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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

Form ACO-1  
October 2008  
Form Must Be Typed

1/14/13

OPERATOR: License # 5278  
Name: EOG Resources, Inc.  
Address 1: 3817 NW Expressway, Suite 500  
Address 2: \_\_\_\_\_  
City: Oklahoma City State: OK Zip: 73112 + 1483  
Contact Person: Sheila Rogers  
Phone: ( 405 ) 246-3236  
CONTRACTOR: License # 34000  
Name: Kenai Mid-Continent, Inc.  
Wellsite Geologist: \_\_\_\_\_  
Purchaser: N/A

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API No. 15 - 15-081-21925-00-00

Spot Description: \_\_\_\_\_

\_\_\_\_ NW \_\_\_\_ NE Sec. 18 Twp. 28 S. R. 33  East  West

\_\_\_\_ Feet from  North /  South Line of Section

2310' Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County: Haskell

Lease Name: Cox Land Well #: 18 #1

Field Name: Wildcat

Producing Formation: N/A

Elevation: Ground: 3003' Kelly Bushing: 3015'

Total Depth: 5700' Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 1728' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan** JAN 1-25-11  
(Data must be collected from the Reserve Pit)

Chloride content: 4,000 ppm Fluid volume: 1,000 bbls

Dewatering method used: Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 Dry  Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr. \_\_\_\_\_ Conv. to SWD

\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_

12/3/2010 12/09/2010 P&A 12/10/2010

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Sheila Rogers

Title: Sr. Drilling Eng. Tech Date: 1/14/2011

Subscribed and sworn to before me this 14th day of January

2011

Notary Public: \_\_\_\_\_

Date Commission Expires: 8/5/13



**KCC Office Use ONLY**  
 Letter of Confidentiality Received 1/14/11 - 1/14/13  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
\_\_\_\_\_ Geologist Report Received  
\_\_\_\_\_ UIC Distribution

12

Operator Name: EOG Resources, Inc. Lease Name: Cox Land Well #: 18 #1  
 Sec. 18 Twp. 28 S. R. 33  East  West County: Haskell

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: <b>Array Compensated Resistivity Log, Borehole Sonic Array Tool Log, Microlog, Spectral Density Dual Spaced Neutron Log, Spectral Density Dual Spaced Neutron Microlog</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum  See Attached
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
<b>Surface</b>	12-1/4"	8-5/8"	24#	1728'	Midcon-2 PP	300	See Attached
					Prem Plus	200	See Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	N/A			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	N/A		
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TUBING RECORD: Size: <u>N/A</u> Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <b>Dry, plugged and abandoned 12/10/2010</b>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input checked="" type="checkbox"/> Other (Specify) <u>Dry, P&amp;A 12/10/2010</u>	PRODUCTION INTERVAL: _____ _____
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<b>ACO-1 Completion Report</b>		
<b>Well Name : COXLAND 18 #1</b>		
<b>FORMATION</b>	<b>TOP</b>	<b>DATUM</b>
BASE OF HEEBNER	4076	-1061
LANSING	4152	-1137
KANSAS CITY	4413	-1398
MARMATON	4741	-1726
CHEROKEE	4983	-1968
ATOKA	5130	-2115
MORROW	5260	-2245
CHESTER	5344	-2329
ST GENEVIEVE	5519	-2504

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# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2823267	Quote #:	Sales Order #: 7816520
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Knox, Mike	
Well Name: Cox Land	Well #: 18#1	API/UWI #:	
Field:	City (SAP): SUBLETTE	County/Parish: Haskell	State: Kansas
Legal Description: Section 18 Township 28S Range 33W			
Contractor: Kenai		Rig/Platform Name/Num: 55	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DRAKE, BRANDON		Srvc Supervisor: WILTSHIRE, MERSHEK	MBU ID Emp #: 195811

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	7	267804	RODRIGUEZ, EDGAR A	7	442125	TORRES, CLEMENTE	7	344233
WILTSHIRE, MERSHEK Tonje	7	195811						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

### Job

### Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
			On Location	04 - Dec - 2010	03:00	CST
Form Type		BHST	95 degF	04 - Dec - 2010	07:45	CST
Job depth MD	1728. ft	Job Depth TVD	1728. ft	04 - Dec - 2010	08:59	CST
Water Depth		Wk Ht Above Floor		04 - Dec - 2010	10:00	CST
Perforation Depth (MD) From		To	Departed Loc	04 - Dec - 2010		CST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Hole				12.25					1728.		
Surface Casing	Unknown		8.625	8.097	24.				1732.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER ASSY - API - 8-5/8 CSG X	12	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	EA		
PLUG, CMTG, TOP, 8 5/8, HWY, 7.20 MIN/8.09 MA	1	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	2	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Flu	Conc	Inhibitor	Conc	Spand Type	Size	Qty	

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# Cementing Job Summary

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Lead Cement	VARICEM (TM) CEMENT (452009)	300.0	sacks	11.4	2.96	18.14		18.14	
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.1 %	WG-17, 50 LB SK (100003623)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	18.138 Gal	FRESH WATER								
2	Tail Cement	SWIFCEM (TM) SYSTEM (452990)	200.0	sacks	15.6	1.2	5.22		5.22	
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	5.218 Gal	FRESH WATER								
3	Displacement		107.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe		Amount	45 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						

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**DRILL STEM TEST REPORT**

EOG Resources  
3817 NW EXPWY STE500  
Oklahoma City Ok, 73112  
ATTN: Mike Knox

Cox Land 18-#1  
28/33s/18w  
Job Ticket: 39366  
DST#: 1  
Test Start: 2010.12.08 @ 02:05:58

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**GENERAL INFORMATION:**

Formation: **Morrow, Upper Cheste**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 07:00:13  
Time Test Ended: 15:12:58

Test Type: **Conventional Bottom Hole**  
Tester: **Mike Slemp**  
Unit No: **53**

Interval: **5316.00 ft (KB) To 5353.00 ft (KB) (TVD)**  
Total Depth: **5353.00 ft (KB) (TVD)**  
Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **3015.00 ft (KB)**  
**3004.00 ft (CF)**  
KB to GR/CF: **11.00 ft**

**Serial #: 8677**

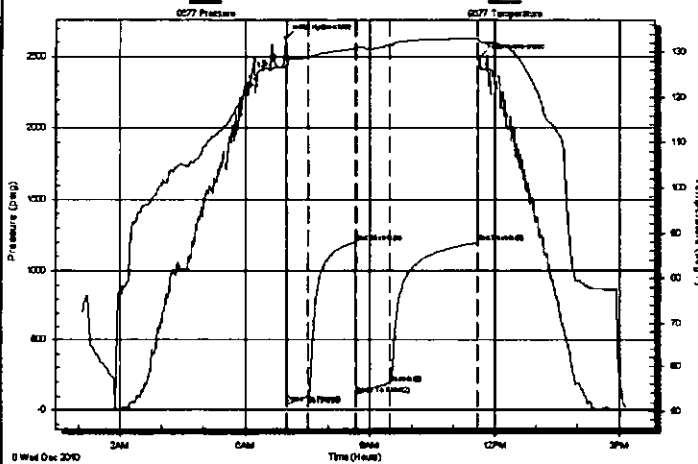
**Inside**

Press@RunDepth: **190.30 psig @ 5318.00 ft (KB)**  
Start Date: **2010.12.08** End Date: **2010.12.08**  
Start Time: **02:05:59** End Time: **15:12:58**

Capacity: **8000.00 psig**  
Last Calib.: **2010.12.08**  
Time On Btrn: **2010.12.08 @ 06:58:28**  
Time Off Btrn: **2010.12.08 @ 11:38:28**

**TEST COMMENT:** IF-BOB in 22 min  
IS- No blow back  
FF-Weak blow , 4 inches in 60 min  
FSI-No blow back

Pressure vs. Time



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2631.34	126.90	Initial Hydro-static
2	49.11	126.14	Open To Flow (1)
32	97.77	128.79	Shut-In(1)
100	1197.73	130.75	End Shut-In(1)
102	115.69	131.01	Open To Flow (2)
151	190.30	131.68	Shut-In(2)
277	1194.60	133.13	End Shut-In(2)
280	2495.64	132.40	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	OCM 20%oil80%mud	0.02
370.00	WCM 20%water80%mud Skim of oil	1.87

**Gas Rates**

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





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**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

EOG Resources  
3817 NW EXPWY STE500  
Oklahoma City Ok, 73112  
ATTN: Mke Knox

**Cox Land 18-#1**  
**28/33s/18w**  
Job Ticket: 39366      **DST#: 1**  
Test Start: 2010.12.08 @ 02:05:58

**Tool Information**

Drill Pipe:	Length: 4927.00 ft	Diameter: 3.80 inches	Volume: 69.11 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 70.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 94000.00 lb
Depth to Top Packer:	5316.00 ft			Final 94000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5292.00	
Sampler	3.00			5295.00	
Hydraulic tool	5.00			5300.00	
Jars	5.00			5305.00	
Safety Joint	2.00			5307.00	
Packer	5.00			5312.00	29.00      Bottom Of Top Packer
Packer	4.00			5316.00	
Stubb	1.00			5317.00	
Perforations	1.00			5318.00	
Recorder	0.00	8678	Inside	5318.00	
Recorder	0.00	8677	Inside	5318.00	
Perforations	32.00			5350.00	
Bullnose	3.00			5353.00	37.00      Bottom Packers & Anchor

**Total Tool Length: 66.00**





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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

EOG Resources

**Cox Land 18-#1**

3817 NW EXPWY STE500  
 Oklahoma City Ok, 73112

**28/33s/18w**

Job Ticket: 39366

**DST#: 1**

ATTN: Mike Knox

Test Start: 2010.12.08 @ 02:05:58

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.60 cm <sup>2</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: inches			

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
5.00	OCM 20%oil80%mud	0.025
370.00	WCM 20%water80%mud Skim of oil	1.865

Total Length: 375.00 ft      Total Volume: 1.890 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Sampler-800psi,4000ML mud

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# DRILL STEM TEST REPORT

**GAS RATES**

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EOG Resources  
3817 NW EXPWY STE500  
Oklahoma City Ok, 73112

ATTN: Mike Knox

**Cox Land 18-#1**

**28/33s/18w**

Job Ticket: 39366

**DST#: 1**

Test Start: 2010.12.08 @ 02:05:58

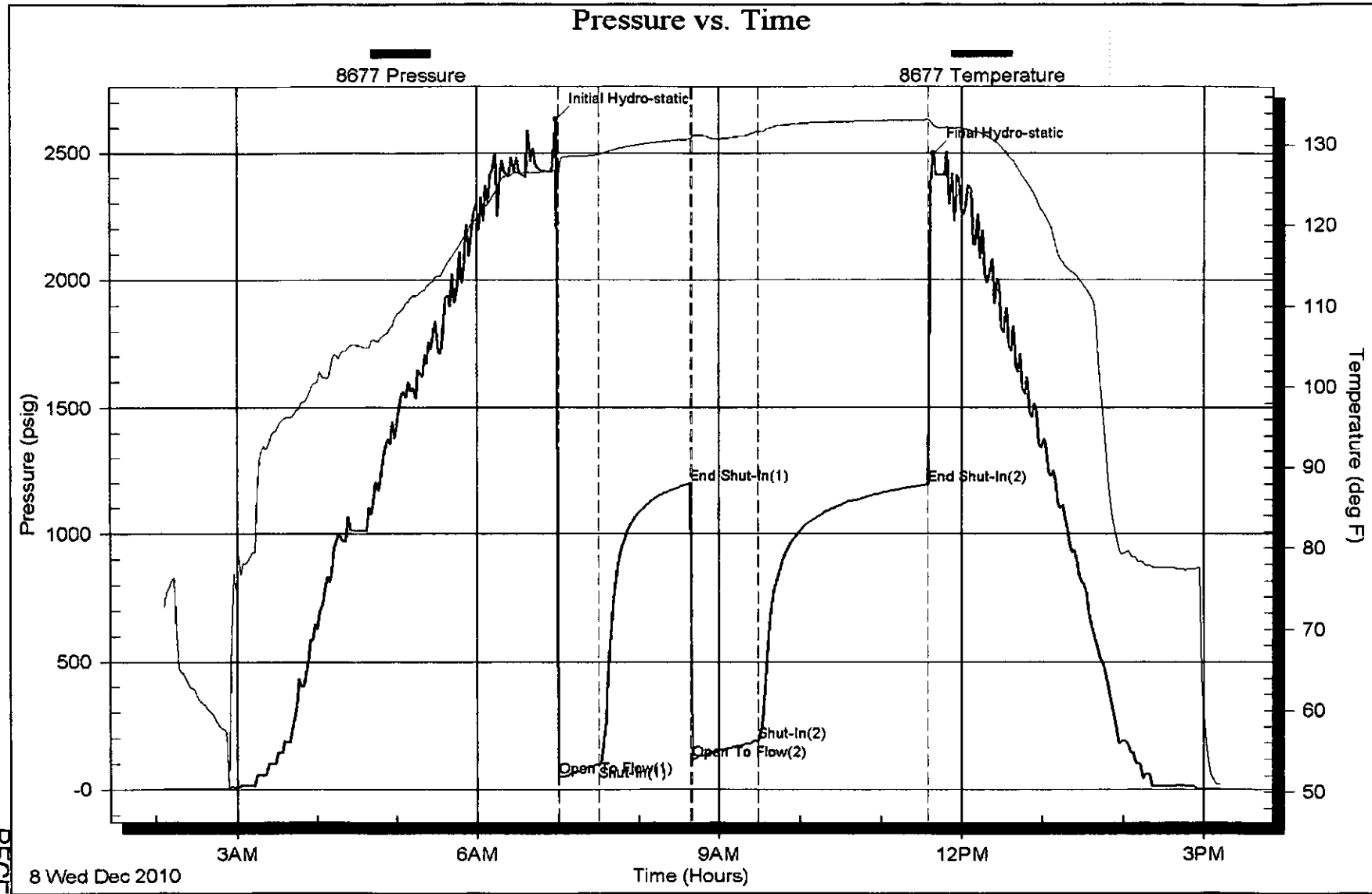
## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

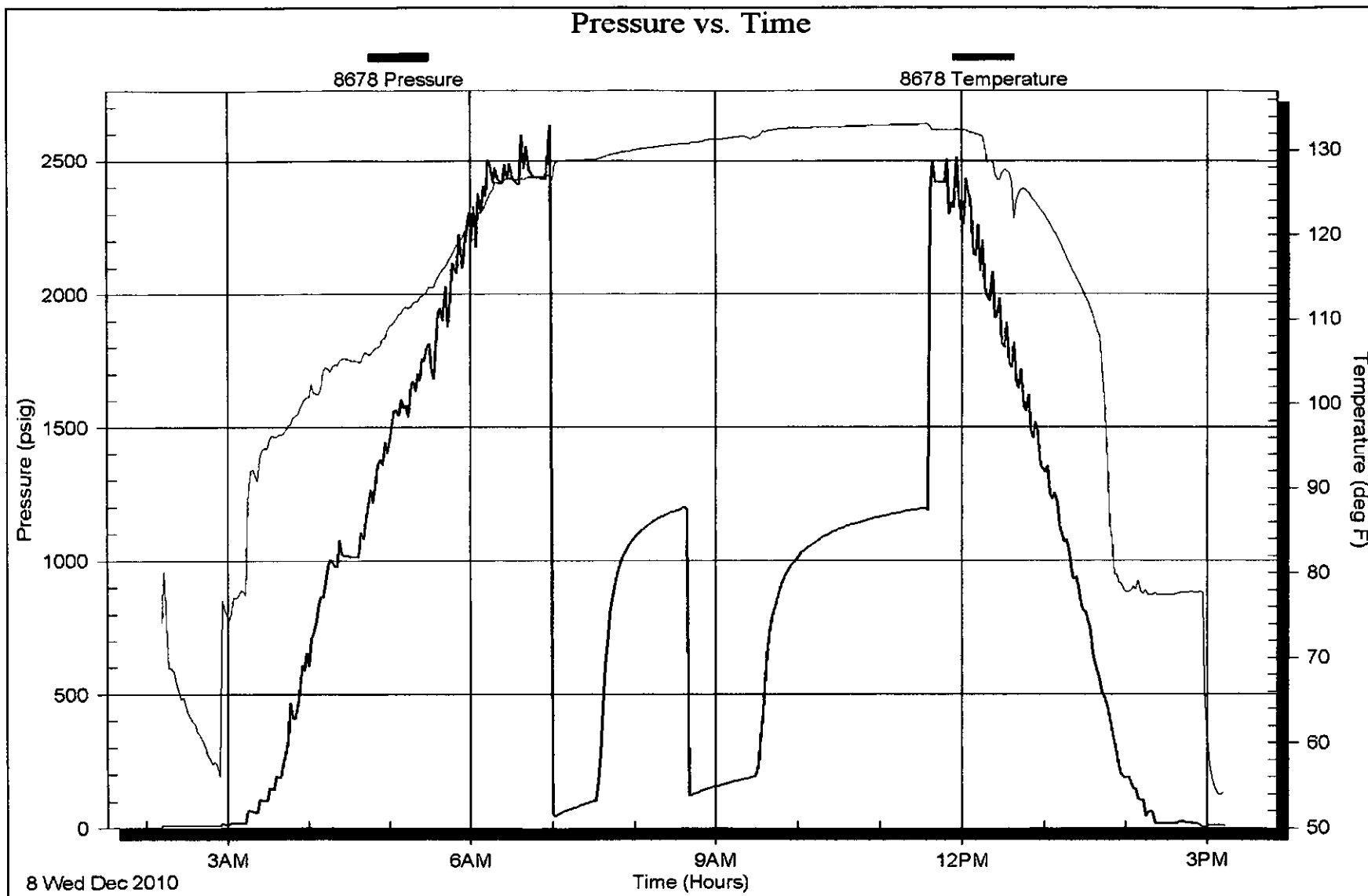
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
		0.00	0.00	0.00

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