KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1059773

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5278
Name: EOG Resources, Inc.
Address 1: 3817 NW EXPRESSWAY STE 500
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73112 + 1483
Contact Person: DAWN ROCKEL
Phone: (405) 246-3226
CONTRACTOR: License # 34000
Name: Kenai Mid-Continent, Inc.
Wellsite Geologist: TOM HEFLIN
Purchaser: N/A

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [ ] ENHR
- [ ] SIGW
- [ ] OG
- [ ] GSW
- [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] Other *(Core, Expl., 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

03/22/2011	04/02/2011	04/12/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-189-22764-00-00
Spot Description:
_ - NW - NE - SE Sec. 16 Twp. 33 S. R. 38 [ ] East [x] West
2310 Feet from [ ] North / [x] South Line of Section
990 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Stevens
Lease Name: High Plains Trust Well #: 16 #1
Field Name: WILDCAT
Producing Formation: MISSISSIPPIAN
Elevation: Ground: 3170 Kelly Bushing: 3180
Total Depth: 6550 Plug Back Total Depth: 0
Amount of Surface Pipe Set and Cemented at: 1738 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 4235 Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: ppm Fluid volume: bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Hayden, Shawn or Blanche dba Hayden Operating
Lease Name: LIZ SMITH License #: 33562
Quarter SE Sec. 26 Twp. 30 S. R. 34 [ ] East [x] West
County: Haskell Permit #: D26802

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- [x] **Letter of Confidentiality Received**
  Date: 07/20/2011
- [x] **Confidential Release Date:** 07/19/2013
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 07/21/2011

Side Two

1059773

Operator Name: EOG Resources, Inc. Lease Name: High Plains Trust Well #: 16 #1

Sec. 16 Twp. 33 S. R. 38 ☐ East ☑ West County: Stevens

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
SURFACE	12.25	8.625	24	1738	VARICEM	300	SEE CMT TIX
SURFACE	12.25	8.625	24	1738	SWIFTCEM	200	
PRODUCTION	7.875	5.5	15.5	6550	ECONOCEM	285	SEE CMT TIX

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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
4	6373-6390	2500 GALS HCL.	6373-6390

TUBING RECORD: Size: 2.875 Set At: 6434 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 04/12/2011

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	33	0	110	0	41

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
6373-6390

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	EOG Resources, Inc.
Well Name	High Plains Trust 16 #1
Doc ID	1059773

All Electric Logs Run

SD/DS NEUTRON
SD/DS NEUTRON MICRO
RESISTIVITY
SONIC ARRAY
MICRO

Form	ACO1 - Well Completion
Operator	EOG Resources, Inc.
Well Name	High Plains Trust 16 #1
Doc ID	1059773

Tops

Name	Top	Datum
CHASE	2496	685
COUNCIL GROVE	2807	374
BASE OF HEEBNER	4064	-883
LANSING	4177	-996
MARMATON	4897	-1716
CHEROKEE	5140	-1959
ATOKA	5525	-2344
MORROW	5645	-2464
CHESTER	6140	-2959
ST. GENEVIEVE	6225	-3044
ST. LOUIS	6255	-3074

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

July 18, 2011

DAWN ROCKEL
EOG Resources, Inc.
3817 NW EXPRESSWAY STE 500
OKLAHOMA CITY, OK 73112-1483

Re: ACO1
API 15-189-22764-00-00
High Plains Trust 16 #1
SE/4 Sec.16-33S-38W
Stevens County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
DAWN ROCKEL

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	**Ship To #:** 2844368	**Quote #:**	**Sales Order #:** 8050998
Customer: EOG RESOURCES INC EBUSINESS		**Customer Rep:** KNOX, MIKE	
Well Name: High Plains Trust 16	**Well #:** #1		**API/UWI #:**
Field:	**City (SAP):** HUGOTON	**County/Parish:** Stevens	**State:** Kansas
Legal Description: Section 16 Township 33S Range 38W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		**Long:** E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: KENAI	**Rig/Platform Name/Num:** 58		
Job Purpose: Cement Surface Casing			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: DRAKE, BRANDON	**Srvc Supervisor:** CARRILLO, EDUARDO		**MBU ID Emp #:** 371263

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/23/2011 23:00							Dispach Called Out Cement Crew For Job On The E.O.G. High Plains Trust 16 # 1 8 5/8 Surface Job
Pre-Convoy Safety Meeting	03/24/2011 00:00							Discuss Route to take and Hazards on the road
Arrive At Loc	03/24/2011 01:00							
Assessment Of Location Safety Meeting	03/24/2011 01:05							Casing Crew Rigging Up To Start Running Casing In Hole.
Pre-Rig Up Safety Meeting	03/24/2011 01:15							Discussed All Red Zones Proper Lifting Were To Spot Inn Equipment And Run Water And Iron Lines Went Over JSA
Other	03/24/2011 01:45							Casing Going Down Hole
Rig-Up Completed	03/24/2011 02:15							
Other	03/24/2011 02:20							Got Number From Customer Rep Mike Knox. TD=1738 TP=1743 SJ=45.00. Displacment = 108 Have customer sighn Work Order Contract. 1743-45=1698x.0636=108bbls disp // 45x.0636 = 2.86 bbls in SJ./ CAP OF PIPE = .0636 V&H = 13.6037
Other	03/24/2011 06:30							Casing On Bottom

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	03/24/2011 07:10							Rig Was Trying To Circulate Could Not Get Pumps To Work .
Other	03/24/2011 07:15							Waiting On Customer To Get There Equipment Working
Other	03/24/2011 07:35							Rig Circulating Casing Crew Rigging Down.
Pre-Job Safety Meeting	03/24/2011 07:40							Went Over Numbers With Company Rep and All Involved On The Job Location Went Over Volumes Pressers and How Fast To Pump Job Per Customer. All Job Steps Have Rig Crew Sing Saftey Sheet.
Start Job	03/24/2011 08:00							Ready for Halliburton
Test Lines	03/24/2011 08:04						2500.0	Test Lines @ 2500 psi Per Comp Rep
Pump Lead Cement	03/24/2011 08:10		7	158	158		400.0	Pumped 300 sks @ 11.4 ppg / = 158 bbls cmt / = 300 x 2.96 = 888 CU/FT
Pump Tail Cement	03/24/2011 08:34		6	43	201		250.0	Puped 200 sks @ 15.6 ppg / = 43 bbls cmt / = 200 x 1.2 =240 CU/FT
Drop Top Plug	03/24/2011 08:40							HWE had to move line from bottom valve to top valve on cement head.
Other	03/24/2011 08:42							shut valve on head to move lines found pressure on lines transmission didnt kick out of gear kicked it out again bleed off pressure resumed job
Pump Displacement	03/24/2011 08:47		9	108	309		450.0	Pumped 108 bbls Fresh Water Displacment Stage In Last 20 BBLS Of Displacement @ 88 BBLS Stop For 5 Min Then Pump 5 BBLS and Stop For 5 Min Per Company Rep.
Slow Rate	03/24/2011 08:58							staged the last 20 bbl

HALLIBURTON

Cementing Job Summary

Miscellaneous Materials													
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/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	SWIFTCEM (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		108.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	108	Shut In: Instant		Lost Returns	0	Cement Slurry	200	Pad	
Top Of Cement	surface	5 Min		Cement Returns	40	Actual Displacement	108	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	308

Rates

Circulating	7	Mixing	7	Displacement	9	Avg. Job	7

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

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	03/24/2011 09:24							Went 500 Over
Check Floats	03/24/2011 09:26							Floats held 2 bbl Back
End Job	03/24/2011 09:27							
Pre-Rig Down Safety Meeting	03/24/2011 09:30							Discuss Pinchpoint and Triping Hazards
Rig-Down Completed	03/24/2011 10:30							
Crew Leave Location	03/24/2011 11:00							
Other	03/24/2011 11:15							THANK YOU FOR CHOOSING HALLIBURTON

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	**Ship To #:** 2844368	**Quote #:**	**Sales Order #:** 8076973
Customer: EOG RESOURCES INC EBUSINESS		**Customer Rep:** Rogers, Sheila	
Well Name: High Plains Trust 16	**Well #:** #1		**API/UWI #:**
Field:	**City (SAP):** HUGOTON	**County/Parish:** Stevens	**State:** Kansas
Legal Description: Section 16 Township 33S Range 38W			
Contractor: KENAI	**Rig/Platform Name/Num:** 58		
Job Purpose: Cement Multiple Stages			
Well Type: Development Well	**Job Type:** Cement Multiple Stages		
Sales Person: DRAKE, BRANDON	**Srvc Supervisor:** CARRILLO, EDUARDO	**MBU ID Emp #:** 371263	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARRILLO, EDUARDO Carrillo	18.5	371263	DEETZ, DONALD E	19.5	389855	LOPEZ, JUAN R	17	198514
PORTILLO, CESAR	17	457847	RODRIGUEZ, EDGAR Alejandro	17	442125			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10244148	25 mile	10286731	25 mile	10714253C	25 mile	10744298C	25 mile
10988832	25 mile	10994449	25 mile	11133699	25 mile	11256863	25 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/1/11	16.5	3	4/2/11	4	1.5			
TOTAL					*Total is the sum of each column separately*			

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**		139 degF	
Job depth MD	6556. ft	**Job Depth TVD**		6556. ft	
Water Depth		**Wk Ht Above Floor**		6. ft	
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	18 - May - 9201	07:00	CST
On Location	01 - Apr - 2011	11:00	CST
Job Started	01 - Apr - 2011	18:59	CST
Job Completed	01 - Apr - 2011	02:16	CST
Departed Loc	02 - Apr - 2011	04:00	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
Multiple Stage Cementer								3000.	4200.		
Production Hole				7.875				1700.	6550.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5			.	6550.		
Surface Casing	Unknown		8.625	8.097	24.			.	1700.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,FLOAT,5 1/2 8RD,2 3/4 SUPER SEAL	1	EA		
CLR,FLT,5-1/2 8RD,14-23PPF,2-3/4	1	EA		
CENTRALIZER ASSY - TURBO - API -	58	EA		
KIT,HALL WELD-A	2	EA		
CMTR,TY P ES-II,5-1/2 LG 8RD 14-17 LBS/F	1	EA		
PLUG SET - FREE FALL - 5-1/2 8RD &	1	EA		
CLAMP - LIMIT - 5-1/2 - HINGED -	14	EA		

HALLIBURTON

Cementing Job Summary

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe	5 1/2	1	h	6556	Bridge Plug					Bottom Plug			
Float Collar	5 1/2	1	h	6510	Retainer					SSR plug set	5 1/2	1	H
Insert Float										Plug Container	5 ½	1	h
Stage Tool	5 1/2	1	h	4241						Centralizers	5 1/2	58	h

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	MUD FLUSH III	MUD FLUSH III - SBM (528788)		bbl	8.4	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	125.0	sacks	13.5	1.76	8.52		8.52
6 %		CAL-SEAL 60, 50 LB BAG (101217146)							
10 %		SALT, BULK (100003695)							
2 lbm		PRESSUR-SEAL LCM, 40 LB (101204356)							
0.6 %		HALAD(R)-344, 50 LB (100003670)							
0.5 %		D-AIR 3000 (101007446)							
0.1 %		WG-17, 50 LB SK (100003623)							
8.516 Gal		FRESH WATER							
3	Fresh Water Displacement		155.00	bbl	8.33	.0	.0	.0	
4	Rat Hole Plug Cement	PLUGCEM (TM) SYSTEM (452969)	50.0	sacks	13.5	1.76	8.52		8.52
6 %		CAL-SEAL 60, 50 LB BAG (101217146)							
10 %		SALT, BULK (100003695)							
2 lbm		PRESSUR-SEAL LCM, 40 LB (101204356)							
0.6 %		HALAD(R)-344, 50 LB (100003670)							
0.5 %		D-AIR 3000 (101007446)							
0.1 %		WG-17, 50 LB SK (100003623)							
8.516 Gal		FRESH WATER							

Stage/Plug #: 2

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	MUD FLUSH III	MUD FLUSH III - SBM (528788)		bbl	8.4	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	160.0	sacks	13.5	1.76	8.52		8.52
6 %		CAL-SEAL 60, 50 LB BAG (101217146)							
10 %		SALT, BULK (100003695)							
2 lbm		PRESSUR-SEAL LCM, 40 LB (101204356)							
0.6 %		HALAD(R)-344, 50 LB (100003670)							
0.5 %		D-AIR 3000 (101007446)							
0.1 %		WG-17, 50 LB SK (100003623)							
8.516 Gal		FRESH WATER							

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 2									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
3	Fresh Water Displacement		100.00	bbl	8.33	.0	.0	.0	
7.15 lbm/bbl		POTASSIUM CHLORIDE - KCL, 50 LB BAG (100001585)							

Calculated Values		Pressures		Volumes					
Displacement	255	Shut In: Instant		Lost Returns	0	Cement Slurry	104	Pad	
Top Of Cement	2621	5 Min		Cement Returns	0	Actual Displacement	255	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	359

Rates							
Circulating	10	Mixing	5	Displacement	10	Avg. Job	7.5

Cement Left In Pipe	Amount	47 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 RJ, SGSstons 2 April

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	**Ship To #:** 2844368	**Quote #:**	**Sales Order #:** 8076973
Customer: EOG RESOURCES INC EBUSINESS		**Customer Rep:** Rogers, Sheila	
Well Name: High Plains Trust 16	**Well #:** #1		**API/UWI #:**
Field:	**City (SAP):** HUGOTON	**County/Parish:** Stevens	**State:** Kansas
Legal Description: Section 16 Township 33S Range 38W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		**Long:** E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: KENAI	**Rig/Platform Name/Num:** 58		
Job Purpose: Cement Multiple Stages			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Cement Multiple Stages		
Sales Person: DRAKE, BRANDON	**Srvc Supervisor:** CARRILLO, EDUARDO		**MBU ID Emp #:** 371263

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/01/2011 07:00							Dispach called out cement crew out for E.O.G Job DV Tool 5 1/2
Pre-Convoy Safety Meeting	04/01/2011 08:30							Discuss Route to take and Hazards on the road
Arrive At Loc	04/01/2011 09:30							
Assessment Of Location Safety Meeting	04/01/2011 09:34							Rigg was tripping out drill pipe
Pre-Rig Up Safety Meeting	04/01/2011 09:40							Discussed all red zones proper lifting Went over jsa were to spot in equipment and run lines
Wait on Customer or Customer Sub-Contractor Equip	04/01/2011 10:40							Waiting on Rigg crew to finsh with pulling drill pipe out.
Rig-Up Completed	04/01/2011 10:40							
Other	04/01/2011 12:00							Casing Crew Rigging Up To Run Casing
Other	04/01/2011 12:40							Casing Going In Hole
Other	04/01/2011 14:30							Put DV Tool On
Other	04/01/2011 17:45							Casing At Bottom Casing Crew Rigging Downe
Other	04/01/2011 17:50							Put Plug Contener So Rigg Culd Circulat It Was Up In The Air About 8 FT. Had To Go UP And Stufe Plugs In All 3 Of Them

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Job Safety Meeting	04/01/2011 18:15							Discussed all Job Steps With All Personal On Job Went Over Valumes And Psi Rates And What Order Plug Went With Company Rep Had Rigg Hands Sing Safte Sheet. Customer Rep Said To Pump Rat And Mous Hole First.
Start Job	04/01/2011 18:59							Ready for Halliburton
Pump Cement	04/01/2011 19:05		2	16	16		150.0	Pumped 50 sks @ 13.5 ppg // 16 bbls cmt for Rat and Mous Hole's Used Tubing Pipe For It
Test Lines	04/01/2011 19:42						5000.0	Tested @ 5000 per customer rep
Pump Lead Cement	04/01/2011 19:45		6	39	55		550.0	Pumped 125 sks @ 13.5 ppg // 39 bbls cmt // 125 x1.76 x 220 CU/FT 1 ST STAGE
Drop Top Plug	04/01/2011 19:56							Droped Closing Dart For DV Tool
Pump Displacement	04/01/2011 20:03		6	155	210		850.0	Pumped 55 bbls H2O Fresh Water and 100 bbls 9.2 mud on first stage 155 bbls Total
Bump Plug	04/01/2011 20:28						1100.0	Bumped at 1100 took to 1650 psi
Other	04/01/2011 20:30							Waiting On Openeing Plug To Land 20 min
Check Floats	04/01/2011 20:51							Floats held 1 bbl Back
Other	04/01/2011 20:59		1	2	212		600.0	Opened DV Tool Opend At 600 psi
End Job	04/01/2011 21:01							End 1 ST Stage Rigg Circulating 4 HR'S
Start Job	04/02/2011 01:20							
Pump Cement	04/02/2011 01:24		4	50	262		250.0	Pump 160 sks @ 13.5 ppg // 50 bbls cmt // 160 x 1.76 = 282 CU/FT. flecs started acting up had to scale cement all thru 2nd stage cementing

Sold To # : 348223 Ship To # :2844368 Quote # : Sales Order # : 8076973

SUMMIT Version: 7.20.130 Saturday, April 02, 2011 02:40:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Plug	04/02/2011 01:46							
Pump Displacement	04/02/2011 01:53		10	100	362		500.0	Pump 100 bbls Disp
Other	04/02/2011 02:03							Slow Down last 10 bbl bumped plug
Bump Plug	04/02/2011 02:06							Bump Plug @ 650 took to 1100
Other	04/02/2011 02:13							Check Floats didnt hold bumped plug again went to 1700 tool closed
End Job	04/02/2011 02:16							
Pre-Rig Down Safety Meeting	04/02/2011 02:30							Discuss Pinchpoint and Triping Hazards
Rig-Down Completed	04/02/2011 03:30							
Crew Leave Location	04/02/2011 04:00							
Other	04/02/2011 04:01							THANK YOU FOR CHOOSING HALLIBURTON

Weatherford®
Completion Systems

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc.**

3817 NW Expressway OK. City Oklahoma
73112+1483

ATTN: Mike K.

16/33/38

High Plains Trust 16-#1

Start Date: 2011.03.29 @ 11:15:00

End Date: 2011.03.30 @ 05:26:15

Job Ticket #: 39394 DST #: 1

ALPINE OIL SERVICES CORPORATION

2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4

ph: 263-7800 fax: 264-7260

DRILL STEM TEST REPORT

Weatherford® Completion Systems

EOG Resources Inc.

3817 NW Expressw ay OK. City Oklahoma 73112+1483

ATTN: Mike K.

High Plains Trust 16-#1

16/33/38

Job Ticket: 39394 **DST#: 1**

Test Start: 2011.03.29 @ 11:15:00

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:06:00
Time Test Ended: 05:26:15

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

Interval: 6358.00 ft (KB) To 6389.00 ft (KB) (TVD)
Total Depth: 6389.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

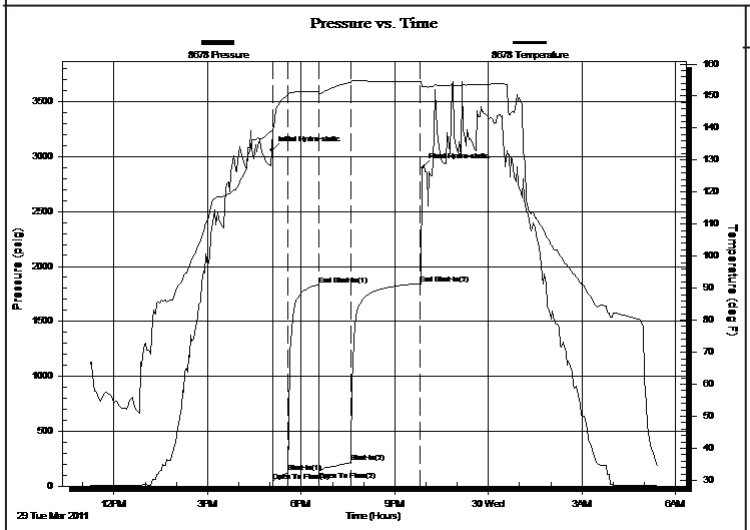
Reference Elevations: 6181.00 ft (KB)
6169.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8678 **Inside**

Press@RunDepth: 215.07 psig @ 6360.00 ft (KB)
Start Date: 2011.03.29 End Date: 2011.03.30
Start Time: 11:15:01 End Time: 05:26:14

Capacity: 8000.00 psig
Last Calib.: 2011.03.30
Time On Btm: 2011.03.29 @ 17:03:00
Time Off Btm: 2011.03.29 @ 21:53:15

TEST COMMENT: IF- Good building blow BOB 30min.
ISI- No blow back.
FF- Good building blow BOB 15min.
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3054.85	139.10	Initial Hydro-static
3	41.36	139.33	Open To Flow (1)
32	127.34	150.41	Shut-In(1)
91	1834.46	151.38	End Shut-In(1)
92	135.36	150.75	Open To Flow (2)
153	215.07	154.35	Shut-In(2)
286	1843.47	154.58	End Shut-In(2)
291	2897.11	153.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Trace of oil , gas 20%mud 80%w ater 50	0.44

Gas Rates

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

DRILL STEM TEST REPORT

EOG Resources Inc.

3817 NW Expressw ay OK. City Oklahoma 73112+1483

ATTN: Mike K.

High Plains Trust 16-#1

16/33/38

Job Ticket: 39394 **DST#: 1**

Test Start: 2011.03.29 @ 11:15:00

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:06:00
Time Test Ended: 05:26:15

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

Interval: 6358.00 ft (KB) To 6389.00 ft (KB) (TVD)
Total Depth: 6389.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

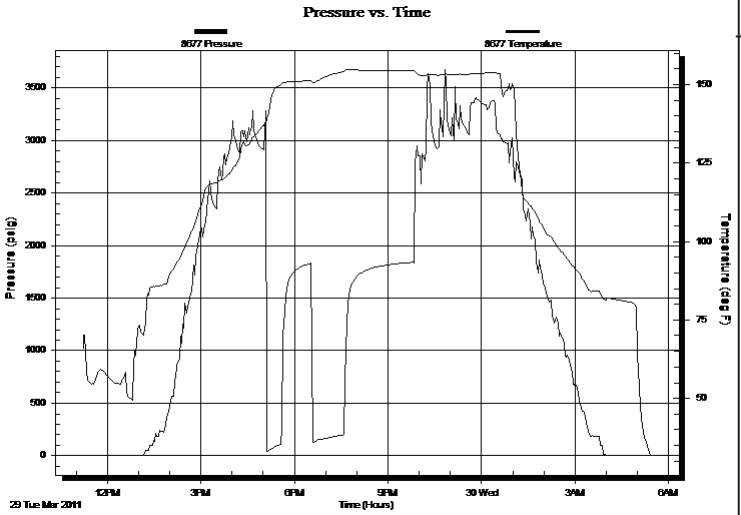
Reference Elevations: 6181.00 ft (KB)
6169.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8677 **Inside**

Press@RunDepth: psig @ 6360.00 ft (KB)
Start Date: 2011.03.29 End Date: 2011.03.30
Start Time: 11:14:32 End Time: 05:26:15

Capacity: 8000.00 psig
Last Calib.: 2011.03.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF- Good building blow BOB 30min.
ISI- No blow back.
FF- Good building blow BOB 15min.
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Trace of oil , gas 20%mud 80%w ater 50	0.44

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources Inc.

3817 NW Expressw ay OK. City Oklahoma 73112+1483

ATTN: Mike K.

High Plains Trust 16-#1

16/33/38

Job Ticket: 39394 **DST#: 1**

Test Start: 2011.03.29 @ 11:15:00

Tool Information

Drill Pipe:	Length:	5970.00 ft	Diameter:	3.80	inches	Volume:	83.74	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	366.00 ft	Diameter:	2.25	inches	Volume:	1.80	bbl	
						Total Volume:	85.54	bbl	

Drill Pipe Above KB:	7.00 ft
Depth to Top Packer:	6358.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	31.00 ft
Tool Length:	60.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		90000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	75000.00 lb
	Final	75000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			6334.00		
Sampler	3.00			6337.00		
Hydraulic tool	5.00			6342.00		
Jars	5.00			6347.00		
Safety Joint	2.00			6349.00		
Packer	5.00			6354.00	29.00	Bottom Of Top Packer
Packer	4.00			6358.00		
Stubb	1.00			6359.00		
Perforations	1.00			6360.00		
Recorder	0.00	8678	Inside	6360.00		
Recorder	0.00	8677	Inside	6360.00		
Perforations	26.00			6386.00		
Bullnose	3.00			6389.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**60.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources Inc.

3817 NW Expressway OK. City Oklahoma 73112+1483

ATTN: Mike K.

High Plains Trust 16-#1

16/33/38

Job Ticket: 39394 **DST#: 1**

Test Start: 2011.03.29 @ 11:15:00

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:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Trace of oil , gas 20%mud 80%water 50000	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data- 1840 PSI trace of oil, gas, and mud 2000 ML. of 100% water. RW .35@30=50000CHL After we rev. out we were only left with 30' rec.

Weatherford® Completion Systems

EOG Resources Inc.

3817 NW Expressw ay OK. City Oklahoma 73112+1483

ATTN: Mike K.

High Plains Trust 16-#1

16/33/38

Job Ticket: 39394 **DST#: 1**

Test Start: 2011.03.29 @ 11:15:00

Gas Rates Information

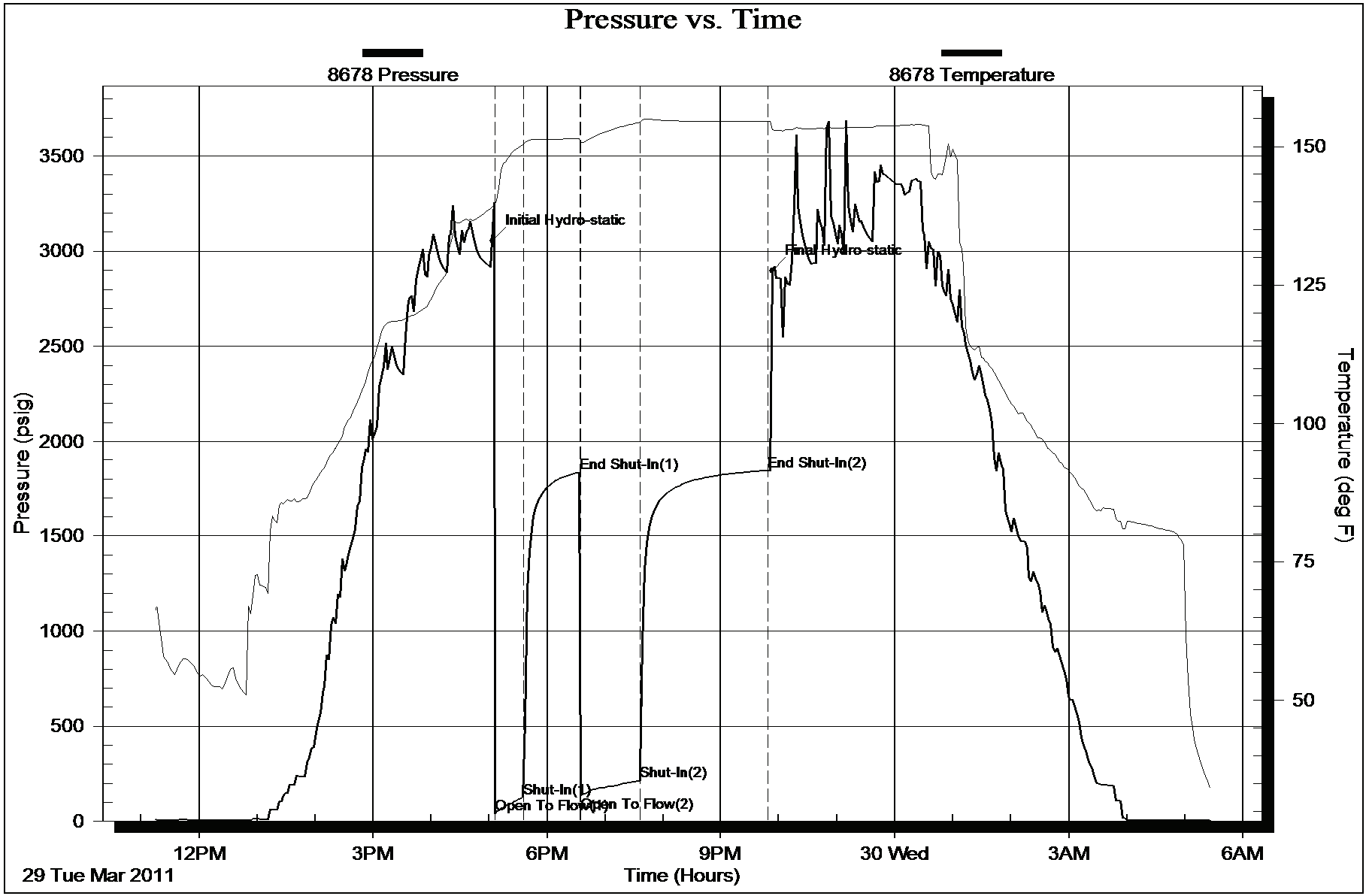
Temperature: 59 deg C

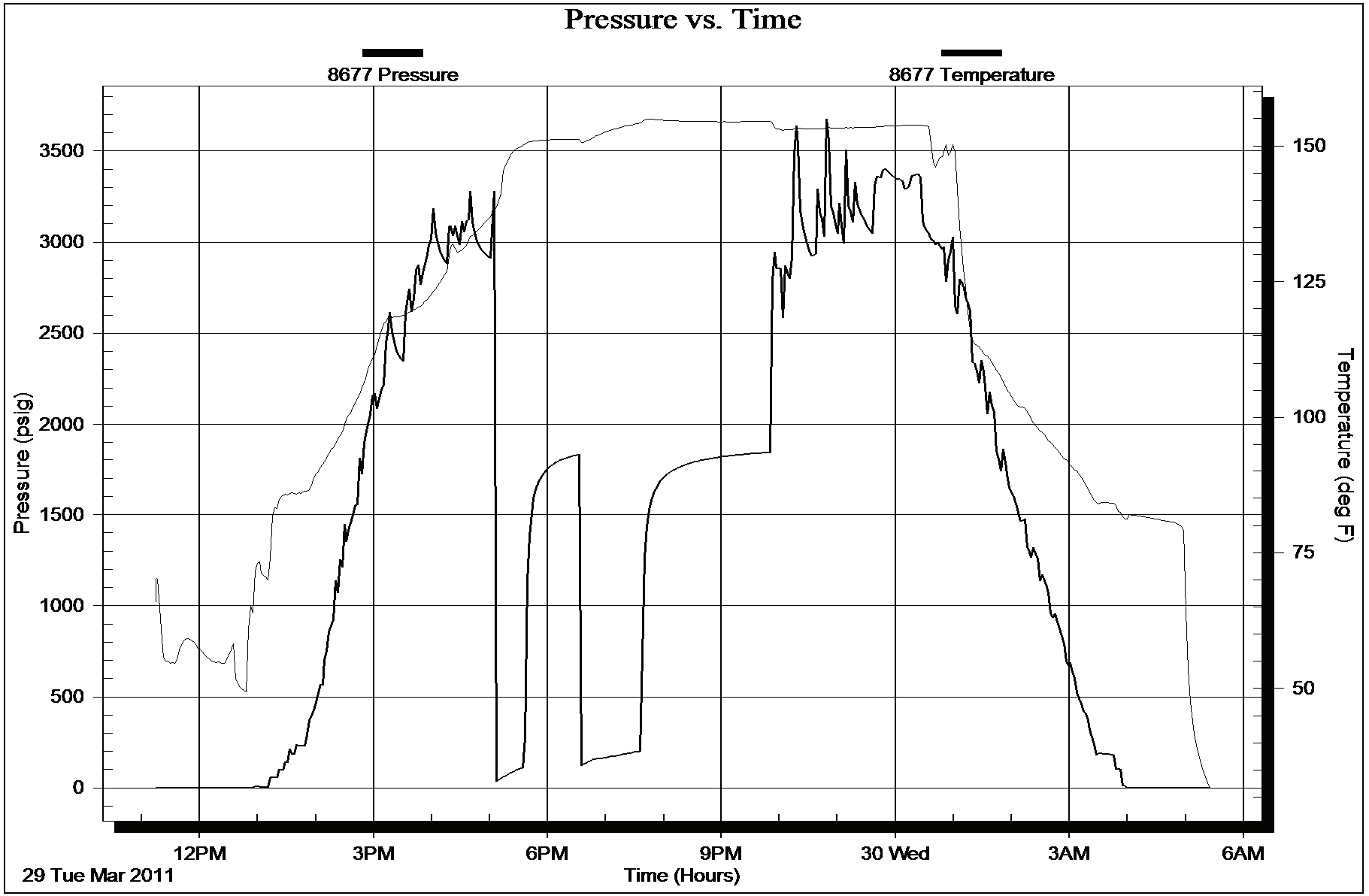
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

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


Pressure vs. Time
8678 Pressure
8678 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
3500
3000
2500
2000
1500
1000
500
0
150
125
100
75
50
12PM
3PM
6PM
9PM
30 Wed
3AM
6AM
29 Tue Mar 2011
Time (Hours)


Pressure vs. Time
8677 Pressure
8677 Temperature
Pressure (psig)
Temperature (deg F)
3500
3000
2500
2000
1500
1000
500
0
150
125
100
75
50
12PM
3PM
6PM
9PM
30 Wed
3AM
6AM
29 Tue Mar 2011
Time (Hours)