

**Petroglyph Operating Company, Inc.  
Monthly Report – April 2008**

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 date of the March Monthly Report (March 14, 2008) through April 15, 2008. Along with this monthly report, Petroglyph is submitting an electronic copy of all data in the form of Microsoft Excel spreadsheets from which the attached summaries and graphs were created.

**1.0 Investigation**

Aquifer Characterization: The POCI 55 monitoring well continues to produce low levels of methane gas. On April 2<sup>nd</sup> this well was fitted with an In-Situ LevelTroll 500 downhole pressure gage. The gage is set at 595 ft below ground level (at an elevation of 6,095'). Attachment 1 is a graph showing the measurements from the date of installation to April 15<sup>th</sup>. Note that the enclosed graph shows decreasing pressures from the date of installation of the gage. The water level in POCI 55 is at approximately 451' below ground level (at an elevation of approximately 6,239').

Following completion of the drilling and testing of the monitoring well, Petroglyph began drilling of the wells to be used for recovery (pumping) and injection of water from the Poison Canyon Formation as part of the methane remediation program. During this reporting period three recovery wells and two injection wells were completed. Table 1 presents the details of the drilling for each well and a summary of the presence of gas measured in each well. The information collected to date shows that within a very short distance the Poison Canyon aquifer is highly variable. One of the recovery wells located within a close distance of the monitoring well did not hit any water. One well, the Kittleson recovery well, had large amounts of gas while other wells showed little or no gas. As the Kittleson recovery well has been allowed to vent, gas levels have decreased over time in this well from a high of 135 mcf/d to approximately half that amount (68 mcf/d) in three weeks time (see Attachment 2). In addition, gas levels in the Kent Smith well have substantially decreased in the time that the Kittleson well has been venting.

Water Quality Sampling: Petroglyph's consultant, Norwest Applied Hydrology, has completed sampling for dissolved methane in water wells within a one mile radius of the remediation system. The two wells (McPherson and Conley) which had not been sampled in the previous reporting period were completed during this reporting period. Table 2 shows all water wells that have been identified within a one mile radius and the status of the sampling. The table shows when each well was sampled and if a well could not be sampled explains why the well was not sampled.

Results from 10 samples were received during the reporting period and are summarized below.

Hopke	3,000 ug/l
Kerman	170 ug/l

Derowitsch	4,000 ug/l
Angely	15,000 ug/l
Haughtling	9.2 ug/l
McPherson	54 ug/l
Reiss Recovery	None Detect
Conley	None Detect
English	None Detect
Goodwin	240 ug/l
Searle	7.5 ug/l
Sample	19,000 ug/l
Wolahan	75 UG/L

## **2.0 Monitoring**

### Gas Pressure Monitoring

Barrett, Bergman, Coleman, and Meyer have continuous pressure monitoring for fluid levels that have been installed by Petroglyph. Information from these wells is downloaded monthly by Petroglyph and included in electronic format with this monthly report. Attachment 3 shows graphically the changes in pressure for each of these wells. As can be seen on the graphs, pressure is generally trending downward in all wells. Water levels are also measured in the Barrett and Meyer wells. As shown in Attachment 3, the water levels in both wells are trending downward as well.

Gas flow monitors have been installed by Petroglyph at the Angely, Bruington, Coleman, and Smith wells. Continuous gas flow monitoring occurs at Coleman and Smith, while gas flow is spot monitored with a gage and orifice tester at Angely and Bruington. Gas pressure at Bounds and Angely wells is currently monitored by COGCC or their consultant, however the data is presented in this report. The data from this monitoring is provided in Attachment 4. While gas flow can be variable, in general gas flow has shown an overall decrease in all wells, except the Bounds well. The Bruington well has shown an increase in the most recent measurements. The Smith well has shown a large decrease since gas flow began at the Kittleson recovery well.

### Fluid Levels in Petroglyph Production Wells

Eleven Petroglyph production wells are monitored for fluid level and casing pressure. An additional four Petroglyph production wells are continuously monitored for fluid level pressures. Changes in fluid levels in Petroglyph's production wells are shown graphically in Attachment 5. As shown in the attachment and as would be expected since Petroglyph is no longer pumping these wells to draw down water levels, water levels are rising in all wells.

### Bi-Weekly and Monthly Water Well Monitoring

Petroglyph monitors or has monitored approximately 77 wells in the vicinity of the site. The previous monthly total was 76 wells and one new well was added during the reporting period. Table 3 shows all of the wells that have ever 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.

Of these 76 wells, 5 are no longer sampled and 6 were not sampled during this reporting period. One well had sampling attempted on two occasions, but the gate lock combination had been changed and they could not gain access. Sampling may vary during any one reporting period due to a variety of reasons. During this reporting period 58 wells were sampled on an approximately bi-weekly schedule, 5 were sampled once during the month and 2 wells had four samples during the reporting period. One new well (Roberts) was added during the period and was sampled once (so is included in the monthly totals above for single samples).

As shown on Table 3, the monitoring results for the 65 wells sampled showed that 42 wells had no or insignificant change from the previous monitoring period measurements. % LEL and % by volume CH<sub>4</sub> were evaluated to determine if the wells were showing an increase or decrease. Seven wells showed increases in % LEL and % by volume CH<sub>4</sub> and 14 wells showed a decrease in % LEL and % by volume CH<sub>4</sub>. One well showed variable results and one well was a new sampling site with no past data yet available.

#### 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 as is occurring currently at the Kent Smith property due to recently occurring seepage or a one time survey based on concerns from a property owner.

Results are included in the electronic database, and summarized in Table 4. During this reporting period the following locations were surveyed with a hand held monitor.

- Smith (multiple surveys)
- Sample (multiple surveys)
- Cordova
- Johnson
- Eddleman
- Roberts

#### Helicopter Survey

Petroglyph will arrange to do a helicopter survey for methane seepage in August 2008. This survey will be conducted using the same helicopter contractor used for the 2007 survey.

### **3.0 Mitigation**

#### Methane Alarms

There are currently a total of 14 homes with alarm systems provided by Petroglyph and that number has not changed from previous reports. Petroglyph's contractor is still in the process of updating the alarm systems for 8 homeowners who requested the updated system with both visual and audible alarms. 3 of the 8 homeowners have had their systems updated (Cordova, Campbell, and White). The contractor continues to work to get them installed, but scheduling has been difficult due to the number of part time residents requesting these alarms.

#### Seep 643 Mitigation Status

The former owner of the trailer in the property on which Seep 643 is located has moved out and the property is now vacant. Petroglyph plans to use this property as an outcrop equipment staging area.

#### Water Supply

Petroglyph is currently providing water to eleven homes and that has not changed from the previous month (although it was inaccurately reported as ten homes in the March report). Table 5 provides a list of the homes currently receiving water and is the same table as included with the March report. Water is delivered as needed and can vary from month to month due to whether or not the residents are occupied and residential water usage.

#### Public Outreach

Tom Melland met with the Huerfano County Planning Commission to discuss Petroglyph's operations. No other public outreach occurred during the reporting period.

#### Health and Safety/Emergency Planning

Petroglyph submitted the Monitoring and Response Plan addressing various levels of methane detected and the response based on these levels. The Plan was based on a review of health and safety regulations from the Occupational Safety and Health Administration (OSHA), Mine Safety and Health Administration (MSHA) and California Code of Regulations. The document provided levels for various frequencies of monitoring and will result in changes to biweekly and monthly monitoring based on levels of methane detected in various wells.

### **4.0 Schedule**

The following is the currently anticipated schedule for the remainder of March.

- Well drilling for pumping and injection wells will continue in the next month. It is expected that drilling for all wells will be completed within the next reporting period. A report will be developed describing the drilling and testing for each of the wells. This report will be submitted to the EPA for review and to seek approval to begin injection activities. An interim report may also be submitted to seek EPA input and expedite final approval for the injection activities.

- Petroglyph's contractor will continue with installation of the updated methane alarm systems for those homeowners who have requested the updated system.
- 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
- Hand held seep monitoring will continue as needed.

The currently anticipated schedule for the completion of Phase I is outlined below. The schedule is contingent on a number of factors including weather conditions and equipment problems.

<b>Phase I Steps</b>	<b>Estimated Completion Date</b>
1. Drilling, Development, and Testing of Mitigation Wells	Through May 18, 2008
2. Submittal of Final Mitigation Well Report	May 30, 2008 (depending on data availability)
3. Baseline Outcrop Monitoring	April 30, 2008
4. Start of injection activities	June 15, 2008 (depending on EPA approval)

**Table 1  
Remediation Well Drilling Summary**

<b>Well Designation</b>	<b>Total Depth (feet below ground surface)</b>	<b>Depth Water Encountered (feet below ground surface)</b>	<b>Water Level (feet below ground surface)</b>	<b>Logging</b>	<b>Well Completion</b>	<b>Gas Flow</b>
Recovery Well 1 (Kittleson)	715	655	474	Gamma ray, density/ neutron, and single induction		Significant gas encountered at 510 to 530 feet. Initially measured at 135 mcf/d on 3/25/08. Gas flow measured at 68 mcf/d on 4/14/08.
Recovery Well 2 (Reiss)	840	810	No significant water	Density/ neutron	No water encountered so well plugged and abandoned	No gas detected
Recovery Well 3 (PEI)	625	485	397	Single induction and density/ neutron	Slotted interval 466-515 and 578-588	Encountered gas at 485 feet, Gas flow, 4.2" water column through a 1" orifice measured at 12 mcf/d.
Injection Well 2 (Gonzales)	600	550		Gamma ray, neutron/ density	Slotted interval at 348-358, 399-499, 555-565	No gas
Injection Well 6 (Masters)	725	295	384	Single induction and density/ neutron	Slotted interval at 414-424, 504-524, 576-596, and 680-690	Slight gas production, not measured

**Table 2  
Wells Sampled Within an Approximate One Mile Radius of Remediation Ring**

<b>Permit</b>	<b>Permittee</b>	<b>Type of Well</b>	<b>Depth (in Ft)</b>	<b>Location Description</b>	<b>Sample Collected</b>	<b>If No Sample, Reason Why</b>
WWW123144	SEARLE, STANLEY M.	WWDOM	305	Lot 24 RRR (Lively's old house)	YES	
WWW153557	SEARLE, STANLEY	WWLIV	140	Lot 32,85,86 RRR?	NO	No pump installed in well
WWW16861	GOLDEN CYCLE LAND CORP	WWMUN	2221	Lot 62 RRR	NO	No pump installed in well
WWW169043	BURGE, JULIA & KEN	WWDOM	210	Lot 16 LPR	NO	No pump installed in well
WWW18114	BOUNDS, BEN & MELANIE	WWPA		P&A, lot 10 LPR	NO	PEI and its contractors not allowed on property
WWW20783	GOEMMER CATTLE	WWLIV	145	Lot 88 or 89 RRR?	NO	No pump installed in well
WWW215706	WESTMAN BRION (BRICE)	WWDOM	220	Lot 92 RRR?	NO	No pump installed in well
WWW222539	LIVELY MARK (03-03)	WWDOM		Lot 43/45 RRR?	NO	No pump installed in well
WWW233488	MARTINEZ MANUEL & WILMA C	WWDOM	725	Lot 92 RRR ? Rio Cuchara lot 783	NO	No pump installed in well
WWW235292	KERMAN TERRI & BOB HANSON	WWDOM	467	Lot 8 RRR	YES	
WWW235515	ENGLISH BOBBY	WWDOM		Lot 33 RRR	YES	
WWW235516	COLORADO SWITZER LLC	WWLIV	140	Lot 32 RRR	NO	No pump installed in well
WWW236272	HOUGHTLING JACK	WWDOM	620	Lot 52 RRR	YES	
WWW238689	ANGELY JERRY L	WWDOM	706	Lot 67 RRR	YES	Sample collected by COGCC contractor
WWW239657	SMITH KENT O	WWDOM	614	Lot 49 RRR	NO	No water in well
WWW244403	BERGMAN, DONALD	WWDOM	527	Lot 48 RRR	NO	No pump installed in well
WWW252931	DEROWITSCH DONALD & TAMARA	WWDOM	681	Lot 60 RRR	YES	
WWW253317	GONZALEZ RIGOBERTO	WWDOM	709	Lot 78 RRR	NO	No pump installed in well
WWW255929	HUE CONLEY JAMES	WWDOM	348	Lot 15 RRR	YES	
WWW256504	HOPKE BRUCE	WWDOM	607	Lot 68 RRR	YES	Sample results from COGCC contractor
WWW257113	MASTERS WILLIAM TODD	WWDOM	847	Lot 69 RRR	NO	No pump installed in well
WWW257994	BARRETT TODD SHELLY J TAFF	WWDOM	865	Lot 57 RRR	NO	No pump installed in well
www260097	DEE, KATHY	WWDOM		Lot 79 RRR	NO	No pump installed in well
WWW267694	COLEMAN, VINCE	WWDOM	834	Lot 70 RRR	YES	

**Table 2  
Wells Sampled Within an Approximate One Mile Radius of Remediation Ring**

<b>Permit</b>	<b>Permittee</b>	<b>Type of Well</b>	<b>Depth (in Ft)</b>	<b>Location Description</b>	<b>Sample Collected</b>	<b>If No Sample, Reason Why</b>
WWW271136	MAY, DONALD	WWDOM		Lot 91 RRR	NO	No pump installed in well
WWW84106	ROHR FERDINAND B (WILLIAM A ROHR)	WWLIV	2600	NE 9 29S 67W	NO	No pump installed in well
WWW84107	MCPHERSON PEPPER CHARLES & SUSAN E	WWLIV	143	all supposedly in SW part of 9 29S 67W	NO	No pump installed in well
WWW84108_A	MCPHERSON PEPPER CHARLES & SUSAN E	WWLIV	210		YES	
WWW84109	MCPHERSON SUSAN ELIZABETH & PEPPER	WWLIV	80		NO	No pump installed in well
WWW84110	MCPHERSON PEPPER CHARLES & SUSAN E	WWLIV	130		NO	No pump installed in well
WWW84113	ROHR FERDINAND B (WILLIAM A ROHR)	WWLIV	100	NW 9 29S 67W	NO	No pump installed in well
WWW93379	LOWRY AUDREY LEE	WWLIV	40	Lot 152 RRR?	NO	No pump installed in well
WWW93386		WWLIV	40	Lot 152 RRR?	NO	No pump installed in well
<b>Wells Outside One Mile Radius, But Close</b>						
WWW176365	DOTSON BARRY	WWDA	410	NE corner 5 29S 67W	NO	No pump installed in well
WWW181278	BOUNDS BEN	WWDOM	323	Lot 1/2 LPR	NO	PEI and its contractors not allowed on property
WWW18611	LOWRY LON D	WWLIV	40	NE 17 29S 67W	NO	No pump installed in well
WWW193521	PING GARY L	WWDOM	376	Lot 8 LPR	NO	PEI and its contractors not allowed on property
WWW215514	H L & CO E C HAYNES	WWDOM	245	C section 5 29S 67W	NO	Property owner would not allow a sample
WWW240947	WOLAHAN	WWDOM		Lot 81 RRR	YES	
WWW264581	IRELAN, JOHN & KEVIN MURPHY	WWDOM	287	Lot 151 RRR	No	No water in well



**Table 3  
Water Well Measurements**

<b>Permit Number</b>	<b>Name</b>	<b>Sampling Start Date</b>	<b>Last Sample</b>	<b>Samples Since Last Monthly Report</b>	<b>If sampled, description of results</b>
20783	Goemmer Cattle	9/24/07	3/29/08	3/29/08	No change from previous measurements
230572	Willis	7/11/07	4/08/08	3/24/08 and 4/08/08	No change from previous measurements
84106	Rohr	7/06/07	3/29/08	3/29/08 and 4/07/08	No change from previous measurements
93386	Lowry	7/12/07	3/29/08	3/29/08	No change from previous measurements
203536	Hurley	8/2/07	4/08/08	3/24/08 and 4/08/08	<ul style="list-style-type: none"> <li>• H2S decreased from 55 in last reporting period to 27.5 ppm</li> <li>• O2 % volume slight (but insignificant) decreased from 14.4 in last reporting period to 13.2</li> <li>• CH4 % volume decreased from 42 to 33 during the reporting period.</li> <li>• CO was measured at 0 ppm</li> </ul>
121013	Schafer	8/15/07	4/09/08	4/02/08 and 4/09/08	No change from previous measurements
123144	Searle	7/11/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements
145915	Carsella	7/11/07	4/08/08	4/02/08 and 4/08/08	No change from previous measurements
169043	Burge	7/11/07	4/07/08	4/2/08 and 4/07/08	<ul style="list-style-type: none"> <li>• CO and H2S measured at 0 ppm</li> <li>• % LEL decreased from 17 to 0</li> <li>• CH4 % volume decreased from 0,30 at least reading to zero</li> <li>• O2% volume increased slightly from 14.5 to 16.7</li> </ul>
181278	Bounds	7/12/07	4/09/08	3/19/08, 3/26/08, 4/02/08, 4/09/08	No change from previous measurements except that H2S has moved around slightly from 6.5 to 3.5 ppm.

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Water Well Measurements**

<b>Permit Number</b>	<b>Name</b>	<b>Sampling Start Date</b>	<b>Last Sample</b>	<b>Samples Since Last Monthly Report</b>	<b>If sampled, description of results</b>
191079	Brian Dale (?)	8/15/07	4/09/08	3/24/08 and 4/9/08	<ul style="list-style-type: none"> <li>• % LEL has changed from &gt;100 to 26</li> <li>• CH4 % volume has increased 5 to 9</li> <li>• O2% volume has increased slightly from 13.6 to 14.5</li> <li>• H2S and CO both remain at 0, however H2S went up to 32.5 ppm in the 3/24/08 reading</li> </ul>
192144	Snow	8/2/07	4/12/08	3/24/08 and 4/12/08	<ul style="list-style-type: none"> <li>• % LEL has changed from 5 to 0</li> <li>• CH4 % volume was unchanged at 0</li> <li>• O2% volume has increased from 17.2 to 20.9</li> <li>• H2S and CO both remain at 0 although H2s increased to 2.5 ppm on 3/24/08 and then went back to 0</li> </ul>
192203	Rankin	7/12/07	3/29/08	3/29/08	No change from previous measurements
193520X	McEntee	8/2/07	3/29/08	3/29/08 and 4/08/08	Sampling attempted but locked changed on gate and could not get gate open
193521	Ping	7/11/07	10/19/07	None	No longer sampled
196371	Lyon	8/15/07	4/12/08	3/24/08 and 4/12/08	<ul style="list-style-type: none"> <li>• % LEL has changed from 5 to 0</li> <li>• CH4 % volume has decreased from 0.25 to 0</li> <li>• O2% volume has increased from 11.8 to 20.9</li> <li>• H2S and CO remain unchanged at 0</li> </ul>
197472	Williams/Bartlett	8/15/07	8/15/07	None	No longer sampled
205195	Johnson	8/15/07	4/08/08	3/24/08 and 4/08/08	<ul style="list-style-type: none"> <li>• % LEL has changed from 0 to 5</li> <li>• CH4 % volume not measured</li> <li>• O2% volume has increased slightly from 20.2 to 20.9</li> <li>• H2S and CO remain unchanged at 0</li> </ul>
210526	Bruington	8/7/07	2/29/08	None	Not Sampled During Reporting Period
215322	Petroglyph	7/6/07	9/24/07	None	Not Sampling During Reporting Period

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Water Well Measurements**

<b>Permit Number</b>	<b>Name</b>	<b>Sampling Start Date</b>	<b>Last Sample</b>	<b>Samples Since Last Monthly Report</b>	<b>If sampled, description of results</b>
216732	Petroglyph	7/11/07	9/24/07	None	Not Sampled During Reporting Period
	Petroglyph	2/13/08	2/13/08	None	Not Sampled During Reporting Period
215706	Brice	7/12/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements
219376	White	8/2/07	4/12/08	3/24/08 and 4/12/08	<ul style="list-style-type: none"> <li>• % LEL has changed from 5 to 0</li> <li>• CH4 % volume has decreased from 0.25 to 0</li> <li>• O2% volume has increased from 6.1 to 18.6</li> <li>• H2S and CO remain at 0</li> </ul>
221465	Evenden	8/2/07	4/12/08	3/24/08 and 4/12/08	<ul style="list-style-type: none"> <li>• % LEL has changed from 0 to 5 with a reading of &gt;100 on 3/24/08</li> <li>• CH4 % volume went from 0 to 45 on 3/24/08 and was not measured on 4/12/08</li> <li>• O2% volume has decreased from 14.5 to 13.5</li> <li>• H2S and CO remain at 0</li> </ul>
222294	Cramer	8/3/07	4/12/08	3/24/08 and 4/12/08	No change from previous measurements
222539	Lively	7/6/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements
235292	Kerman/Hanson	7/6/07	4/07/08	3/29/08 and 4/07/08	<ul style="list-style-type: none"> <li>• % LEL has changed from 6 to 0</li> <li>• CH4 % volume has decreased from 0.5 to 0</li> <li>• O2% volume has decreased from 19.4 to 18.8</li> <li>• H2S and CO remain at 0</li> </ul>
235516	Colorado Switzer	7/12/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements

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Water Well Measurements**

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236272	Houghtling	7/6/07	4/07/08	3/29/08 and 4/07/08	<ul style="list-style-type: none"> <li>• % LEL remains unchanged at &gt;100</li> <li>• CH4 % volume has increased from 30 to 89</li> <li>• O2% volume has decreased from 14.8 to 0</li> <li>• H2S has increased from 0 to 0.5 ppm</li> <li>• CO has increased from 0 to 10</li> </ul>
238209	Salazar	8/15/07	4/09/08	4/02/08 and 4/09/08	No change from previous measurements except that H2S had a reading of 1 ppm on 4/02/08
238689	Angely	7/5/07	4/09/08	3/19/08, 3/26/08, 4/02/08, 4/09/08	<ul style="list-style-type: none"> <li>• % LEL remains unchanged at 100</li> <li>• CH4 % volume has decreased from 100 to 6</li> <li>• O2% volume has increased from 0 to 19.1</li> </ul> <p>H2S and CO remain at 0</p>
239657	Smith	7/5/07	4/07/08	3/24/08 and 4/07/08	<p>At Wellhead</p> <ul style="list-style-type: none"> <li>• % LEL has changed from 10 to 19</li> <li>• CH4 % volume not measured</li> <li>• O2% volume, H2S and CO remain the same</li> </ul> <p>At Well Vent</p> <ul style="list-style-type: none"> <li>• % LEL unchanged at &gt;100</li> <li>• CH4 % volume has decreased from 100 to 86</li> <li>• O2% volume remains at 0</li> <li>• H2S has increased from 19.5 to 22.5 ppm</li> <li>• CO has increased from 0 to 10</li> </ul>
240947	Wolahan	7/12/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements

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244403	Bergman	7/6/07	4/07/08	3/29/08 and 4/07/08	<ul style="list-style-type: none"> <li>• % LEL remains unchanged at &gt;100</li> <li>• CH4 % volume has decreased from 54 to 18</li> <li>• O2% volume has increased from 7.9 to 13.1</li> <li>• H2S remains unchanged at 0 ppm</li> <li>• CO remains at 0 except for a reading of 15 on 3/29/08</li> </ul>
246775	Sharp	9/9/07	4/08/08	3/24/08 and 4/08/08	No change from previous measurements
248680	Campbell	8/14/07	1/2/08	None	Not Sampled During Reporting Period
248862	Meyer	8/14/07	4/08/08	3/24/08 and 4/08/08	<ul style="list-style-type: none"> <li>• % LEL no change &gt;100</li> <li>• CH4 % volume has decreased from 83 to 62</li> <li>• O2% volume has increased from 1.7 to 6.4</li> <li>• H2S and CO remain unchanged</li> </ul>
248983	Tobias	8/3/07	4/08/08	3/24/08 and 4/08/08	<ul style="list-style-type: none"> <li>• % LEL has changed from &gt;100 to 5</li> <li>• CH4 % volume not measured during the reporting period</li> <li>• O2% volume has increased from 18.8 to 20.9</li> <li>• H2S and CO remain at 0</li> </ul>
249181	Hentschel	9/9/07	4/08/08	3/29/08 and 4/08/08	No change from previous measurements
249362	Andexler	9/9/07	9/9/07	None	No longer sampled (at landowner request)
250369	Martin	7/12/07	4/07/07	3/29/08 and 4/07/07	No change from previous measurements
252931	Derowitsch	7/6/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements at wellhead. Minor changes at well vent and cistern.

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253317	Gonzalez	7/12/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements
254577	Ryerson	9/9/07	4/08/08	3/29/08 and 4/08/08	No change from previous measurements
255929	Conley	7/11/07	4/07/08	3/24/08 and 4/07/08	No change from previous measurements
256504	Hopke	7/5/07	4/07/08	3/29/08 and 4/07/08	<ul style="list-style-type: none"> <li>• No change in % LEL</li> <li>• CH4 % volume has decreased from 61 to 57</li> <li>• O2% volume has increased from 7.8 to 10.3</li> <li>• H2S has decreased from 1.5 to 0 ppm with a reading of 12.5 on 3/29/08</li> <li>• CO increased from 0 to 20</li> </ul>
257113	Masters	7/6/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements
257994	Barrett	7/12/07	4/07/08	3/29/08 and 4/07/08	<ul style="list-style-type: none"> <li>• No change in % LEL</li> <li>• CH4 % volume has increased from 11 to 45</li> <li>• O2% volume has decreased from 16.3 to 10</li> <li>• CO has increased from 0 to 5</li> <li>• H2S has not changed</li> </ul>
259122	Higgins	9/26/07	4/08/08	3/24/08 and 4/08/08	No change from previous measurements
260097	Dee	7/5/07	4/07/08	3/24/08 and 4/07/08	No change from previous measurements
264581	Ireland	7/12/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements

**Table 3  
Water Well Measurements**

<b>Permit Number</b>	<b>Name</b>	<b>Sampling Start Date</b>	<b>Last Sample</b>	<b>Samples Since Last Monthly Report</b>	<b>If sampled, description of results</b>
267694	Coleman	7/5/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements for wellhead. % LEL changed at well vent from 20 to 5 during the period with all other readings remaining the same.
267695	Speh	9/4/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements
269435	Goacher	7/11/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements
270552	Chaves	9/9/07	4/08/08	3/24/08 and 4/08/08	No changes from previous measurements
271136	May	7/12/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements
274468	Roloff	9/9/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements
235515	English	8/16/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements
258815	Goodwin	7/12/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements
16861-F	Golden Cycle Land	7/12/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements
84108-A	Mc Pherson	7/6/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements
270552 <sup>1</sup>	Unknown	8/1/07	4/07/08	3/29/08 and 4/07/08	No Sample Taken this Reporting Period
16861-F <sup>1</sup>	Unknown	8/13/07	4/07/08	3/29/08 and 4/07/08	No changes from previous measurements
	Andreatta	8/14/07	4/08/08	4/02/08 and 4/08/08	No changes from previous measurements
	Anselmo	8/14/07	8/14/07	None	No Longer sampled
	Dernell	8/15/07	4/09/08	4/02/08 and 4/09/08	No change from previous measurements
	Unknown	8/15/07	8/15/07	None	No longer sampled

**Table 3  
Water Well Measurements**

<b>Permit Number</b>	<b>Name</b>	<b>Sampling Start Date</b>	<b>Last Sample</b>	<b>Samples Since Last Monthly Report</b>	<b>If sampled, description of results</b>
	Lang	10/29/07	4/07/08	3/29/08 and 4/07/08	No change from previous measurements
220100	Cordova	10/30/07	4/08/08	4/02/08 and 4/08/08	No change from previous measurements
234836	White, Jim	1/4/08	4/08/08	4/02/08 and 4/08/08	<ul style="list-style-type: none"> <li>• % LEL remains unchanged at &gt;100</li> <li>• CH4 % volume remains unchanged at 5</li> <li>• O2% volume remains unchanged</li> <li>• H2S has decreased from 1.5 to 0 ppm</li> <li>• CO increased from 0 to 15</li> </ul>
192509	Eddleman, Paul	1/17/08	4/08/08	4/02/08 and 4/08/08	<ul style="list-style-type: none"> <li>• % LEL has changed from 10 to &gt;100</li> <li>• CH4 % volume has increased from 0.5 to 6</li> <li>• O2% volume has decreased from 19 to 8.1</li> <li>• H2S has remained the same at 0 ppm</li> <li>• CO has increased from 0 to 5</li> </ul>
226536	Eddleman, Todd	1/17/08	4/08/08	4/02/08 and 4/08/08	<ul style="list-style-type: none"> <li>• % LEL has changed from 0 to 5</li> <li>• CH4 % volume not measured</li> <li>• O2% volume has decreased from 20.5 to 18</li> <li>• H2S remains unchanged at 0.5 ppm</li> <li>• CO remains at 0</li> </ul>
31935	Garza-Vela	1/30/08	4/08/08	4/02/08 and 4/08/08	<ul style="list-style-type: none"> <li>• % LEL has gone from &gt;100 to 0</li> <li>• CH4 % volume has decreased from 5 to 0</li> <li>• O2% volume has increased from 3.1 to 20.9</li> <li>• H2S has decreased from 1 to 0 ppm</li> <li>• CO has remained at 0</li> </ul>



**Table 3  
Water Well Measurements**

<b>Permit Number</b>	<b>Name</b>	<b>Sampling Start Date</b>	<b>Last Sample</b>	<b>Samples Since Last Monthly Report</b>	<b>If sampled, description of results</b>
271524-A	Modlish	1/30/08	4/08/08	4/02/08 and 4/08/08	<ul style="list-style-type: none"> <li>• %LEL decreased from 5 in last reporting period to 0</li> <li>• CH4 % volume decreased from 0.25 to 0</li> <li>• O2 % volume increased from 12.4 to 20.9</li> <li>• CO and H2S were unchanged at 0 for samples during reporting period</li> </ul>
271748	Sample	3/10/08	4/08/08	4/02/08 and 4/08/08	<ul style="list-style-type: none"> <li>• %LEL increased from 0 in last reporting period to 13</li> <li>• CH4 % volume at 0</li> <li>• O2 % volume decreased from 20.9 to 18.6</li> <li>• No change in CO and H2S</li> </ul>
197128	Roberts	4/08/08	4/08/08	New Sampling Site	New Sampling Site <ul style="list-style-type: none"> <li>• %LEL at 30</li> <li>• CH4 % volume not monitored</li> <li>• O2 % volume at 19.9</li> <li>• CO at 0</li> <li>• H2S at 1 ppm</li> </ul>

<sup>1</sup> Unknown wells to be verified to determine exact permit number and well owner.

**Table 4  
Hand Held Gas Meter Results**

Name	Date	Time	Weather Conditions	RMLD Readings				Notes
				N	E	W	S	
Kent Smith	3/17/08	9:21	5-10 Wind SE Snowing 4 - 5" Snow	28 - 40	30 - 54	26 - 38	24 - 44	RMLD crawl space vents - 28 - 32. Reading - Brion Stephen
	3/19/08	11:00	15-20 SW Wind Clear	33 - 58	150 - 488	32 - 48	130 - 288	Crawlspace vents 18 - 34. Horse's broke - 2" pvc well venting to atmosphere. Will repair 3/19/08. Reading - Brion Stephen
	3/21/08	9:55	10 Wind 50°	28 - 42	33 - 53	28 - 55	60 - 148	Crawlspace vents 28 - 38. Reading - Brion Stephen
	3/24/08	8:30	15-25 Wind SW	24 - 38	115 - 280	22 - 36	70 - 95	Crawlspace vents 22 - 35. Reading - Brion Stephen
	3/26/08	10:30	15-30 Wind 70°	32 - 44	105 - 215	30 - 48	48 - 62	Crawlspace vents 32 - 38. Reading - Brion Stephen
	3/28/08	8:10	5-10 Wind Drizzle 38°	22 - 38	26 - 41	17 - 22	26 - 54	Crawlspace vents 22 - 31. Reading - Brion Stephen
	3/31/08	9:00	20-25 Wind 40°	28 - 46	80 - 160	30 - 40	28 - 38	Crawlspace vents 28 - 38. Horse's damage pvc vent, repaired. Reading - Brion Stephen
	4/7/08	7:50	<5 Wind 40°	22 - 40	26 - 48	23 - 38	24 - 46	Crawlspace vents 18 - 30. Reading - Brion Stephen
Mitch Sample	3/17/08		5-10 Wind Light snow 2 - 3" snow					RMLD Reading general basement - 70 - 80; NE corner of basement 108 - 115; living rm ceiling 198 - 207; kitchen ceiling 150 -160; after running kitchen faucet 3 min 280 - 340; directly above running faucet 380 - 1300; house exterior 23 - 40; at water well 28 - 40; at well with well cap off 34 - 42. Homeowner installed one Gas Aware monitor in basement ceiling and one Gas Aware monitor in kitchen ceiling. Kitchen monitor tested ok.
	3/28/08	12:00	5 Wind 40°					RMLD Reading ceiling living rm - 168 - 180. Ceiling kitchen - 118 - 120. Basement NE corner 115, NW corner 165. Well vent - 40 - 51. Background 24 - 40. Reading - Brion Stephen.
	4/4/08	11:30	Clear, calm 48°					RMLD Reading basement NE - 115, SE - 85. Ceiling living rm - 190, kitchen - 198. Kitchen faucet - 260. After running 1 min - 2432 - 4180. Reading - Brion Stephen.
Bill Cordova	3/18/08		5 Wind Clear					Background 20 - 28. NE of house 70' out 58 - 70. Reading - Brion Stephen In house kitchen & living rm 20 -28. Kitchen faucet running 2 minutes 120 - 150. "Gas Aware" CH4 monitor false alarms (?) on Feb 26, Feb 27, Mar 4 - Kitchen. Mar 12 - Hallway
Sandy Johnson	3/19/08	8:45	5 Wind Clear					Background 18 - 24. At well 18 - 28. LEL 0; % Vol Methane 0; % Vol Oxygen 20.9; HS 0; CM 0 WW Permit 142791? Construction report for ww can not be found. Owner reports well is @ 280' deep. Reporting - Brion Stephen
Todd Eddleman	4/4/08	12:45	5 Wind Clear 48°					RMLD Reading background - 38 - 26. Crawlspace vents - 18 - 26. Living Rm ceiling - 14 -24. Reading - Brion Stephen. Home owner's had contacted Mike Barrett about Ch 4 - monitor. Did a survey of prop & crawl space, very low readings. Advised wife monitor not warranted unless background reading change significantly.

**Table 4  
Hand Held Gas Meter Results**

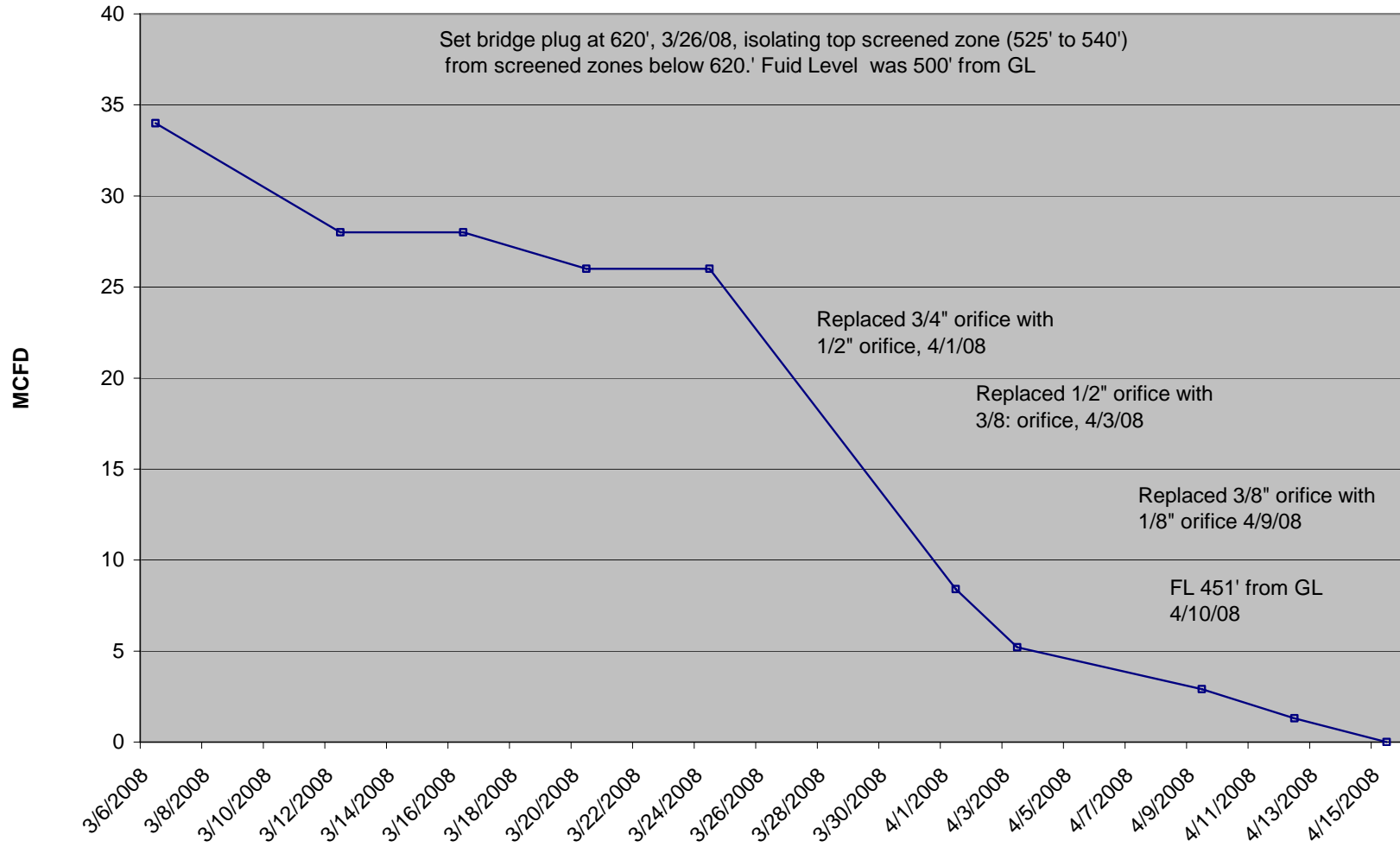
Name	Date	Time	Weather Conditions	RMLD Readings				Notes
				N	E	W	S	
Roberts	4/9/08	14:00	Calm 60°					Silver Spurs Ranch 719-859-4633 RMLD Readings - Background - 38 - 68, Living Rm ceiling - 24 - 36 With Kitchen faucet running 1 min - 38 - 58. At well cap - 51 - 70, cap off - 1300 - 1500 for few seconds. Reading - Brion Stephen Owner had talked with Mike Barrett, about methane in well. Will install 1 1/2" PVC vent riser in well cap and monitor for changes once every 6 - 8 weeks.

**Table 5**  
**Residences Receiving Water**

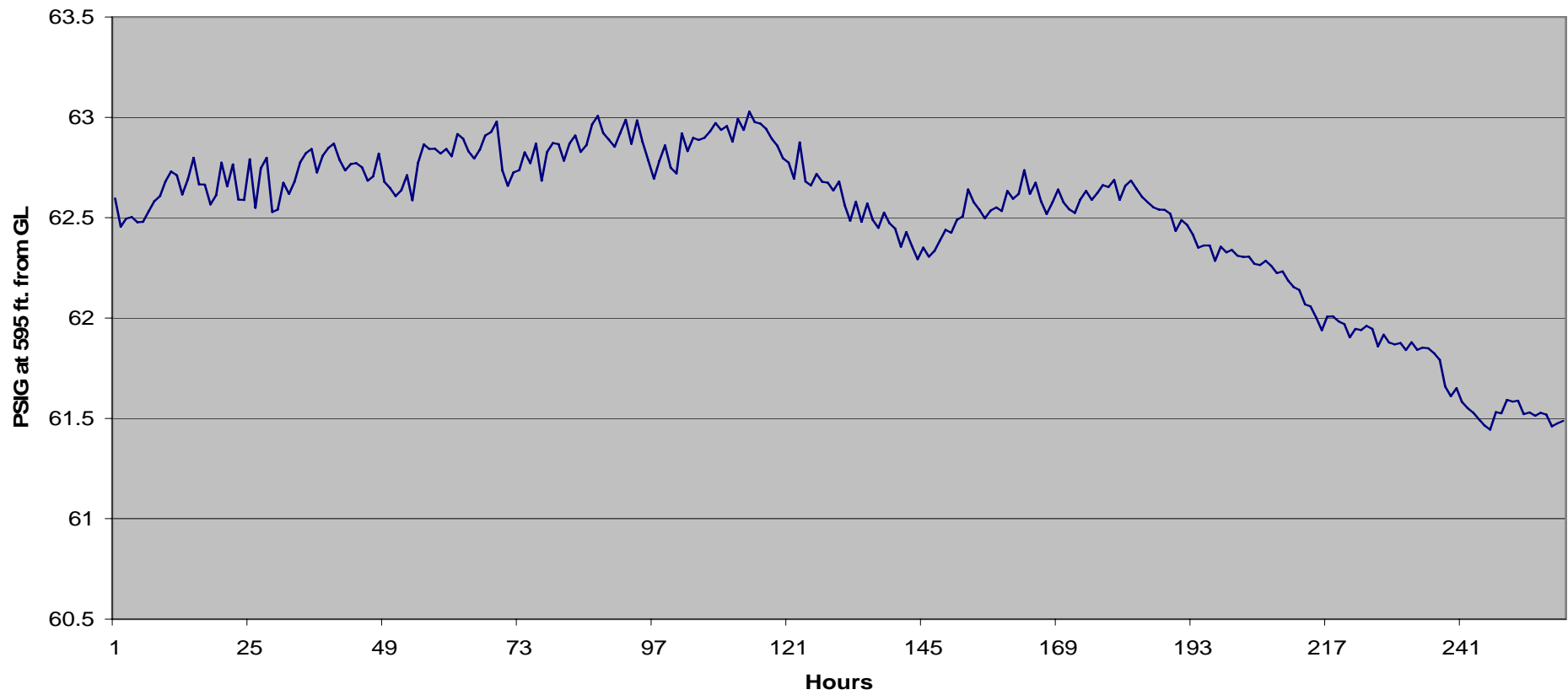
Jerry Angely	Has received water provided by PEI in the past but his well is currently working now
Kent Smith	Has received water provided by PEI
Alan Cramer	Has received water provided by PEI
Tom Gonzales	Has received water provided by PEI
Spencer/Carol Snow	Has received water provided by PEI
Bruington	Has received water provided by PEI
Todd Eddelman	Has received water provided by PEI
Paul Eddleman	Has received water provided by PEI
Jim White	Has received water provided by PEI
Edward Lyon	New to list as of 3/12/08
Donald Sharp	New to list as of 3/14/08

**Attachment 1**  
**Monitoring Results for monitoring Well POCI 55**

### POCI 55 MW Gas Flow from 3/6/08 to 4/15/08



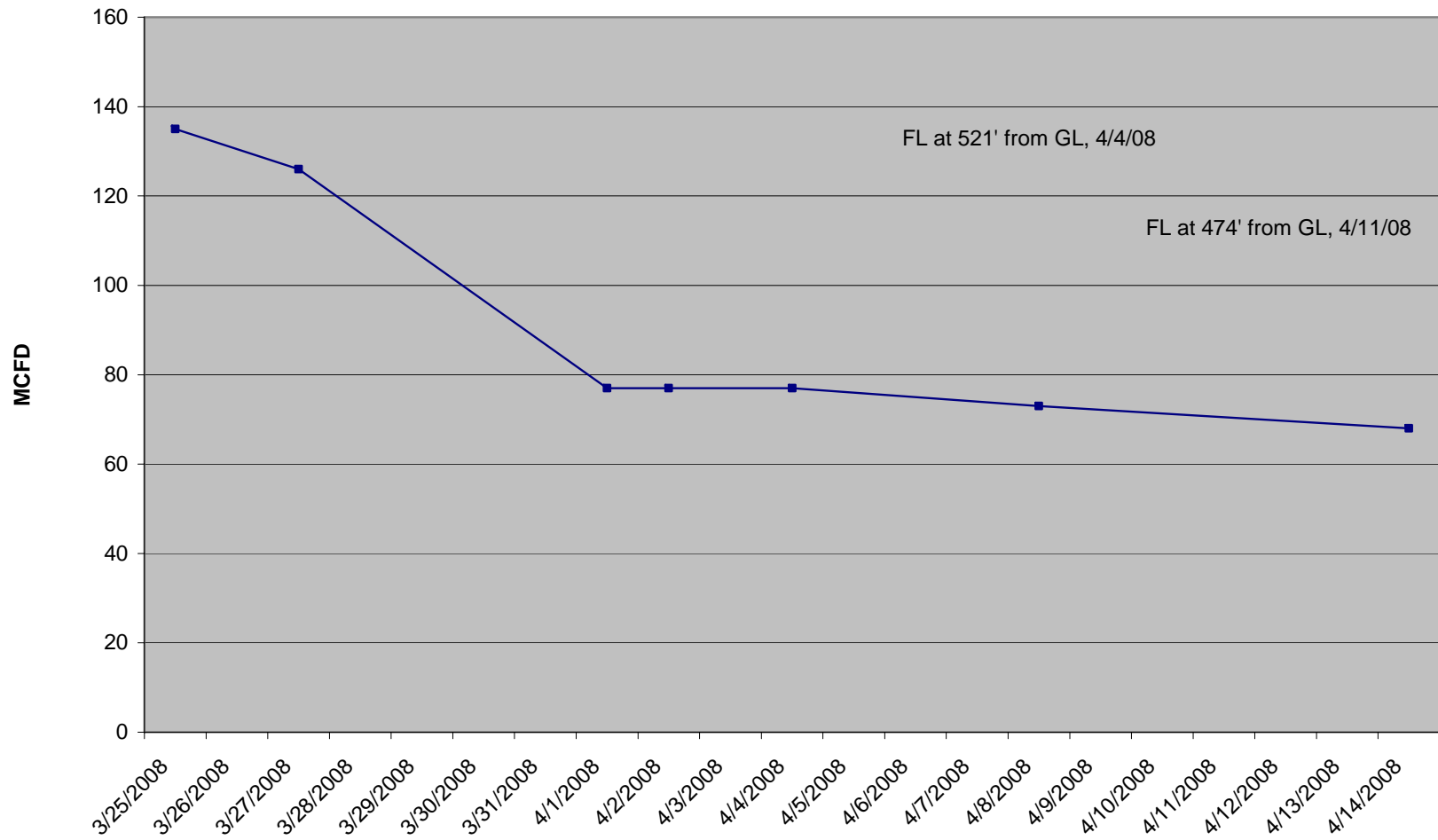
**POCI 55 Monitor Well from 4/2/08 to 4/12/08**  
**Permit # 275819**  
**Lot 55 RRR**  
**SE SW Sec 3 29S 67W**  
**GL elev. 6690'**



**Attachment 2**  
**Gas Flow Graph for Recovery 1 Kittleson Well**

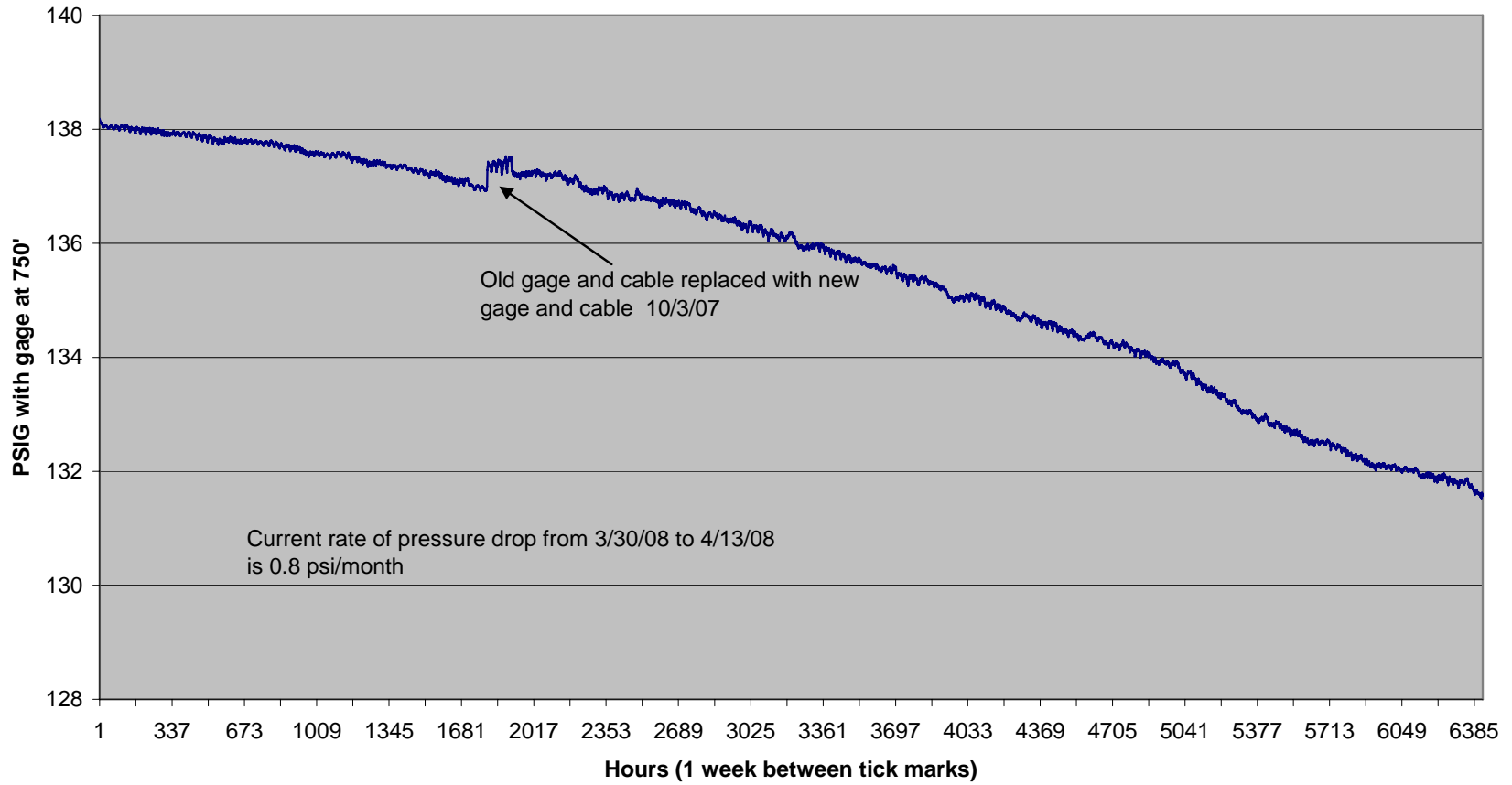


### Recovery 1 Kittleson Gas Flow from 3/25/08 to 4/14/08

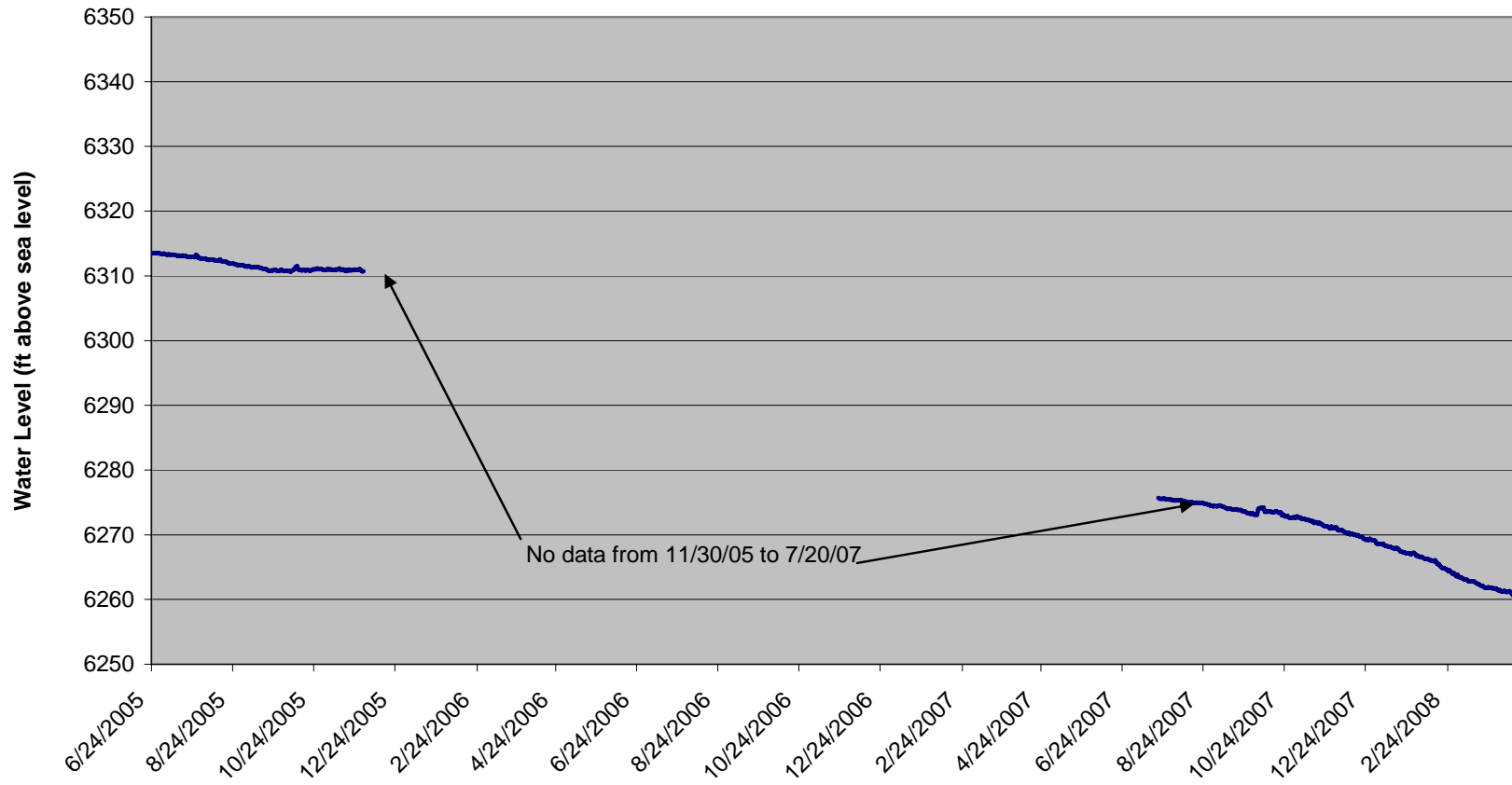


**Attachment 3**  
**Graphs of Pressure and Fluid Level Data From**  
**Barrett, Bergman, Coleman, and Meyer**

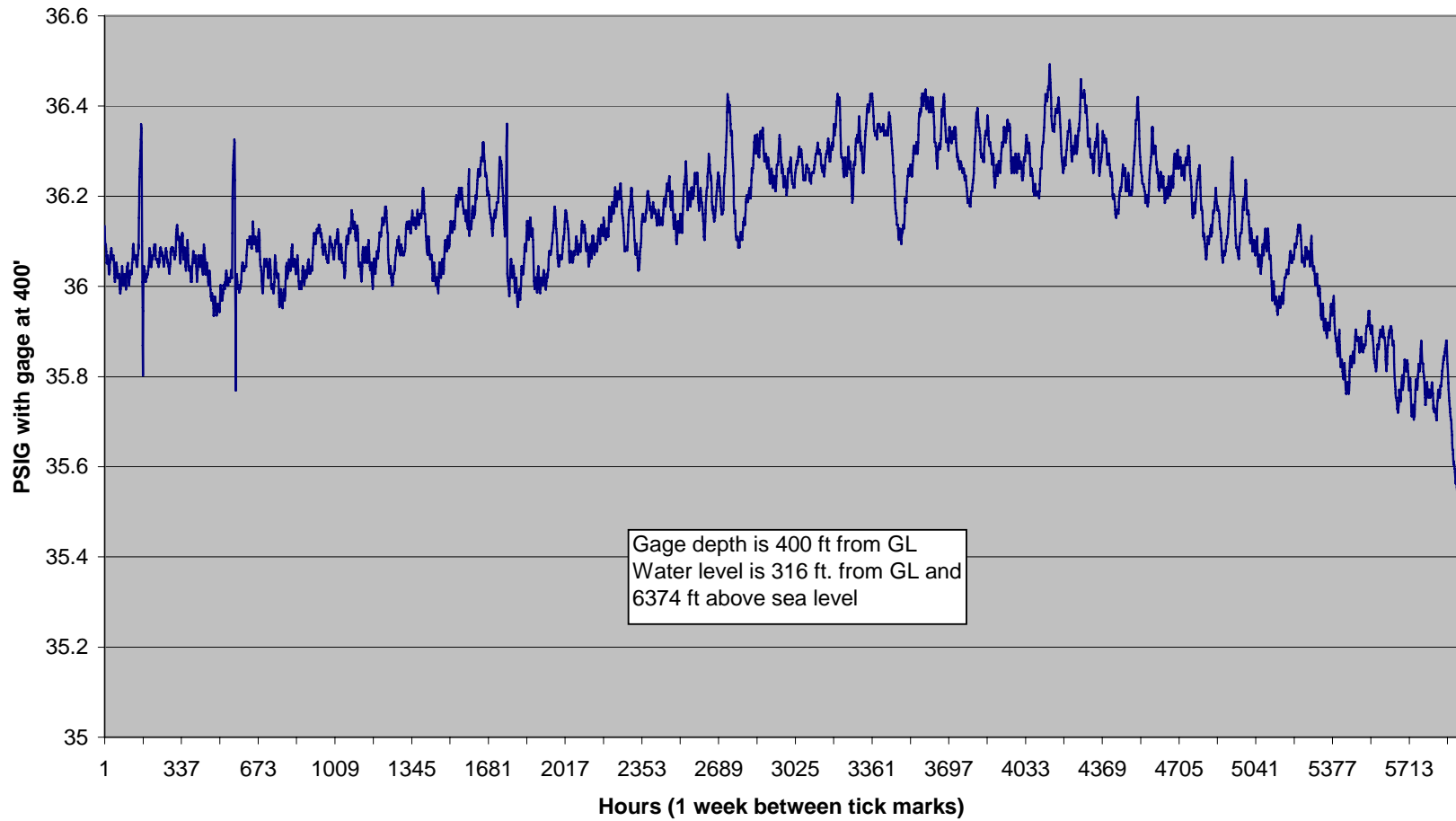
Barrett WW from 7/20/07 to 4/13/08  
Permit # 257994  
Lot 57 RRR  
NW, SE Sec 3, T29S R67W  
G.L. elev. 6707'



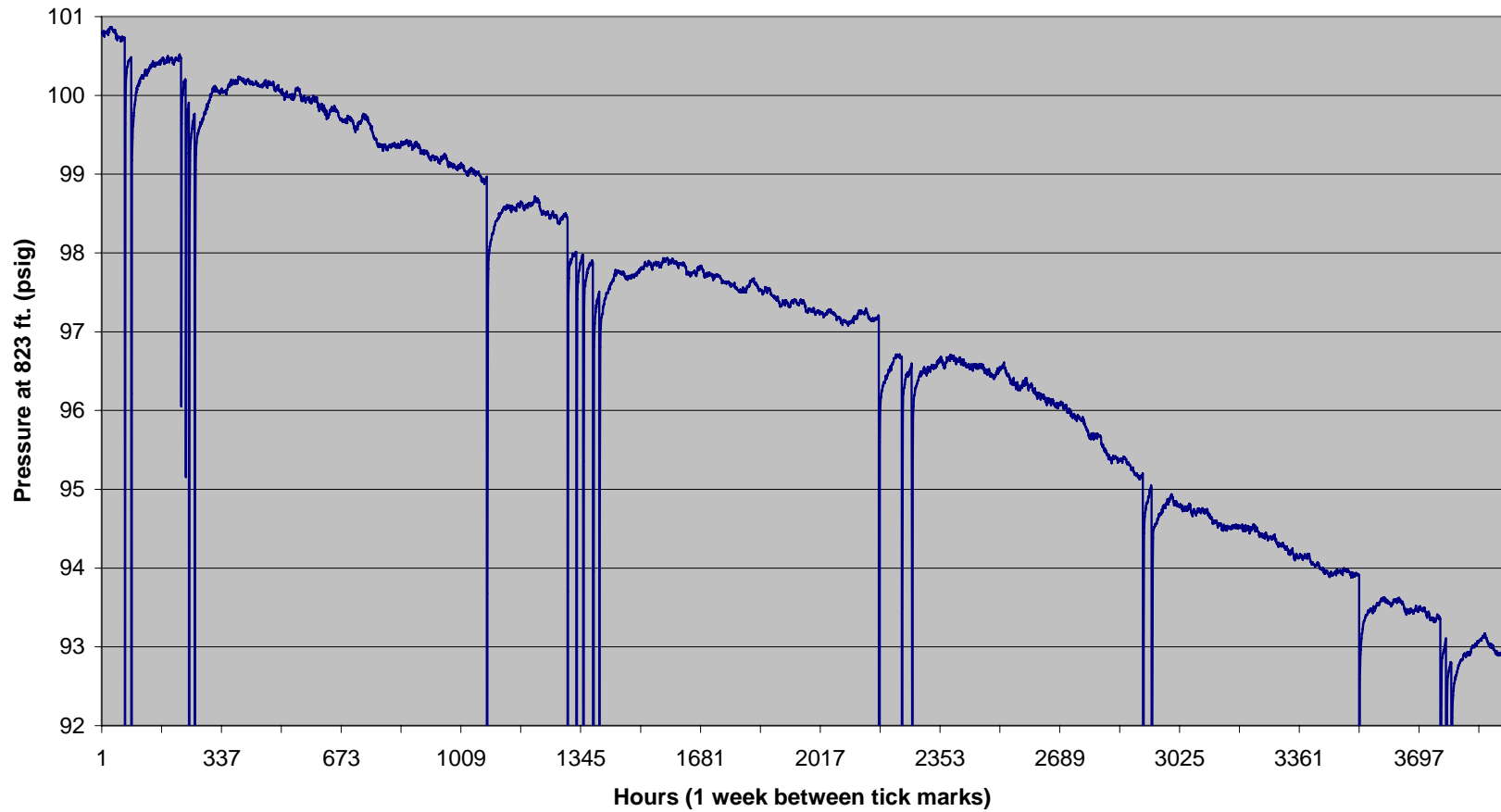
**Barrett WW**  
**Water Level from 6/24/05 to 4/13/08**  
**Permit # 257994**  
**Lot 57 RRR**  
**NW, SE Sec 3, T29S R67W**



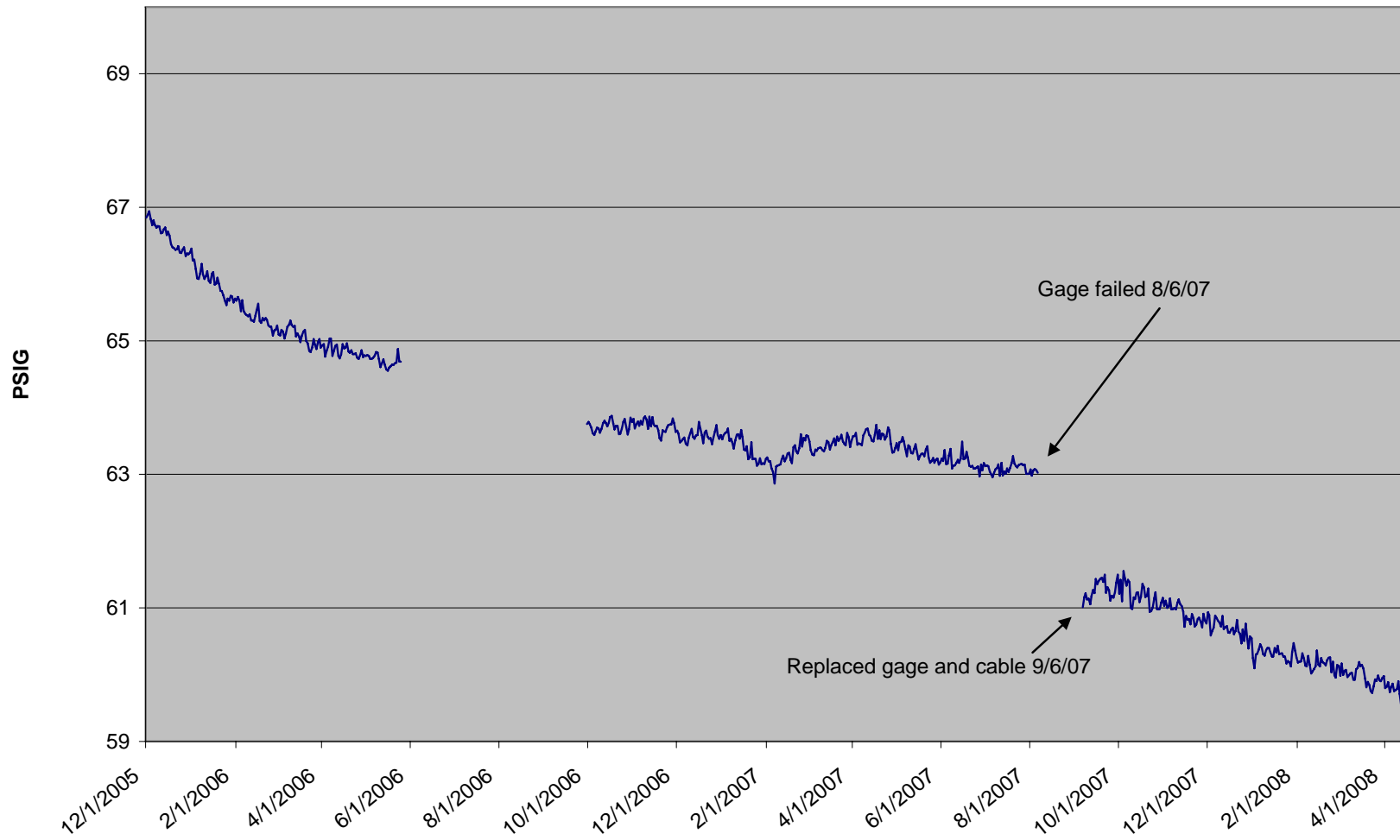
**Bergman WW pressure data from 8/9/07 to 4/12/08**  
**Permit # 24403, SW NW Sec 3 29S 67W**  
**Lot 48 RRR**



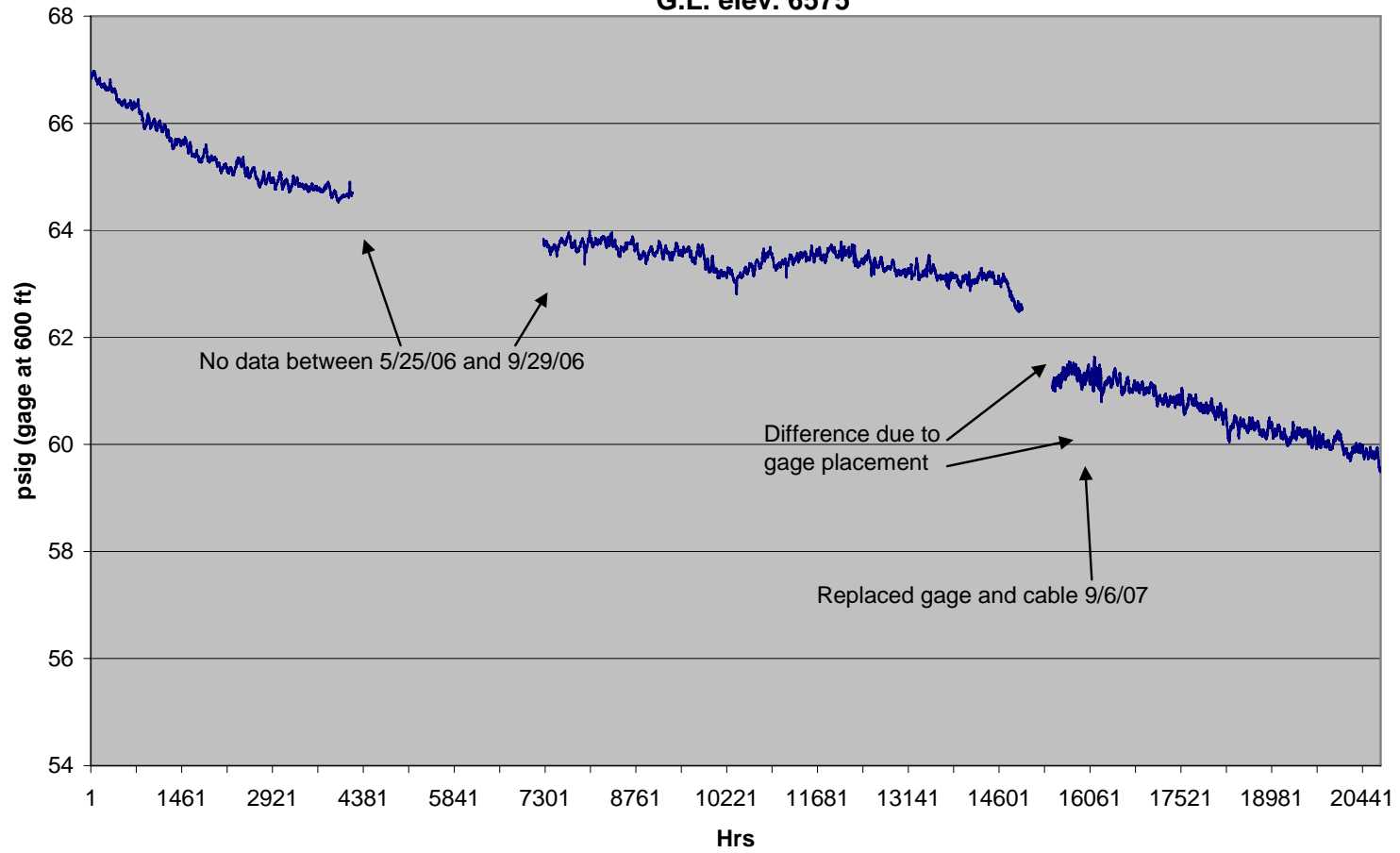
**Coleman WW Pressure Data from 10/31/07 to 4/12/08**  
**Permit # 267964 NE SW Sec 10 29S 67W**  
**Lot 70 RRR**  
**G.L. elev. 6848'**



Meyers WW BHP from 12/1/05 to 4/12/08

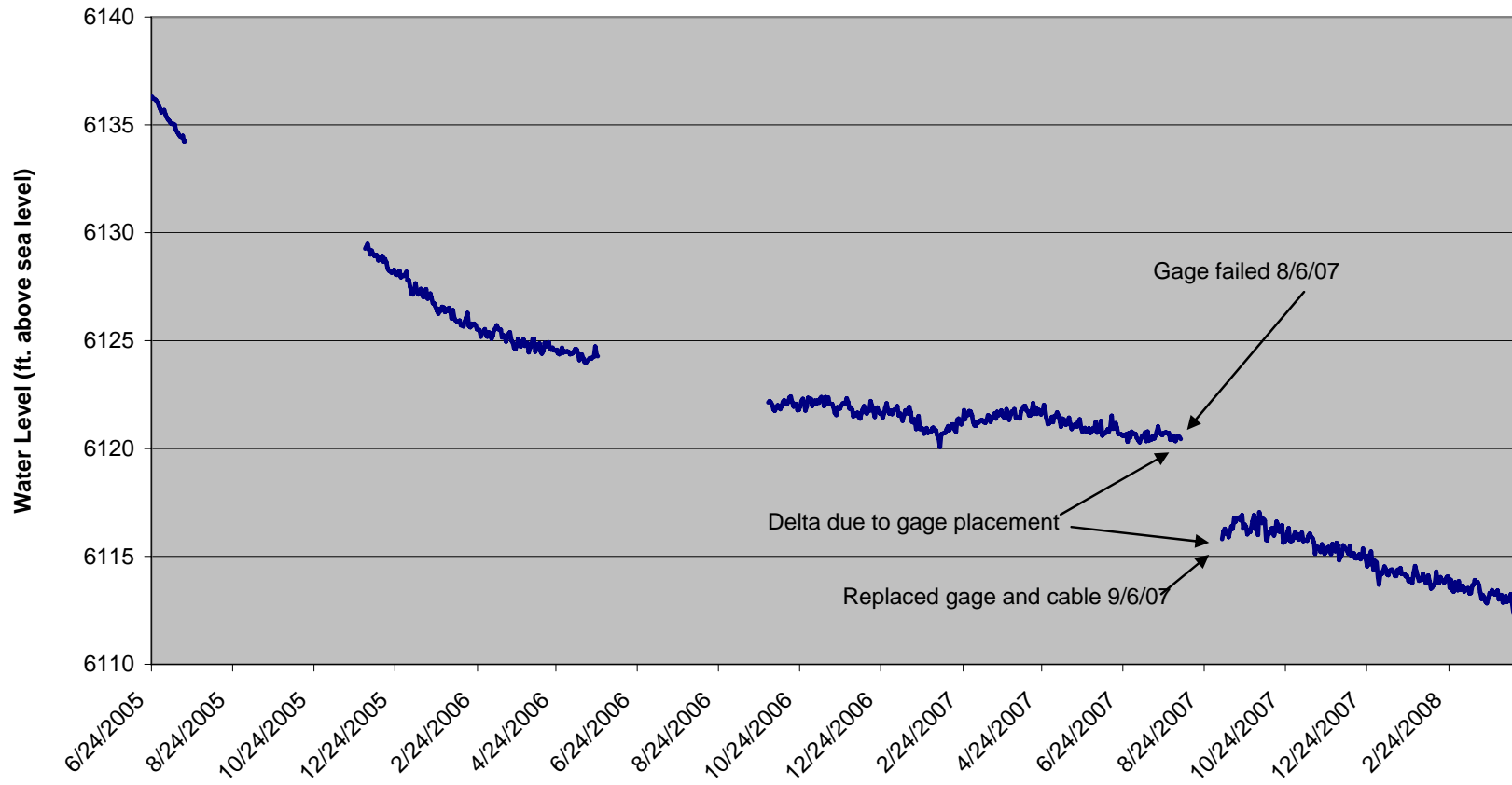


Meyers WW 11/30/05 to 4/12/08  
Permit # 248862  
Lot 120 RRR  
SW, NE Sec 30 T28S R66W  
G.L. elev. 6575'



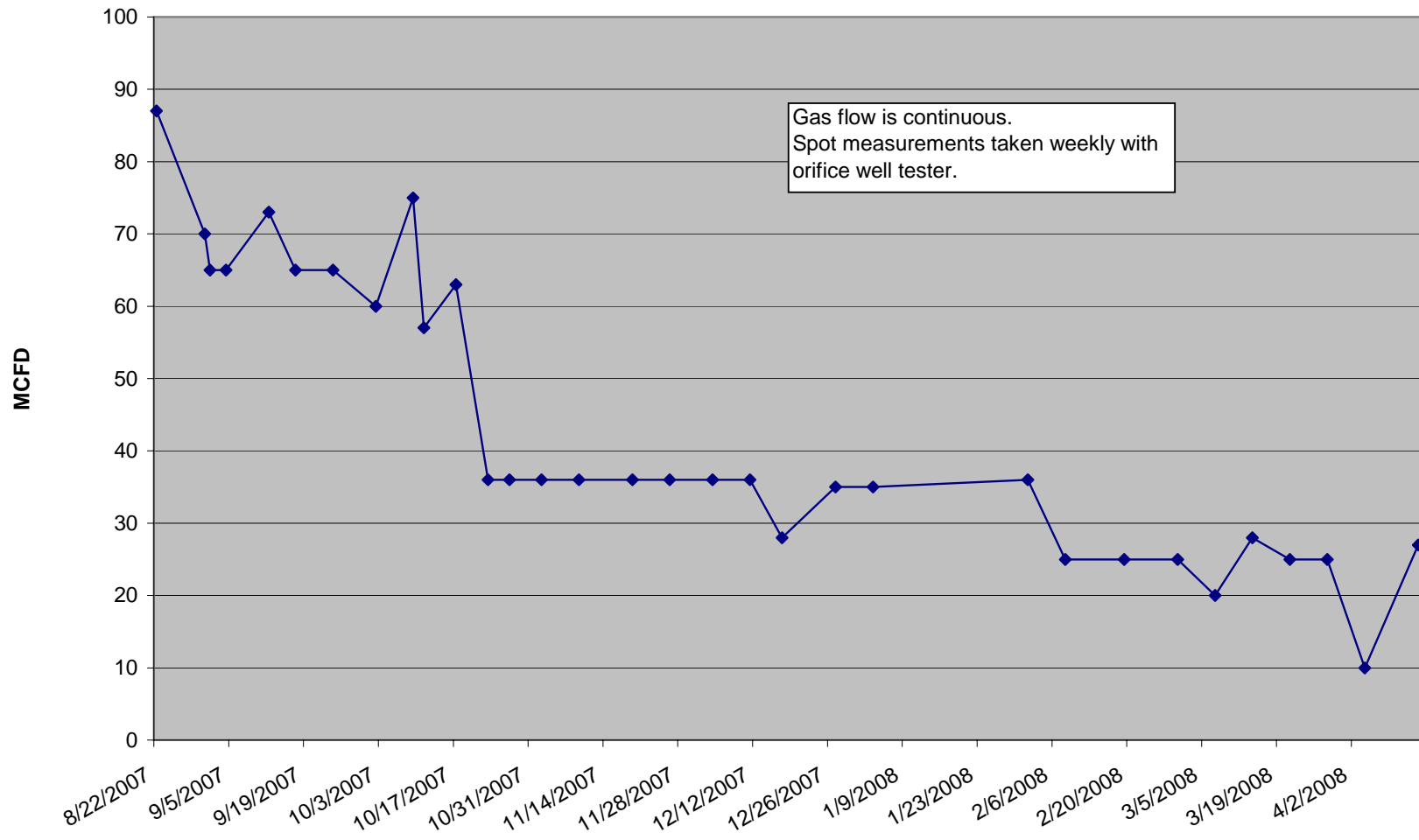


Meyer WW Water Level from 6/24/05 to 4/12/08  
Permit # 248862  
Lot 120 RRR  
SW, NE Sec 30 T28S R66W

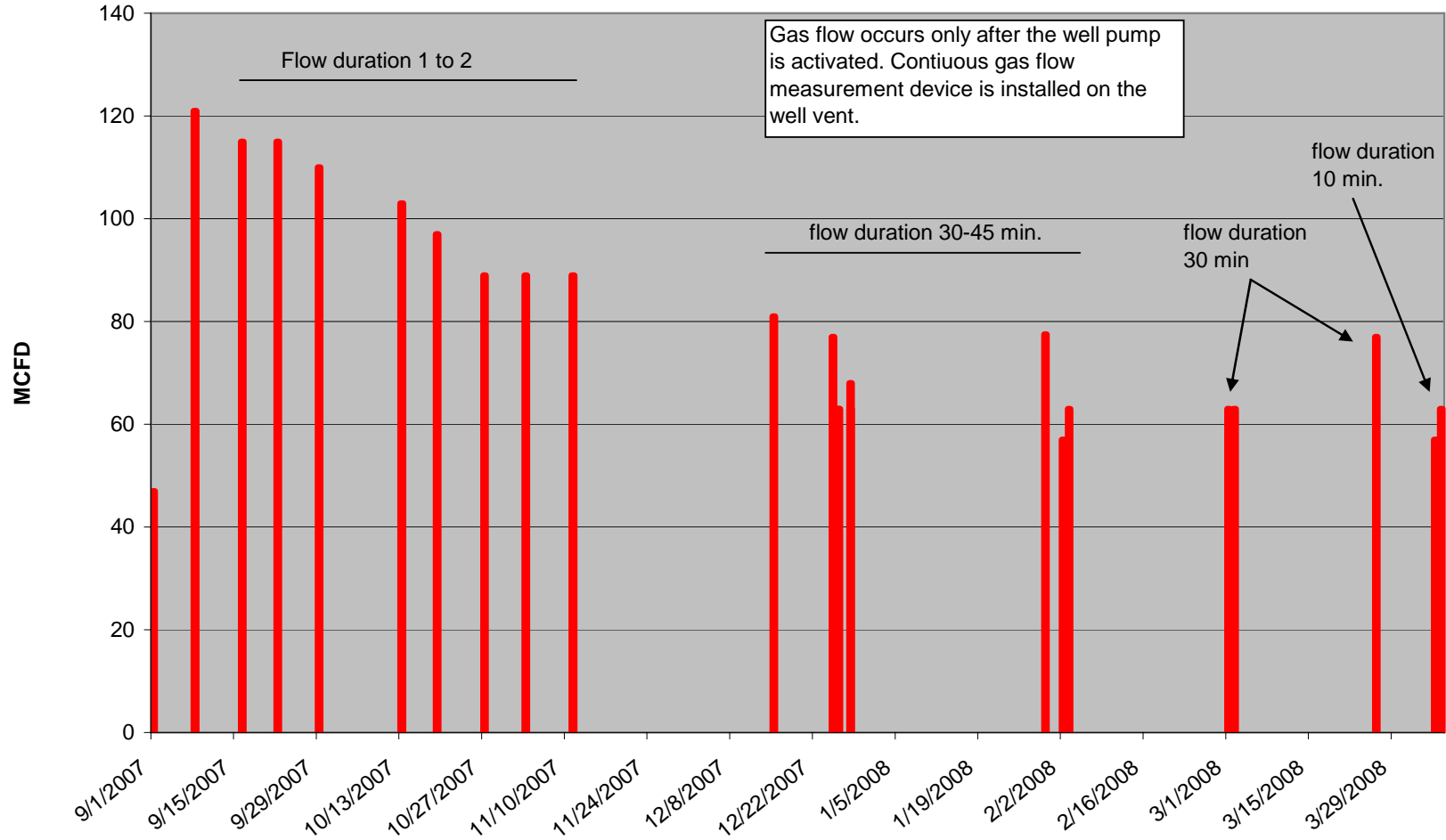


**Attachment 4**  
**Gas Flow Measurements at Bruington, Coleman, Angely, Bounds, and Smith**

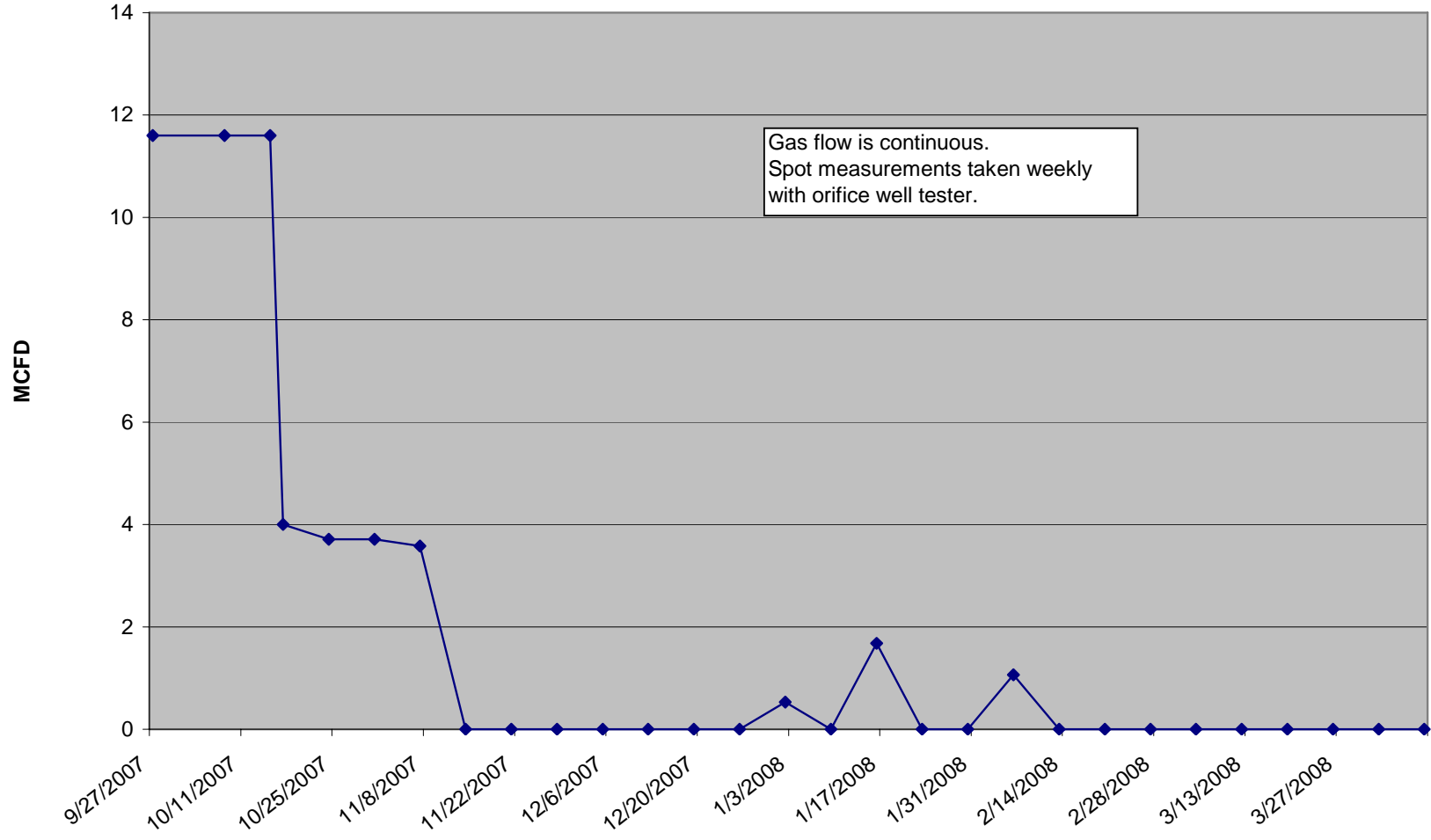
**Bruington WW # 210526 Measured Gas Flow  
from 8/22/07 to 4/14/08**



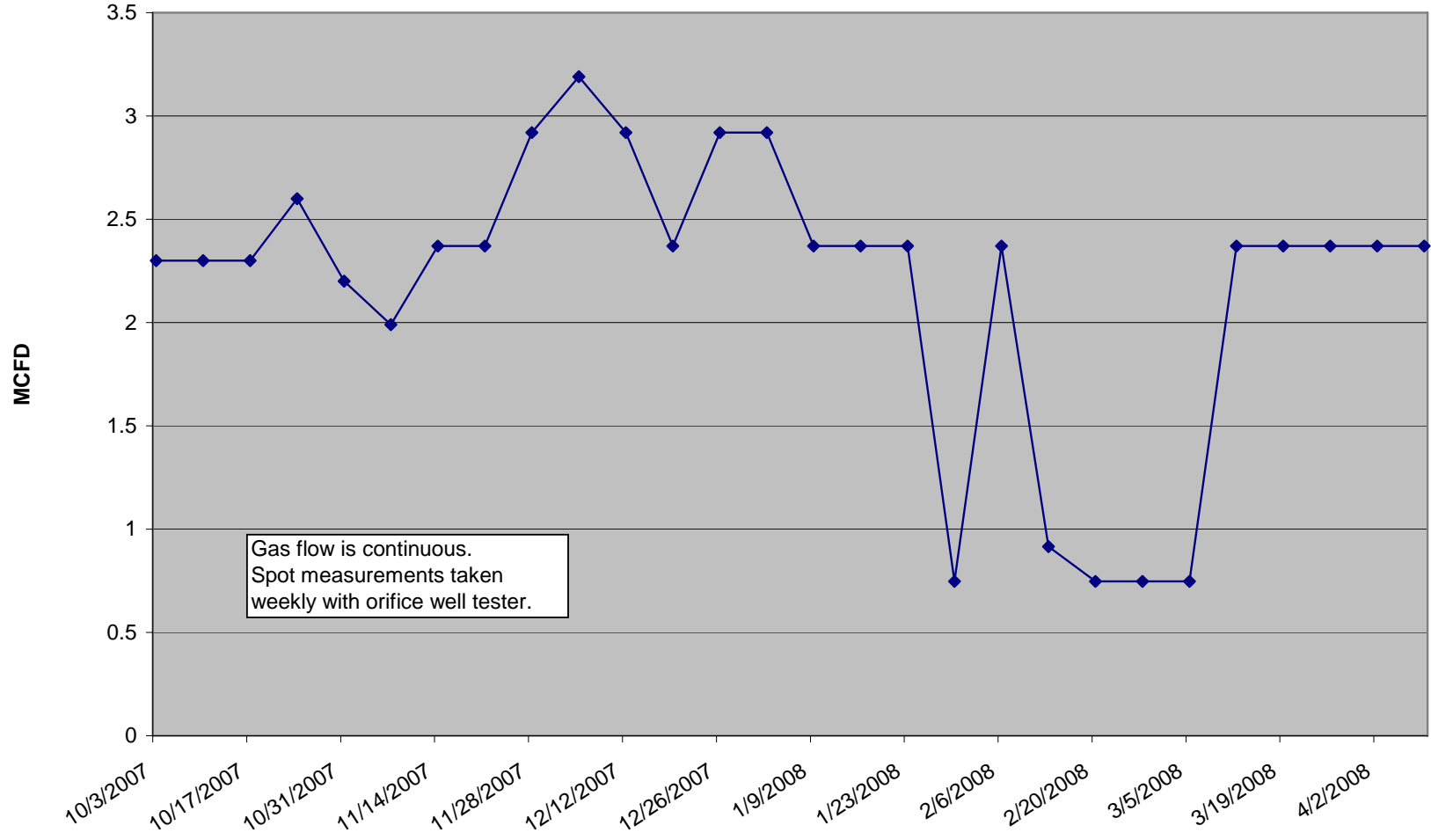
**Coleman WW #267294 Measured Gas Flow  
from 9/1/07 to 4/6/08**



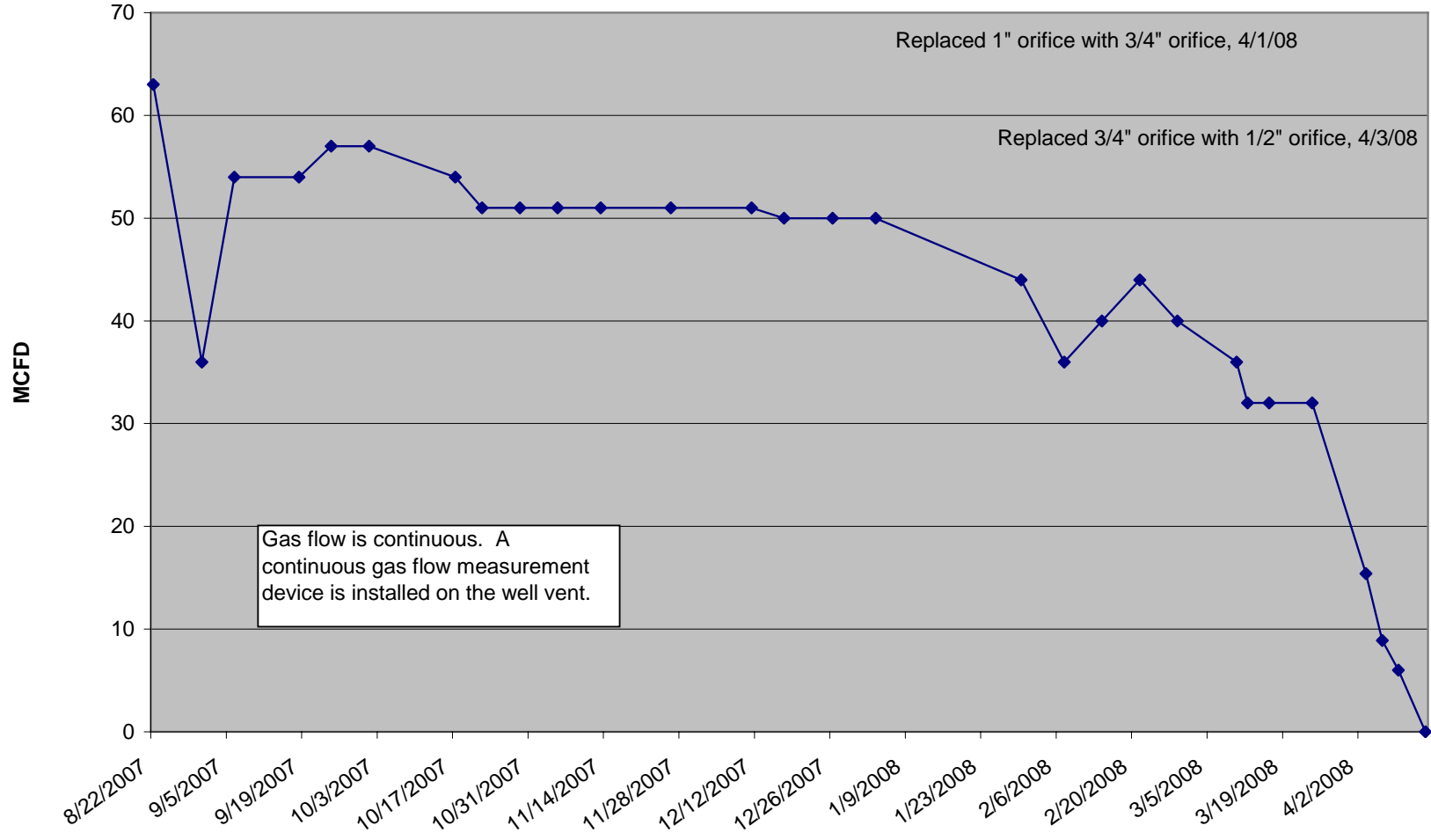
**Angely WW # 238689 Measured Gas Flow  
from 9/27/07 to 4/9/08**



**Bounds WW #181278 Measured Gas Flow  
from 10/3/07 to 4/9/08**



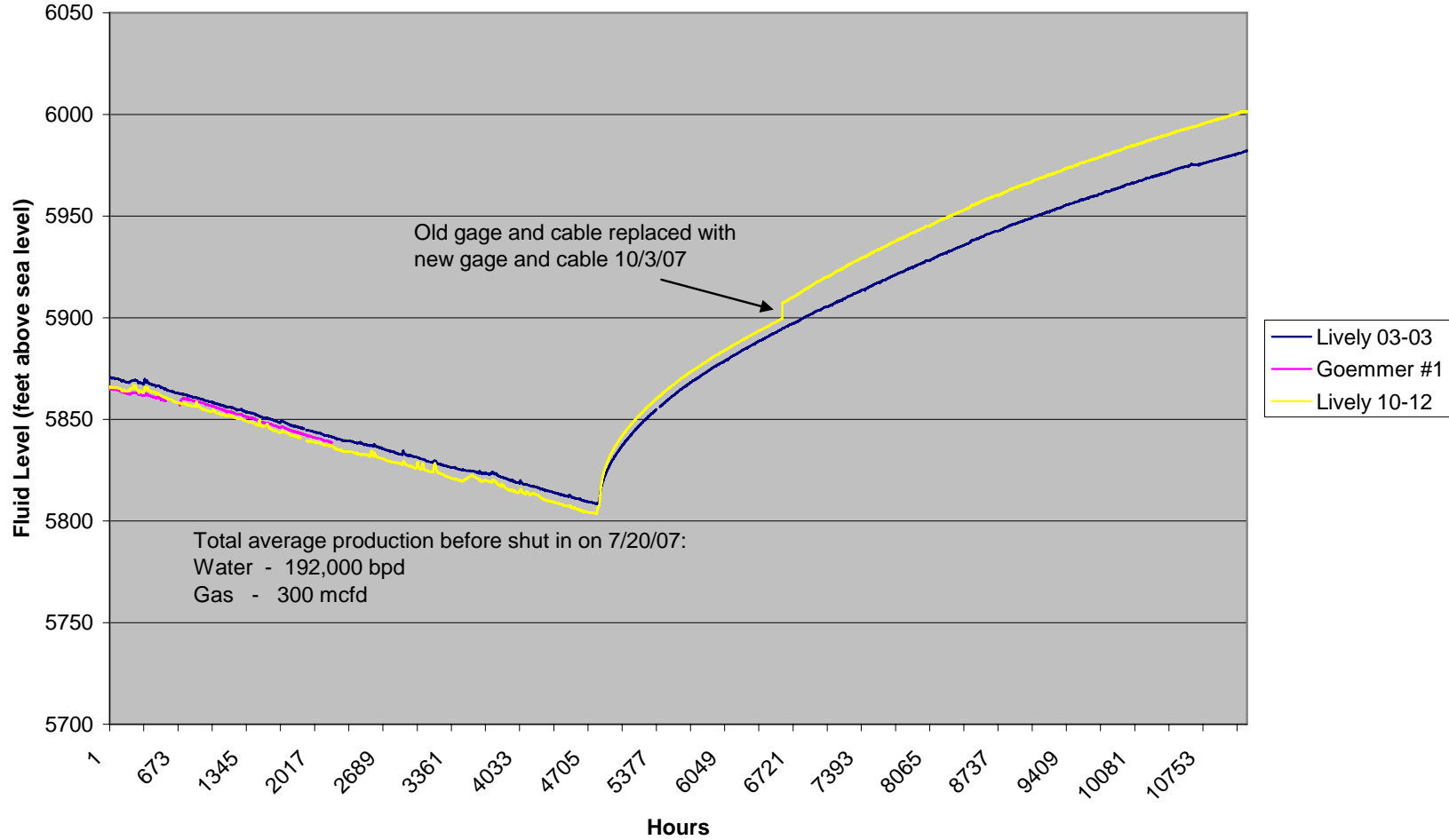
Smith WW # 239657 Measured Gas Flow  
from 8/22/07 to 4/14/08



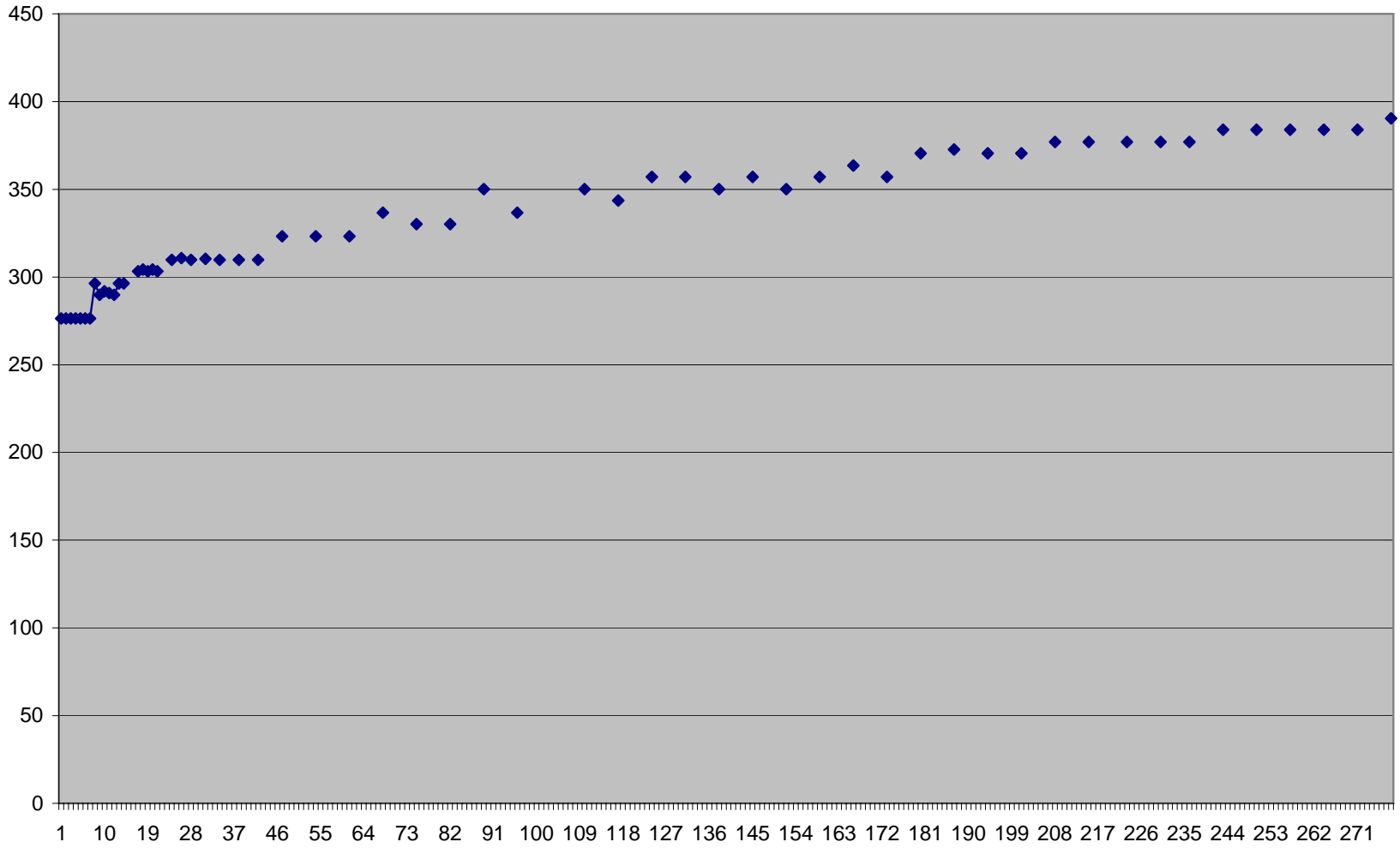
**Attachment 5**  
**Fluid Levels in Petroglyph Production Wells**



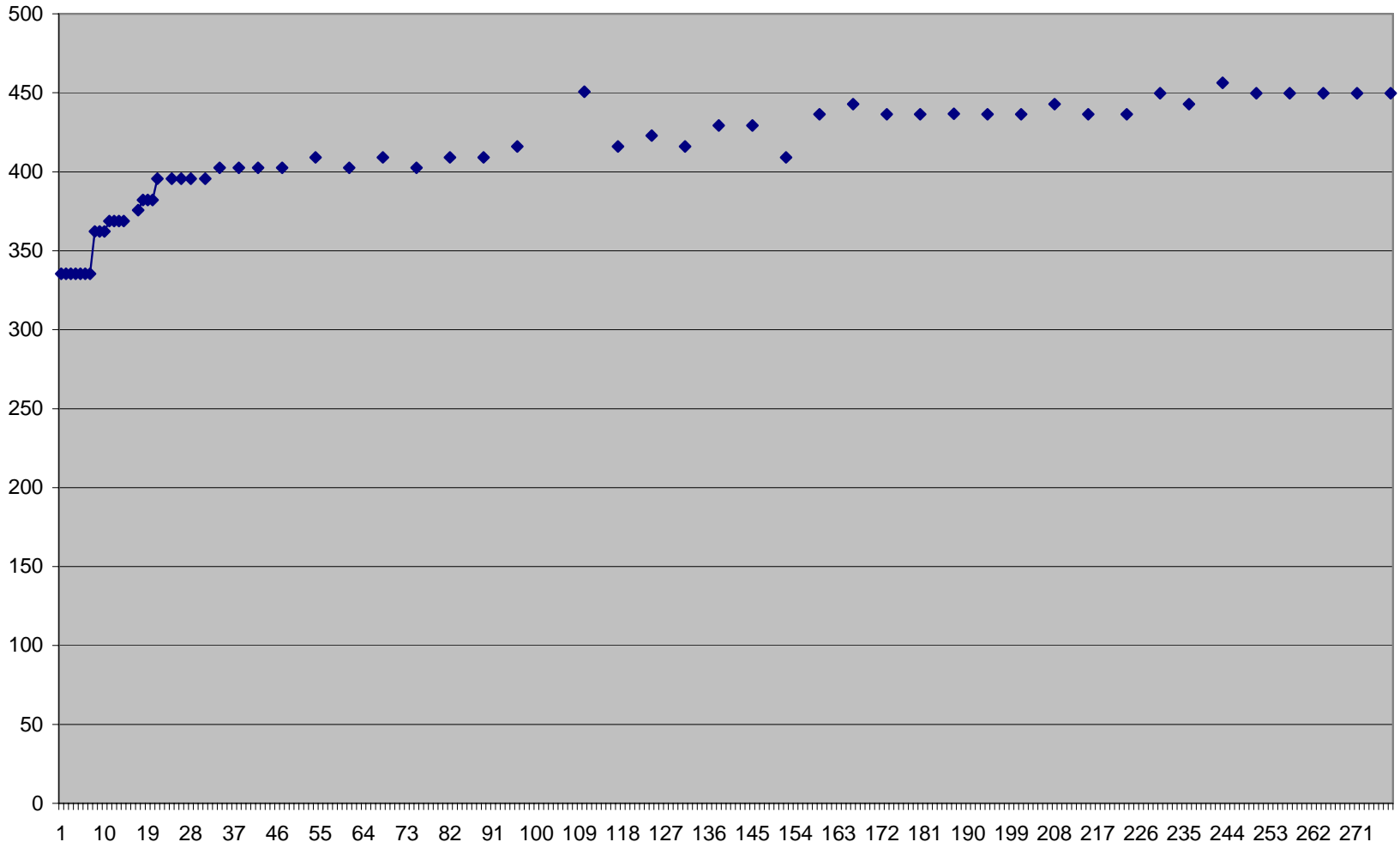
**Monitor Well Fluid Levels PBU  
from 1/1/07 to 4/12/08**



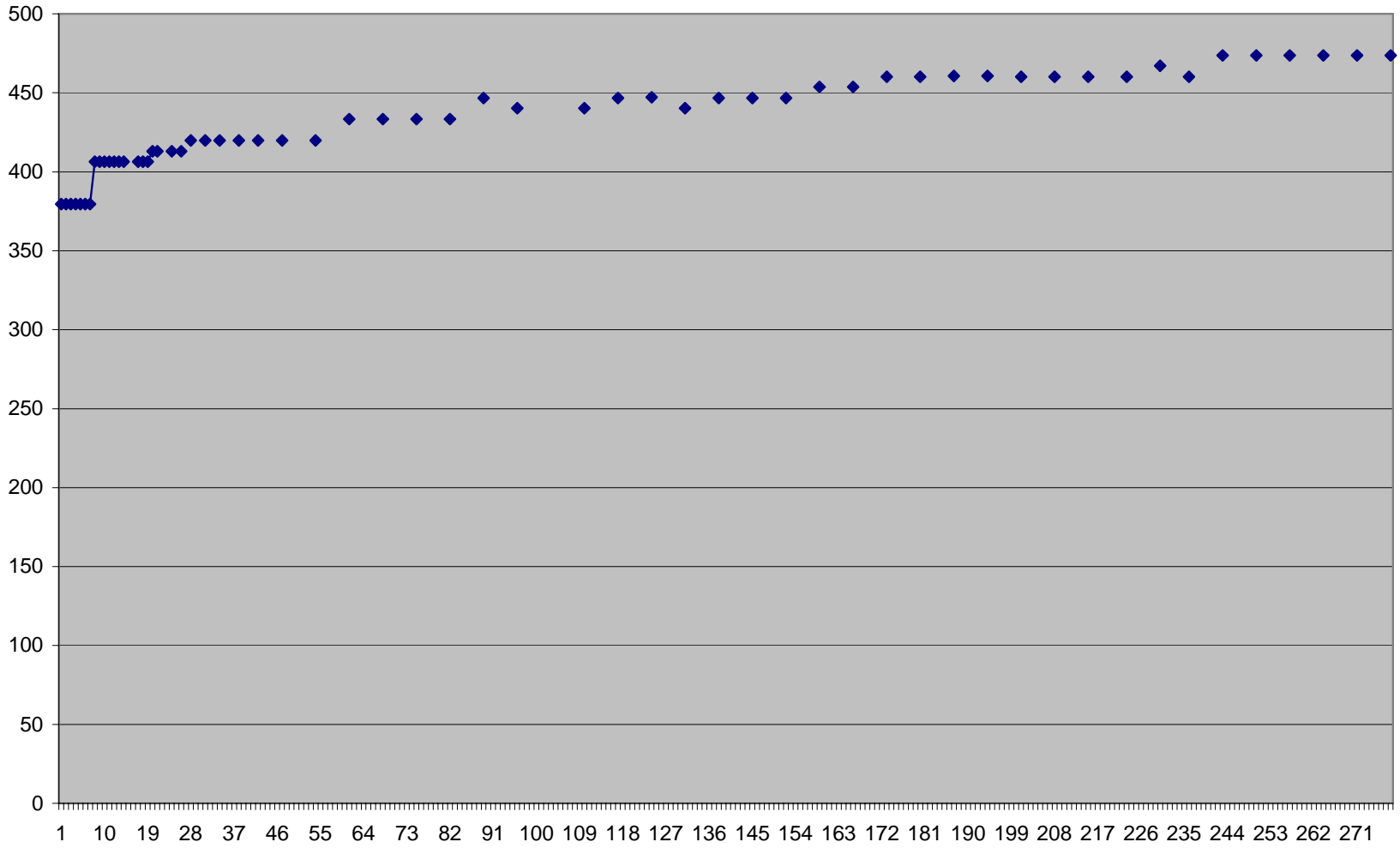
### Lively 02-02



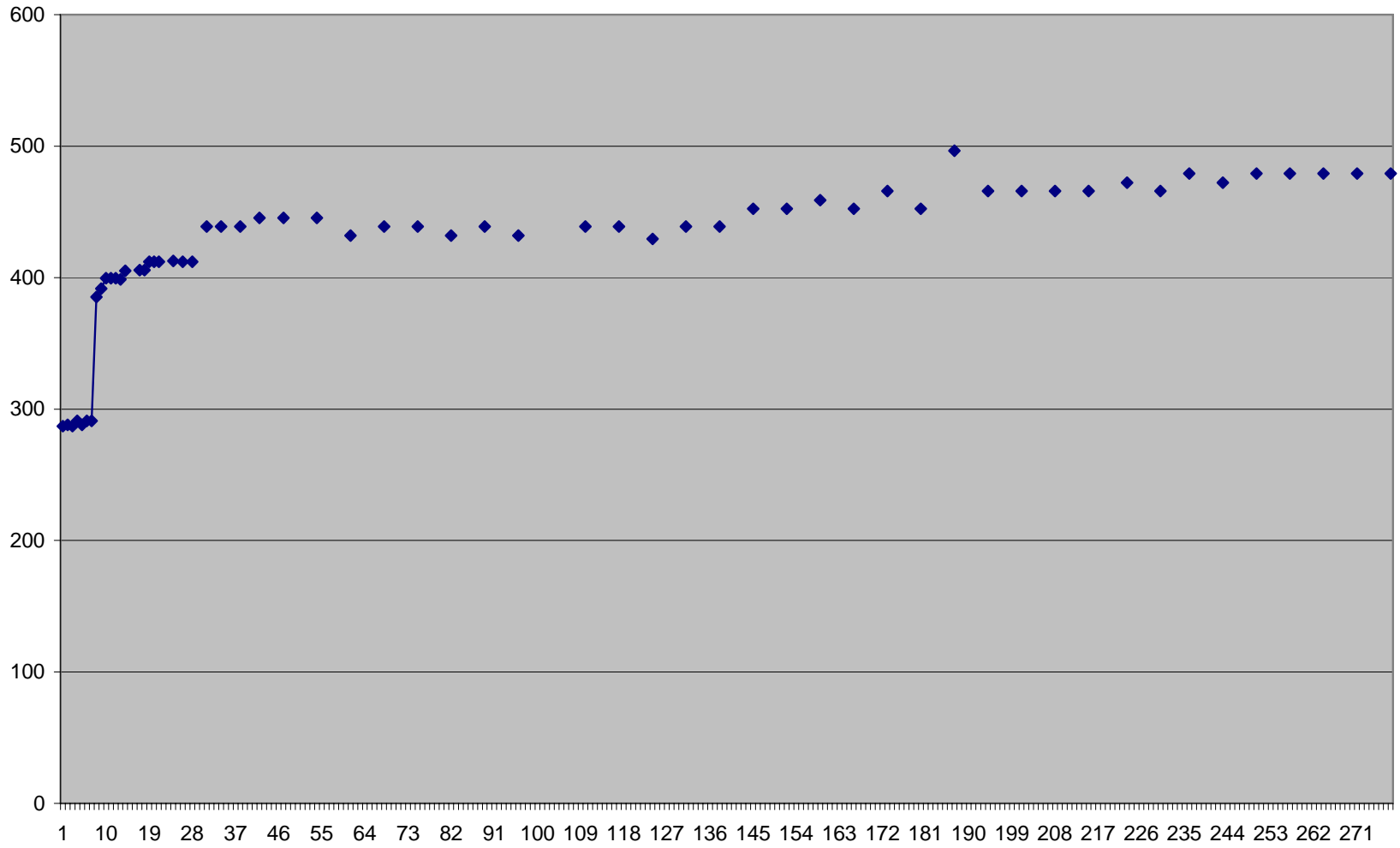
### Lively 02-12



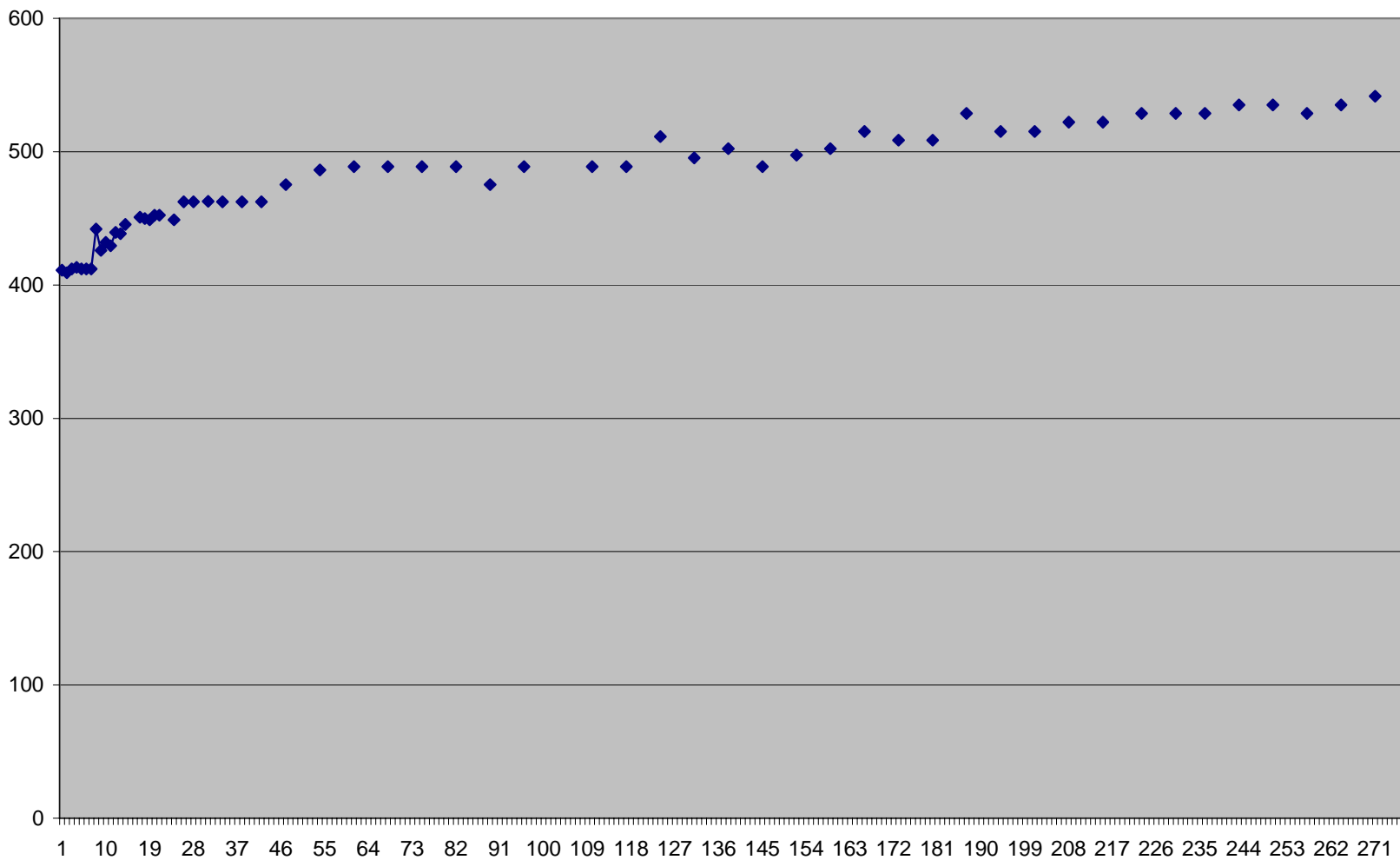
### Lively 03-01



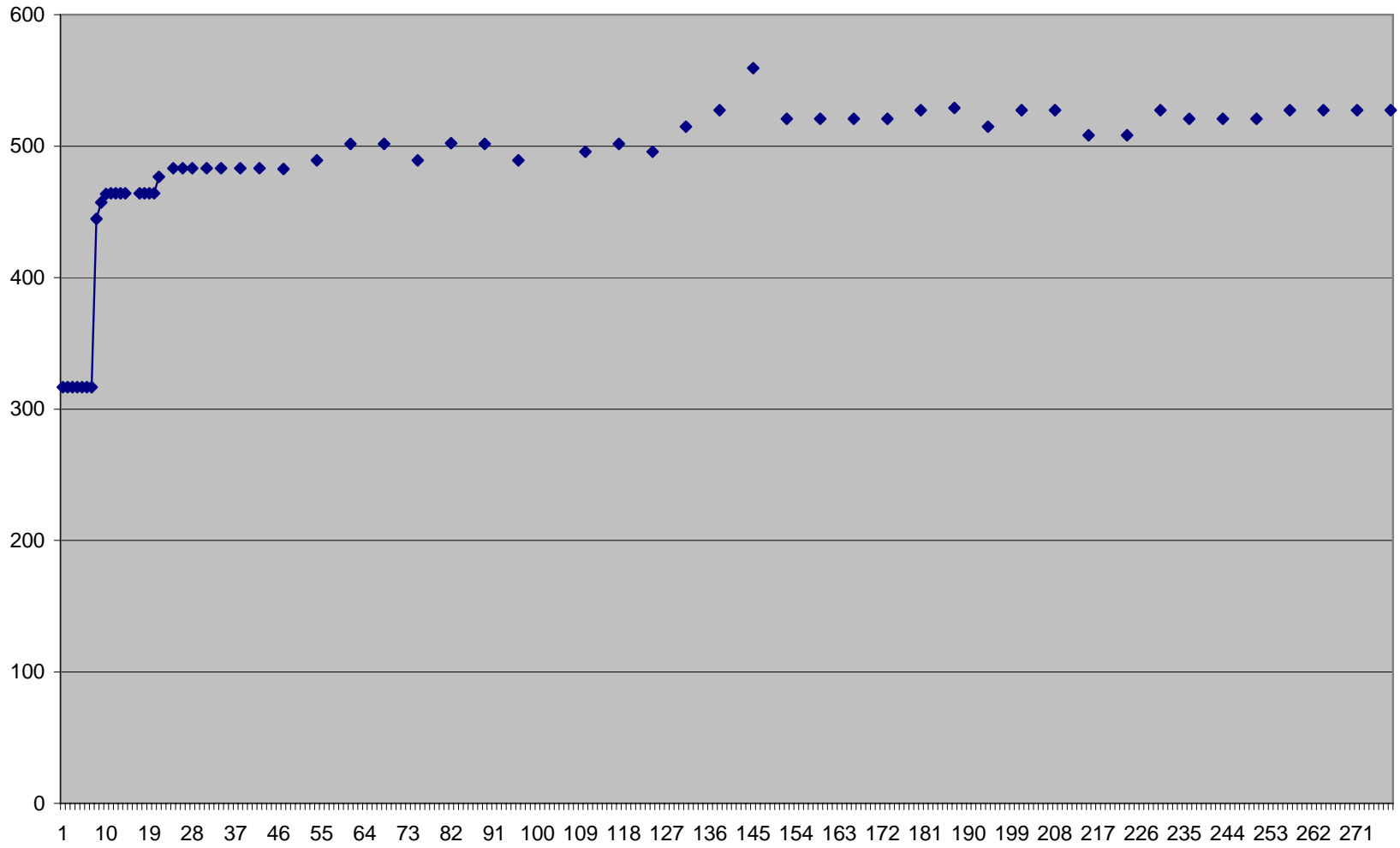
### Lively 03-10



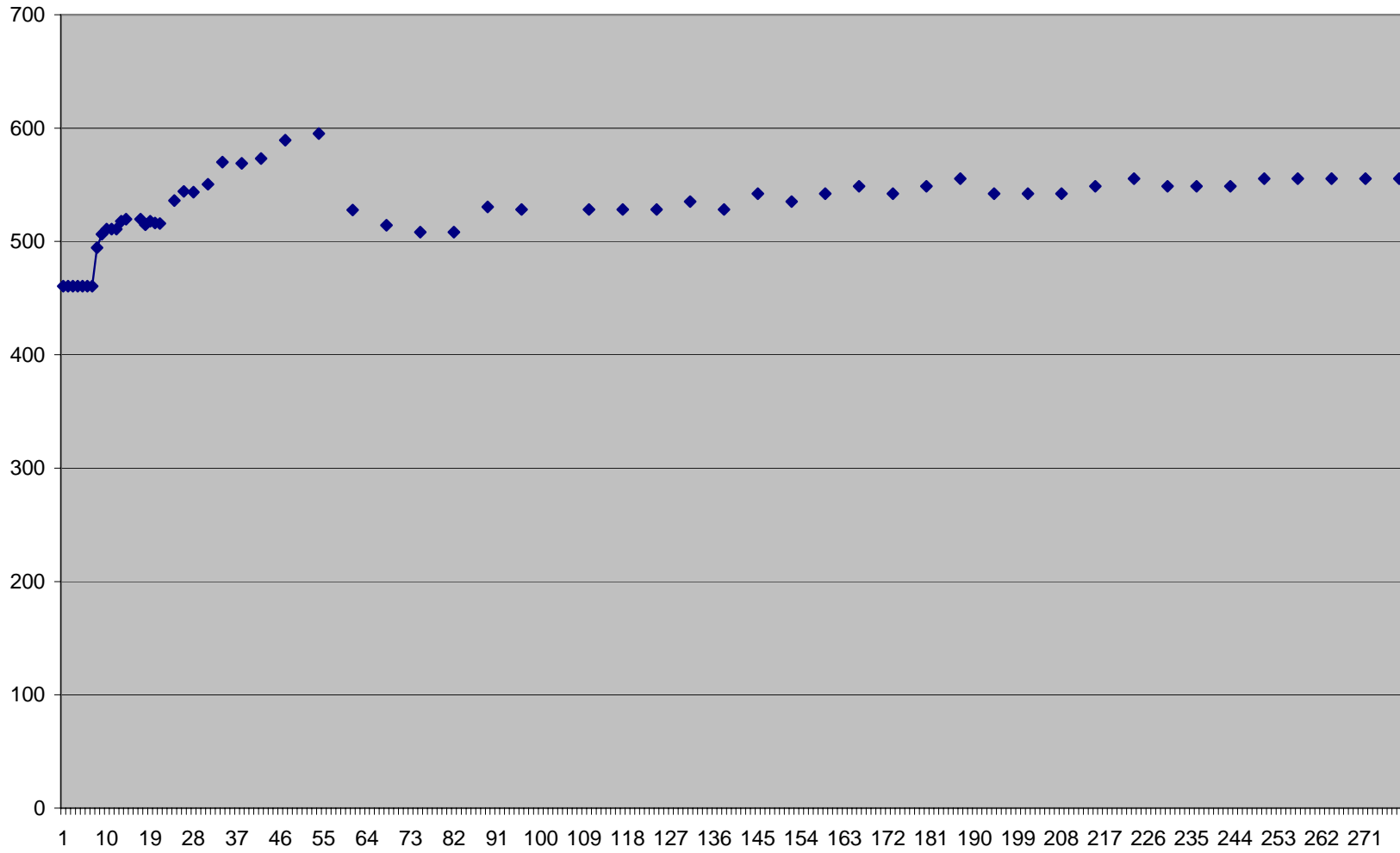
### Lively 03-12



### Lively 10-04

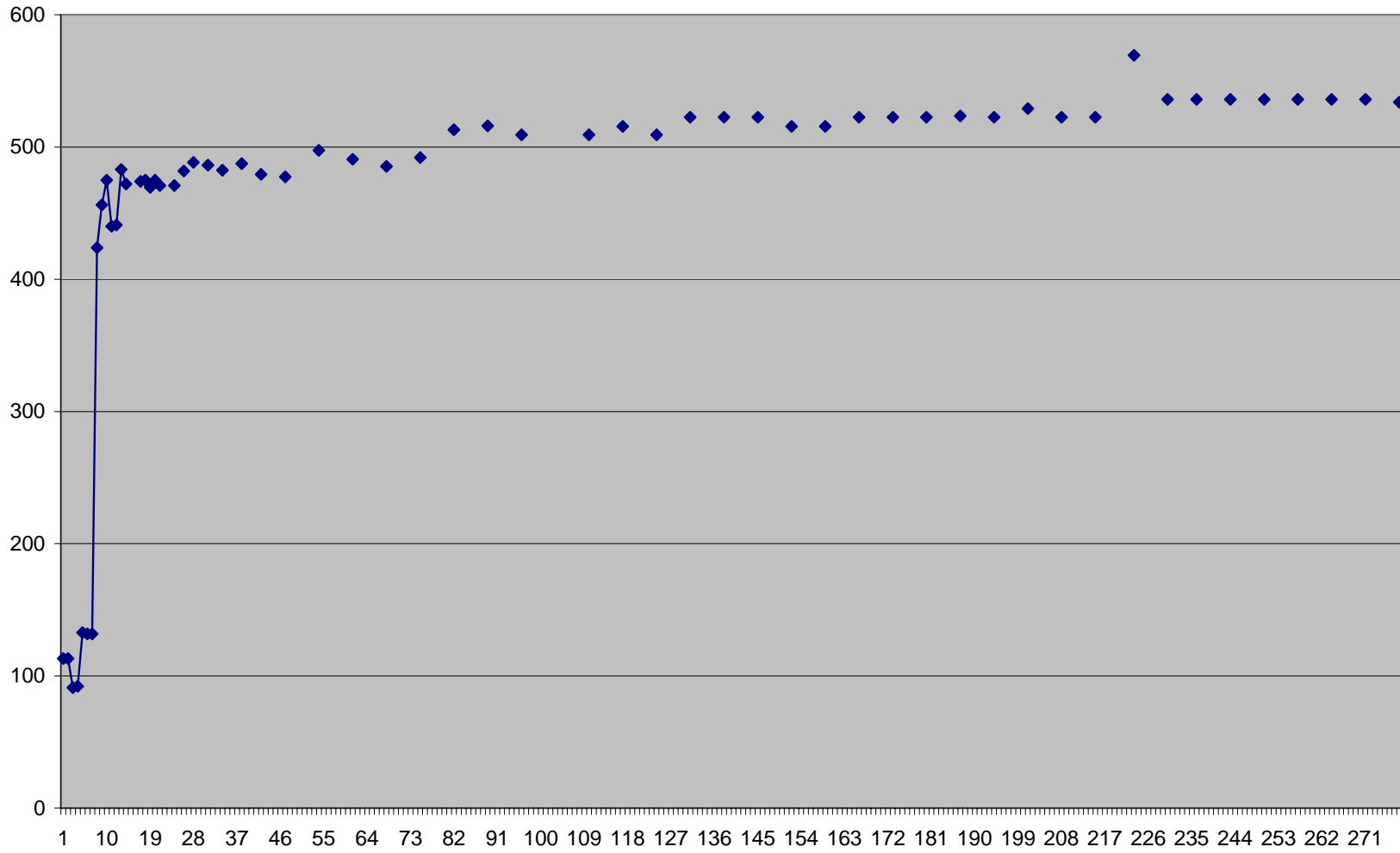


### Rohr 04-10

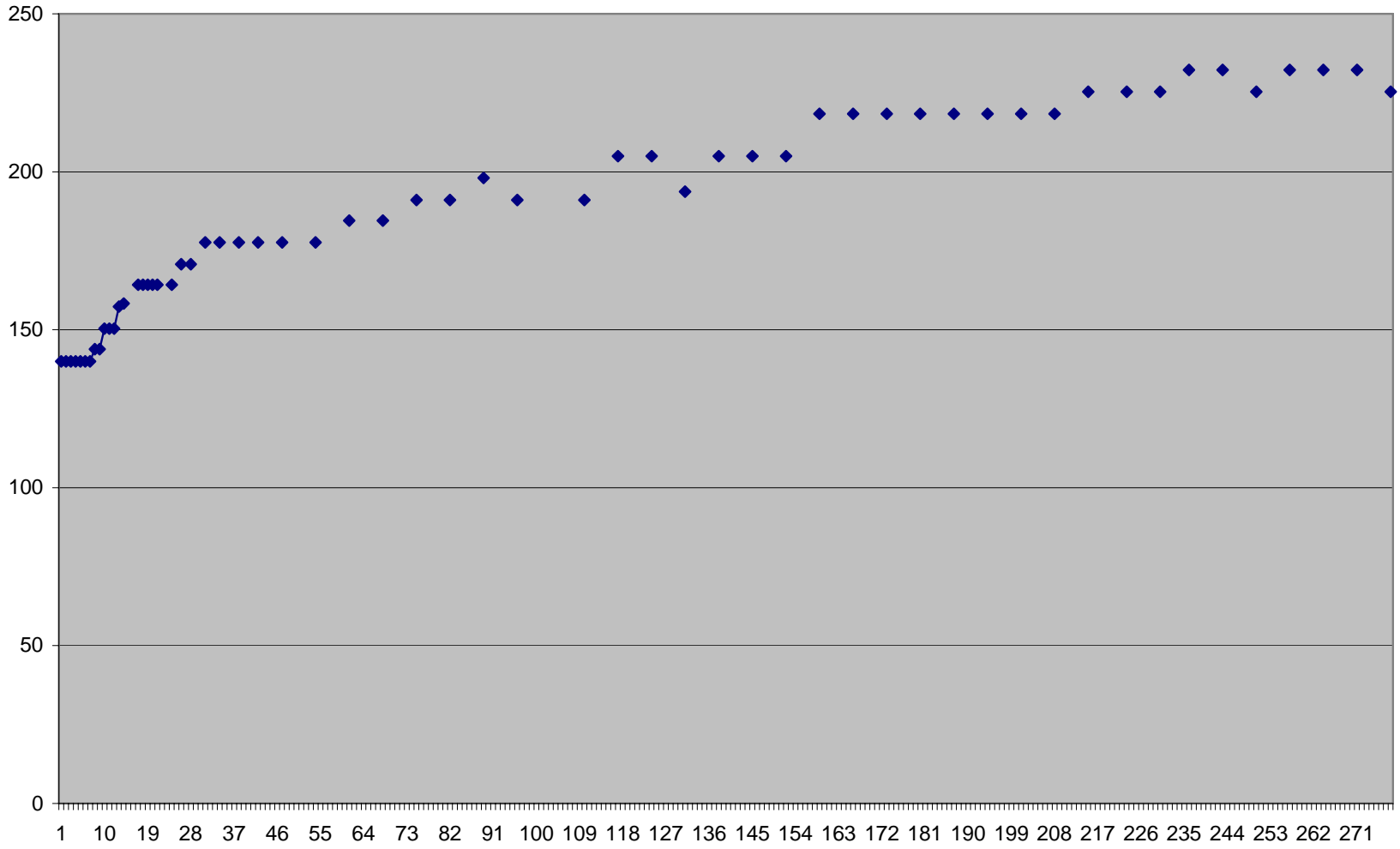




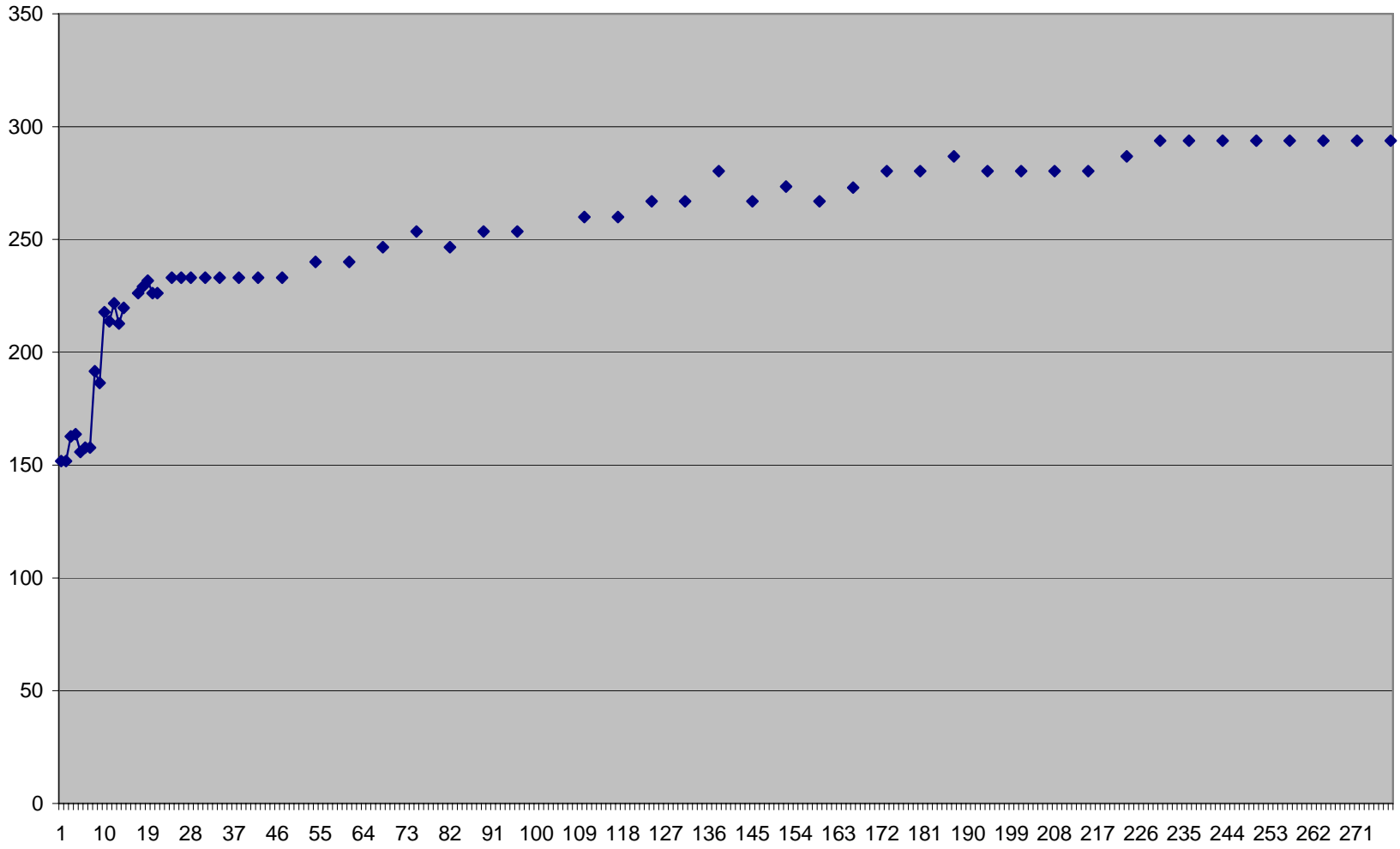
### Rohr 09-10



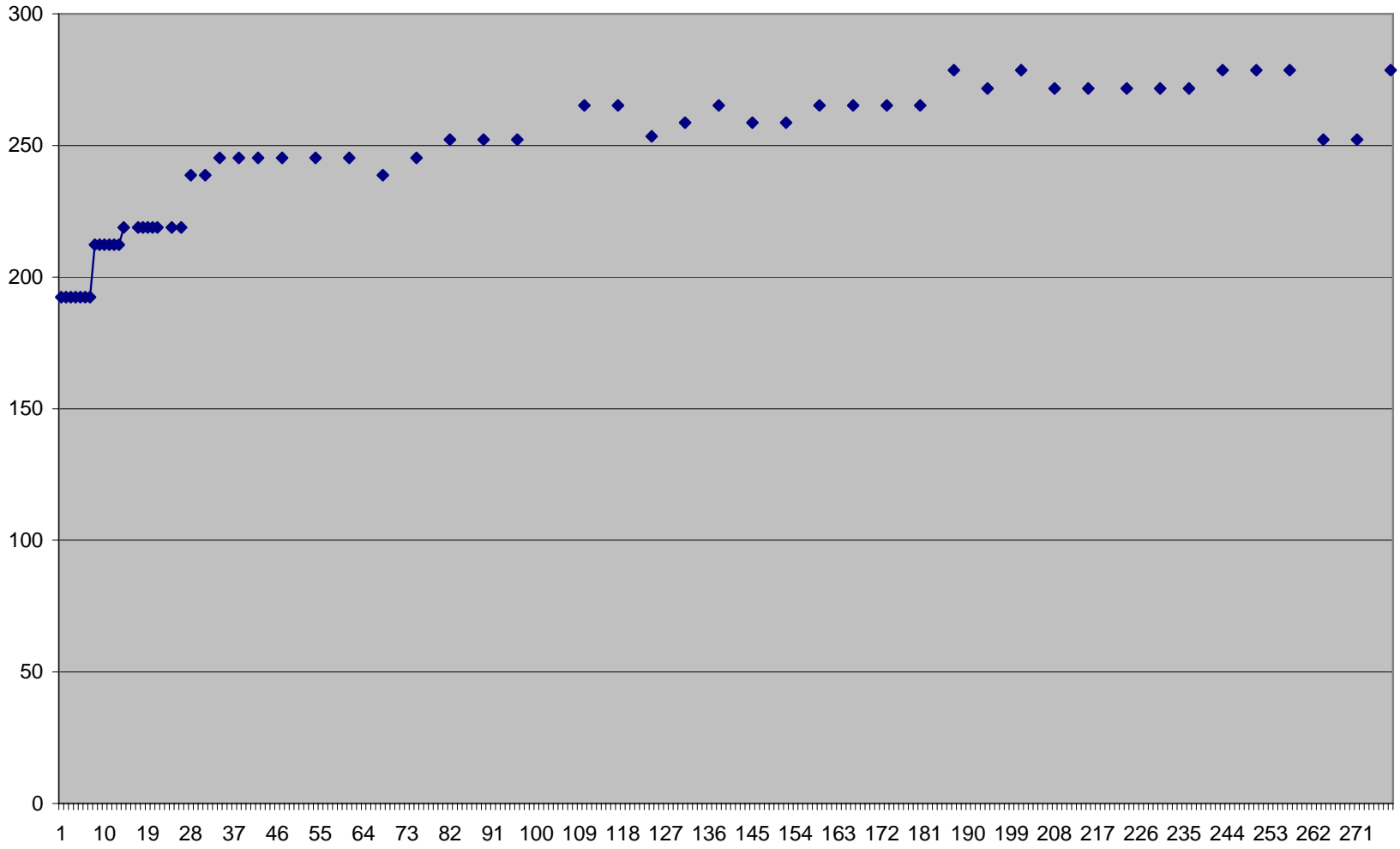
State 36-02



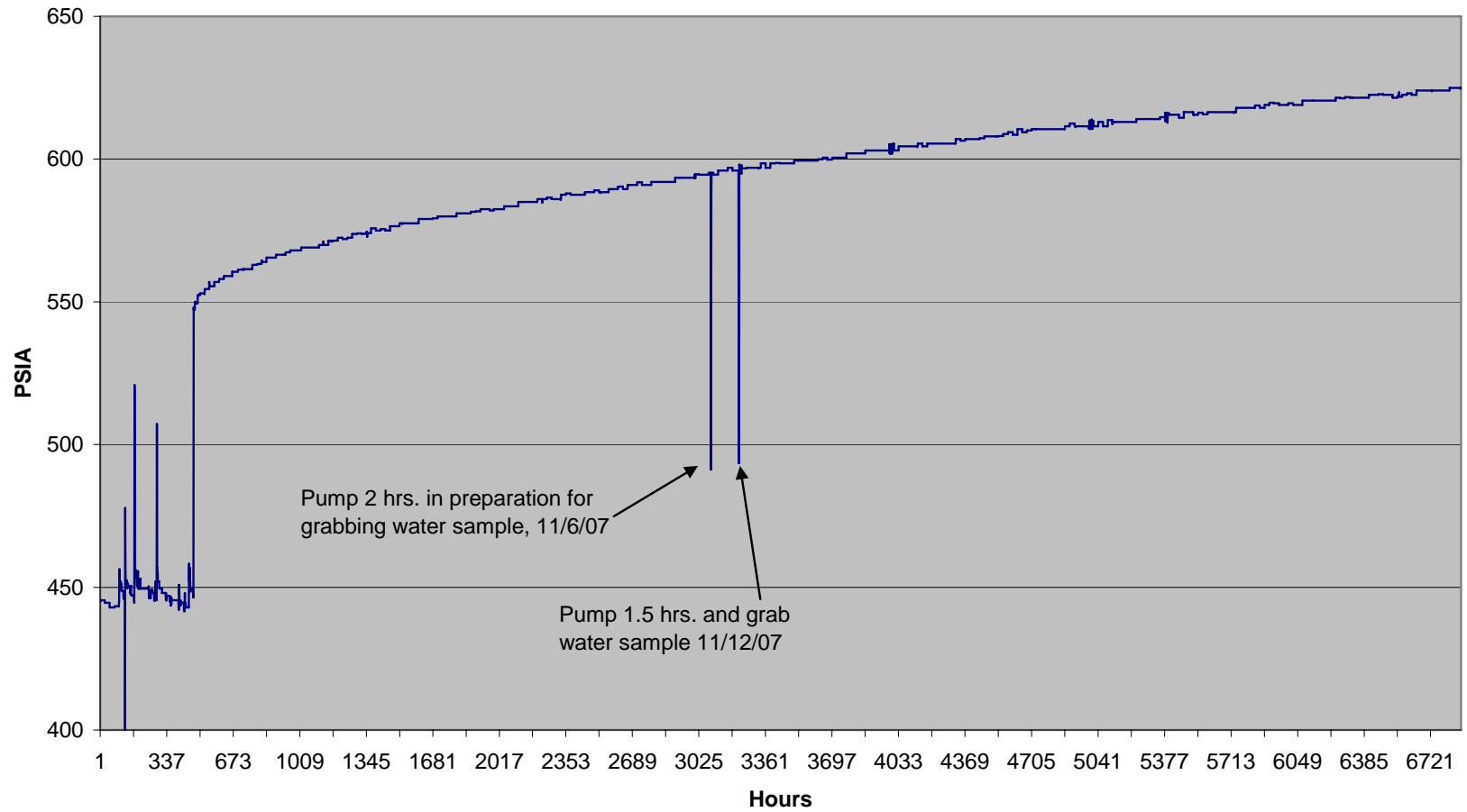
### State 36-05



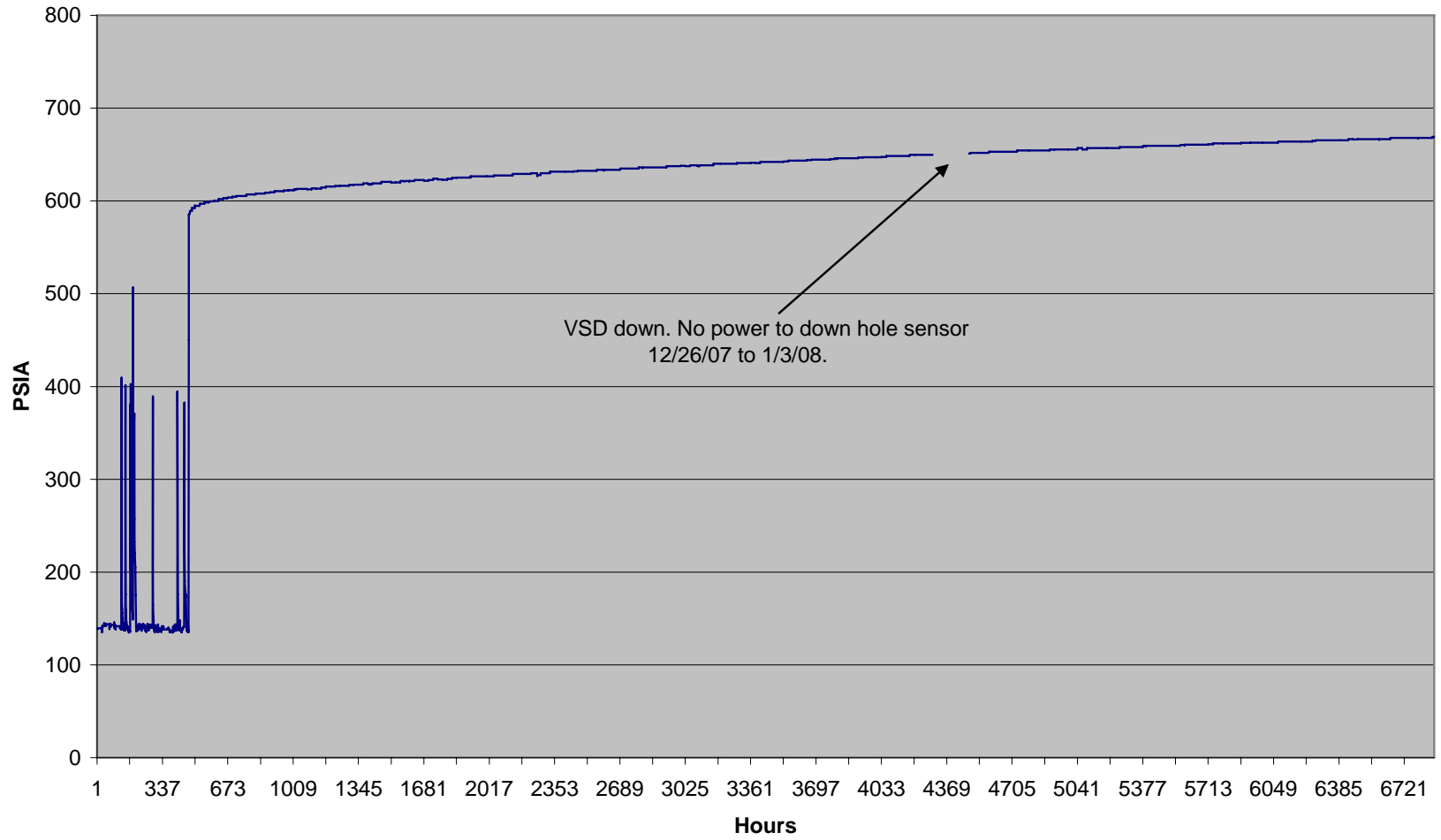
### State 36-11



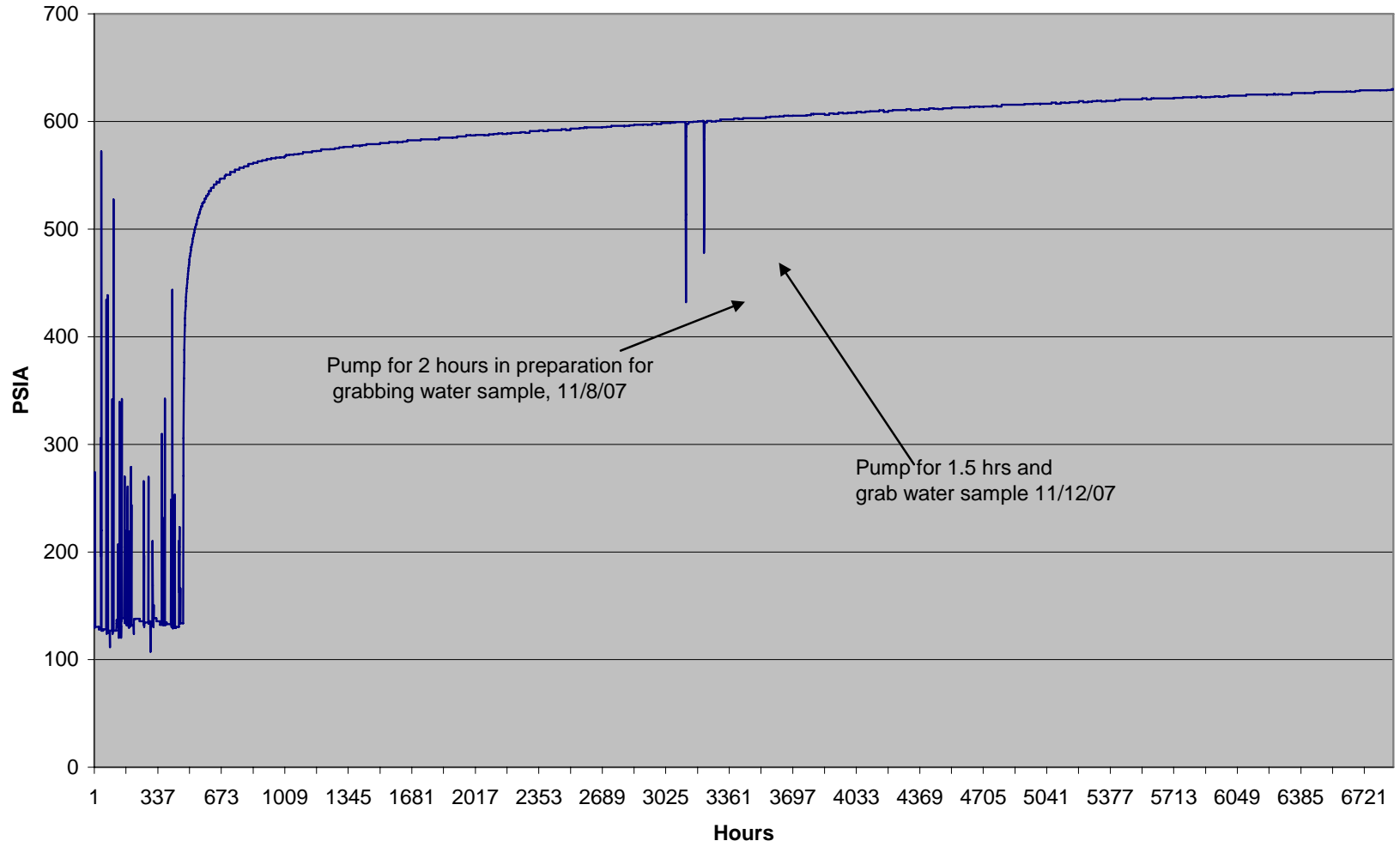
**Rohr 04-14 PBU**  
**from 7/1/07 to 4/12/08**



**Rohr 08-01 PBU**  
**from 7/1/07 to 4/12/08**



Rohr 09-04 PBU data (psia) 7/1/07 to 4/12/08



Rohr 09-05 PBU data (psia) 7/1/07 to 4/12/08

