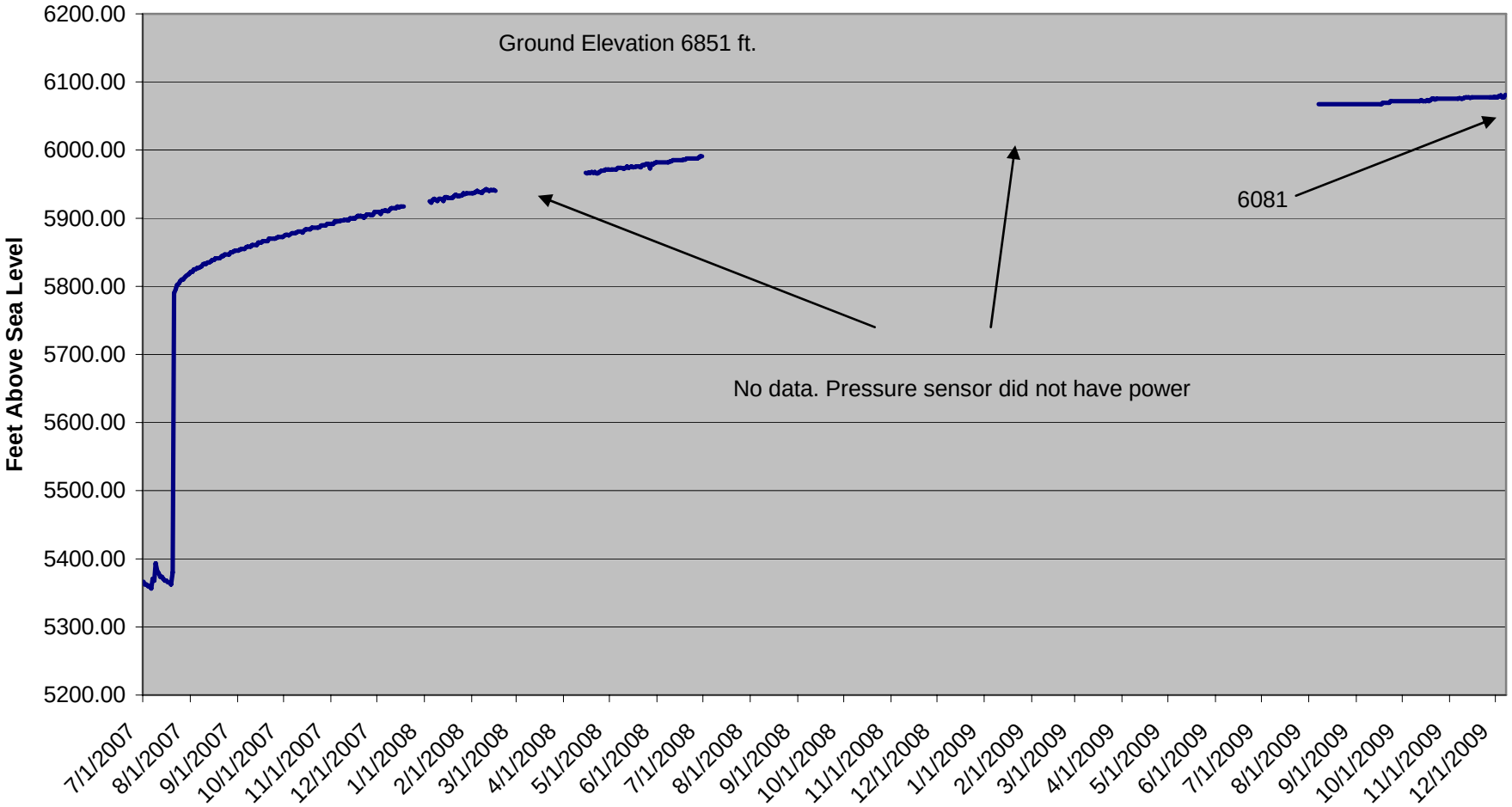
Rohr 08-01 CBM Well
Static Water Level
from 7/1/07 to 12/7/09
Well shut-in 7/20/07



Rohr 09-04 CBM Well
Static Water Level
from 7/1/07 to 12/7/09
Well shut-in 7/20/07

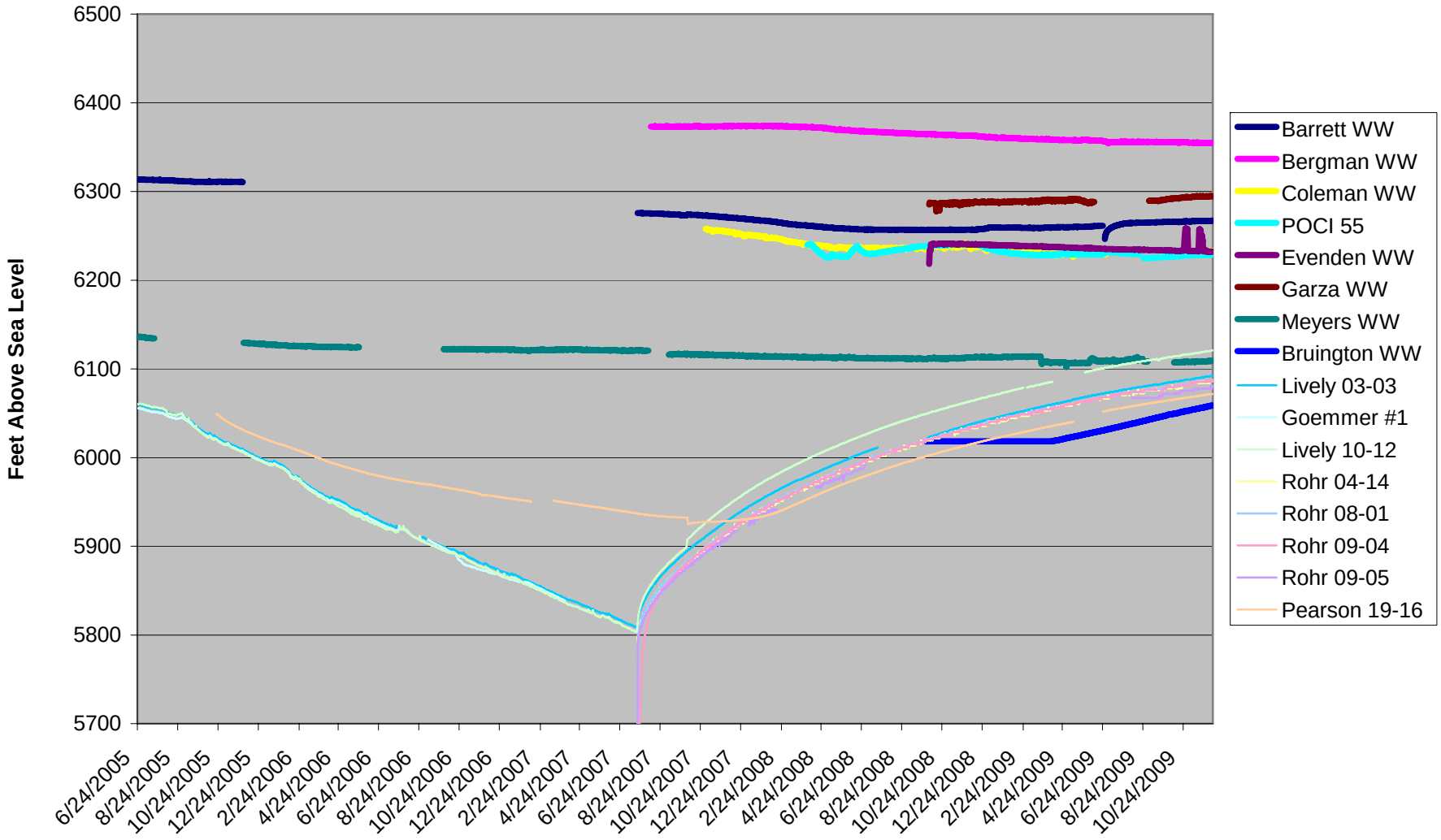


Rohr 09-05 CBM Well
Static Water Level
from 7/1/07 to 12/27/09
Well shut-in 7/20/07



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

CBM and Domestic WW,
Water Levels from 6/24/05 to 10/26/09

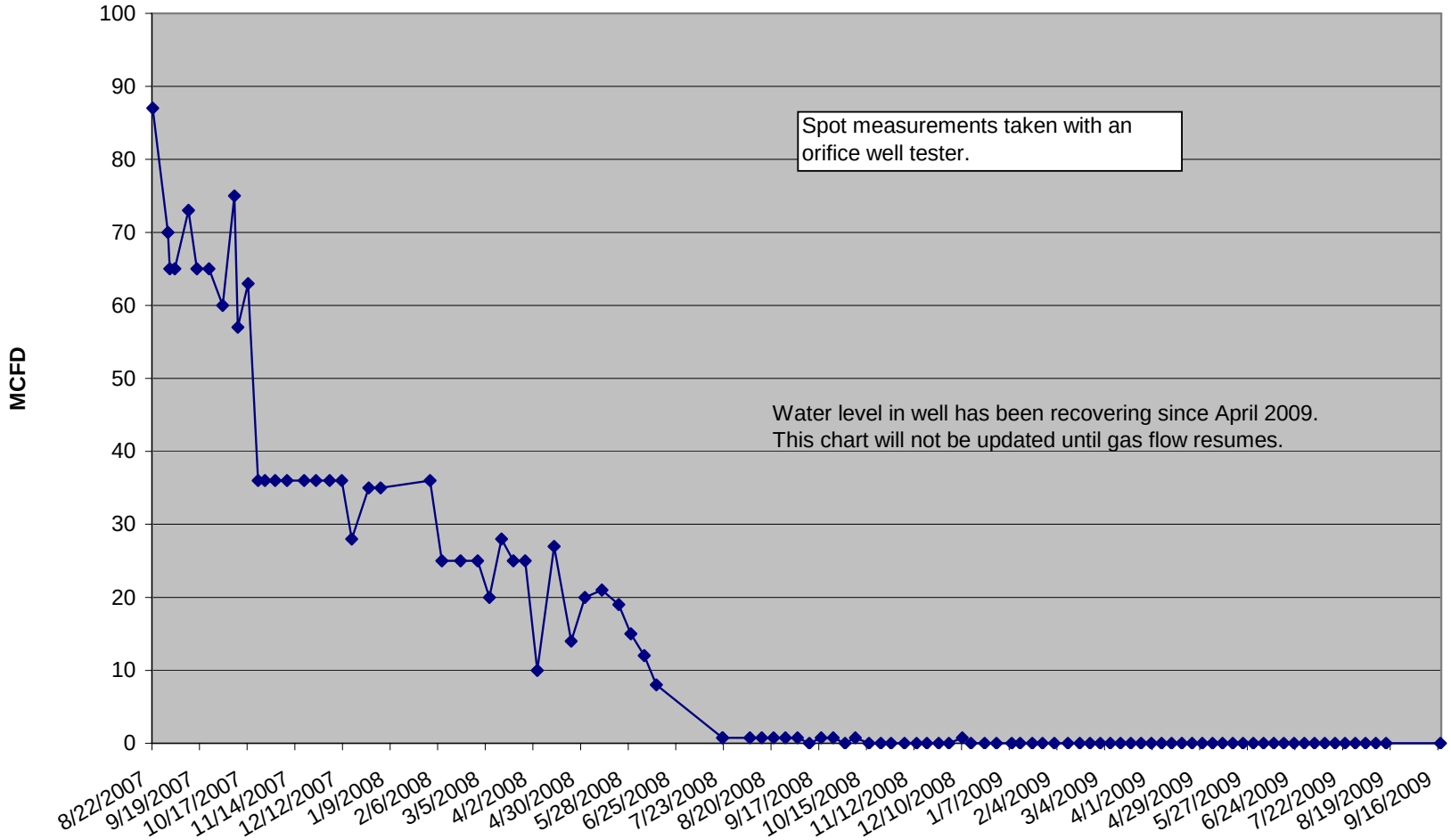



CBM Monitor Wells Water Level
Feet Above Sea Level
6200
6100
6000
5900
5800
5700
5600
1/1/2007
3/1/2007
5/1/2007
7/1/2007
9/1/2007
11/1/2007
1/1/2008
3/1/2008
5/1/2008
7/1/2008
9/1/2008
11/1/2008
1/1/2009
3/1/2009
5/1/2009
7/1/2009
Lively 03-03
Goemmer #1
Lively 10-12
Rohr 04-14
Rohr 08-01
Rohr 09-04
Rohr 09-05

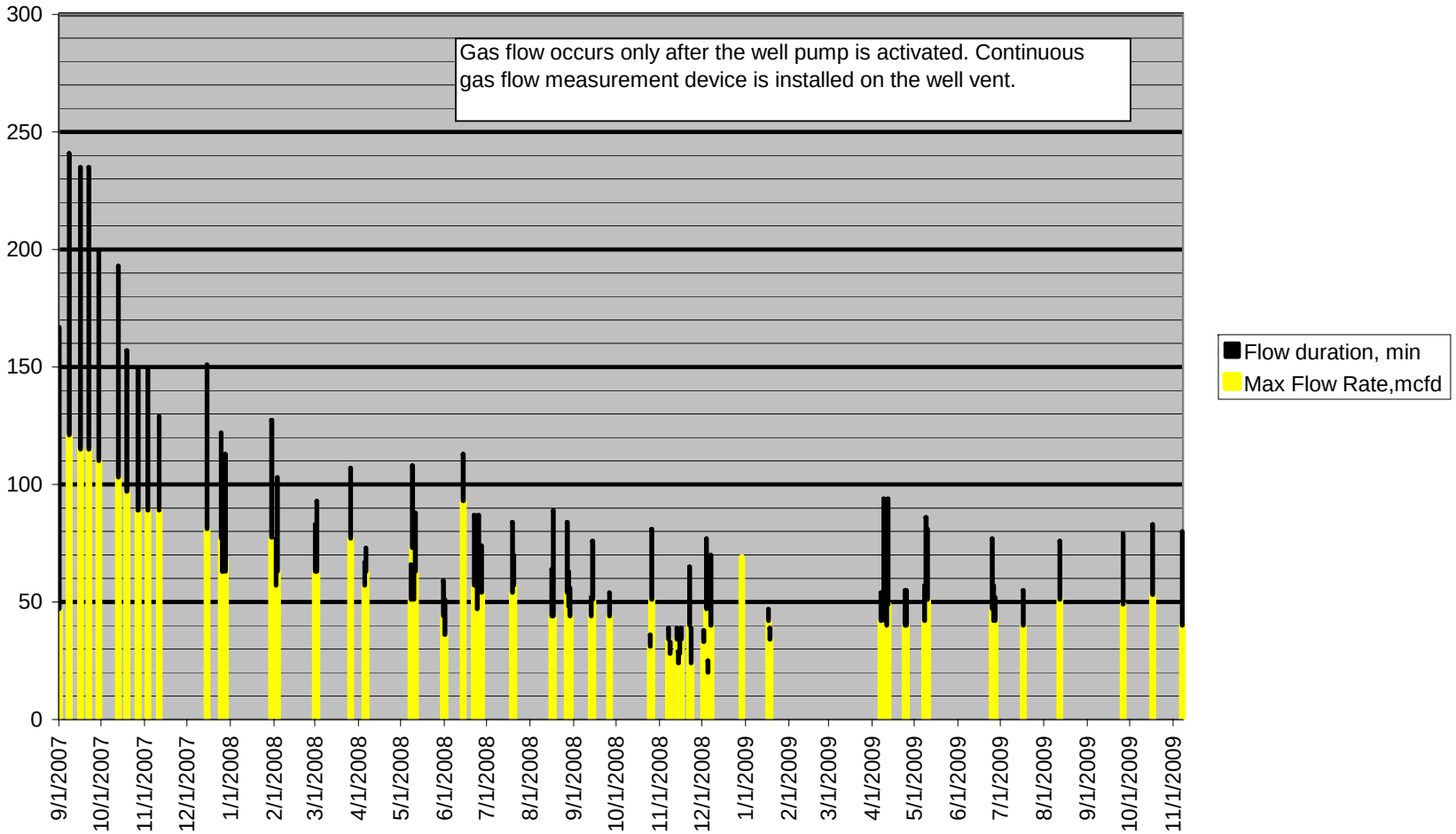
Summary of Production Well Water Levels and Private Well Water Levels						
Well Name	**Permit or API #**	**Ground Elevation (ft above mean sea level)**	**Depth of Pressure Sensor (ft)**	**Formation**	**General Location**	**Well Status**
Barrett	257994	6707	750	Poison Canyon	In mitigation ring	non-active 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

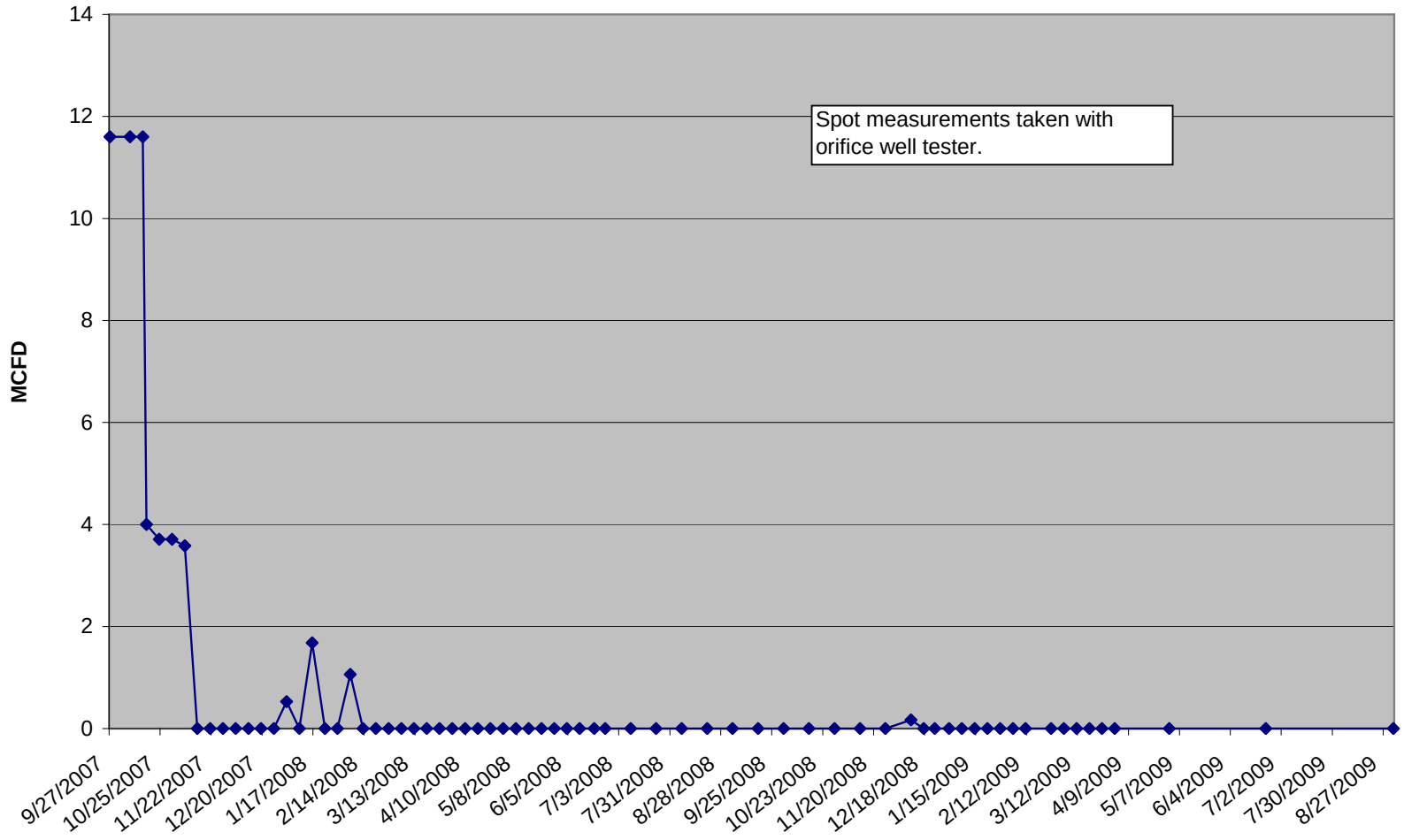
Bruington WW # 210526 Measured Gas Flow
from 8/22/07 to 9/17/09



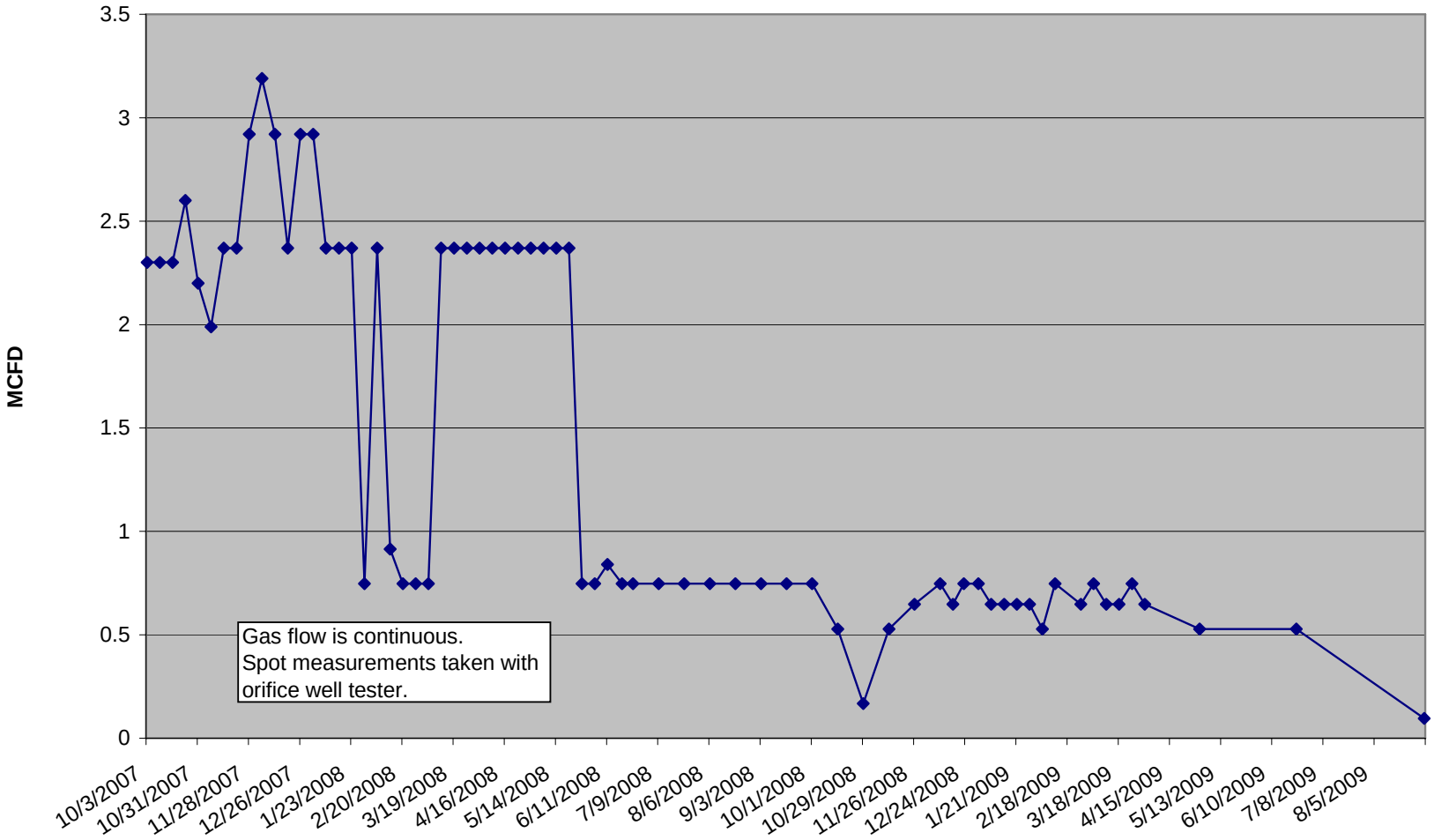
**Coleman WW #267294 Measured Gas Flow
from 9/1/07 to 11/7/09**



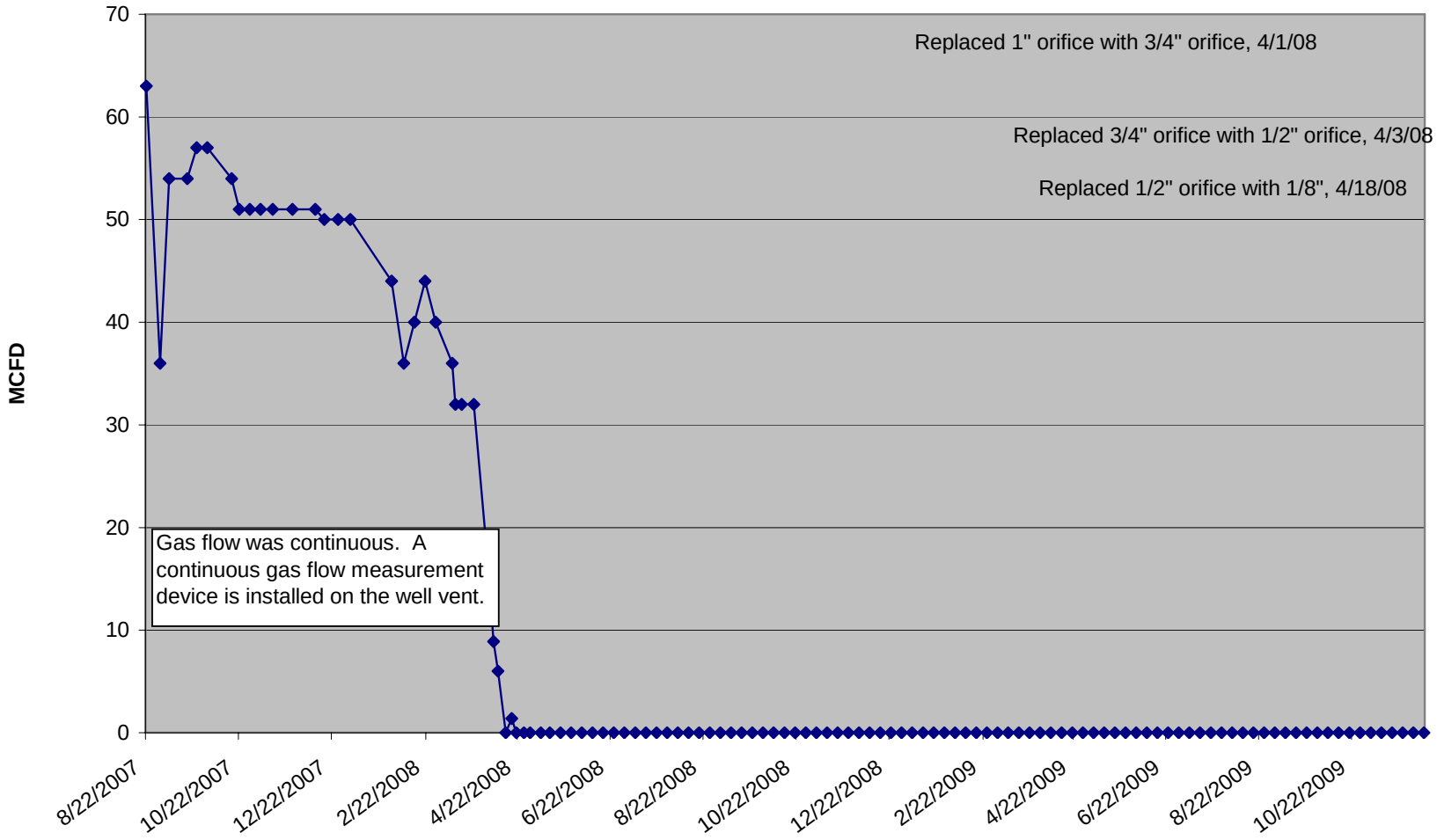
**Angely WW # 238689 Measured Gas Flow
from 9/27/07 to 9/1/09**



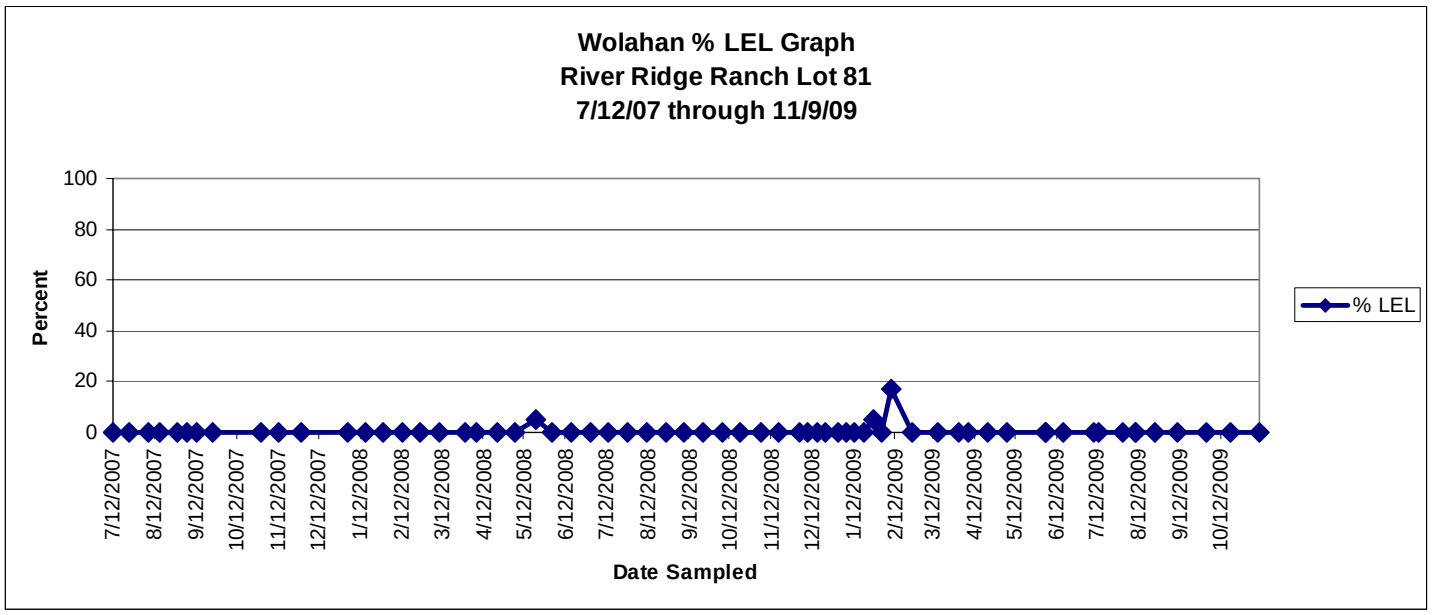
**Bounds WW #181278 Measured Gas Flow
from 10/3/07 to 9/1/09**

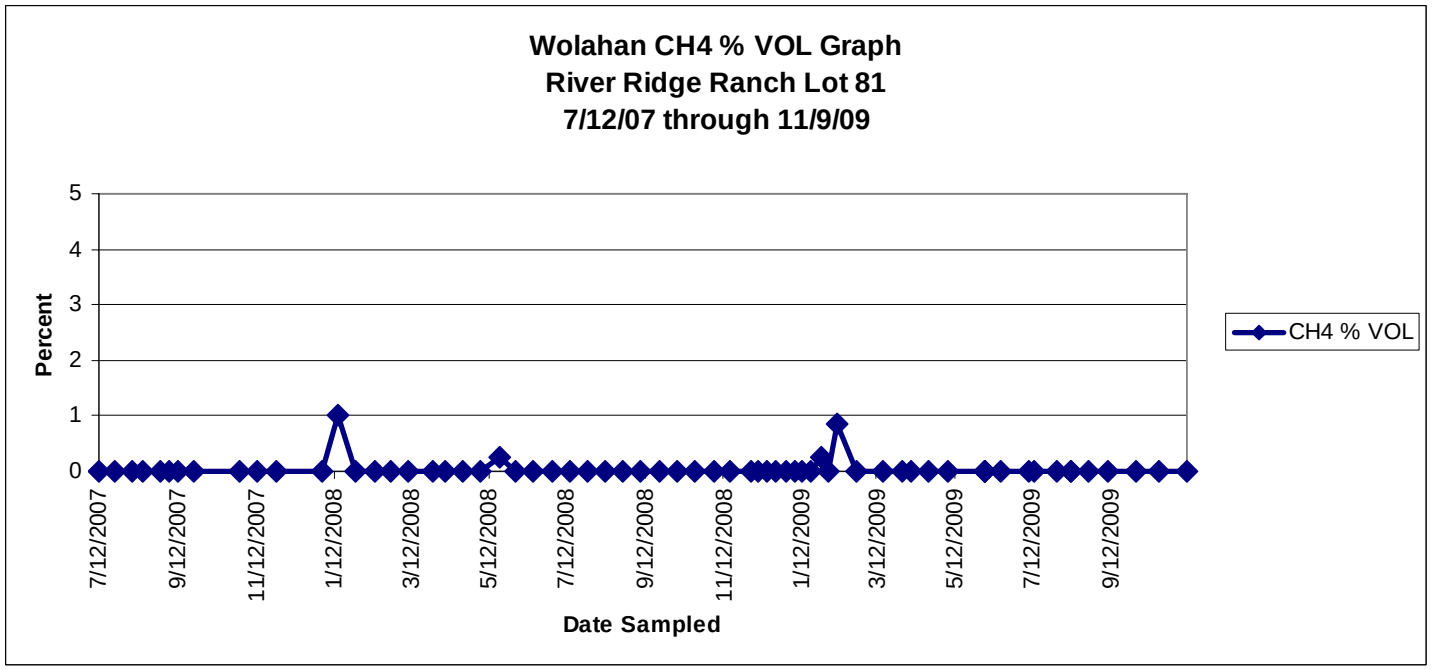


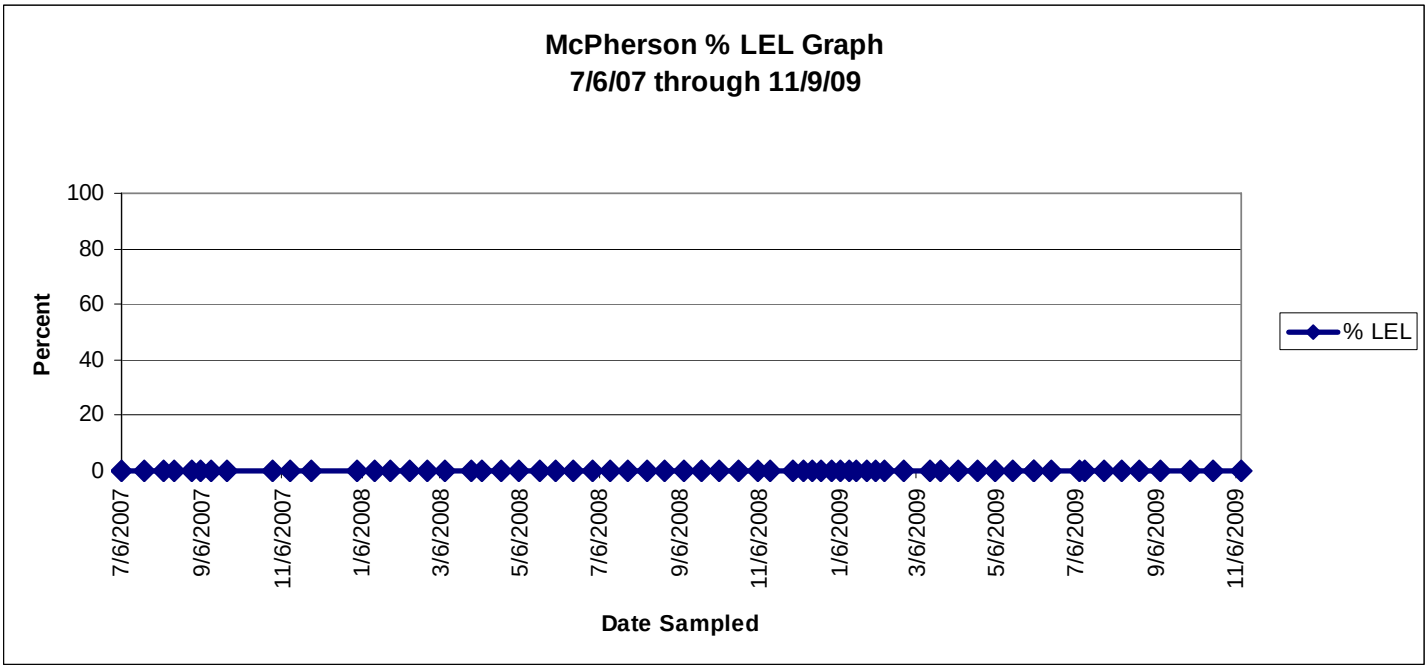
**Smith WW # 239657 Measured Gas Flow
from 8/22/07 to 12/7/09**

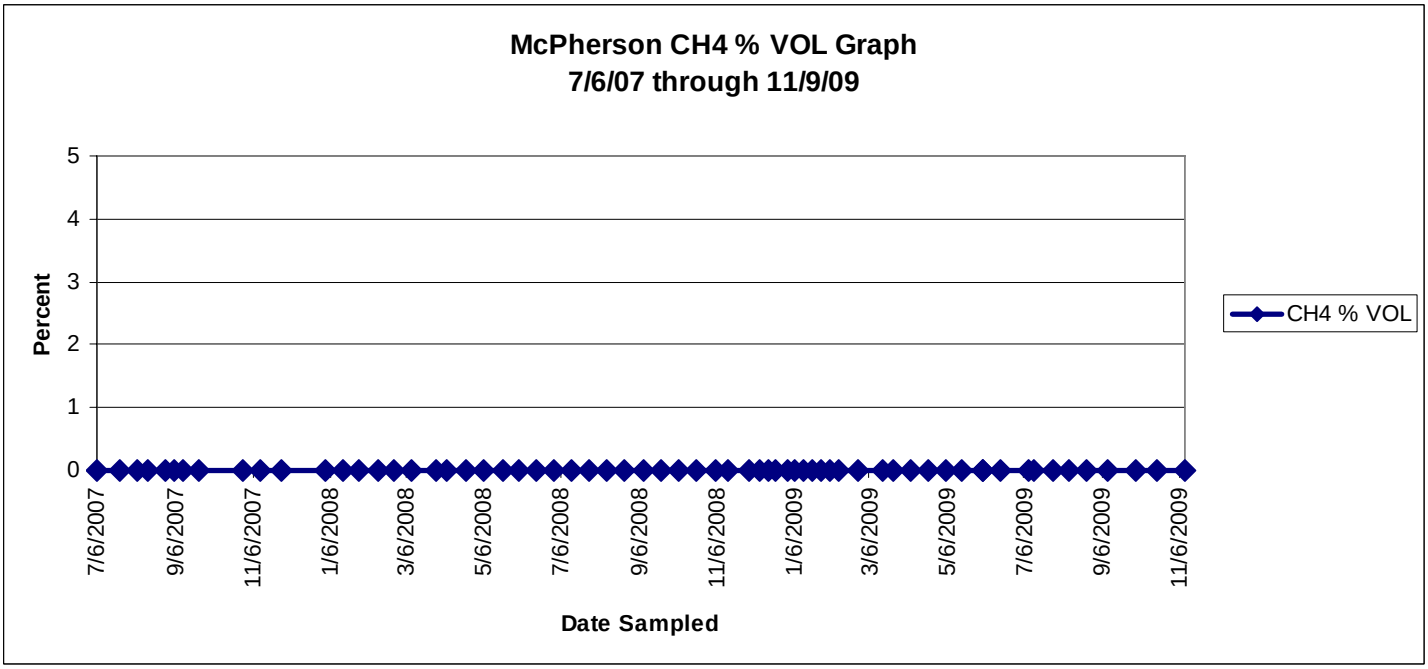


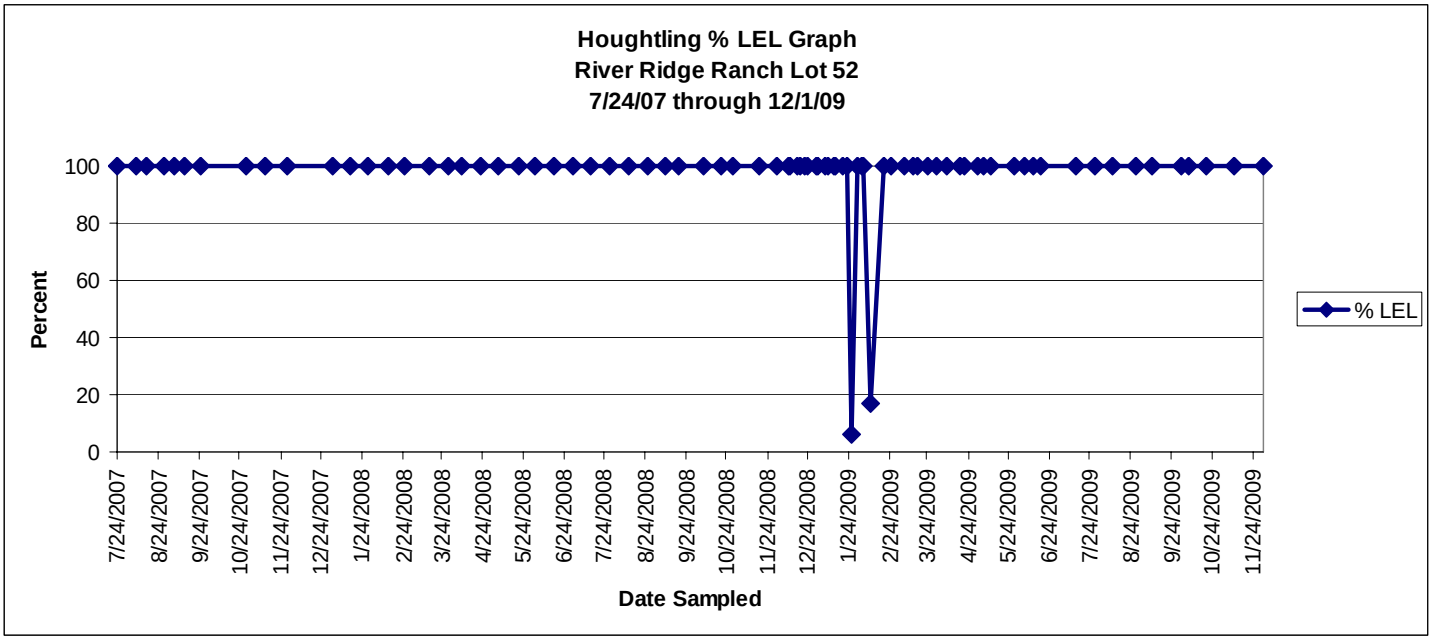
Attachment 6
Gas Concentrations in
Private Water Wells near the Mitigation Project

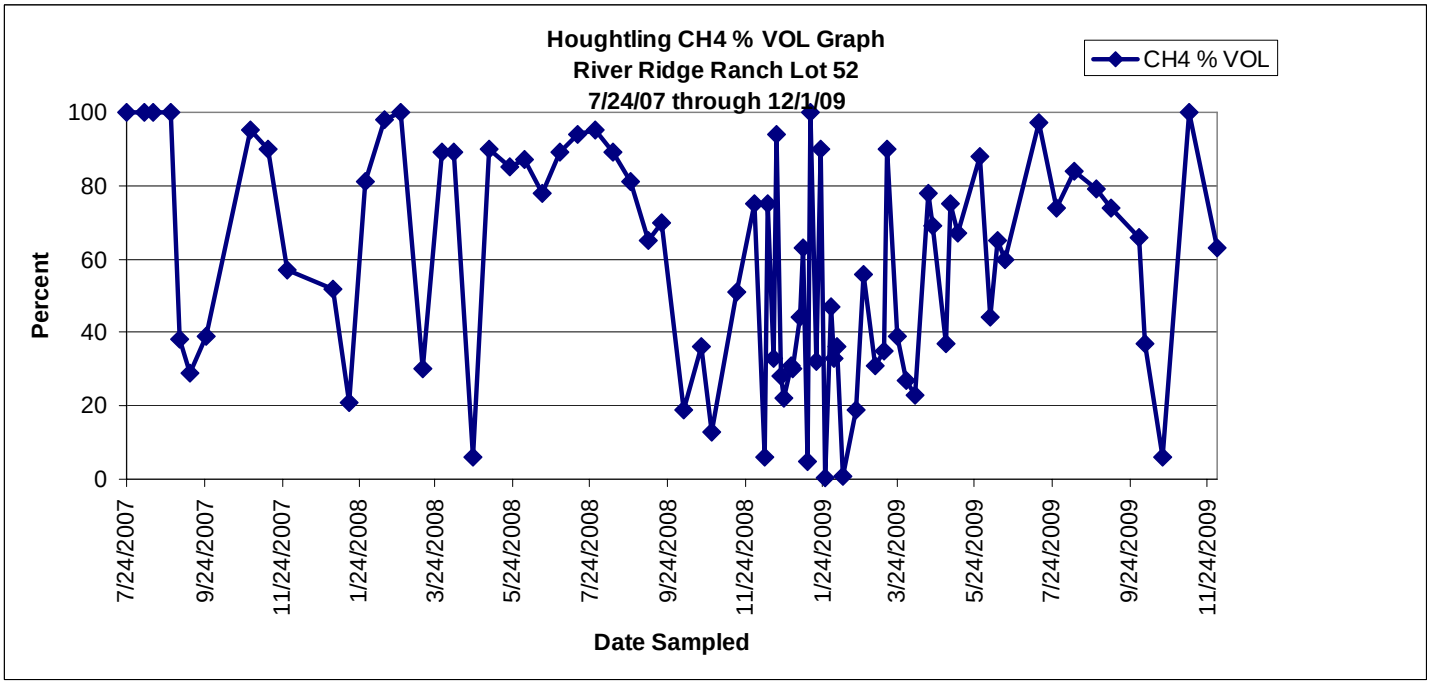

Wolahan % LEL Graph
River Ridge Ranch Lot 81
7/12/07 through 11/9/09
Percent
100
80
60
40
20
0
7/12/2007
8/12/2007
9/12/2007
10/12/2007
11/12/2007
12/12/2007
1/12/2008
2/12/2008
3/12/2008
4/12/2008
5/12/2008
6/12/2008
7/12/2008
8/12/2008
9/12/2008
10/12/2008
11/12/2008
12/12/2008
1/12/2009
2/12/2009
3/12/2009
4/12/2009
5/12/2009
6/12/2009
7/12/2009
8/12/2009
9/12/2009
10/12/2009
Date Sampled
% LEL

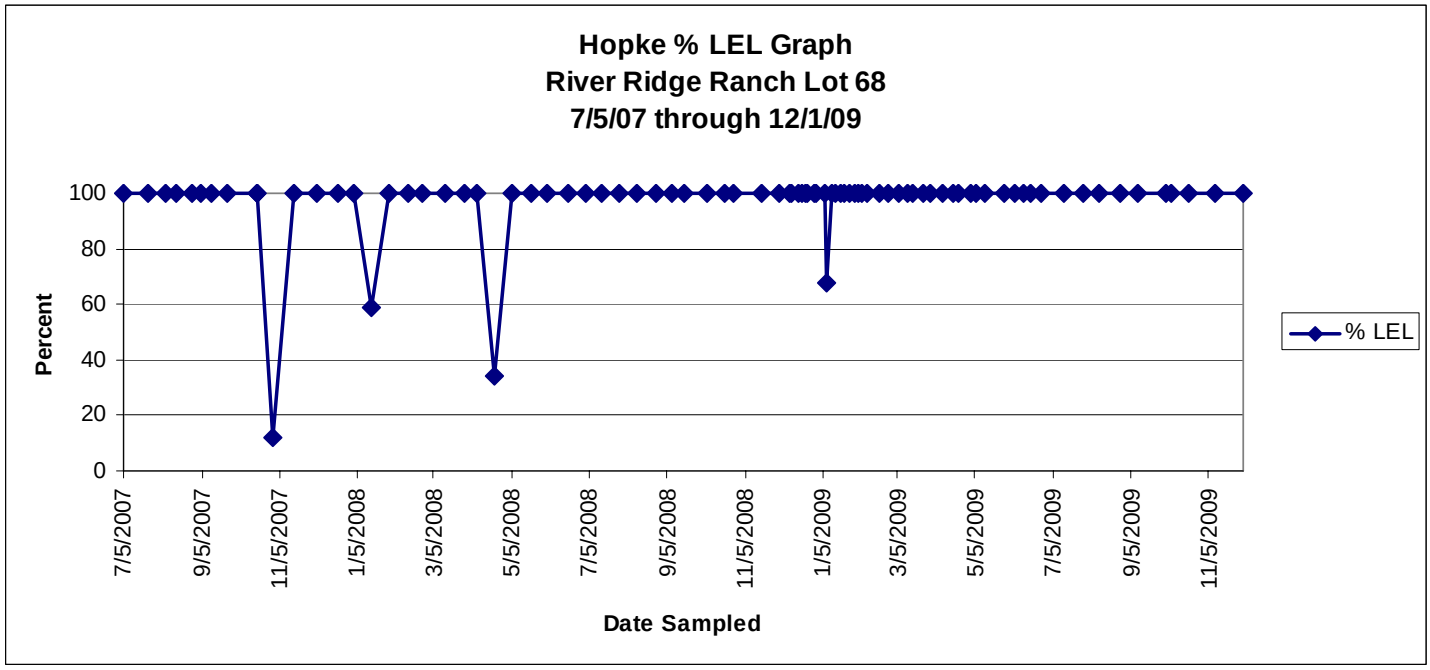

Wolahan CH4 % VOL Graph
River Ridge Ranch Lot 81
7/12/07 through 11/9/09
Percent
5
4
3
2
1
0
7/12/2007
9/12/2007
11/12/2007
1/12/2008
3/12/2008
5/12/2008
7/12/2008
9/12/2008
11/12/2008
1/12/2009
3/12/2009
5/12/2009
7/12/2009
9/12/2009
Date Sampled
CH4 % VOL

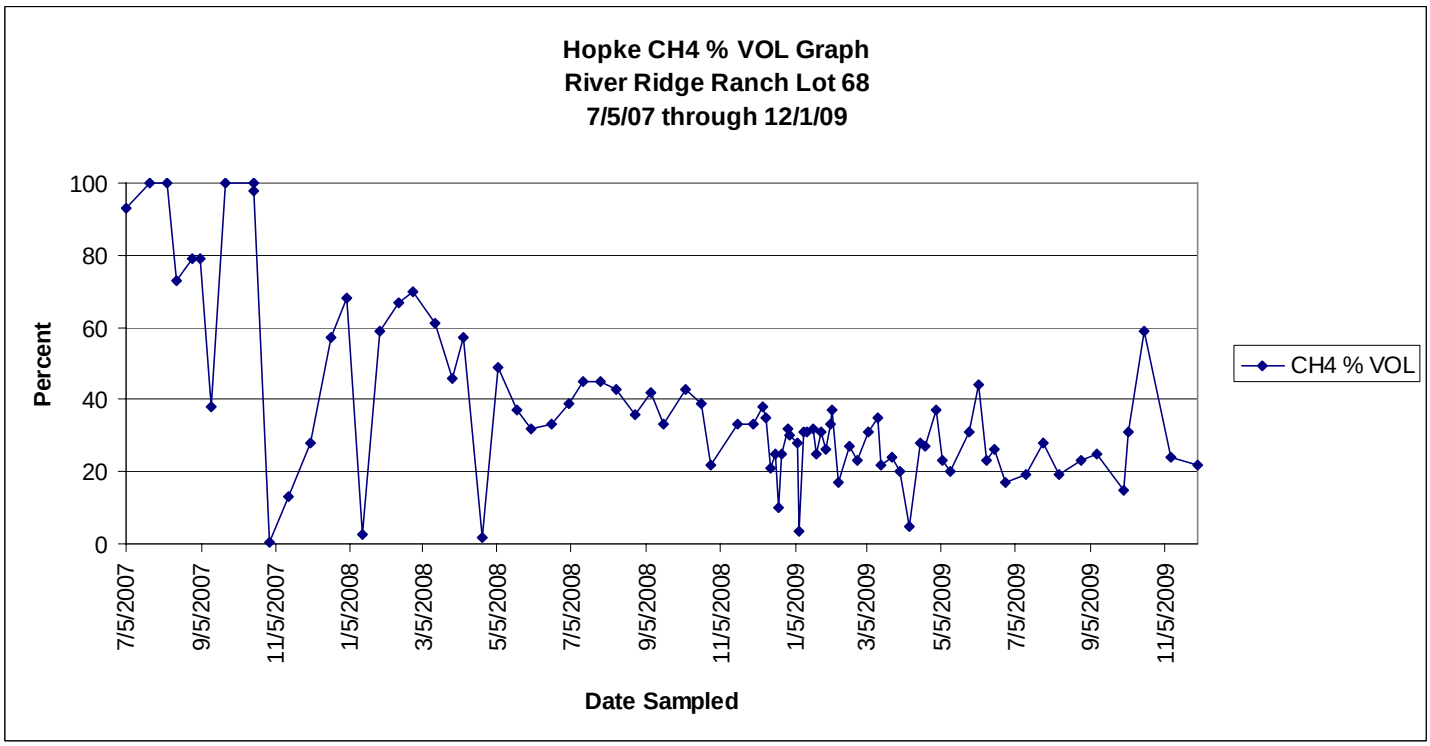

McPherson % LEL Graph
7/6/07 through 11/9/09
Percent
100
80
60
40
20
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
% LEL

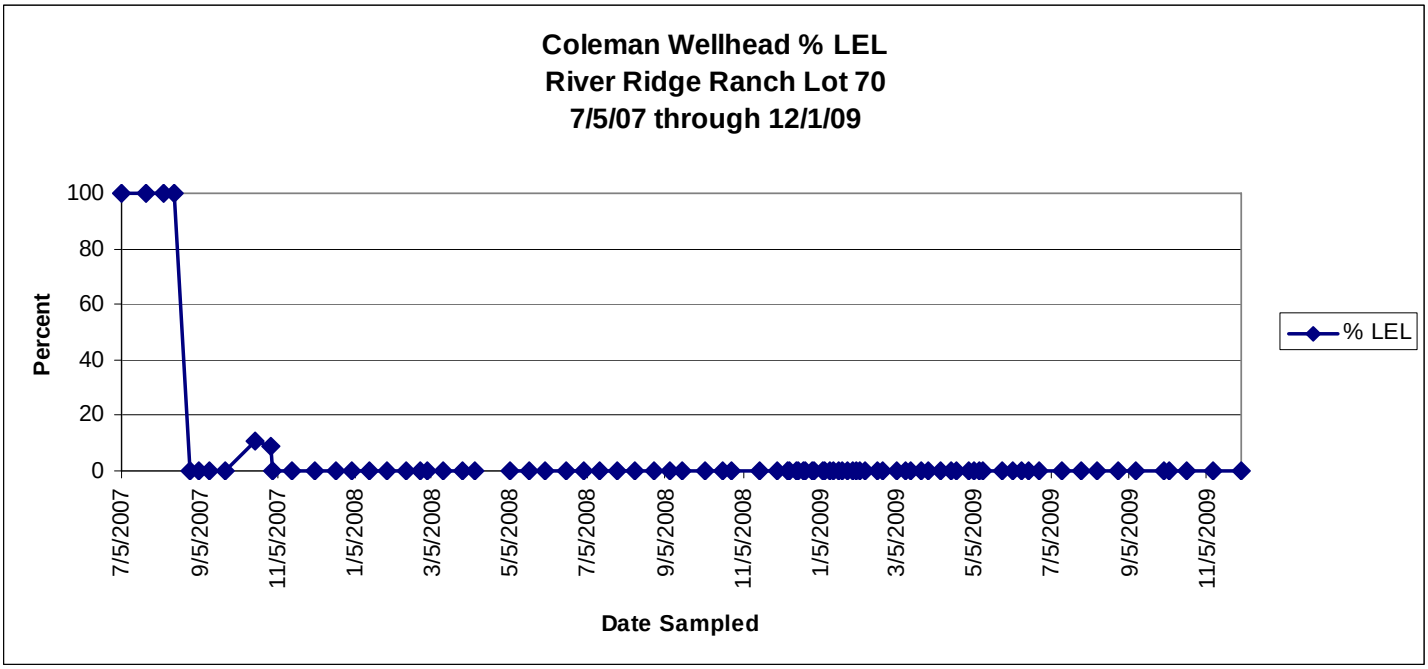

McPherson CH4 % VOL Graph
7/6/07 through 11/9/09
Percent
5
4
3
2
1
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
CH4 % VOL

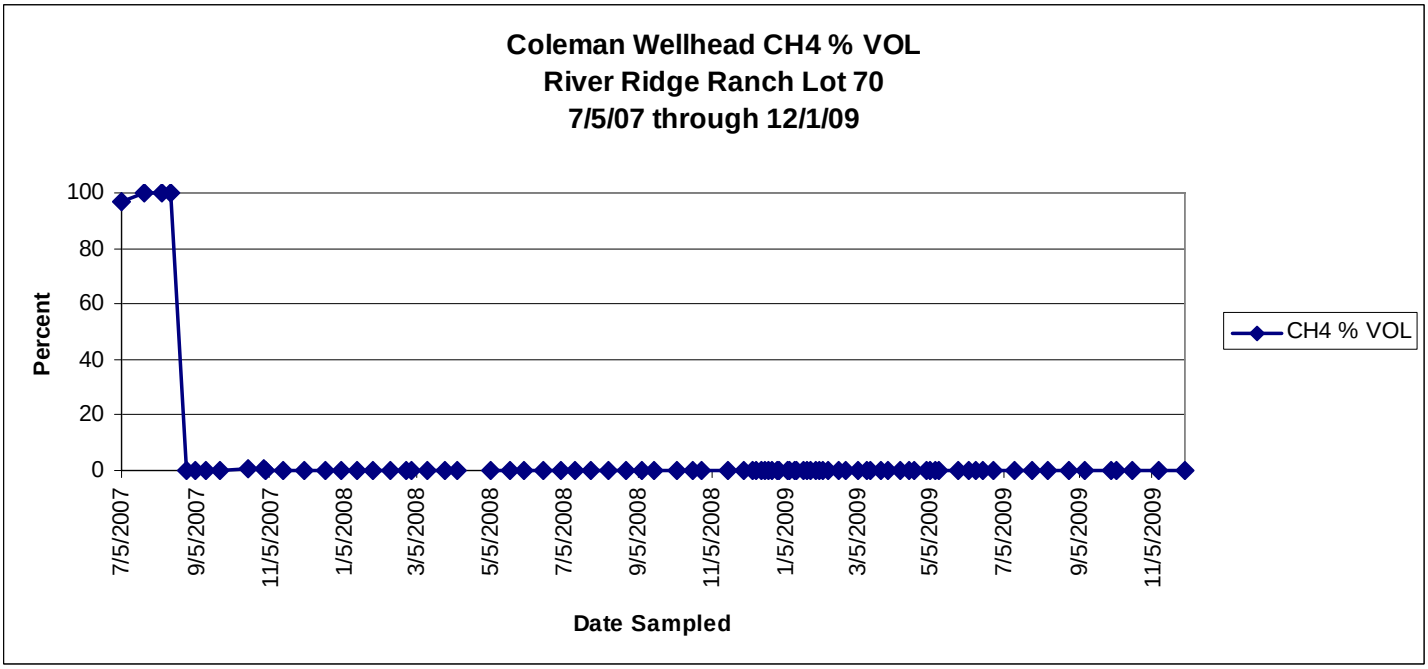

Houghtling % LEL Graph
River Ridge Ranch Lot 52
7/24/07 through 12/1/09
Percent
Date Sampled
% LEL

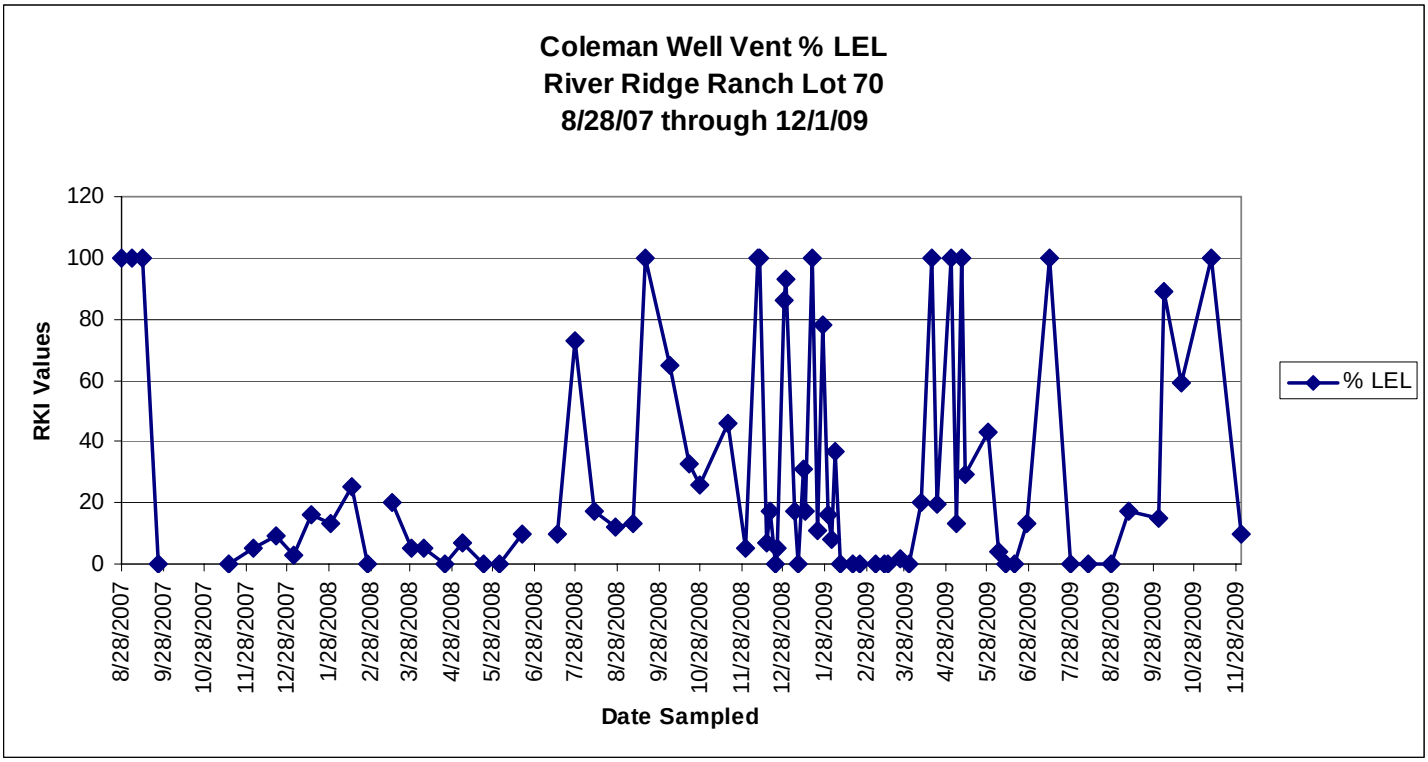

Houghtling CH4 % VOL Graph
River Ridge Ranch Lot 52
7/24/07 through 12/1/09
Percent
Date Sampled
CH4 % VOL

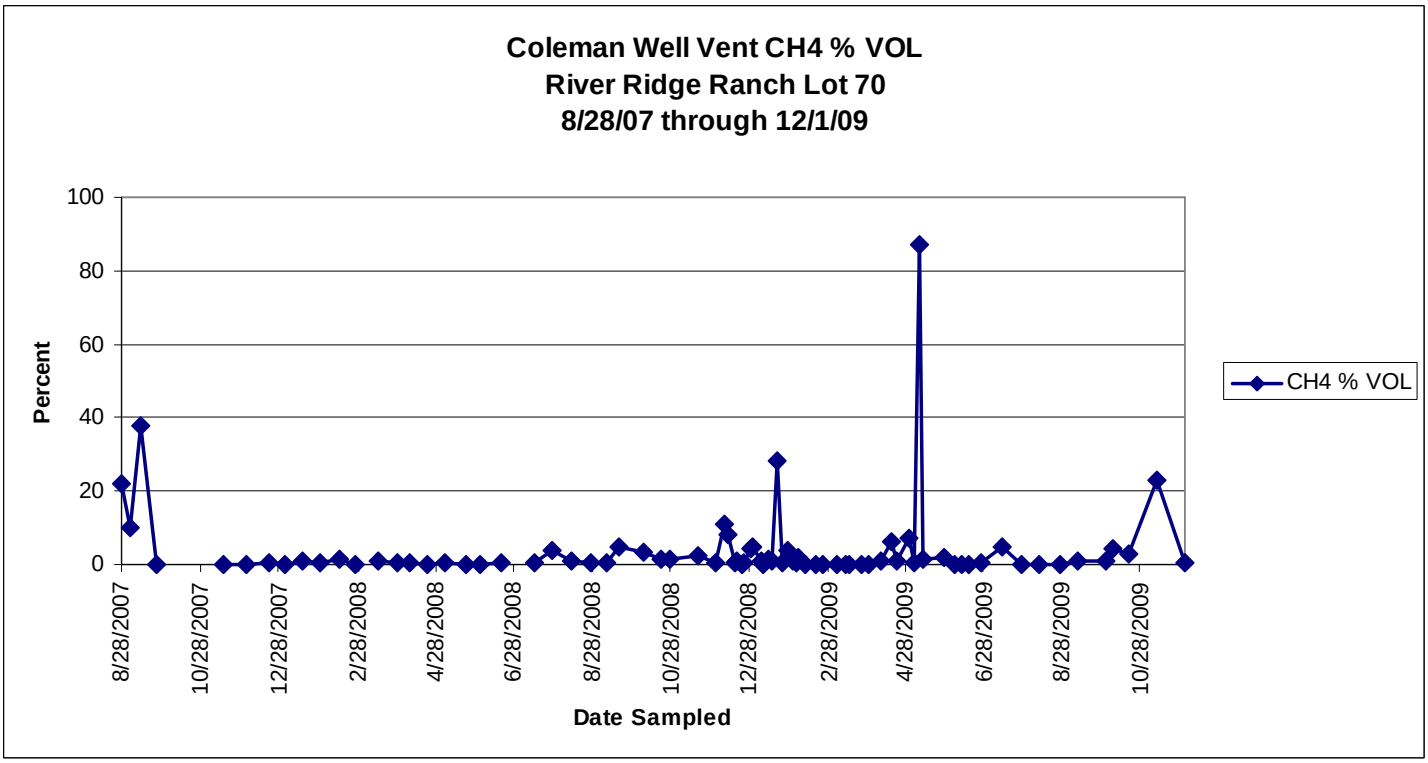

Hopke % LEL Graph
River Ridge Ranch Lot 68
7/5/07 through 12/1/09
Percent
100
80
60
40
20
0
7/5/2007
9/5/2007
11/5/2007
1/5/2008
3/5/2008
5/5/2008
7/5/2008
9/5/2008
11/5/2008
1/5/2009
3/5/2009
5/5/2009
7/5/2009
9/5/2009
11/5/2009
Date Sampled
% LEL

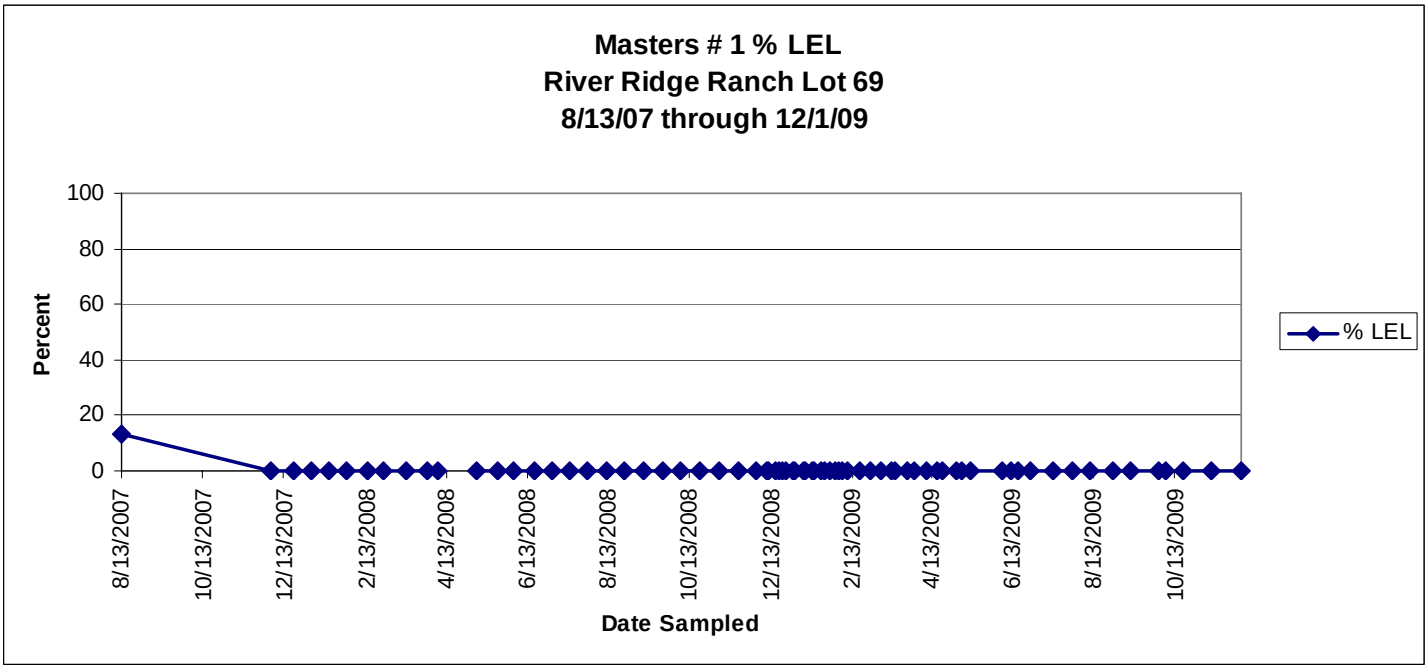

Hopke CH4 % VOL Graph
River Ridge Ranch Lot 68
7/5/07 through 12/1/09
Percent
100
80
60
40
20
0
7/5/2007
9/5/2007
11/5/2007
1/5/2008
3/5/2008
5/5/2008
7/5/2008
9/5/2008
11/5/2008
1/5/2009
3/5/2009
5/5/2009
7/5/2009
9/5/2009
11/5/2009
Date Sampled
CH4 % VOL

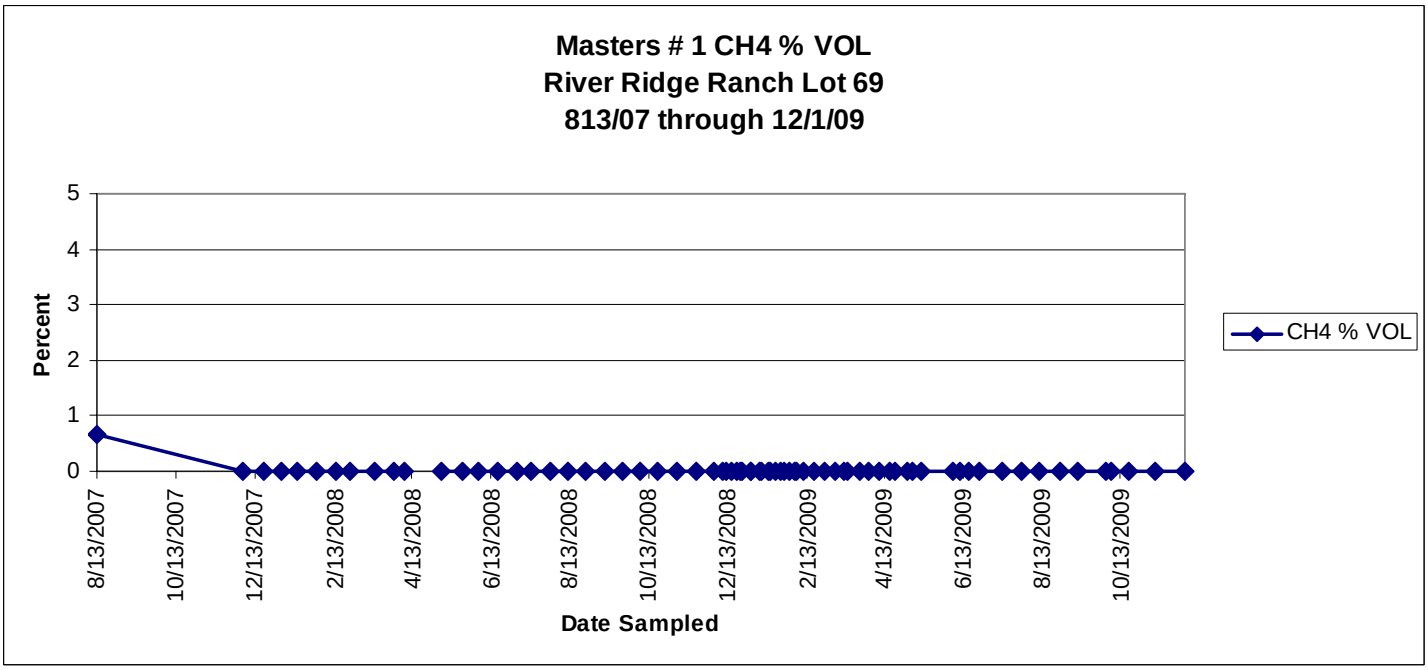

Coleman Wellhead % LEL
River Ridge Ranch Lot 70
7/5/07 through 12/1/09
Percent
100
80
60
40
20
0
7/5/2007
9/5/2007
11/5/2007
1/5/2008
3/5/2008
5/5/2008
7/5/2008
9/5/2008
11/5/2008
1/5/2009
3/5/2009
5/5/2009
7/5/2009
9/5/2009
11/5/2009
Date Sampled
% LEL

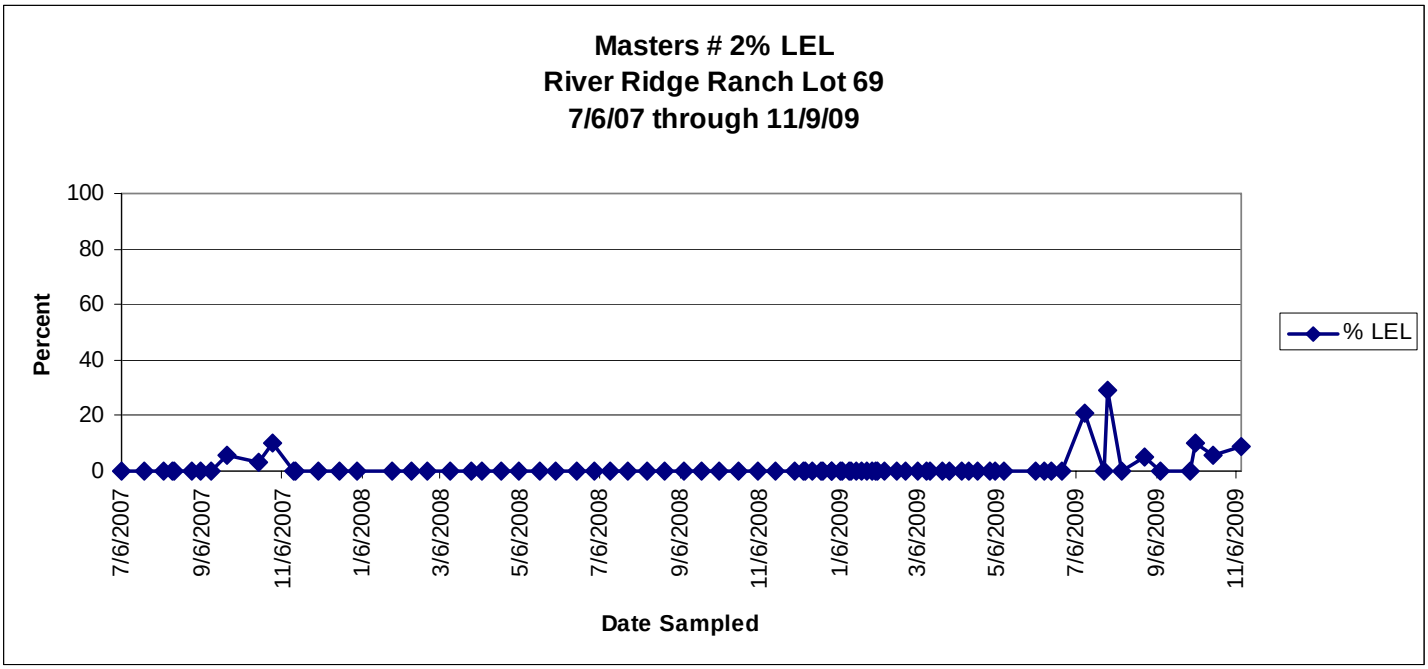

Coleman Wellhead CH4 % VOL
River Ridge Ranch Lot 70
7/5/07 through 12/1/09
Percent
100
80
60
40
20
0
7/5/2007
9/5/2007
11/5/2007
1/5/2008
3/5/2008
5/5/2008
7/5/2008
9/5/2008
11/5/2008
1/5/2009
3/5/2009
5/5/2009
7/5/2009
9/5/2009
11/5/2009
Date Sampled
CH4 % VOL

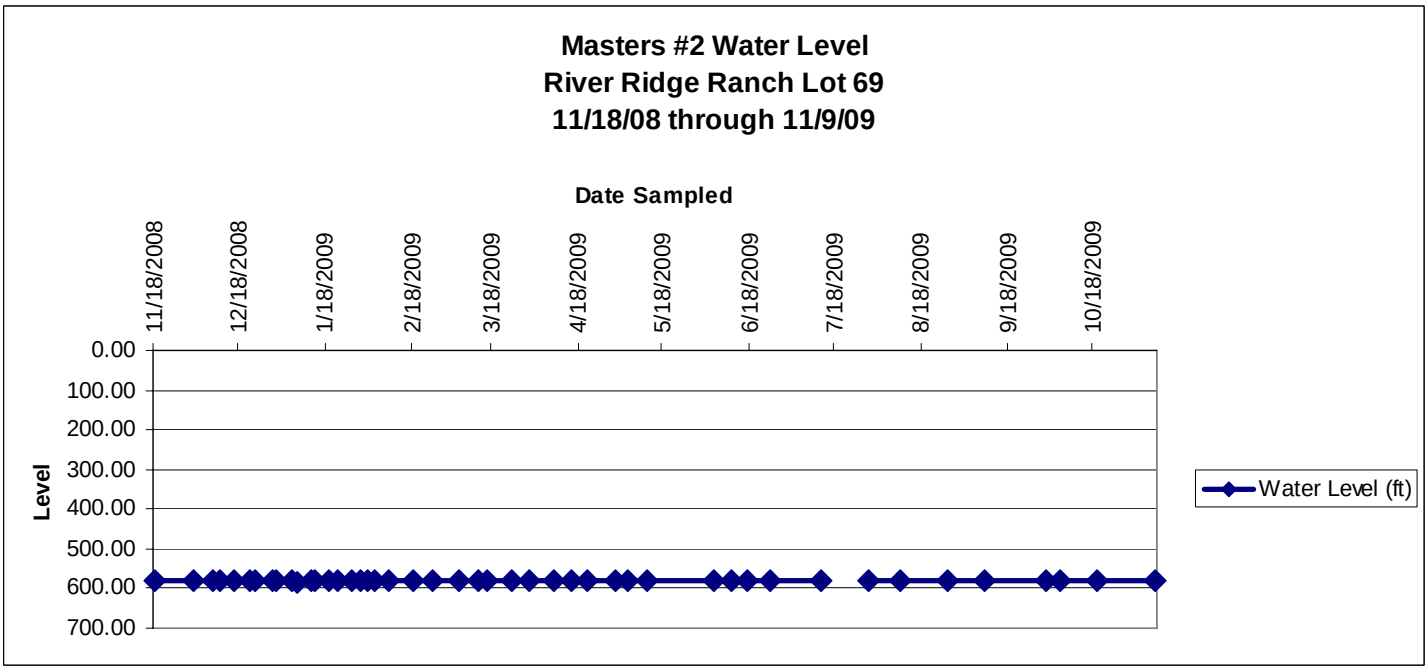

Coleman Well Vent % LEL
River Ridge Ranch Lot 70
8/28/07 through 12/1/09
RKI Values
120
100
80
60
40
20
0
8/28/2007
9/28/2007
10/28/2007
11/28/2007
12/28/2007
1/28/2008
2/28/2008
3/28/2008
4/28/2008
5/28/2008
6/28/2008
7/28/2008
8/28/2008
9/28/2008
10/28/2008
11/28/2008
12/28/2008
1/28/2009
2/28/2009
3/28/2009
4/28/2009
5/28/2009
6/28/2009
7/28/2009
8/28/2009
9/28/2009
10/28/2009
11/28/2009
Date Sampled
% LEL

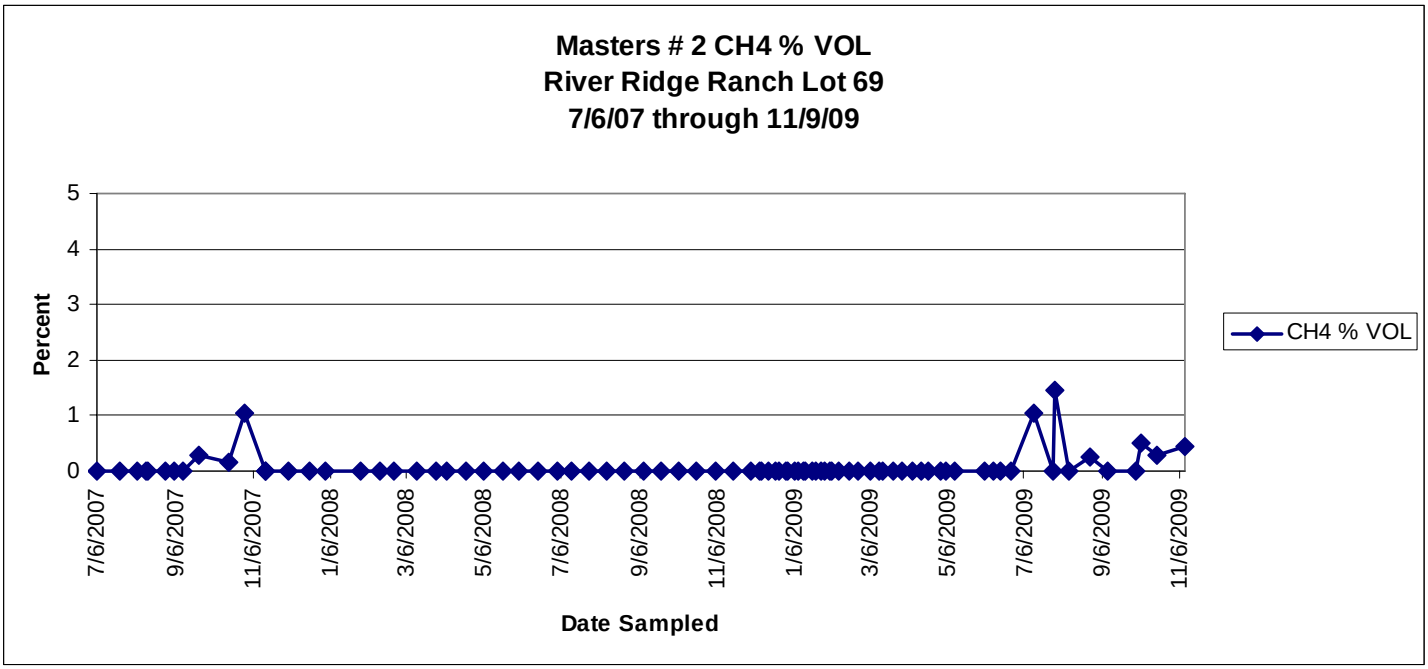

Coleman Well Vent CH4 % VOL
River Ridge Ranch Lot 70
8/28/07 through 12/1/09
Percent
100
80
60
40
20
0
8/28/2007
10/28/2007
12/28/2007
2/28/2008
4/28/2008
6/28/2008
8/28/2008
10/28/2008
12/28/2008
2/28/2009
4/28/2009
6/28/2009
8/28/2009
10/28/2009
Date Sampled
CH4 % VOL

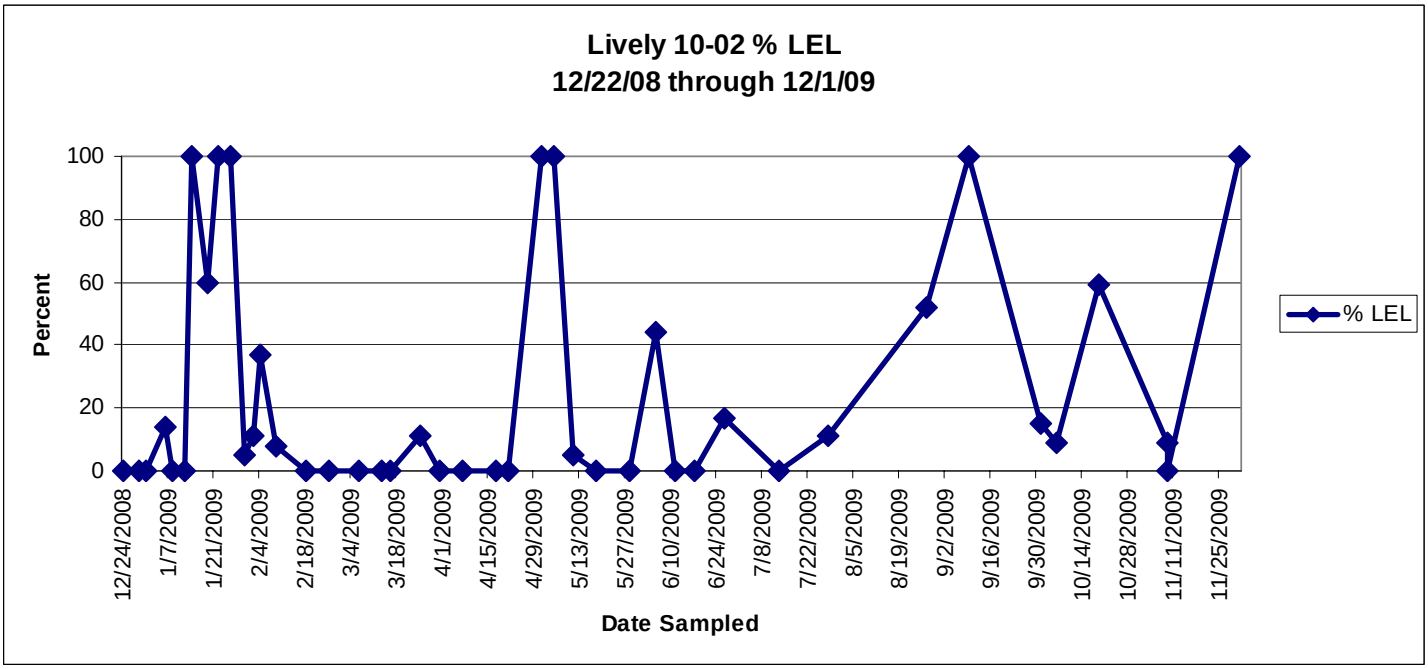

Masters # 1 % LEL
River Ridge Ranch Lot 69
8/13/07 through 12/1/09
Percent
100
80
60
40
20
0
8/13/2007
10/13/2007
12/13/2007
2/13/2008
4/13/2008
6/13/2008
8/13/2008
10/13/2008
12/13/2008
2/13/2009
4/13/2009
6/13/2009
8/13/2009
10/13/2009
Date Sampled
% LEL

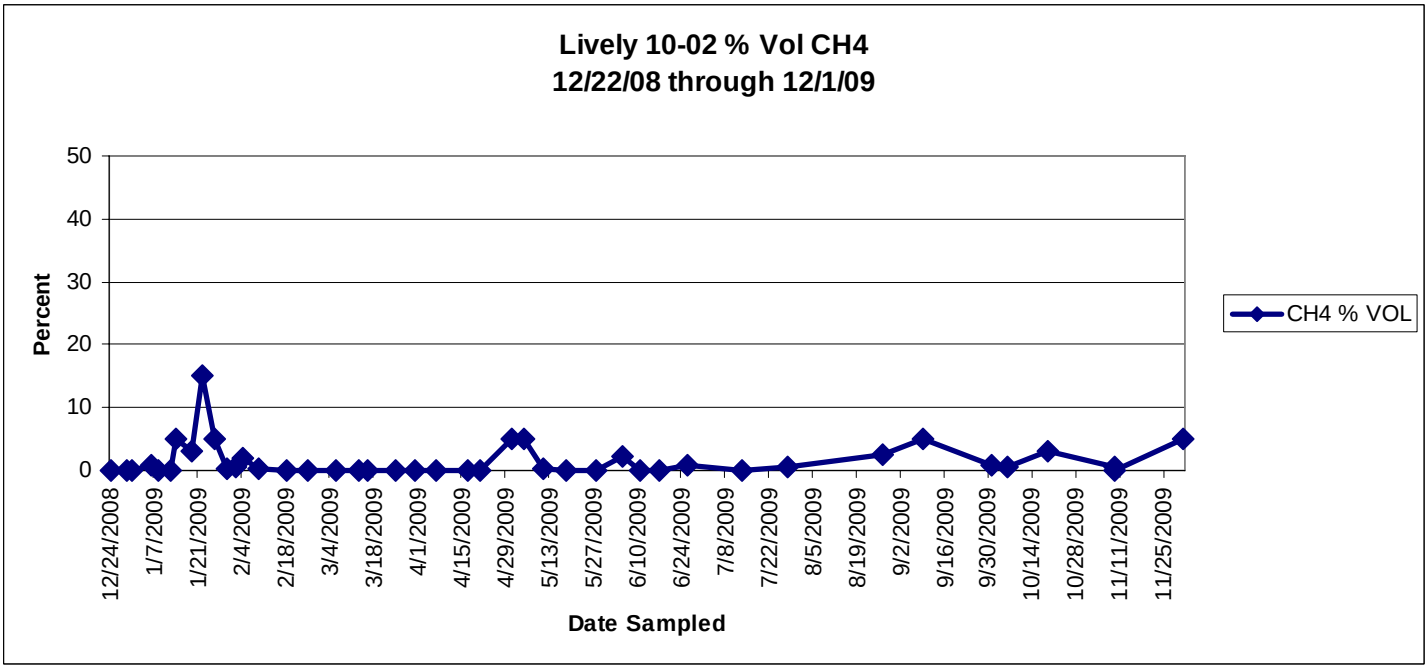

Masters # 1 CH4 % VOL
River Ridge Ranch Lot 69
813/07 through 12/1/09
Percent
5
4
3
2
1
0
8/13/2007
10/13/2007
12/13/2007
2/13/2008
4/13/2008
6/13/2008
8/13/2008
10/13/2008
12/13/2008
2/13/2009
4/13/2009
6/13/2009
8/13/2009
10/13/2009
Date Sampled
CH4 % VOL

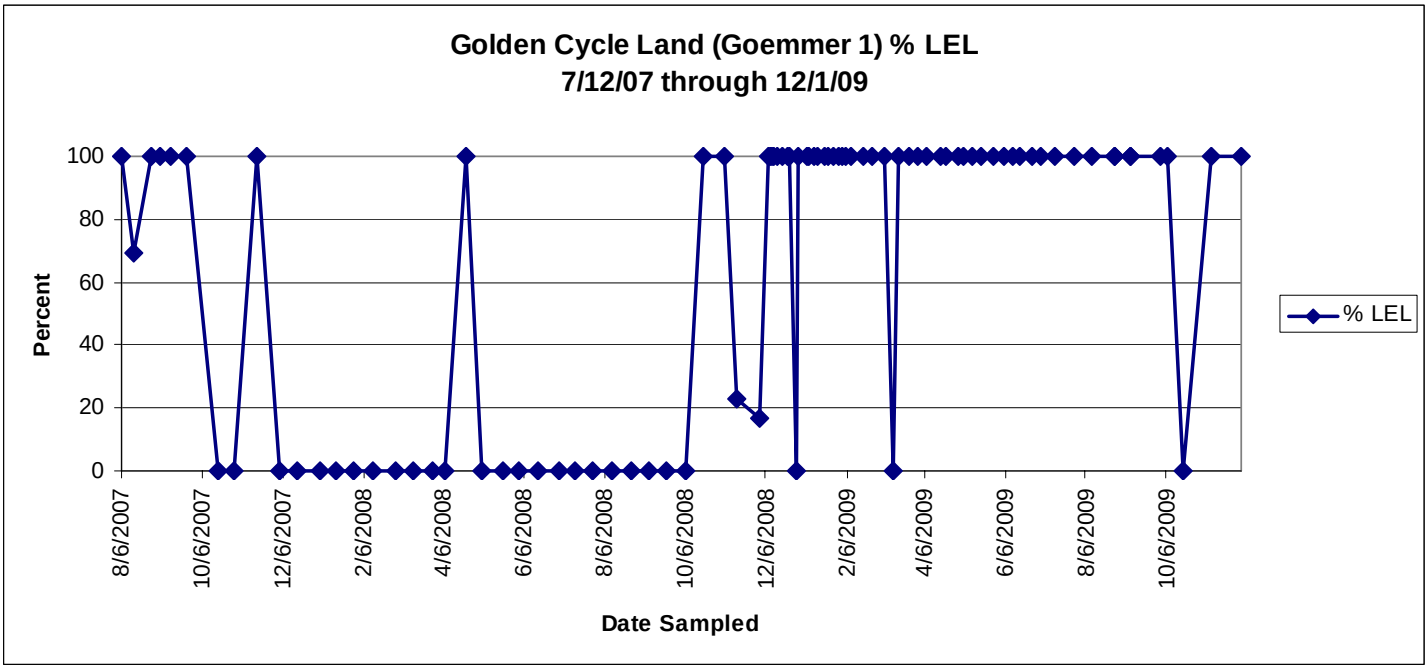

Masters # 2% LEL
River Ridge Ranch Lot 69
7/6/07 through 11/9/09
Percent
100
80
60
40
20
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
% LEL

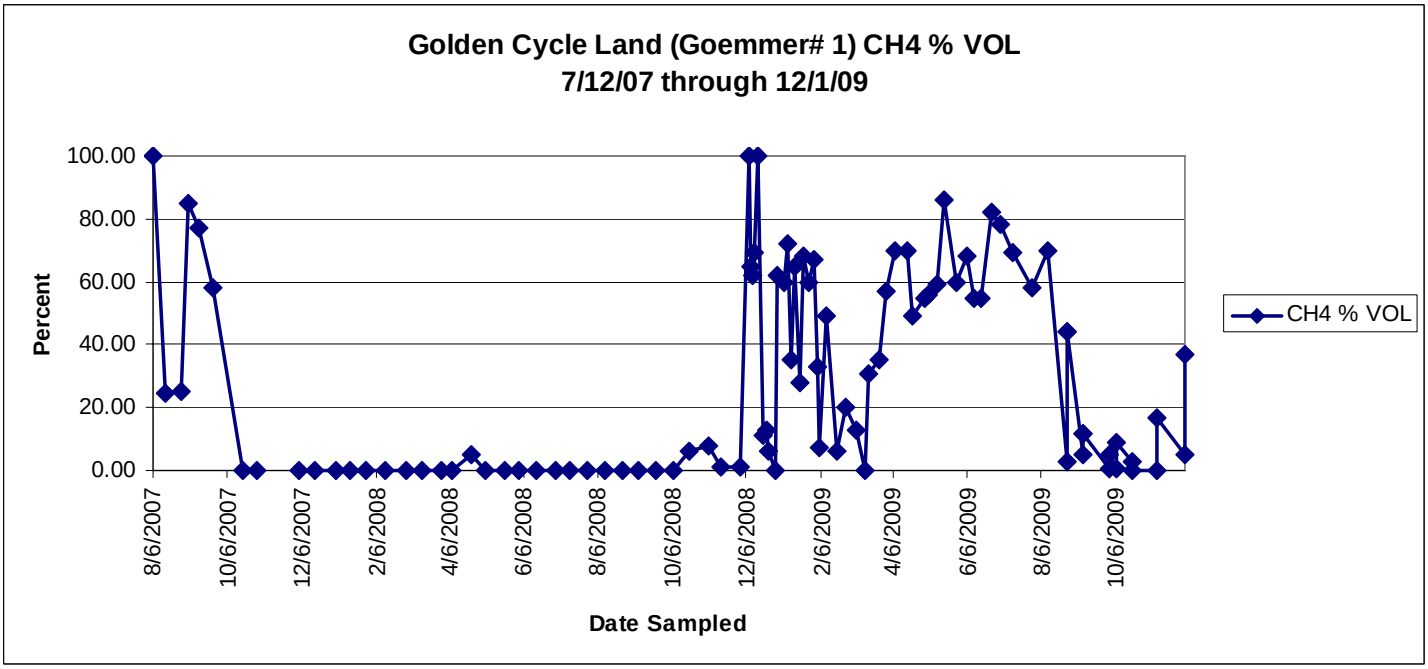

Masters #2 Water Level
River Ridge Ranch Lot 69
11/18/08 through 11/9/09
Date Sampled
11/18/2008
12/18/2008
1/18/2009
2/18/2009
3/18/2009
4/18/2009
5/18/2009
6/18/2009
7/18/2009
8/18/2009
9/18/2009
10/18/2009
Level
0.00
100.00
200.00
300.00
400.00
500.00
600.00
700.00
Water Level (ft)

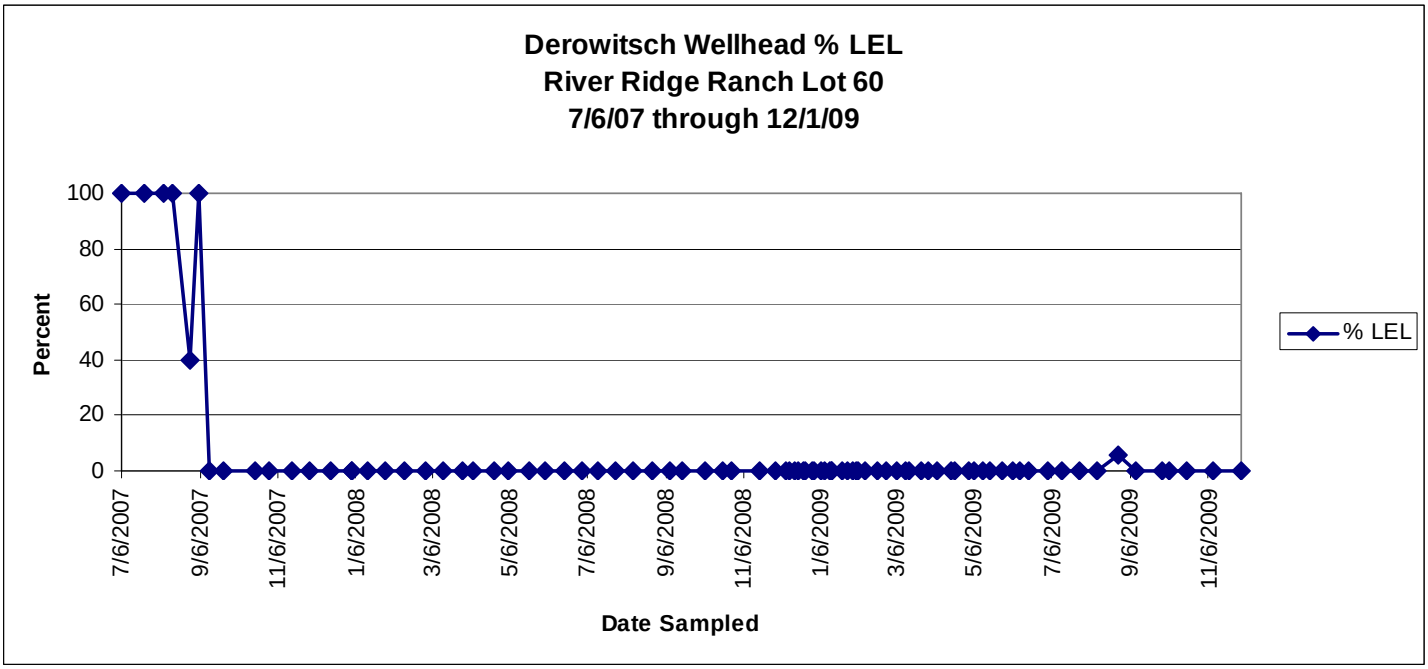

Masters # 2 CH4 % VOL
River Ridge Ranch Lot 69
7/6/07 through 11/9/09
Percent
5
4
3
2
1
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
CH4 % VOL

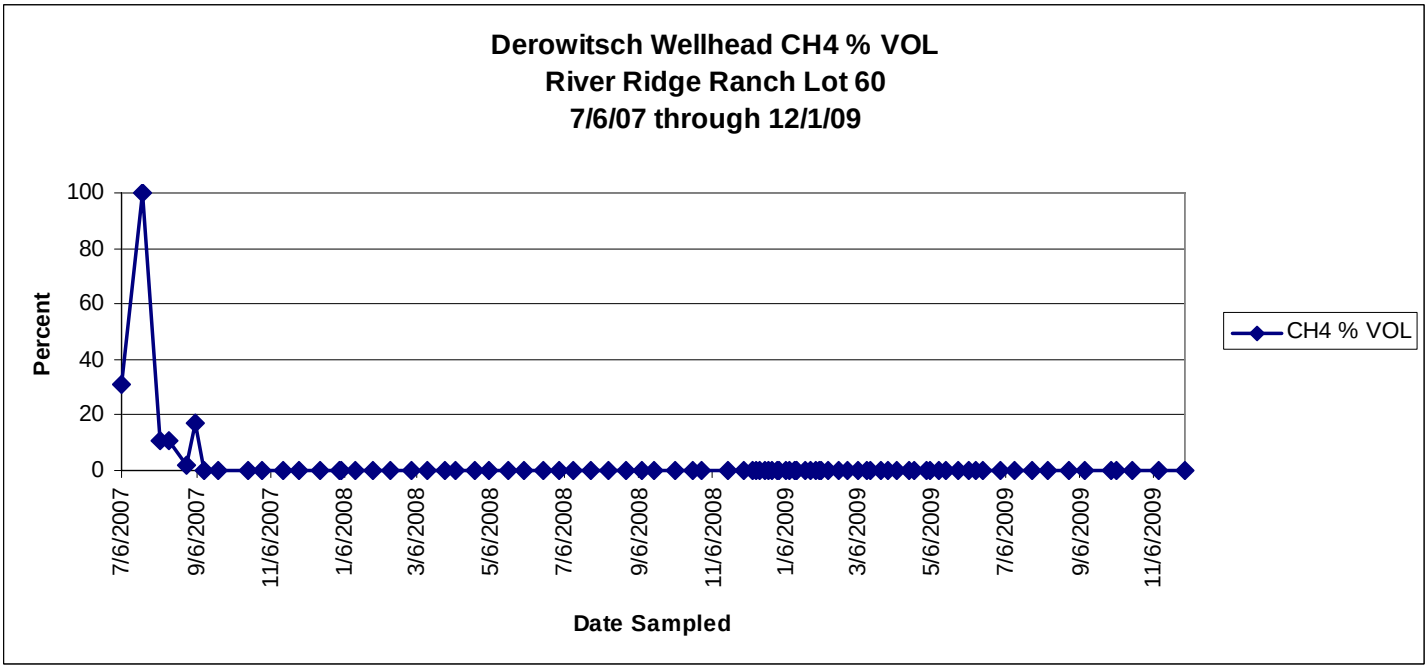

Lively 10-02 % LEL
12/22/08 through 12/1/09
Percent
100
80
60
40
20
0
12/24/2008
1/7/2009
1/21/2009
2/4/2009
2/18/2009
3/4/2009
3/18/2009
4/1/2009
4/15/2009
4/29/2009
5/13/2009
5/27/2009
6/10/2009
6/24/2009
7/8/2009
7/22/2009
8/5/2009
8/19/2009
9/2/2009
9/16/2009
9/30/2009
10/14/2009
10/28/2009
11/11/2009
11/25/2009
Date Sampled
% LEL

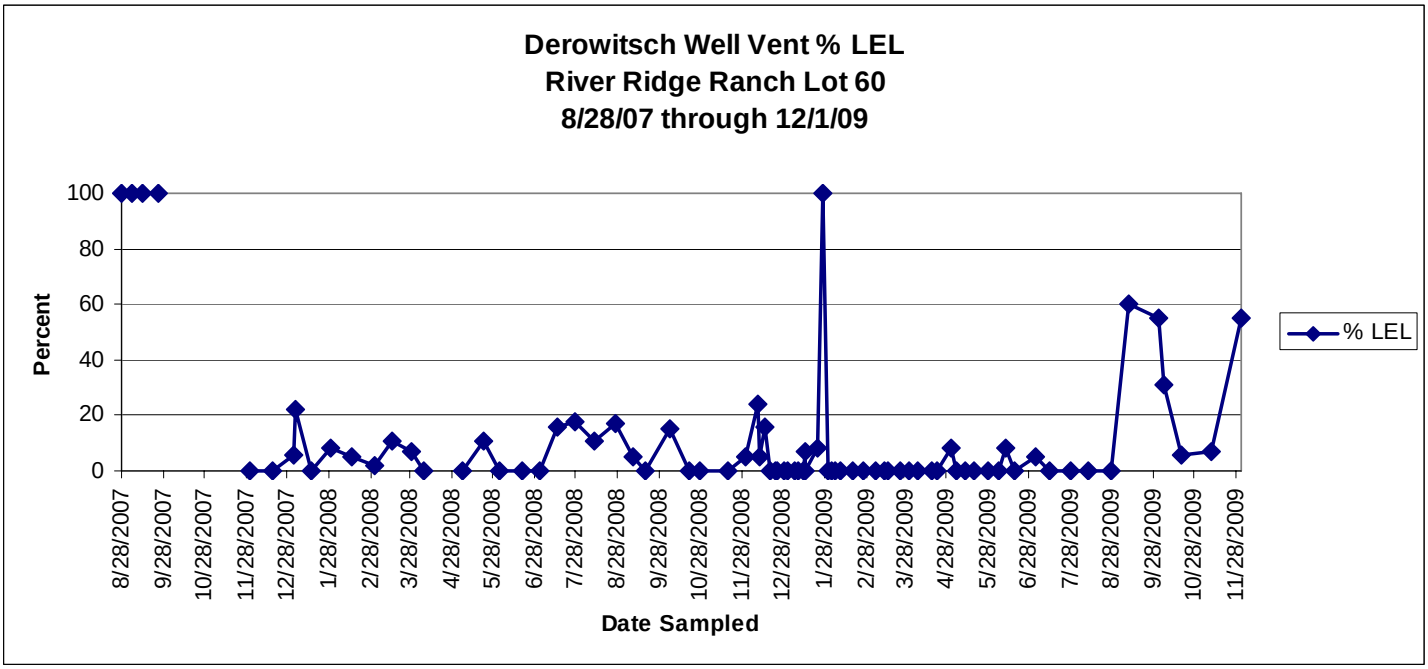

Lively 10-02 % Vol CH4
12/22/08 through 12/1/09
Percent
50
40
30
20
10
0
12/24/2008
1/7/2009
1/21/2009
2/4/2009
2/18/2009
3/4/2009
3/18/2009
4/1/2009
4/15/2009
4/29/2009
5/13/2009
5/27/2009
6/10/2009
6/24/2009
7/8/2009
7/22/2009
8/5/2009
8/19/2009
9/2/2009
9/16/2009
9/30/2009
10/14/2009
10/28/2009
11/11/2009
11/25/2009
Date Sampled
CH4 % VOL

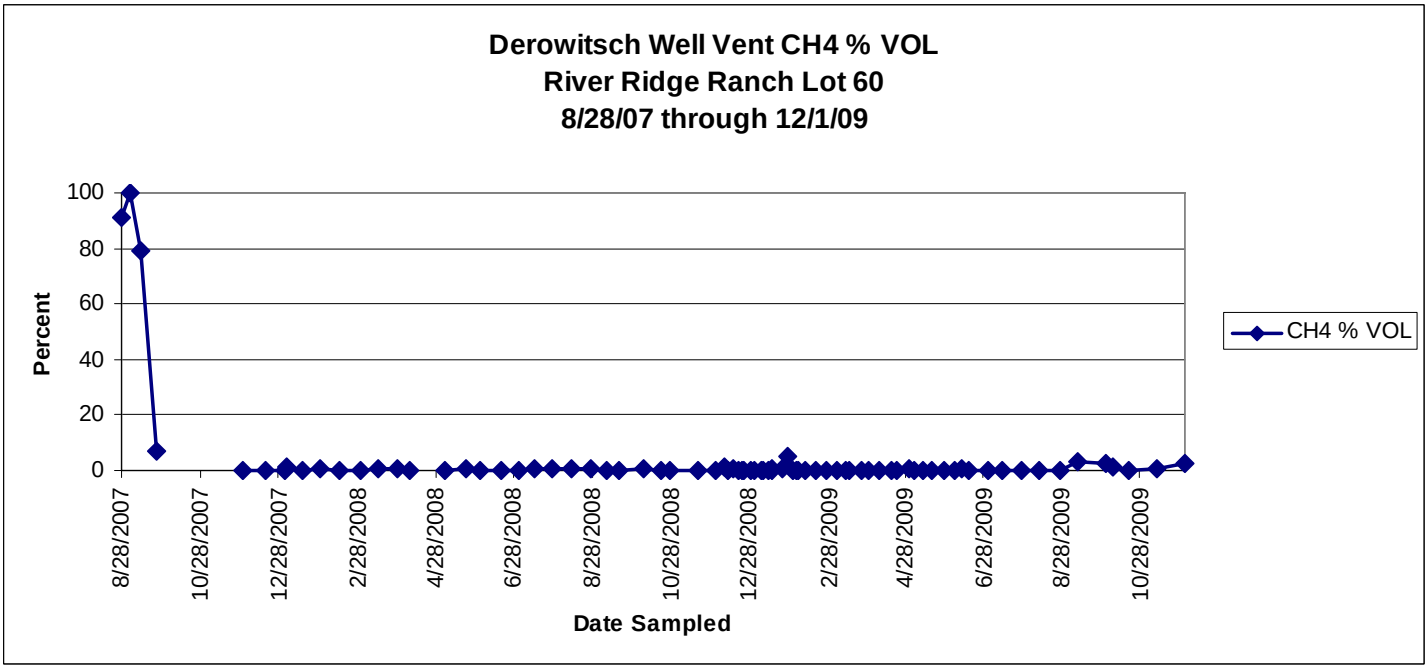

Golden Cycle Land (Goemmer 1) % LEL
7/12/07 through 12/1/09
Percent
100
80
60
40
20
0
8/6/2007
10/6/2007
12/6/2007
2/6/2008
4/6/2008
6/6/2008
8/6/2008
10/6/2008
12/6/2008
2/6/2009
4/6/2009
6/6/2009
8/6/2009
10/6/2009
Date Sampled
% LEL

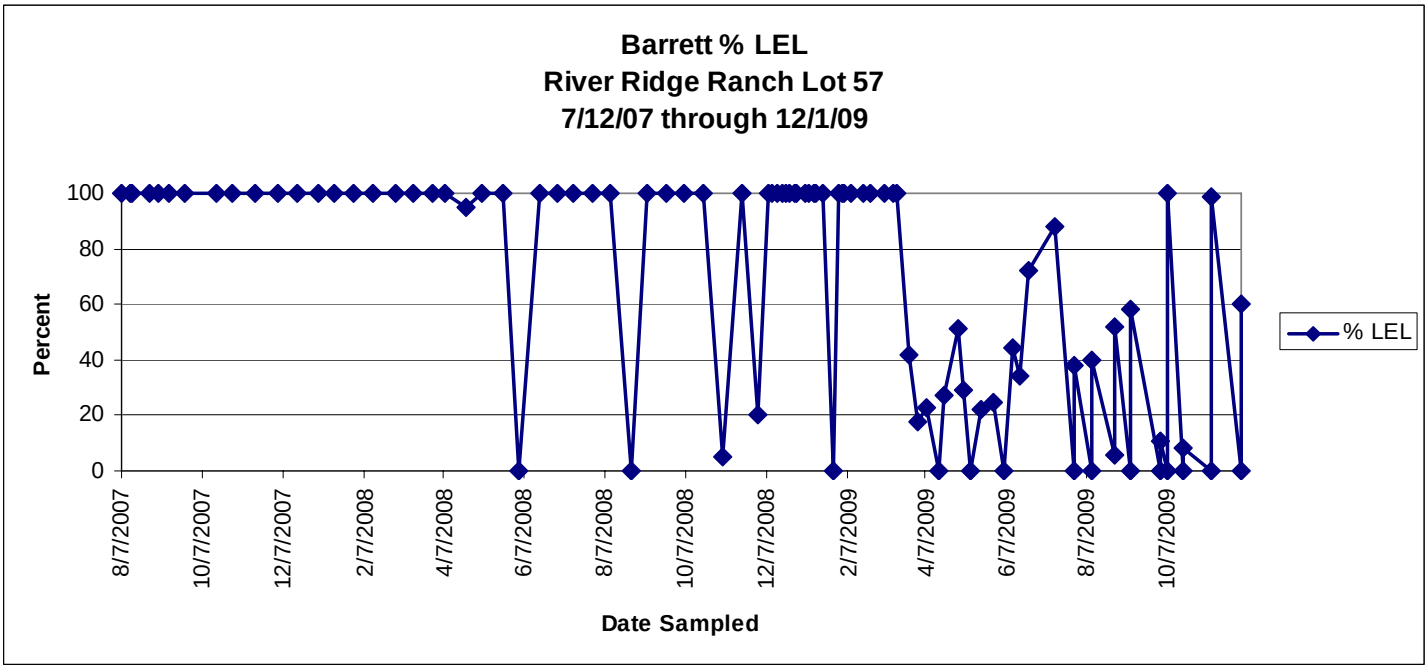

Golden Cycle Land (Goemmer# 1) CH4 % VOL
7/12/07 through 12/1/09
Percent
100.00
80.00
60.00
40.00
20.00
0.00
8/6/2007
10/6/2007
12/6/2007
2/6/2008
4/6/2008
6/6/2008
8/6/2008
10/6/2008
12/6/2008
2/6/2009
4/6/2009
6/6/2009
8/6/2009
10/6/2009
Date Sampled
CH4 % VOL

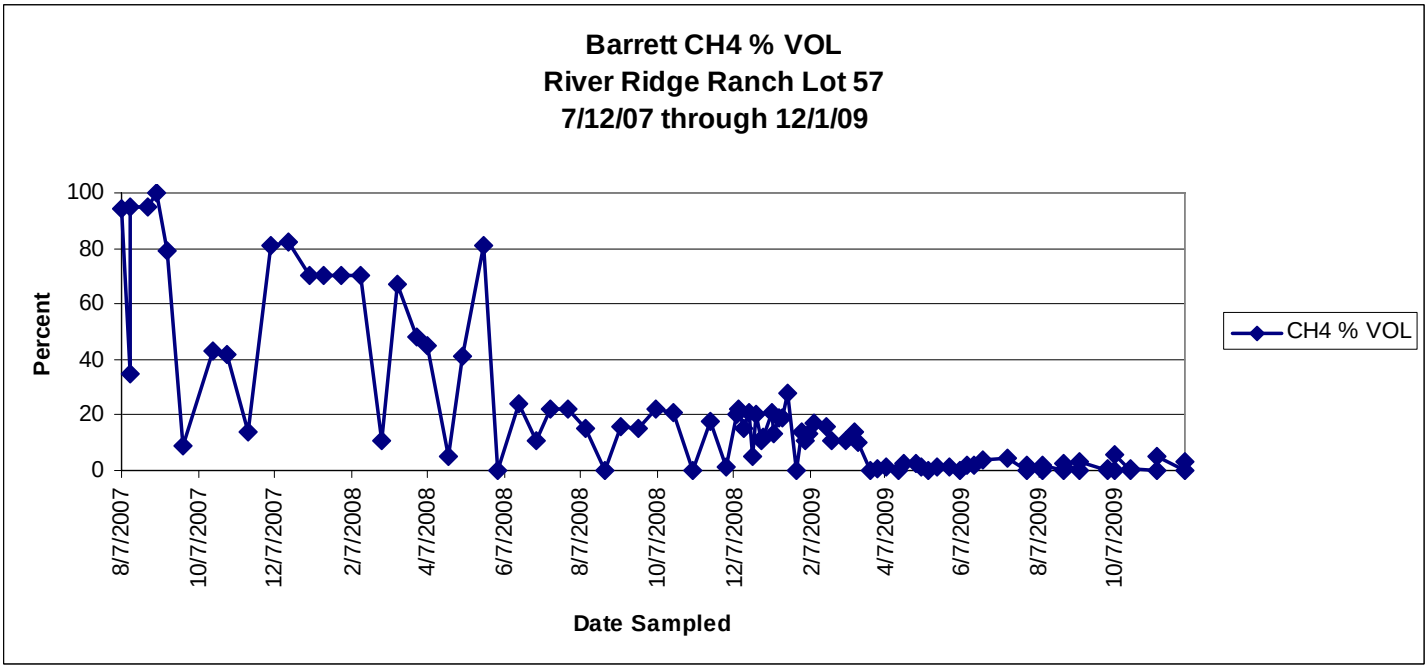

Derowitsch Wellhead % LEL
River Ridge Ranch Lot 60
7/6/07 through 12/1/09
Percent
100
80
60
40
20
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
% LEL

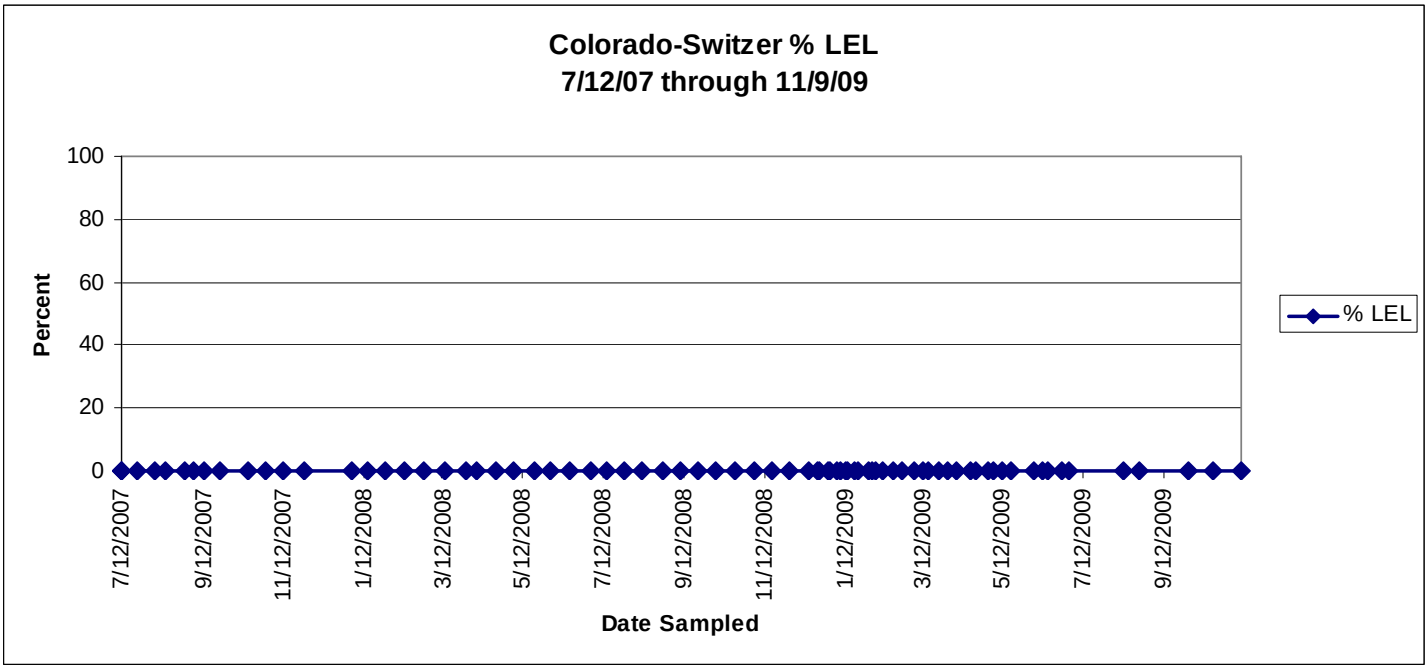

Derowitsch Wellhead CH4 % VOL
River Ridge Ranch Lot 60
7/6/07 through 12/1/09
Percent
100
80
60
40
20
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
CH4 % VOL

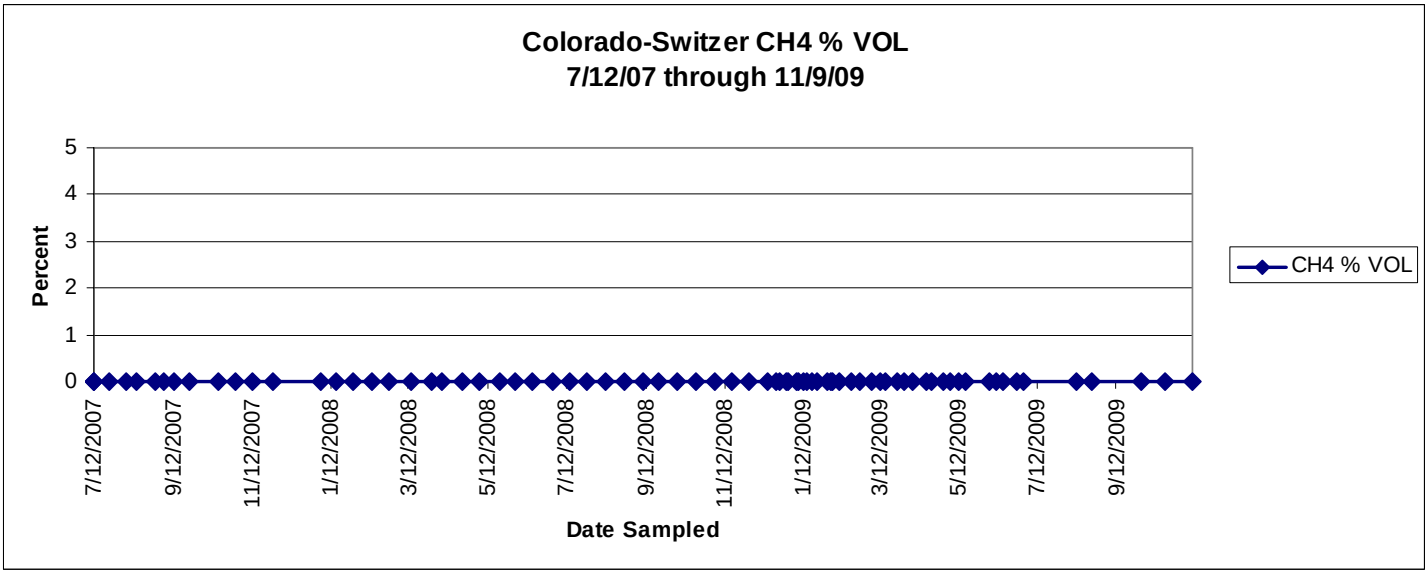

Derowitsch Well Vent % LEL
River Ridge Ranch Lot 60
8/28/07 through 12/1/09
Percent
100
80
60
40
20
0
8/28/2007
9/28/2007
10/28/2007
11/28/2007
12/28/2007
1/28/2008
2/28/2008
3/28/2008
4/28/2008
5/28/2008
6/28/2008
7/28/2008
8/28/2008
9/28/2008
10/28/2008
11/28/2008
12/28/2008
1/28/2009
2/28/2009
3/28/2009
4/28/2009
5/28/2009
6/28/2009
7/28/2009
8/28/2009
9/28/2009
10/28/2009
11/28/2009
Date Sampled
% LEL

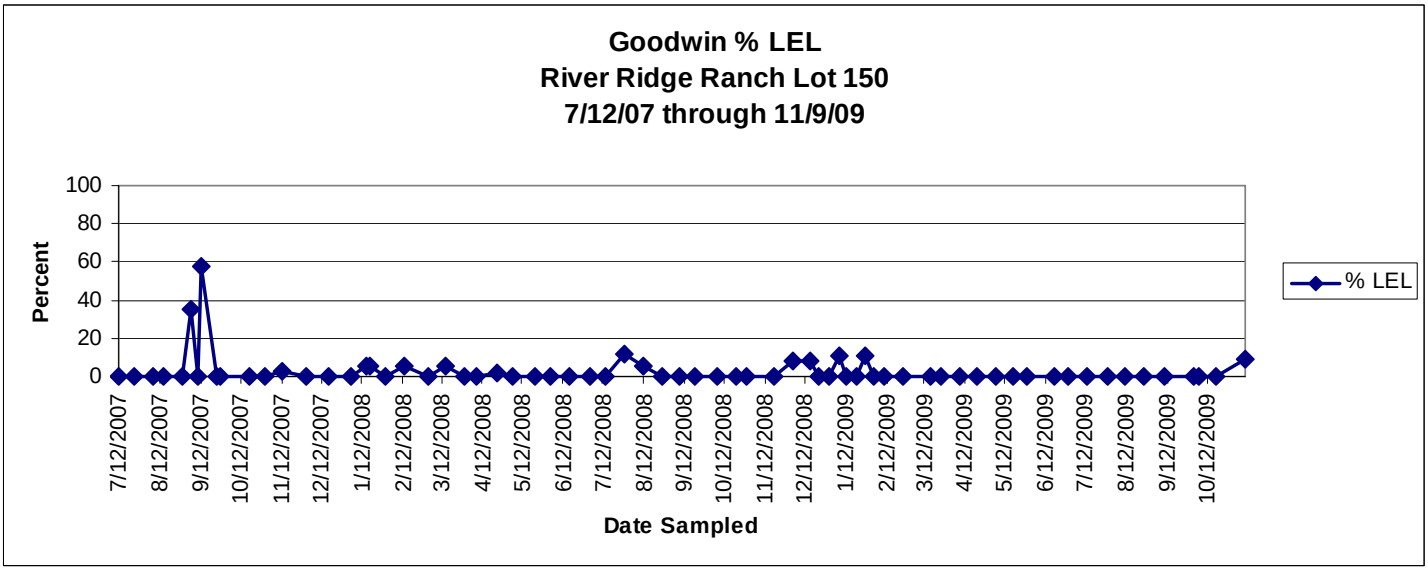

Derowitsch Well Vent CH4 % VOL
River Ridge Ranch Lot 60
8/28/07 through 12/1/09
Percent
100
80
60
40
20
0
8/28/2007
10/28/2007
12/28/2007
2/28/2008
4/28/2008
6/28/2008
8/28/2008
10/28/2008
12/28/2008
2/28/2009
4/28/2009
6/28/2009
8/28/2009
10/28/2009
Date Sampled
CH4 % VOL

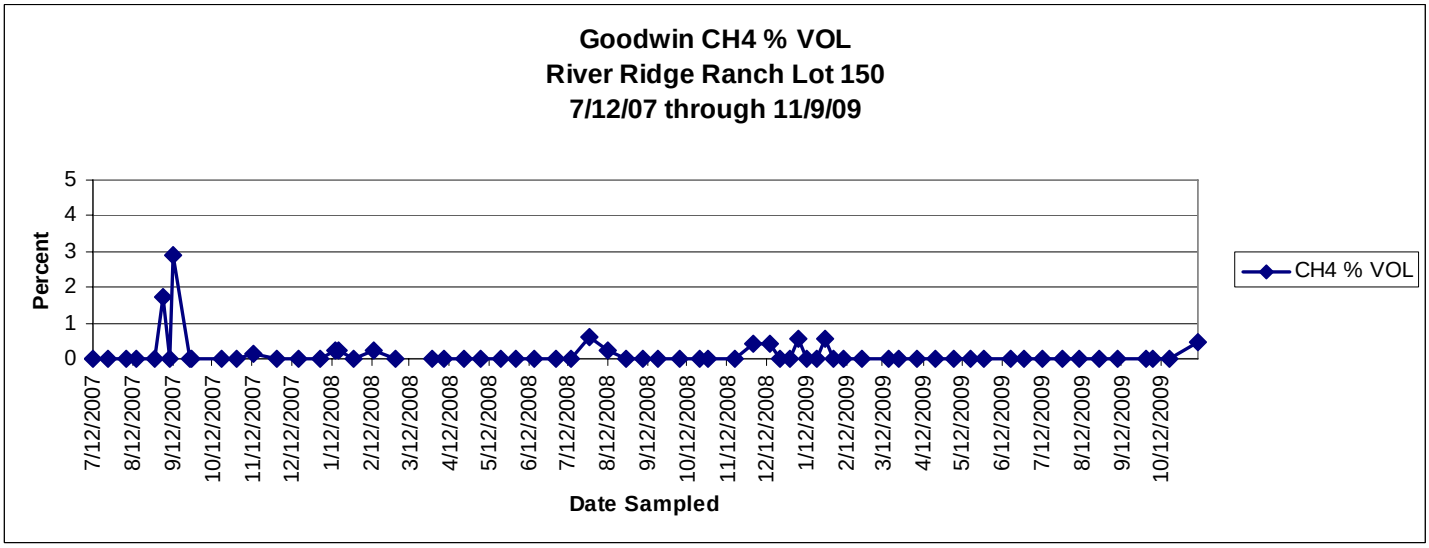

Barrett % LEL
River Ridge Ranch Lot 57
7/12/07 through 12/1/09
Percent
100
80
60
40
20
0
8/7/2007
10/7/2007
12/7/2007
2/7/2008
4/7/2008
6/7/2008
8/7/2008
10/7/2008
12/7/2008
2/7/2009
4/7/2009
6/7/2009
8/7/2009
10/7/2009
Date Sampled
% LEL

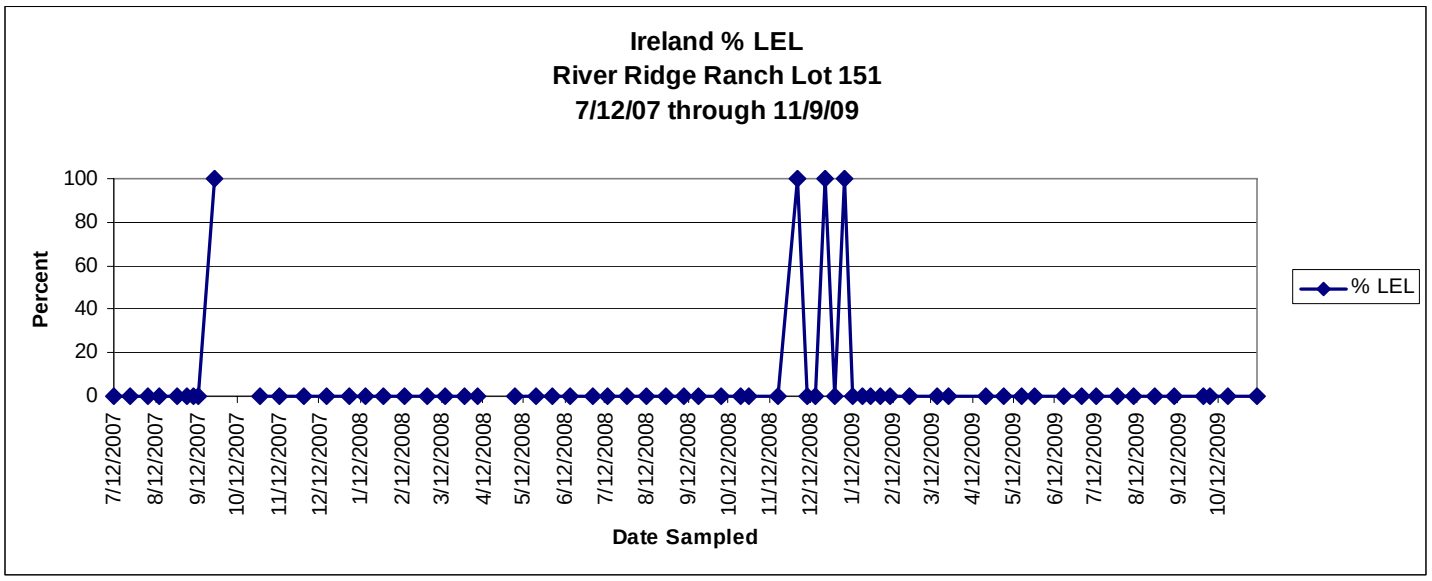

Barrett CH4 % VOL
River Ridge Ranch Lot 57
7/12/07 through 12/1/09
Percent
100
80
60
40
20
0
8/7/2007
10/7/2007
12/7/2007
2/7/2008
4/7/2008
6/7/2008
8/7/2008
10/7/2008
12/7/2008
2/7/2009
4/7/2009
6/7/2009
8/7/2009
10/7/2009
Date Sampled
CH4 % VOL

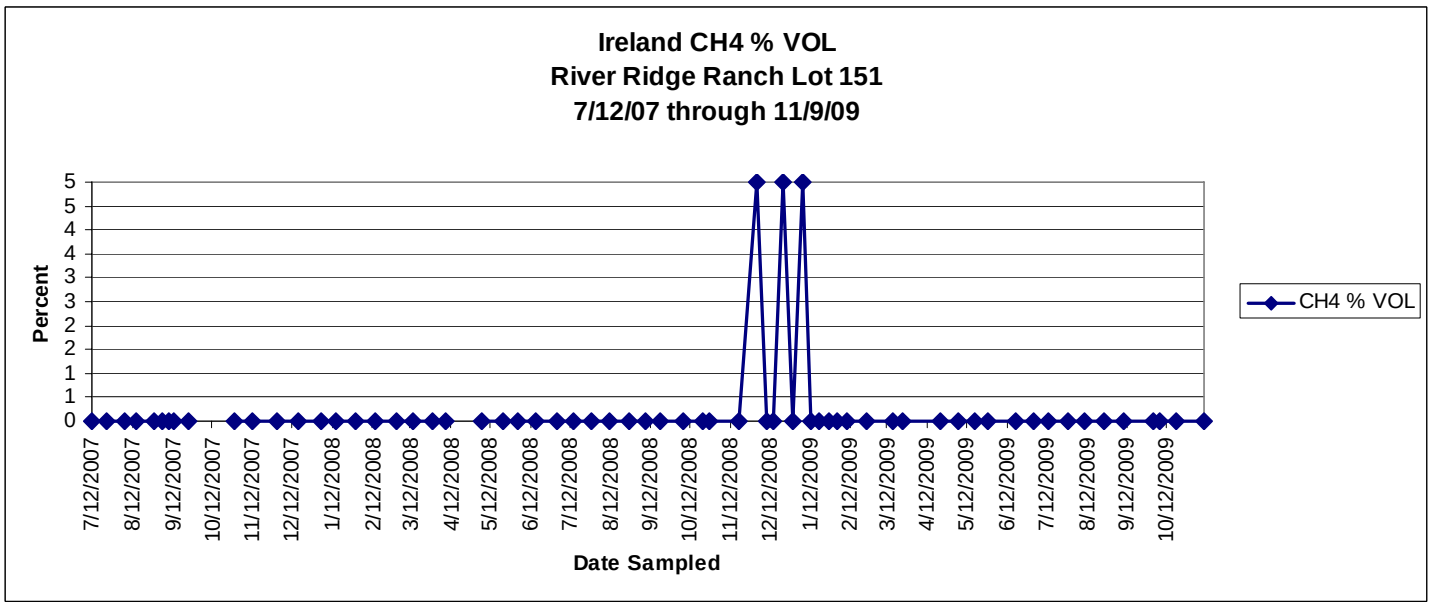

Colorado-Switzer % LEL
7/12/07 through 11/9/09
Percent
100
80
60
40
20
0
7/12/2007
9/12/2007
11/12/2007
1/12/2008
3/12/2008
5/12/2008
7/12/2008
9/12/2008
11/12/2008
1/12/2009
3/12/2009
5/12/2009
7/12/2009
9/12/2009
Date Sampled
% LEL

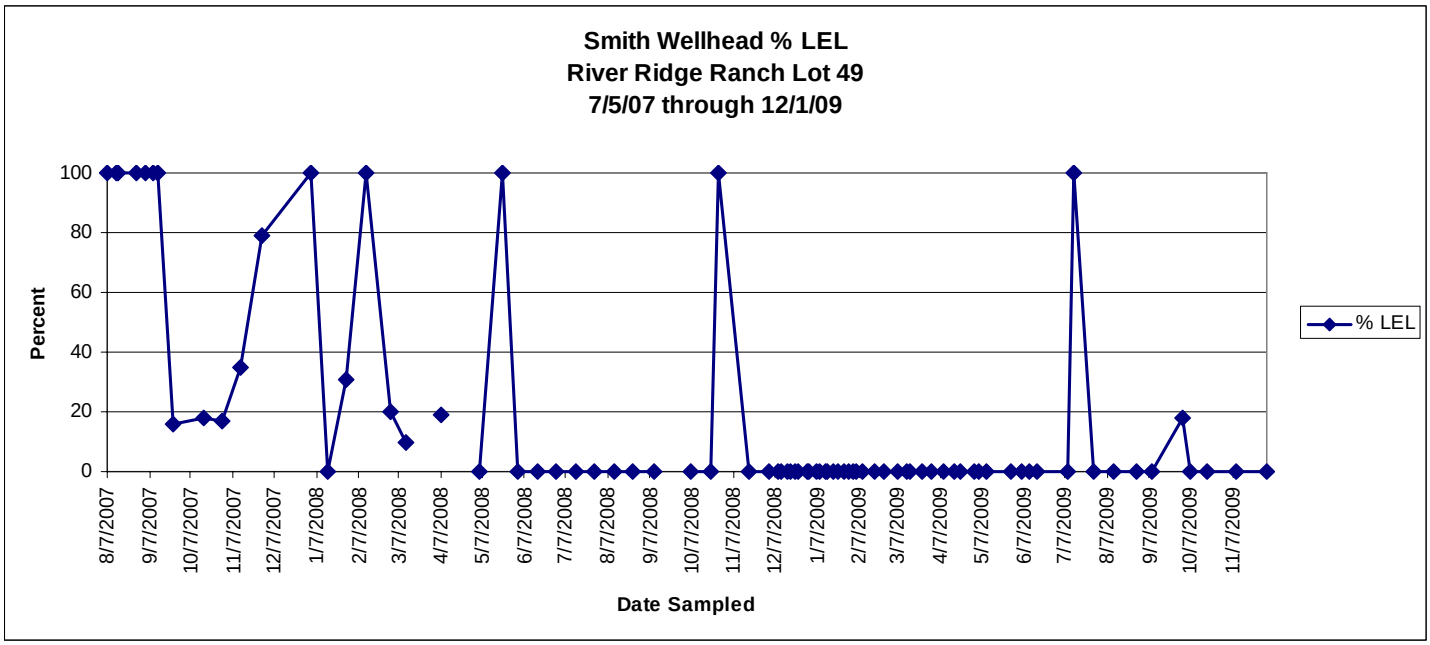

Colorado-Switzer CH4 % VOL
7/12/07 through 11/9/09
Percent
5
4
3
2
1
0
7/12/2007
9/12/2007
11/12/2007
1/12/2008
3/12/2008
5/12/2008
7/12/2008
9/12/2008
11/12/2008
1/12/2009
3/12/2009
5/12/2009
7/12/2009
9/12/2009
Date Sampled
CH4 % VOL

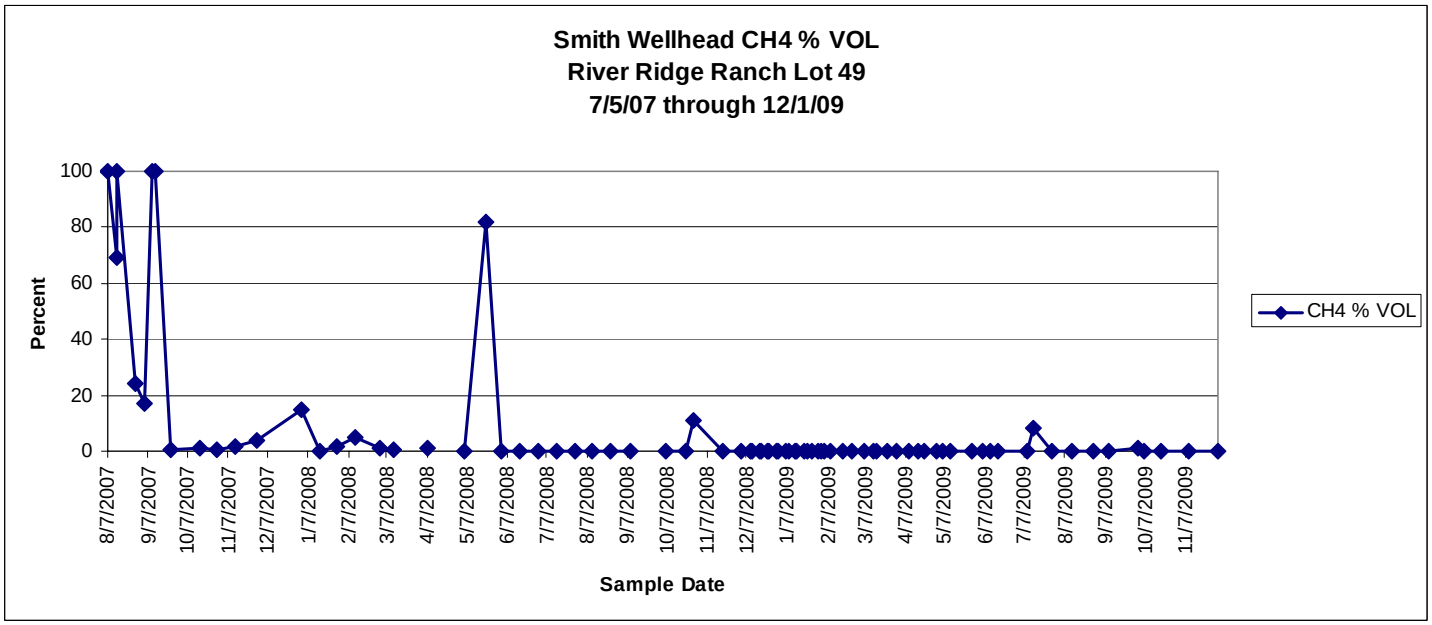

Goodwin % LEL
River Ridge Ranch Lot 150
7/12/07 through 11/9/09
Percent
100
80
60
40
20
0
7/12/2007
8/12/2007
9/12/2007
10/12/2007
11/12/2007
12/12/2007
1/12/2008
2/12/2008
3/12/2008
4/12/2008
5/12/2008
6/12/2008
7/12/2008
8/12/2008
9/12/2008
10/12/2008
11/12/2008
12/12/2008
1/12/2009
2/12/2009
3/12/2009
4/12/2009
5/12/2009
6/12/2009
7/12/2009
8/12/2009
9/12/2009
10/12/2009
Date Sampled
% LEL

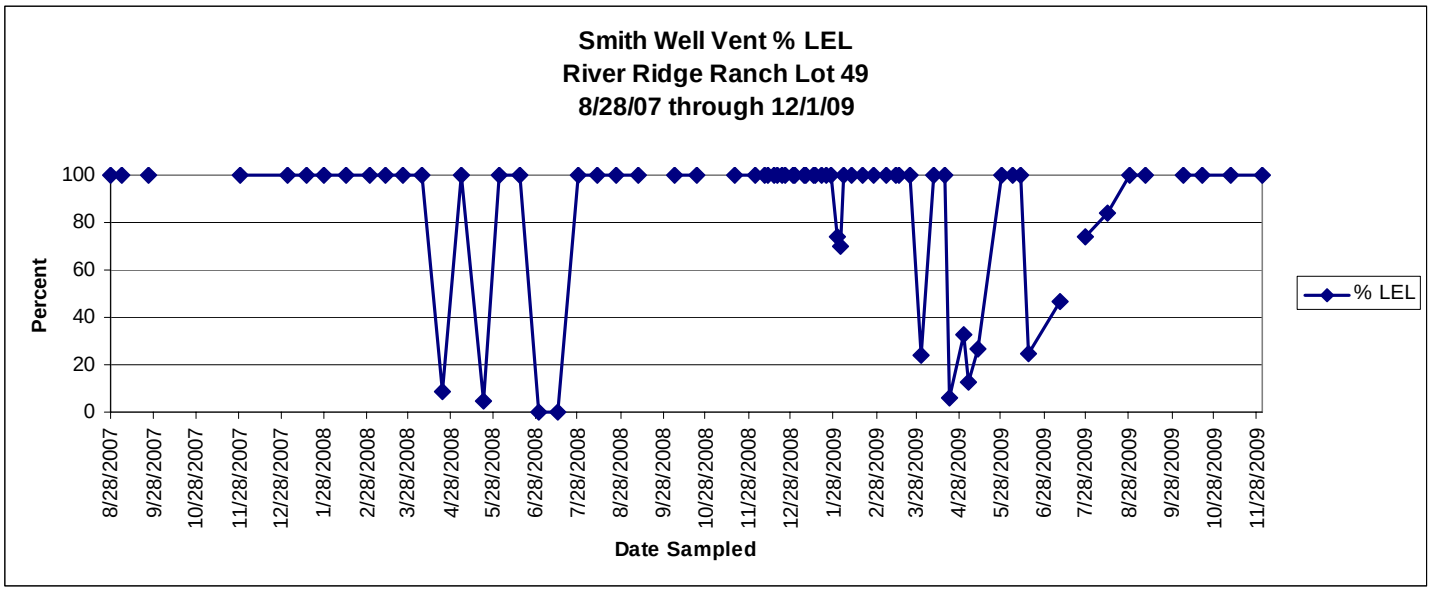

Goodwin CH4 % VOL
River Ridge Ranch Lot 150
7/12/07 through 11/9/09
Percent
5
4
3
2
1
0
7/12/2007
8/12/2007
9/12/2007
10/12/2007
11/12/2007
12/12/2007
1/12/2008
2/12/2008
3/12/2008
4/12/2008
5/12/2008
6/12/2008
7/12/2008
8/12/2008
9/12/2008
10/12/2008
11/12/2008
12/12/2008
1/12/2009
2/12/2009
3/12/2009
4/12/2009
5/12/2009
6/12/2009
7/12/2009
8/12/2009
9/12/2009
10/12/2009
Date Sampled
CH4 % VOL

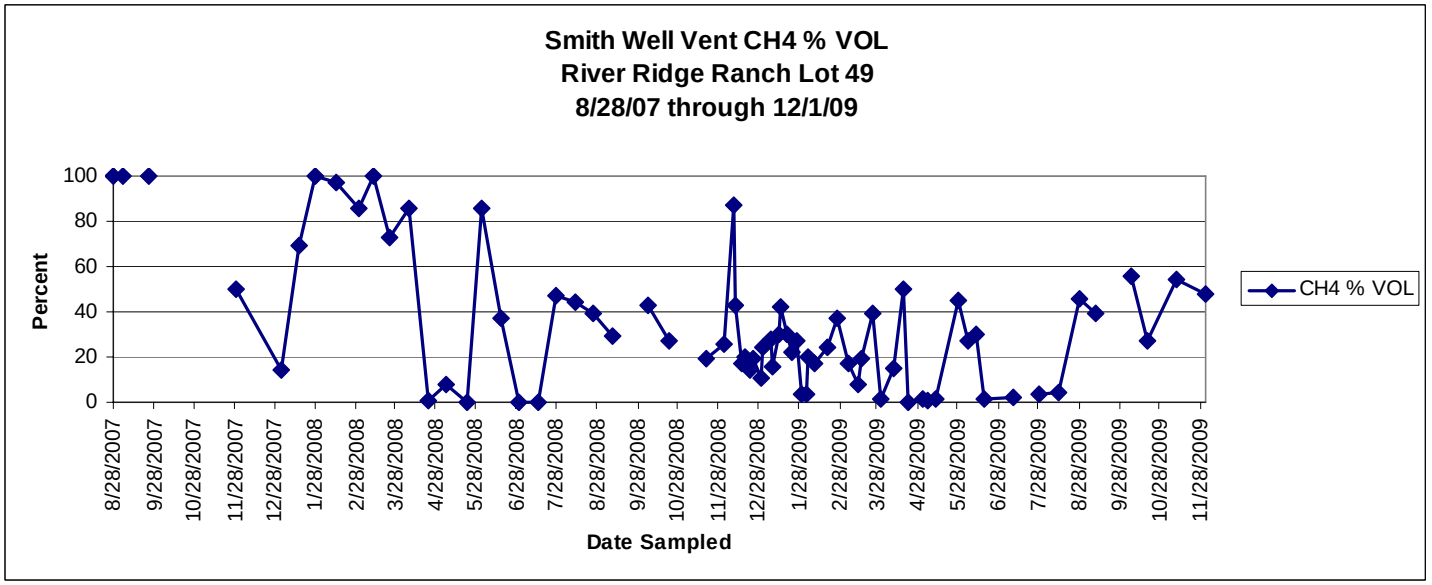

Ireland % LEL
River Ridge Ranch Lot 151
7/12/07 through 11/9/09
Percent
100
80
60
40
20
0
7/12/2007
8/12/2007
9/12/2007
10/12/2007
11/12/2007
12/12/2007
1/12/2008
2/12/2008
3/12/2008
4/12/2008
5/12/2008
6/12/2008
7/12/2008
8/12/2008
9/12/2008
10/12/2008
11/12/2008
12/12/2008
1/12/2009
2/12/2009
3/12/2009
4/12/2009
5/12/2009
6/12/2009
7/12/2009
8/12/2009
9/12/2009
10/12/2009
Date Sampled
% LEL

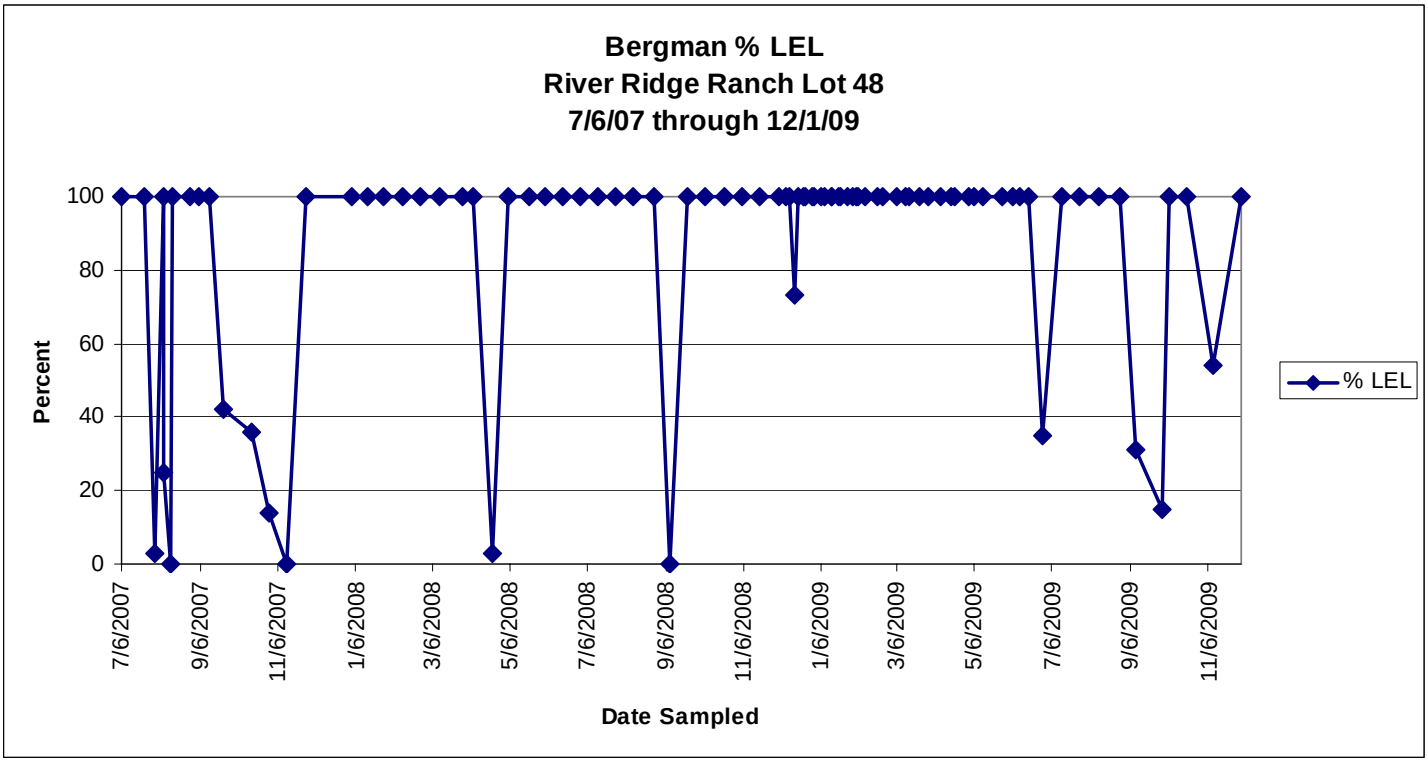

Ireland CH4 % VOL
River Ridge Ranch Lot 151
7/12/07 through 11/9/09
Percent
5
5
4
4
3
3
2
2
1
1
0
7/12/2007
8/12/2007
9/12/2007
10/12/2007
11/12/2007
12/12/2007
1/12/2008
2/12/2008
3/12/2008
4/12/2008
5/12/2008
6/12/2008
7/12/2008
8/12/2008
9/12/2008
10/12/2008
11/12/2008
12/12/2008
1/12/2009
2/12/2009
3/12/2009
4/12/2009
5/12/2009
6/12/2009
7/12/2009
8/12/2009
9/12/2009
10/12/2009
Date Sampled
CH4 % VOL

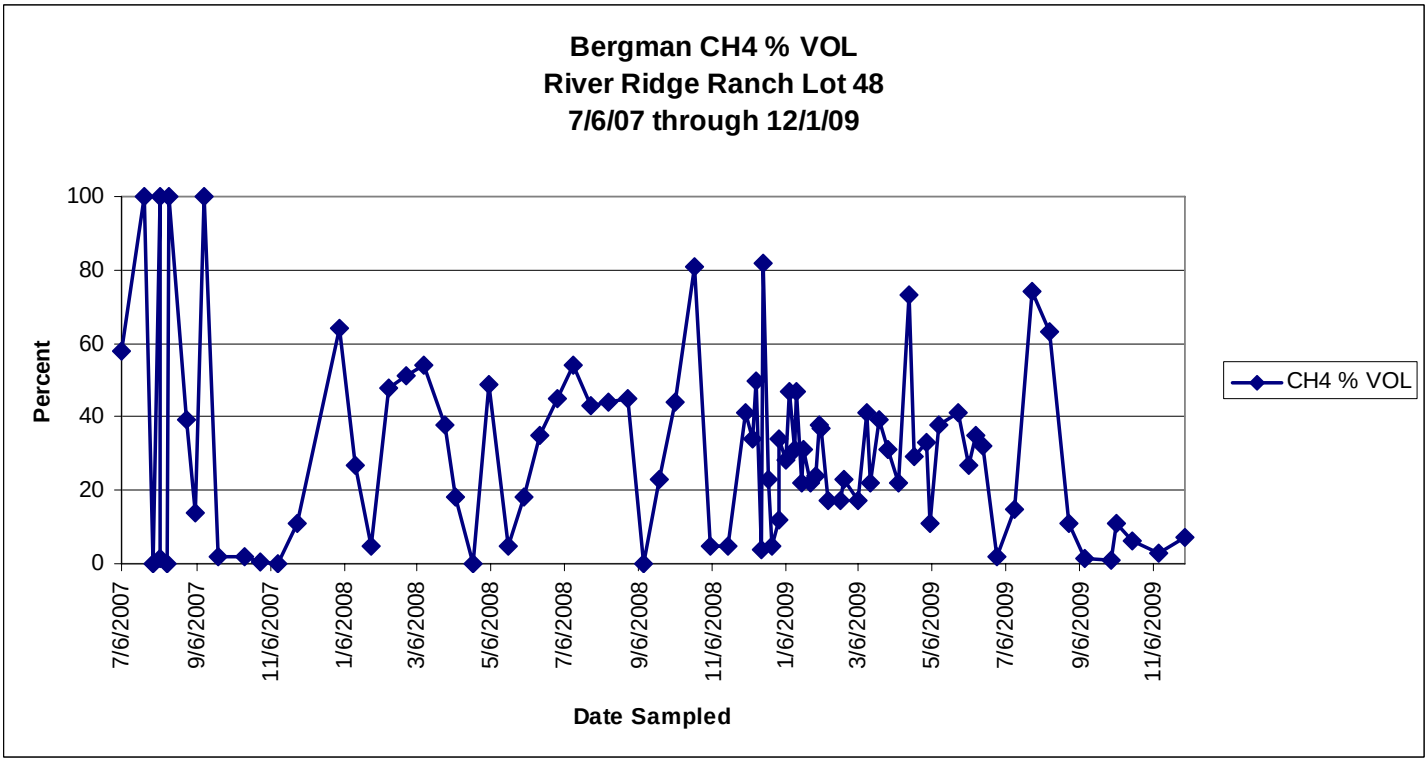

Smith Wellhead % LEL
River Ridge Ranch Lot 49
7/5/07 through 12/1/09
Percent
Date Sampled
% LEL

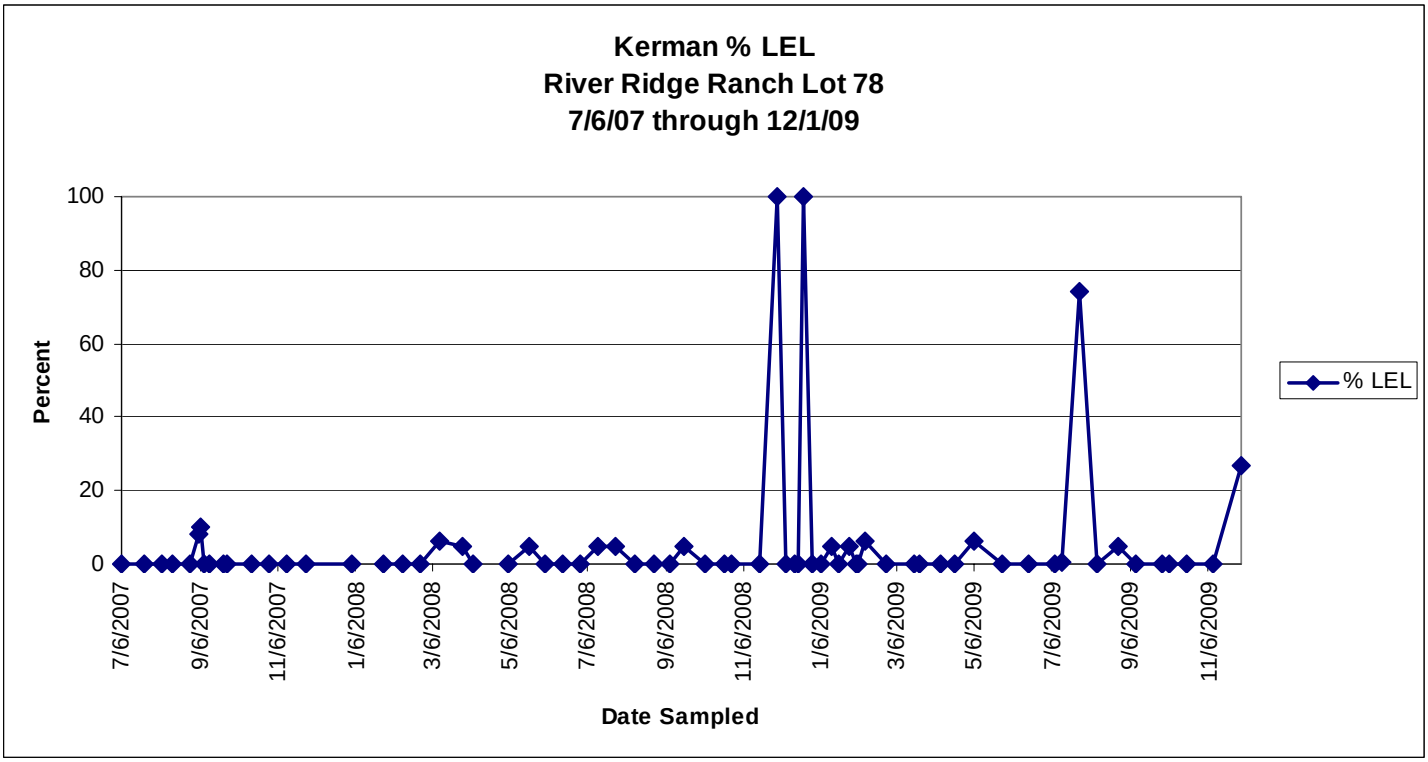

Smith Wellhead CH4 % VOL
River Ridge Ranch Lot 49
7/5/07 through 12/1/09
Percent
Sample Date
CH4 % VOL

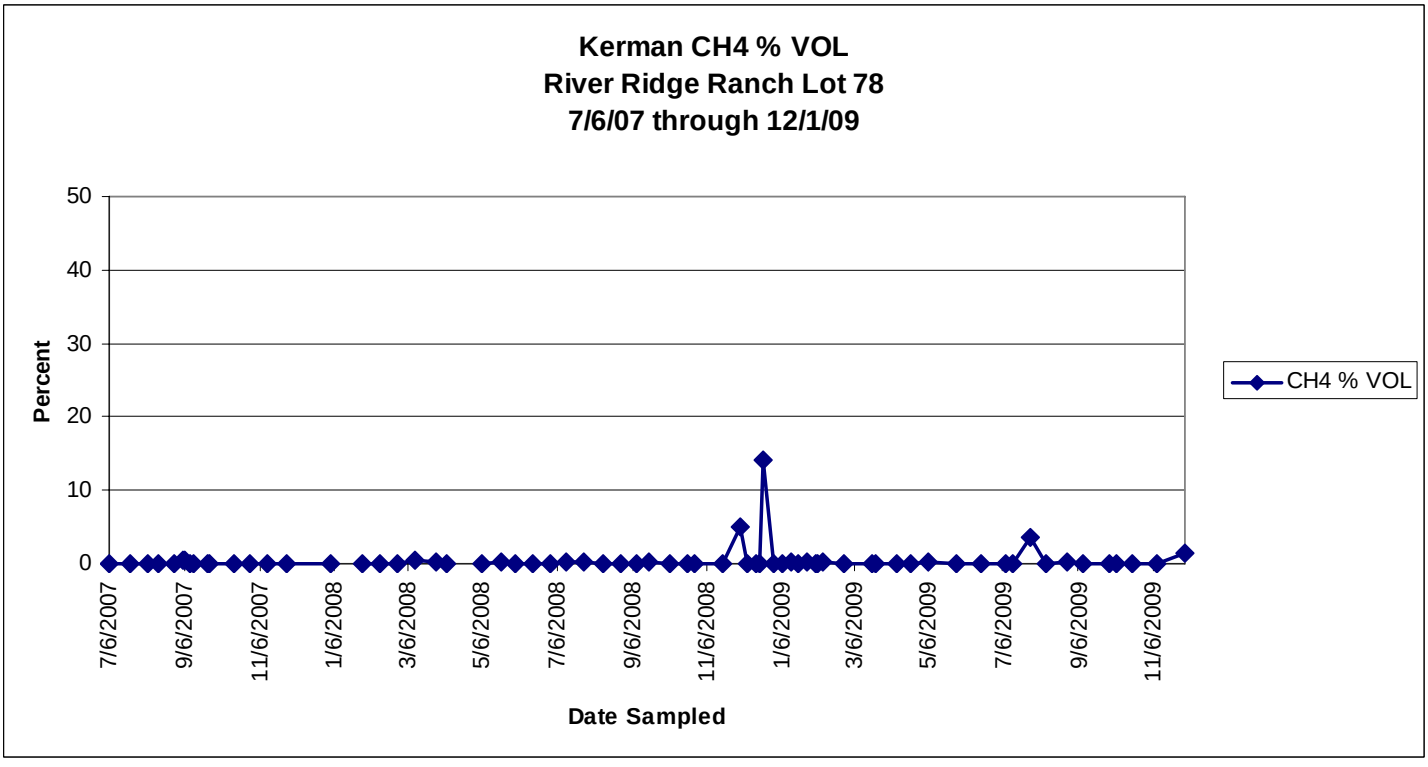

Smith Well Vent % LEL
River Ridge Ranch Lot 49
8/28/07 through 12/1/09
Percent
Date Sampled
% LEL

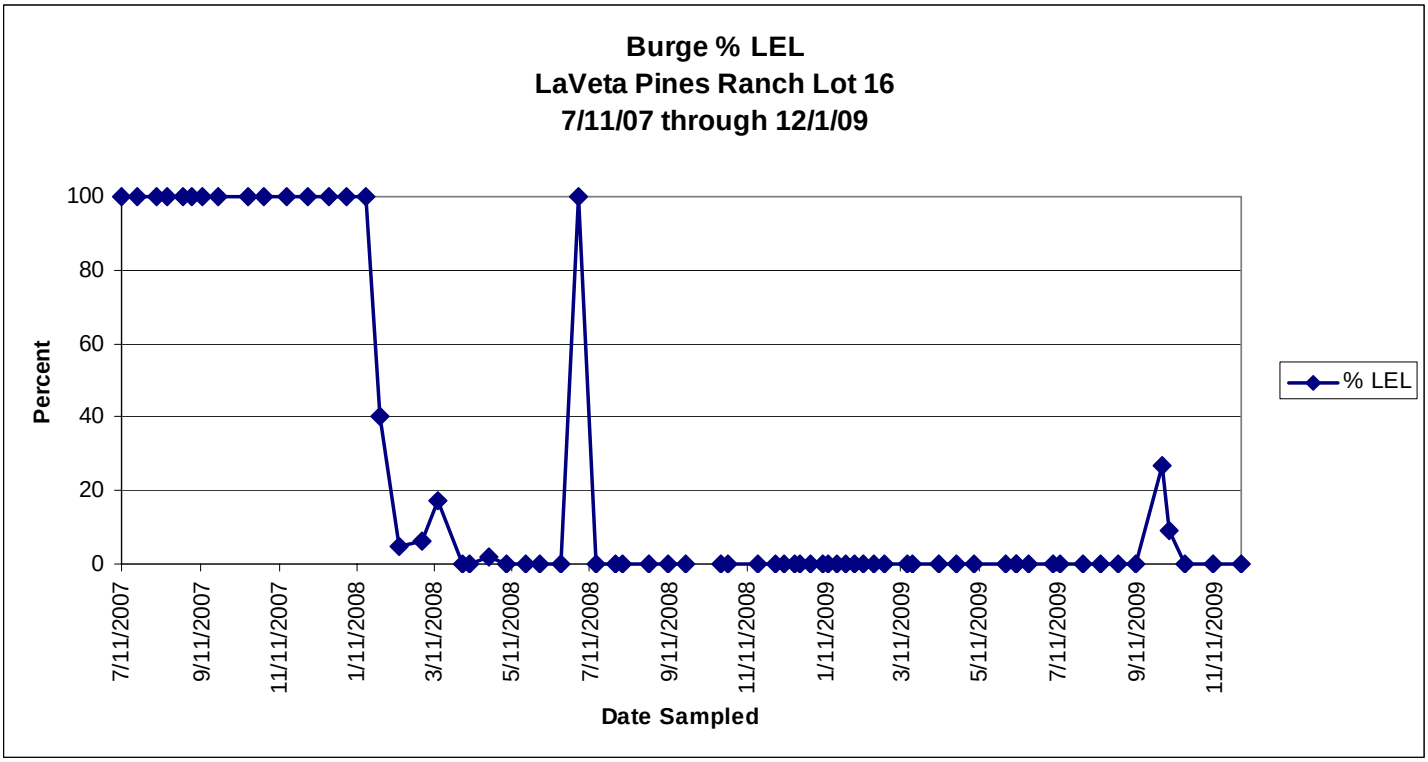

Smith Well Vent CH4 % VOL
River Ridge Ranch Lot 49
8/28/07 through 12/1/09
Percent
Date Sampled
CH4 % VOL

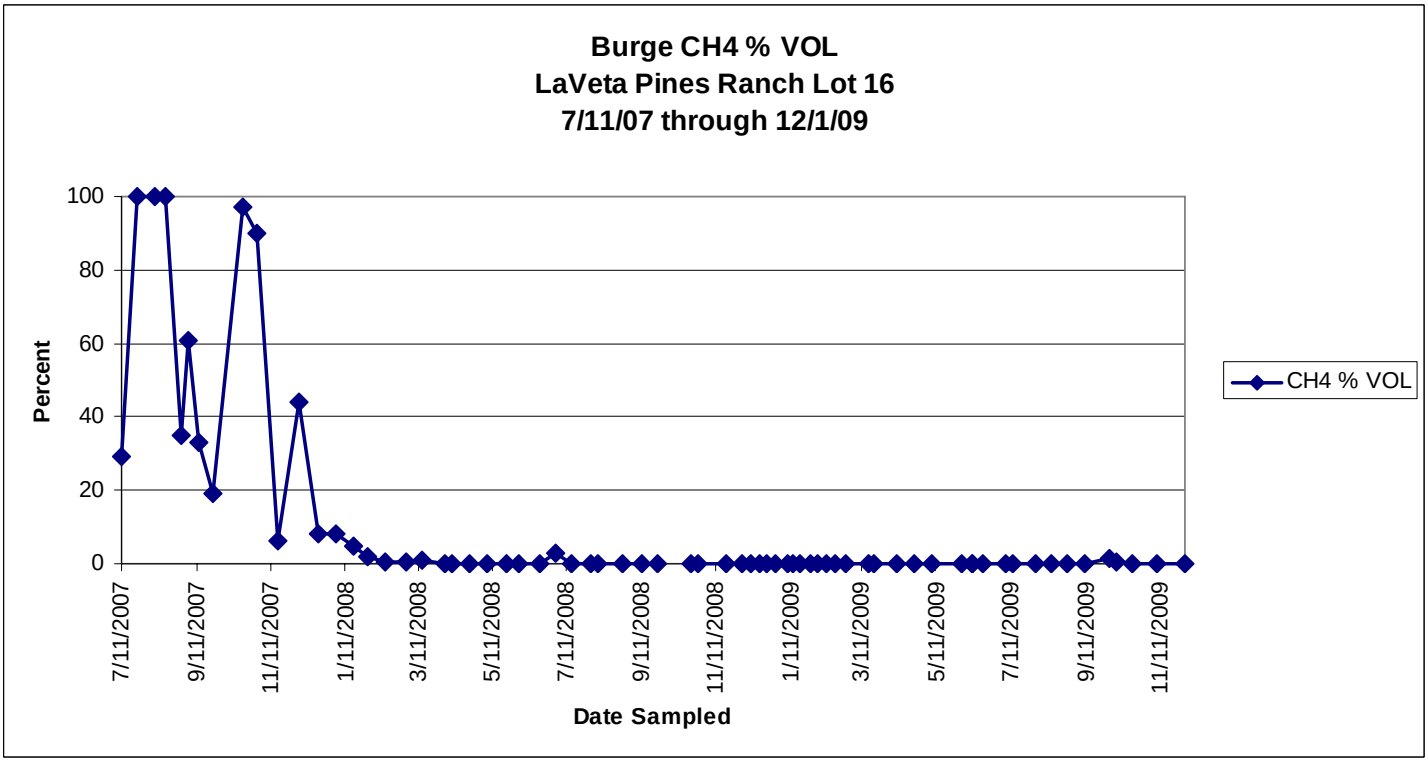

Bergman % LEL
River Ridge Ranch Lot 48
7/6/07 through 12/1/09
Percent
100
80
60
40
20
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
% LEL


Bergman CH4 % VOL
River Ridge Ranch Lot 48
7/6/07 through 12/1/09
Percent
100
80
60
40
20
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
CH4 % VOL


Kerman % LEL
River Ridge Ranch Lot 78
7/6/07 through 12/1/09
Percent
100
80
60
40
20
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
% LEL


Kerman CH4 % VOL
River Ridge Ranch Lot 78
7/6/07 through 12/1/09
Percent
50
40
30
20
10
0
7/6/2007
9/6/2007
11/6/2007
1/6/2008
3/6/2008
5/6/2008
7/6/2008
9/6/2008
11/6/2008
1/6/2009
3/6/2009
5/6/2009
7/6/2009
9/6/2009
11/6/2009
Date Sampled
CH4 % VOL


Burge % LEL
LaVeta Pines Ranch Lot 16
7/11/07 through 12/1/09
Percent
100
80
60
40
20
0
7/11/2007
9/11/2007
11/11/2007
1/11/2008
3/11/2008
5/11/2008
7/11/2008
9/11/2008
11/11/2008
1/11/2009
3/11/2009
5/11/2009
7/11/2009
9/11/2009
11/11/2009
Date Sampled
% LEL


Burge CH4 % VOL
LaVeta Pines Ranch Lot 16
7/11/07 through 12/1/09
Percent
100
80
60
40
20
0
7/11/2007
9/11/2007
11/11/2007
1/11/2008
3/11/2008
5/11/2008
7/11/2008
9/11/2008
11/11/2008
1/11/2009
3/11/2009
5/11/2009
7/11/2009
9/11/2009
11/11/2009
Date Sampled
CH4 % VOL