



# **PETROGLYPH**



**Petroglyph Operating Company, Inc.**

**Order 1C-08  
Section A  
Quarterly Report**

**January 2012**

Order 1C-8 requires the reporting of data collected from specific water wells in the vicinity of the MIMMP project area. Two schedules and fourteen graphs are presented to comply with each of the reporting requirements contained in the Order.

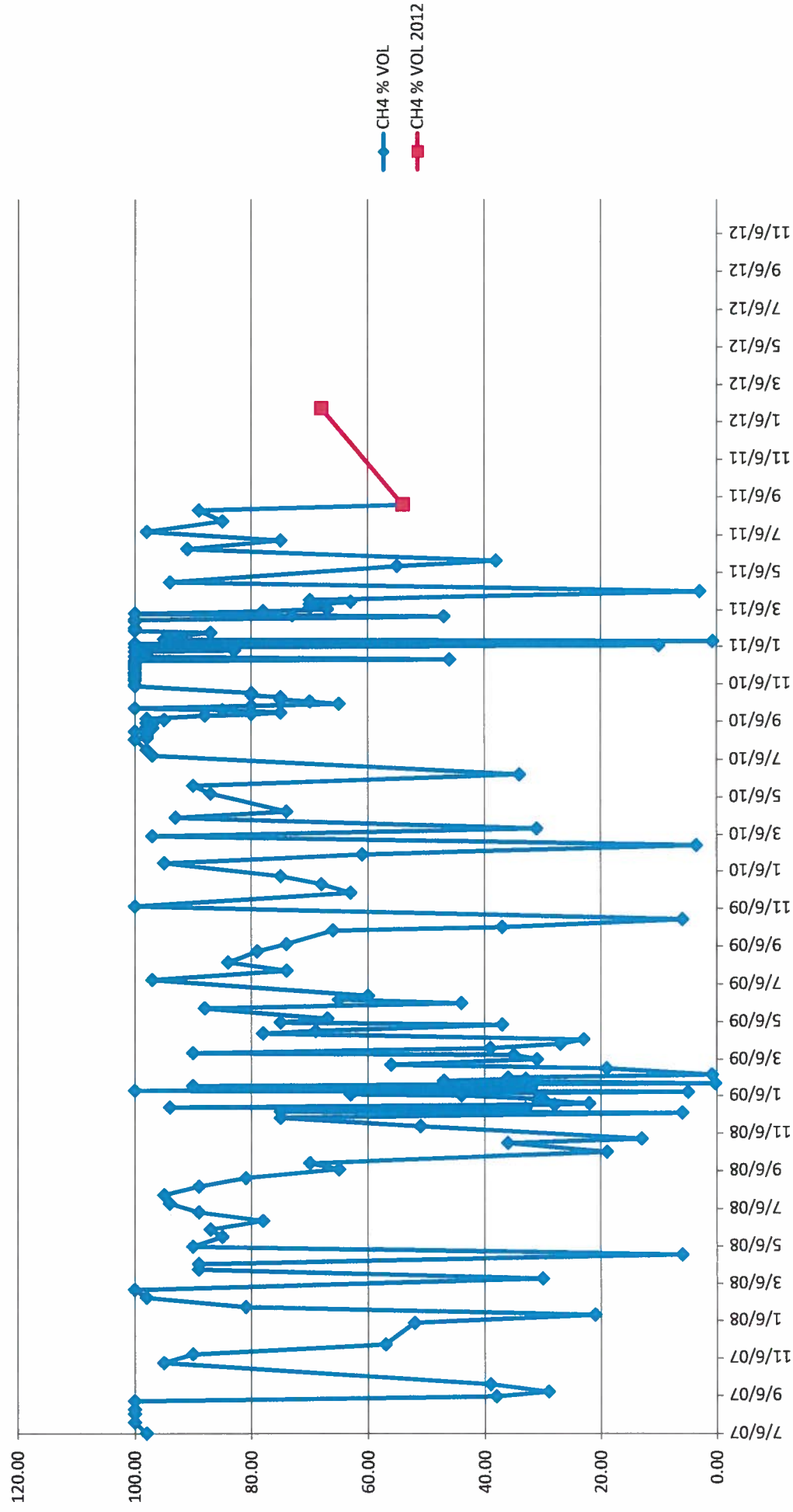
**Section a** of the Order lists nine household water wells to report wellhead or vent methane concentrations. Analysis of all nine wells was obtained either by Petroglyph or a COGCC consultant.

Additional data from prior tests is included in an attached graph which includes the current data.

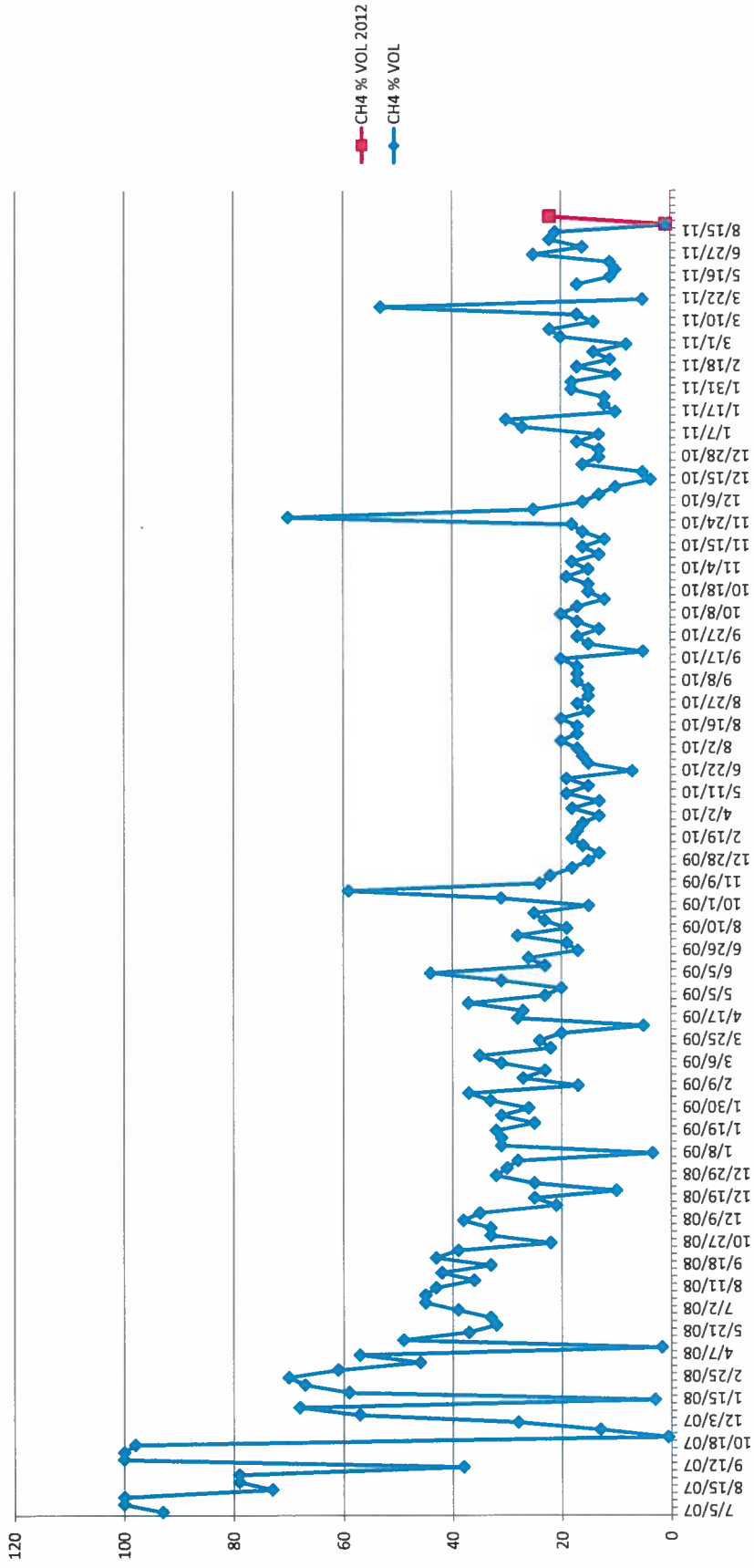
**ORDER NO. IC-08**  
**Docket No. 1106-GA-07**  
**Section a**

Gas Composition (% methane by volume)				
ORDER IC-8 QUARTERLY DATA				
	Jan-2012	Apr-2012	Jul-2012	Oct-2012
Houghtling	68.00%			
Hopke	22.00%			
Barrett	38.00%			
Smith	22.00%			
Bergman	3.90%			
Angely	0.00%			
Bounds	78.00%			
Bruington	0.00%			
Masters	0.00%			

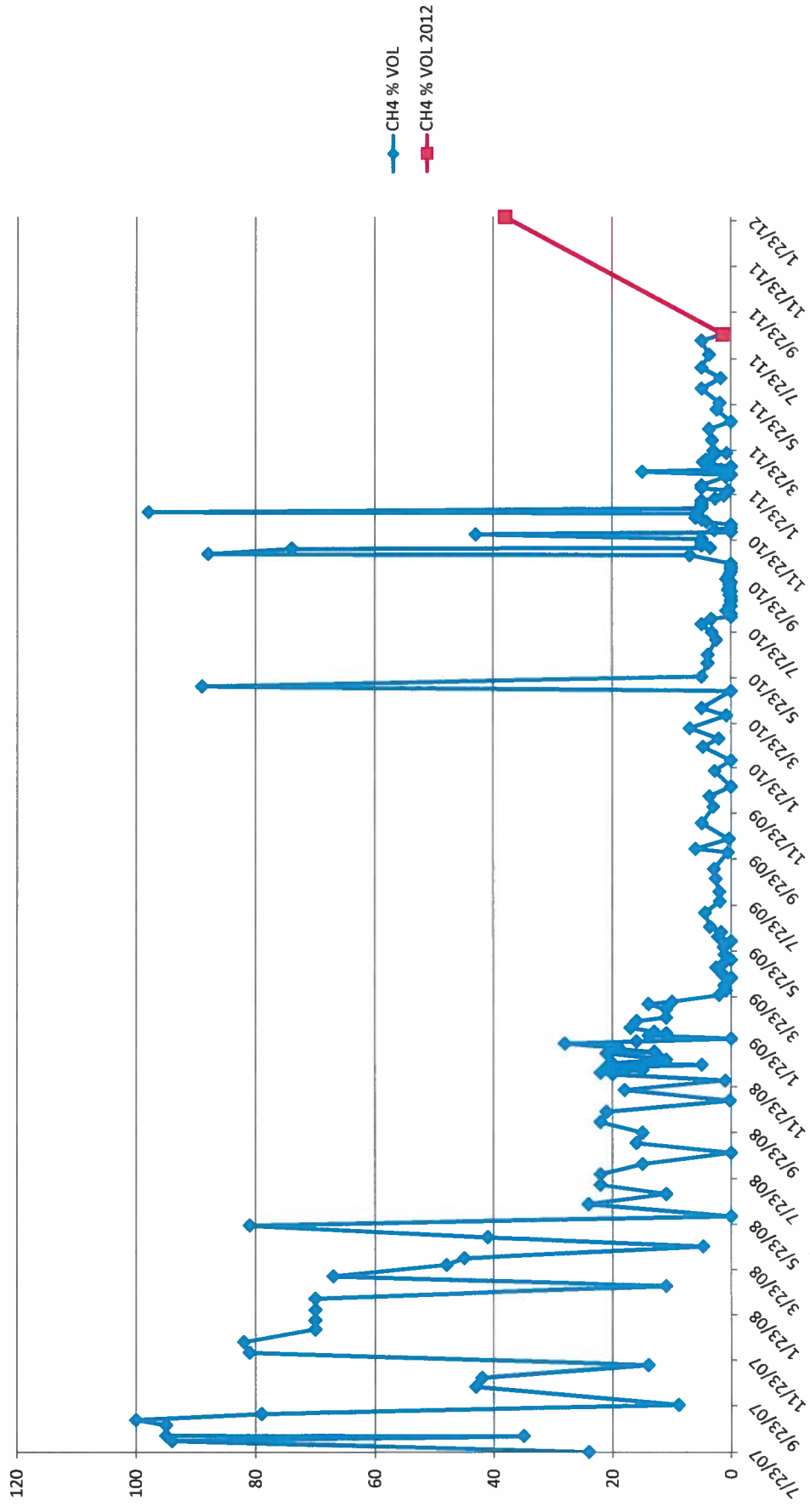
Houghtling CH4 % VOL Graph



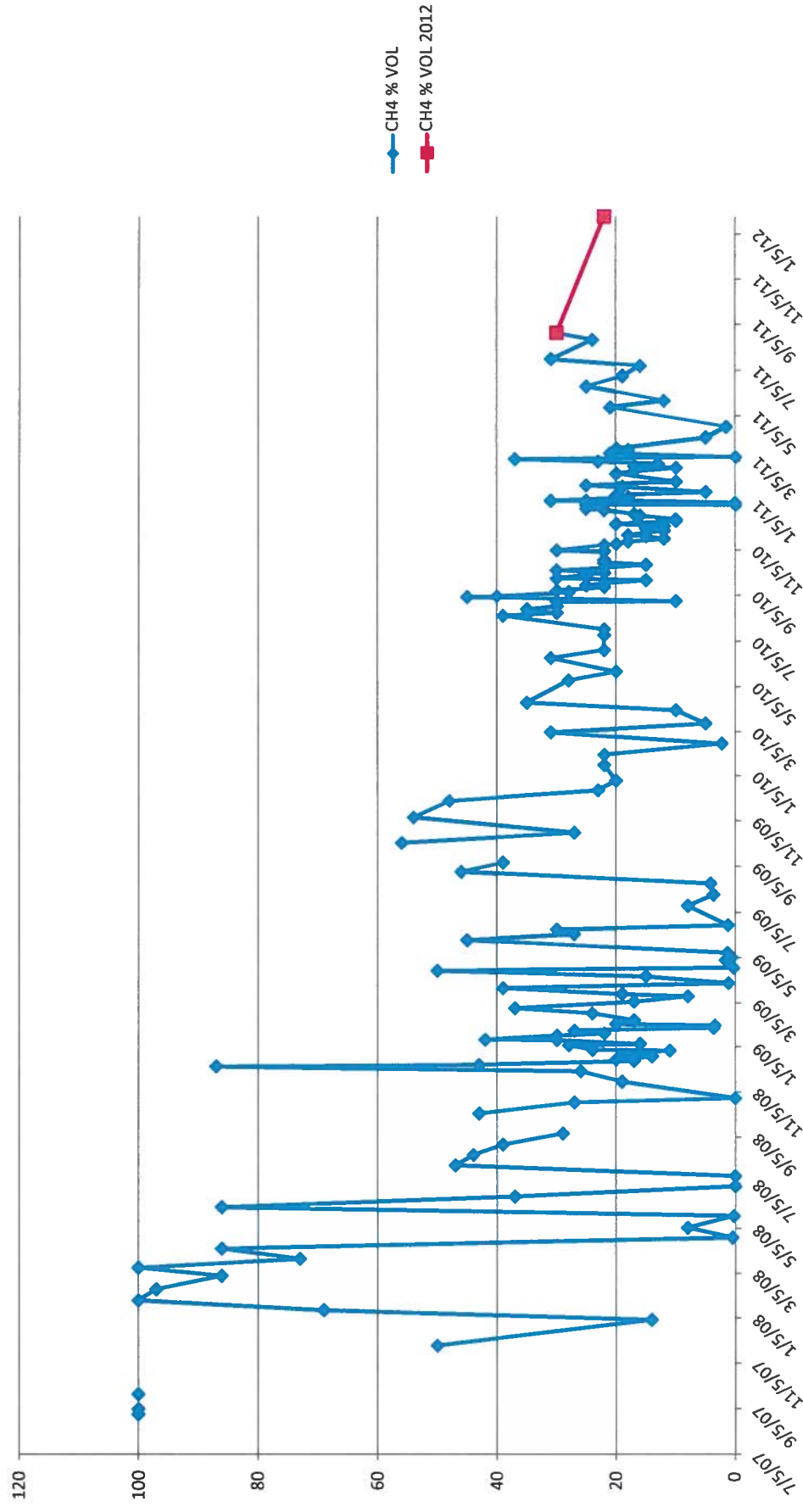
Hopke CH4 % VOL Graph



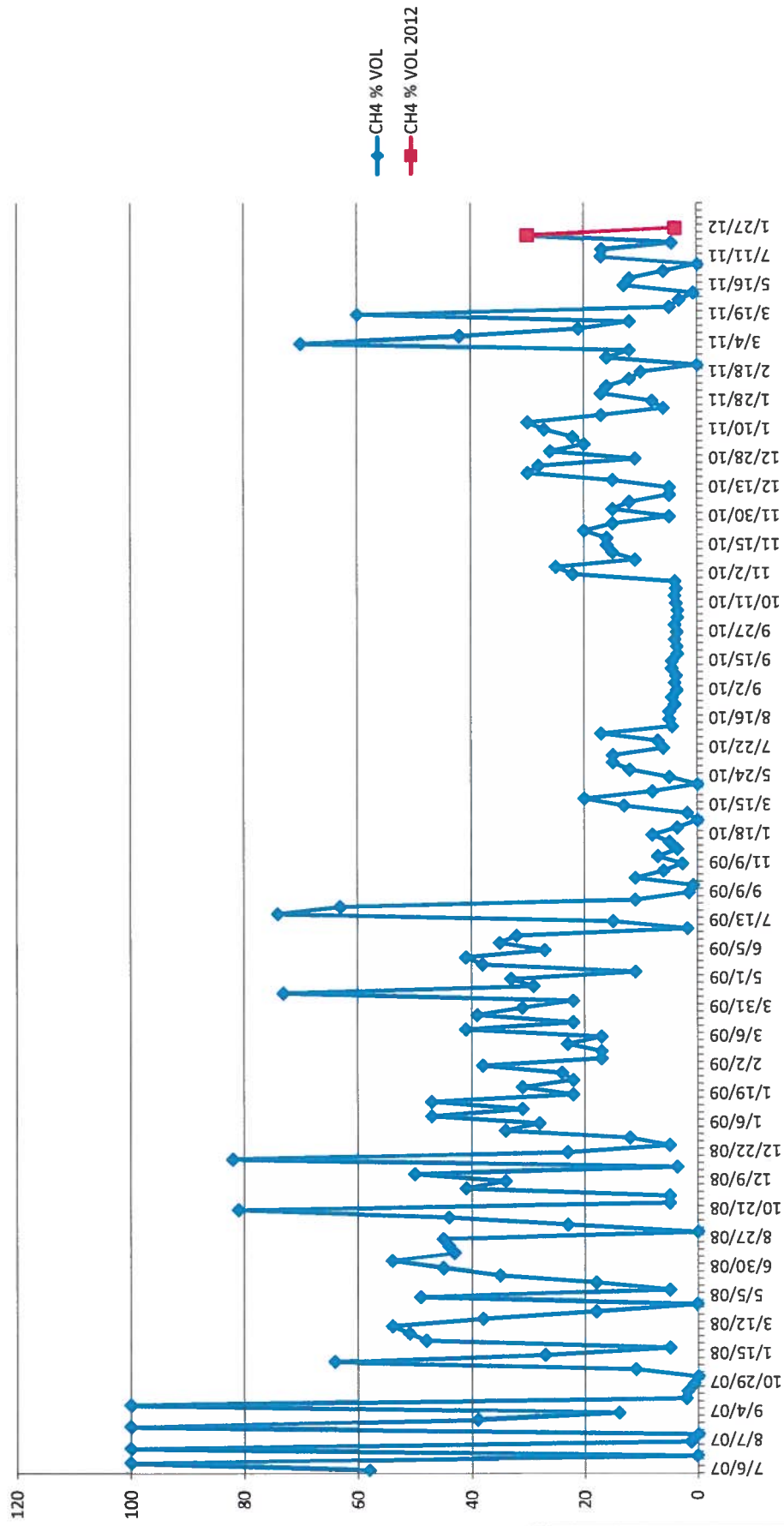
Barrett CH4 % VOL Graph



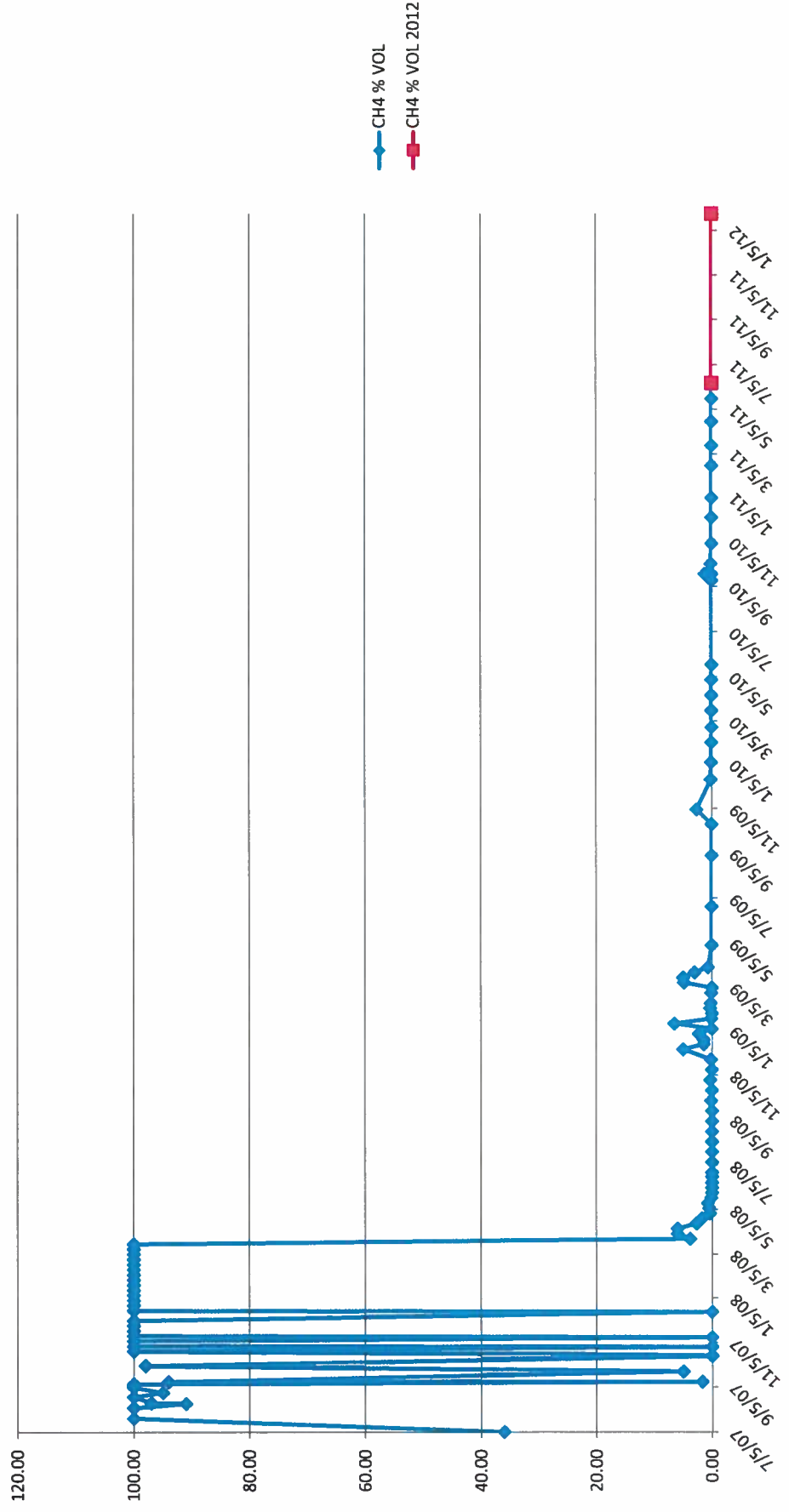
Smith CH4 % VOL Graph



Bergman CH4 % VOL Graph



Angely CH4 % VOL Graph



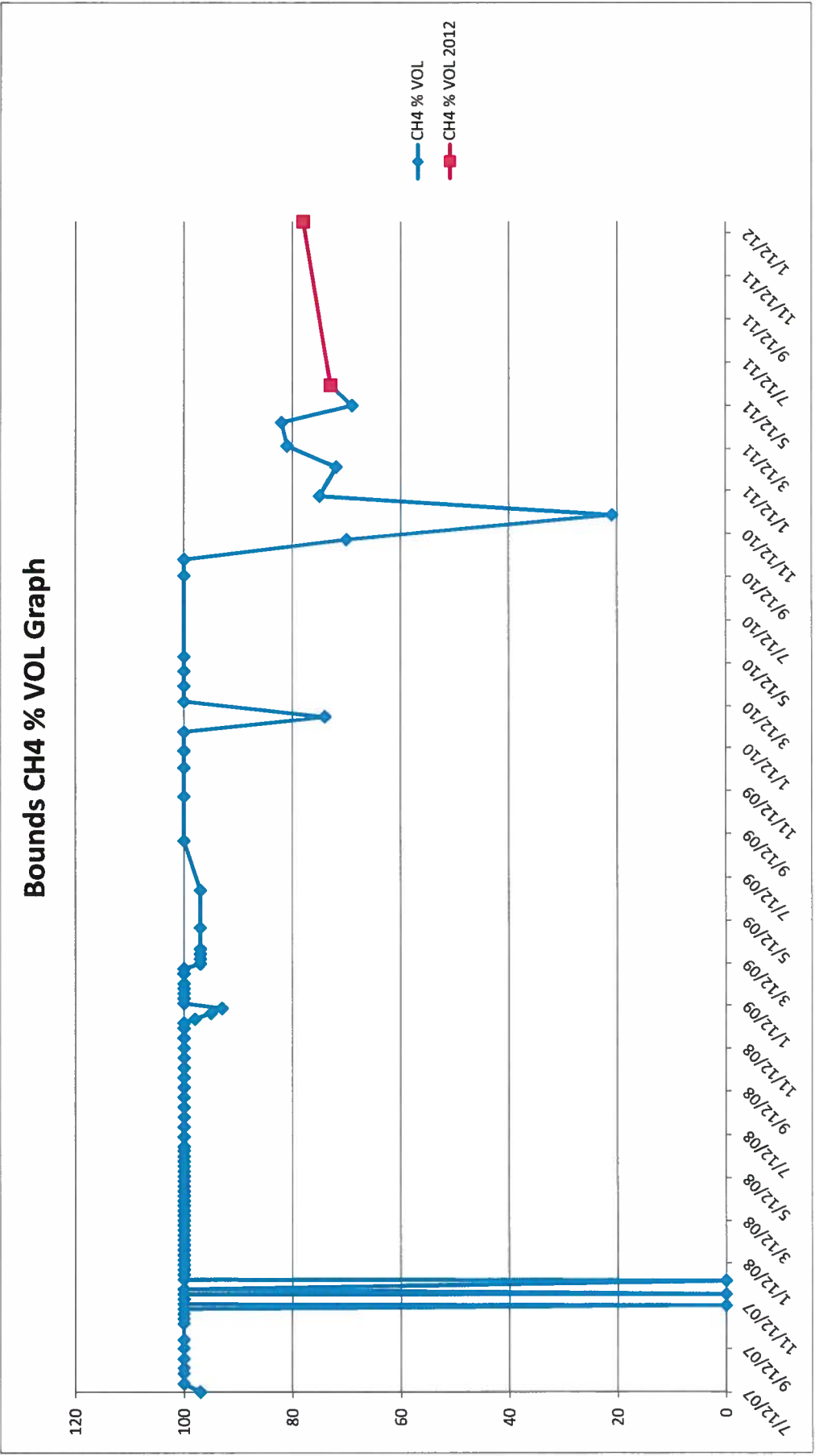


**Bounds CH4 % VOL Graph**

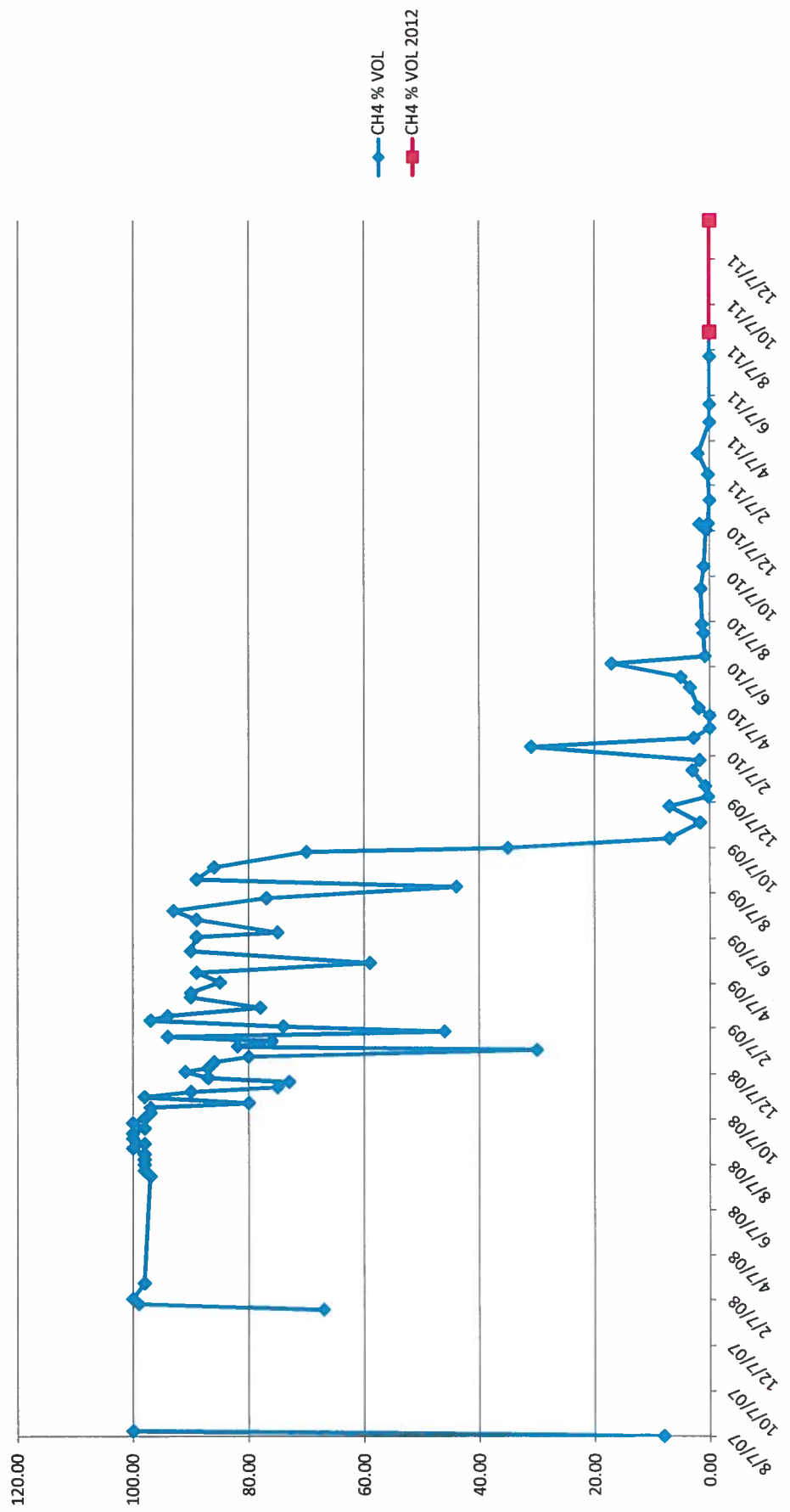
The graph displays the percentage of methane (CH4) volume over time. The x-axis represents dates from July 2007 to January 2012. The y-axis represents the percentage of CH4 volume, ranging from 0 to 120. Two data series are shown: 'CH4 % VOL' (blue line with diamond markers) and 'CH4 % VOL 2012' (red line with square markers).

The 'CH4 % VOL' series shows a relatively stable trend around 100% VOL until early 2012, where it spikes to approximately 105% VOL. The 'CH4 % VOL 2012' series shows a sharp drop to around 80% VOL in late 2012.

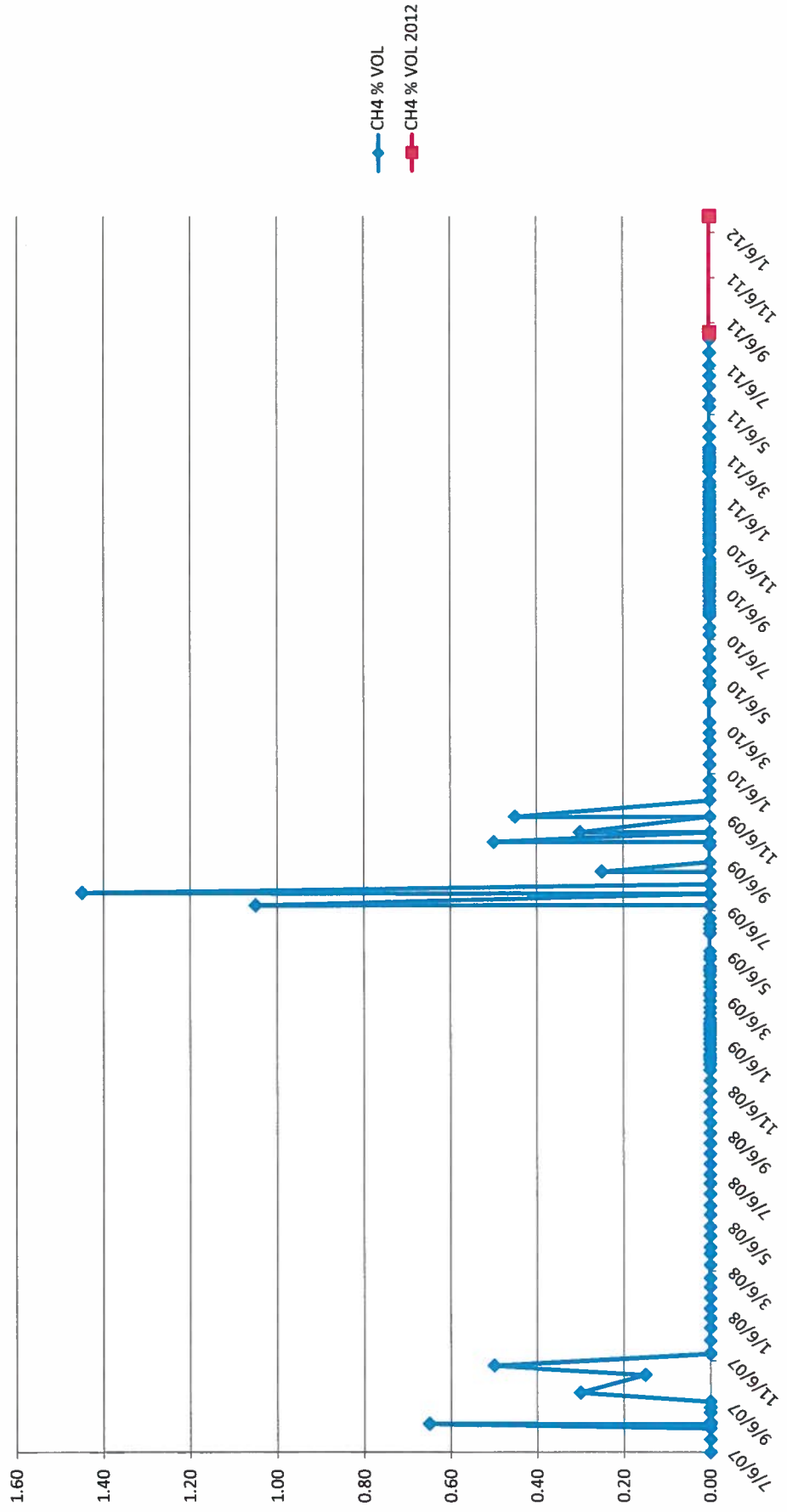
Date	CH4 % VOL	CH4 % VOL 2012
7/12/07	100	-
9/12/07	100	-
11/12/07	100	-
1/12/08	100	-
3/12/08	100	-
5/12/08	100	-
7/12/08	100	-
9/12/08	100	-
11/12/08	100	-
1/12/09	100	-
3/12/09	100	-
5/12/09	100	-
7/12/09	100	-
9/12/09	100	-
11/12/09	100	-
1/12/10	100	-
3/12/10	100	-
5/12/10	100	-
7/12/10	100	-
9/12/10	100	-
11/12/10	100	-
1/12/11	100	-
3/12/11	100	-
5/12/11	100	-
7/12/11	100	-
9/12/11	100	-
11/12/11	100	-
1/12/12	100	80



Bruington CH4 % VOL Graph



Masters CH4 % VOL Graph





# **PETROGLYPH**



**Petroglyph Operating Company, Inc.**

**Order 1C-08  
Section B  
Quarterly Report**

**January 2012**

**Section b** of the Order lists five wells to report fluid levels, four are household wells and one well that was originally drilled as an oil and gas exploration well that was converted to a water well (Goemmer#1). The Goemmer #1 well is open in the coals and the rise and water level of over 300 feet is consistent with the rise in the CBM wells. Data was obtained on all but one well, either by Petroglyph or a COGCC consultant. The current water level was not obtained on the Bruington well. Prior monitoring was done with an installed pressure transducer in the well without a pump. The well was returned to homeowner use by pulling the transducer and installing tubing and a water pump. Petroglyph was not able to get a water level gauge down the well because of the tubing and electrical wiring for the pump.

Prior water level information is included in an attached graph which includes the current data.

**ORDER NO. 1C-08**  
**Docket No. 1106-GA-07**  
**Section b**

**Water Level Monitoring**

	<b>Jan-2012</b>	<b>Apr-2012</b>	<b>Jul-2012</b>	<b>Oct-2012</b>
Bruington	Tape stopped at 146 ft note 1 & note 2			
Golden Cycle Land (Goemmer #1)	679.3			
Bergman	341.1			
Angely*	490			
Smith	423			

note 1-pump wiring and pipe is hanging up tape  
note 2-Test transducer removed, pump and tubing installed  
and well turned over to land owner

\*COGCC Data

