

CONFIDENTIAL

WELL COMPLETION FORM

ORIGINAL

Form must be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

8/4/12

OPERATOR: License # 5278

Name: EOG Resources, Inc.

Address 1: 3817 NW Expressway, Suite 500

Address 2: Suite 500

City Oklahoma City State OK Zip: 73112 +

Contact Person: DAWN ROCKEL

Phone ( 405 ) 246-3226

CONTRACTOR: License # 34000

Name: KENAI MID-CONTINENT, INC.

Wellsite Geologist: \_\_\_\_\_

Purchaser: N/A

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW

Gas  ENHR  SIGW

CM (Coal Bed Methane)  Temp. Abd.

Dry  Other \_\_\_\_\_

(Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: 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. \_\_\_\_\_

4/9/10 4/17/10 DRY-5/12/10

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

API NO. 15- 093-21854-00-00

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

\_\_\_\_\_ - N2 - NW Sec. 2 Twp. 26 S. R. 35  East  West

660 Feet from  North /  South Line of Section

1320 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County KEARNY

Lease Name BOCK Well # 2 #1

Field Name \_\_\_\_\_

Producing Formation N/A

Elevation: Ground 3005 Kelley Bushing 3017

Total Depth 5360' Plug Back Total Depth N/A

Amount of Surface Pipe Set and Cemented at 1705 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 PAWS 873-10  
(Data must be collected from the Reserve Pit)

Chloride content 4000 ppm Fluid volume 1000 bbls

Dewatering method used EVAPORATION

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

Operator Name HAYDEN OPERATING

Lease Name LIZ SMITH License No. 33562

Quarter \_\_\_\_\_ Sec. 26 Twp. 30 S. R. 34  East  West

County HASKELL Docket No. D26802

**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 on 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.

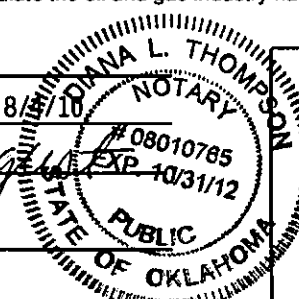
Signature Dawn Rockel

Title SR. OPERATIONS ASSISTANT Date 8/17/10

Subscribed and sworn to before me this 4th day of August

20 10.  
Notary Public Diana Thompson

Date Commission Expires 10-31-2012



**KCC Office Use ONLY**

Letter of Confidentiality Attached 8/4/10-8/4/12

If Denied, Yes  Date: RECEIVED

Wireline Log Received

Geologist Report Received

UIC Distribution

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Operator Name EOG RESOURCES, INC.

Lease Name BOCK

Well # 2 #1

Sec. 2 Twp. 26 S.R. 35  East  West

County KEARNY

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during 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 (Attach Additional Sheets)  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run (Submit Copy)  Yes  No

List All E.Logs Run:

RESISTIVITY, MICRO, DUAL SPACED NEUTRON, DUAL SPACED NEUTRON MICRO, SONIC ARRAY & CEMENT BOND.

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum

SEE ATTACHED SHEET

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 1/4	8 5/8	24#	1705'	MIDCON-2	300	SEE ATTACHED
					CLASS 'A'	200	
PRODUCTION	7 7/8	4 1/2	10.5#	5357'	POZ 50/50	220	SEE ATTACHED

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

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	5066' -5074' ; CIBP 5016'	ACIDIZE w/1000 GALS HCL.	5066-5074
1	4896' -4952' ; CIBP 4890'	ACIDIZE w/5000 GALS HCL.	4896-4952
4	4840' -4868' & 4804' -4814; CIBP 4750'	ACIDIZE w/5000 GALS HCL.	4804-4788
4	4777' -4788' & 4758' -4766' ; 4523' -4532'	ACIDIZE w/1500 GALS HCL.	4523-4532

TUBING RECORD	Size 2 3/8	Set At 4505'	Packer At N/A	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	------------	--------------	---------------	---

Date of First, Resumed Production, SWD or Enhr. N/A - DRY	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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	Production Interval
--	---	---------------------

ACO-1 Completion Report		
Well Name : BOCK 2 #1		
FORMATION	TOP	DATUM
BASE OF HEEBNER	3867	-850
LANSING	4000	-983
KANSAS CITY	4185	-1168
MARMATON	4490	-1473
ATOKA	4802	-1785
MORROW	4951	-1934
CHESTER	5046	-2029
ST GENEVIEVE	5058	-2041
ST LOUIS	5150	-2133

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**HALLIBURTON**

**Cementing Job Summary**

*The Road to Excellence Starts with Safety*

Sold To #: 348223	Ship To #: 2777767	Quote #:	Sales Order #: 7294994
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Sessions, Jackie	
Well Name: Bock	Well #: 2H	API/UWI #:	
Field:	City (SAP): LAKIN	County/Parish: Kearny	State: Kansas
Contractor: .KENAI	Rig/Platform Name/Num: 58		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DRAKE, BRANDON		Srvc Supervisor: SMITH, BOBBY	MBU ID Emp #: 106036

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARRILLO, EDUARDO Carrillo	11	371263	MATA, ADOLFO V	11	419999	SMITH, BOBBY Wayne	11	106036
TORRES, CLEMENTE	11	344233						

**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

TOTAL Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	09 - Apr - 2010	23:00	CST
Job depth MD	1700. ft		Job Depth TVD	Job Started	10 - Apr - 2010	02:00	CST
Water Depth			Wk Ht Above Floor	Job Completed	10 - Apr - 2010	08:09	CST
Perforation Depth (MD)	From		To	Job Completed	10 - Apr - 2010	09:51	CST
				Departed Loc	10 - Apr - 2010	13:00	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
Surface Hole				12.25					1700.		
Surface Casing	Unknown		8.625	8.097	24.				1700.		

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

Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER ASSY - API - 8-5/8 CSG X	10	EA		
CLP,LIM,8 5/8,FRICT,WTH DOGS	2	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	EA		
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		
SUGAR - GRANULATED	50	LB		

**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 Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

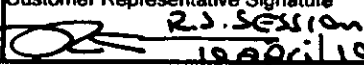
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# HALLIBURTON

# Cementing Job Summary

Field Data									
Stage/Plug #									
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	MIDCON-2 CEMENT STANDARD - SBM (15078)	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	CMT - STANDARD CEMENT (100003684)	200.0	sacks	15.6	1.2	5.22		5.22
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	5.218 Gal	FRESH WATER							
3	Displacement		100.00	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	40	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  R.J. Session 10 April 10					

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# HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2777767	Quote #:	Sales Order #: 7294994
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Sessions, Jackie	
Well Name: Bock	Well #: 2H	API/UWI #:	
Field:	City (SAP): LAKIN	County/Parish: Kearny	State: Kansas
Legal Description:			KCC
Lat:		Long:	
Contractor: KENAI	Rig/Platform Name/Num: 58		
Job Purpose: Cement Surface Casing		Ticket Amount: CONFIDENTIAL	
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: DRAKE, BRANDON	Srv Supervisor: SMITH, BOBBY	MBU ID Emp #: 106036	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/09/2010 23:00							
Depart Location Safety Meeting	04/10/2010 00:00							
Arrive At Loc	04/10/2010 02:00							
Assessment Of Location Safety Meeting	04/10/2010 02:00							Rig pulling drill pipe
Pre-Rig Up Safety Meeting	04/10/2010 02:05							
Rig-Up Completed	04/10/2010 03:00							
Other	04/10/2010 03:30							drill pipe out of the hole casing crew rigging up.
Other	04/10/2010 04:00							casing going in the hole
Other	04/10/2010 07:30							casing on bottom rig is circulating.
Safety Meeting - Pre Job	04/10/2010 08:00							
Start Job	04/10/2010 08:09							
Test Lines	04/10/2010 08:10					4000.0		
Pump Lead Cement	04/10/2010 08:12		7	158.15		300.0		300 sx = 888 ft3 = top of cement surface
Other	04/10/2010 08:13							mud returns
Wait on HES or HES Sub-Contractor Equipment - Star	04/10/2010 08:32							the cement head on the pump truck plugged off during the lead cement.
Wait on HES or HES Sub-Contractor Equipment - End	04/10/2010 08:48							fixing the problem took 16 mins.
Pump Tail Cement	04/10/2010 08:56		7	42.74		200.0		200 sx = 240 ft3. top of cement 1166.93 ft

Sold To #: 348223

Ship To #: 2777767

Quote #:

Sales Order #: 7294994

SUMMIT Version: 7.20.130

Saturday, April 10, 2010 10:28:00

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# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	04/10/2010 09:05							
Pump Displacement	04/10/2010 09:06		7	0			150.0	water
Stage Cement	04/10/2010 09:23		2	85			250.0	Stage in the last 20 bbls
Bump Plug	04/10/2010 09:48		2	105.8 7		550.0	1300. 0	
Check Floats	04/10/2010 09:50							float held.
End Job	04/10/2010 09:51							40 bbls of cement back to surface.
Safety Meeting - Pre Rig-Down	04/10/2010 10:00							
Rig-Down Completed	04/10/2010 13:00							
Safety Meeting - Departing Location	04/10/2010 13:15							
Depart Location for Service Center or Other Site	04/10/2010 13:30							Thank you for calling Halliburton. Bob and crew.

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Sold To #: 348223

Ship To #: 2777767

Quote #:

Sales Order #: 7294994

SUMMIT Version: 7.20.130

Saturday, April 10, 2010 10:28:00

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# Cementing Job Summary

**Sold To #:** 348223      **Ship To #:** 277767      **Quote #:**      **The Road to Excellence Starts with Safety**  
**Customer:** EOG RESOURCES INC EBUSINESS      **Customer Rep:** Knox, M.D.      **Sales Order #:** 730/682  
**Well Name:** Bock      **Well #:** 2#1  
**Field:**      **City (SAP):** LAKIN      **County/Parish:** Haskell      **API/UWI #:**      **State:** Kansas  
**Contractor:** Kenai      **Rig/Platform Name/Num:** 55  
**Job Purpose:** Cement Production Casing      **Job Type:** Cement Production Casing  
**Well Type:** Development Well      **Srvc Supervisor:** WILTSHIRE, MERSHEK      **MBU ID Emp #:** 195811  
**Sales Person:** BLAKEY, JOSEPH

Job Personnel									
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	
CARRILLO, EDUARDO Carrillo	8	371263	PORTILLO, CESAR	8	457847	WILTSHIRE, MERSHEK Tonje	8	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
TOTAL								

**Job**      *Total is the sum of each column separately*

Formation Name				Job Times			
Formation Depth (MD)	Top	Bottom		Date	Time	Time Zone	
Form Type		BHST	Called Out	16 - Apr - 2010	17:00	CST	
Job depth MD	5250. ft	Job Depth TVD	On Location	16 - Apr - 2010	21:00	CST	
Water Depth		Wk Ht Above Floor	Job Started	17 - Apr - 2010	02:35	CST	
Perforation Depth (MD)	From	To	Job Completed	17 - Apr - 2010	03:46	CST	
			Departed Loc	17 - Apr - 2010	05:00	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 #	Bottom TVD #
7 7/8 Open Hole 4 1/2 Production Casing	Unknown		4.5	7.070 4.	11.6			1700.	5360. 5360.		
8 5/8 Surface Casing	Unknown		8.625	8.097	24			1700.			

Sales/Rental/3 <sup>rd</sup> Party (HES)				
Description	Qty	Qty uom	Depth	Supplier
CTRZR ASSY, TURBO, API, 4 1/2 CSG X 7 7/8	40	EA		
PLUG, CMTG, TOP, 4 1/2, HWY, 3.65 MIN/4.14 MA	1	EA		
CLAMP - LIMIT - 4-1/2 - HINGED -	28	EA		
KIT, HALL WELD-A	1	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 Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	



# 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/ek
1	Primary Cement	POZ STANDARD 50/50 - SBM (12308)	220.0	sacks	13.5	1.75	8.43		8.43
	6 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	10 %	SALT, 100 LB BAG (100003652)							
	2 lbm	PRESSUR-6EAL 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)							
	8.434 Gal	FRESH WATER							
2	2% KCL Displacement		85.00	bbl	8.45	.0	.0	.0	
	167 lbm/Mgal	POTASSIUM CHLORIDE - KCL, 50 LB BAG (100001585)							
3	Rat Hole Plug Cement	POZ STANDARD 50/50 - SBM (12308)	50.0	sacks	13.5	1.75	8.43		8.43
	6 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	10 %	SALT, 100 LB BAG (100003652)							
	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)							
	8.434 Gal	FRESH WATER							
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	0 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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**AUG 04 2010**  
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# Cementing Job Log

*The Road to Excellence Starts with Safety*

Sold To #: 348223		Ship To #: 277767		Quote #:		Sales Order #: 7307682	
Customer: EOG RESOURCES INC EBUSINESS				Customer Rep: Knox, M.D.			
Well Name: Bock			Well #: 2#1		API/UWI #:		
Field:		City (SAP): LAKIN		County/Parish: Haskell		State: Kansas	
Legal Description:							
Lat:				Long:			
Contractor: Kenai			Rig/Platform Name/Num: 55				
Job Purpose: Cement Production Casing					Ticket Amount:		
Well Type: Development Well			Job Type: Cement Production Casing				
Sales Person: BLAKEY, JOSEPH			Srcv Supervisor: WILTSHIRE, MERSHEK			MBU ID Emp #: 195811	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/16/2010 17:00							
Arrive At Loc	04/16/2010 21:00							
Pre-Job Safety Meeting	04/16/2010 21:15							
Start Job	04/17/2010 02:35							4 1/2" PRODUCTION CASING
Test Lines	04/17/2010 02:36						4000.0	
Pump Cement	04/17/2010 02:40		6	69			400.0	220 SKS 50/50 POZ PP @ 13.5#
Drop Top Plug	04/17/2010 02:54		6	69			300.0	END CEMENT
Clean Lines	04/17/2010 02:55							
Pump Displacement	04/17/2010 03:00		10	85			250.0	RIG WATER
Other	04/17/2010 03:08		2	75			520.0	SLOW RATE
Other	04/17/2010 03:13						800.0	PRESSURE BEFORE LANDING PLUG
Bump Plug	04/17/2010 03:13		2	85			1350.0	FLOAT HELD
Pump Cement	04/17/2010 03:27			16				50 SKS 50/50 POZ /// RAT AND MOUSE
End Job	04/17/2010 03:46							

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Sold To #: 348223

Ship To #: 277767

Quote #:

Sales Order #:

7307682

SUMMIT Version: 7.20.130

Saturday, April 17, 2010 04:15:00



# Weatherford<sup>®</sup>

## Completion Systems

### DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc.**

3817 NW Expressway Oklahoma City Ok.  
Ste. 500 73112-1483

ATTN: Jackie S.

**2/26/35**

**Bock 2-1**

Start Date: 2010.04.13 @ 09:00:00

End Date: 2010.04.13 @ 19:47:00

Job Ticket #: 37628                      DST #: 1

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ALPINE OIL SERVICES CORPORATION  
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4  
ph: 263-7800 fax: 264-7260

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# Weatherford<sup>3</sup> Completion Systems

## DRILL STEM TEST REPORT

EOG Resources Inc.

**Block 2-1**

3817 NW Expressway Oklahoma City Ok. Ste.  
500 73112-1483

**2/26/35**

Job Ticket: 37628

DST#: 1

ATTN: Jackie S.

Test Start: 2010.04.13 @ 09:00:00

### GENERAL INFORMATION:

Formation: **Mld. Morrow**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 12:12:50

Time Test Ended: 19:47:00

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Interval: **4882.00 ft (KB) To 5077.00 ft (KB) (TVD)**

Total Depth: **5077.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches -hole Condition: Fair**

Reference Elevations: **3016.00 ft (KB)**

**3005.00 ft (CF)**

KB to GR/CF: **11.00 ft**

Serial #: **6773**

**Inside**

Press@RunDepth: **140.04 psig @ 4884.00 ft (KB)**

Start Date: **2010.04.13**

End Date: **2010.04.13**

Capacity: **8000.00 psig**

Last Calib.: **2010.04.13**

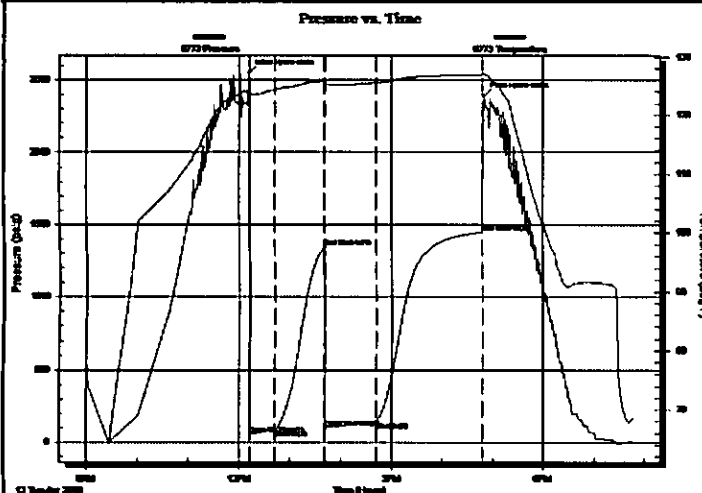
Start Time: **09:00:05**

End Time: **19:47:00**

Time On Btm: **2010.04.13 @ 12:11:40**

Time Off Btm: **2010.04.13 @ 16:50:00**

TEST COMMENT: **F- Weak building blow 7" into the bucket.  
IS- No blow back.  
FF- Weak building blow BOB 27 min. NO GTS.  
FS- No blow back.**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2548.57	124.27	Initial Hydro-static
2	54.43	123.63	Open To Flow (1)
32	83.96	124.38	Shut-In(1)
90	1347.08	125.83	End Shut-In(1)
90	102.89	125.44	Open To Flow (2)
151	140.04	125.49	Shut-In(2)
277	1449.01	126.84	End Shut-In(2)
279	2390.47	127.00	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
300.00	40%oil 30%gas30%mud	1.48

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcft)



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Job Ticket: 37628

**DST#: 1**

ATTN: Jackie S.

Test Start: 2010.04.13 @ 09:00:00

## GENERAL INFORMATION:

Formation: **Mid. Morrow**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 12:12:50  
 Time Test Ended: 19:47:00

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

Interval: **4882.00 ft (KB) To 5077.00 ft (KB) (TVD)**  
 Total Depth: **5077.00 ft (KB) (TVD)**  
 Hole Diameter: **7.78 inches** - Hole Condition: **Fair**

Reference Elevations: **3016.00 ft (KB)**  
**3005.00 ft (CF)**  
 KB to GR/CF: **11.00 ft**

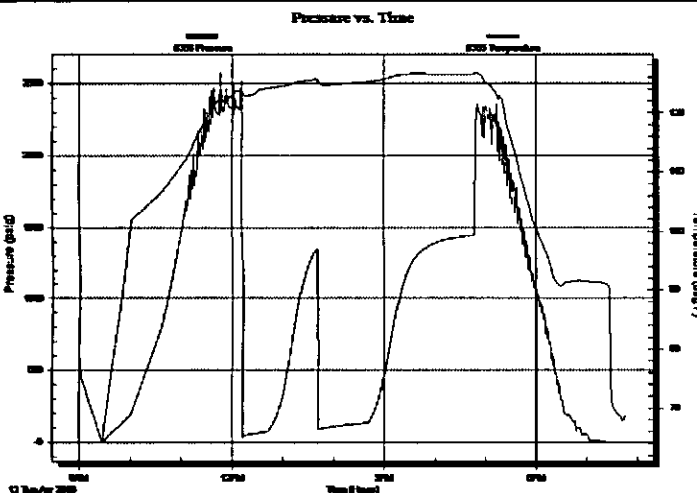
**Serial #: 8355**

**Inside**

Press@RunDepth: **psig @ 4884.00 ft (KB)**  
 Start Date: **2010.04.13** End Date: **2010.04.13**  
 Start Time: **08:59:45** End Time: **19:47:10**

Capacity: **8000.00 psig**  
 Last Calib.: **2010.04.13**  
 Time On Btm:  
 Time Off Btm:

TEST COMMENT: F- Weak building blow 7" into the bucket.  
 IS- No blow back.  
 FF- Weak building blow BOB 27 min. NO GTS.  
 FSI- No blow back.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	40%oil 30%gas30%mud	1.48

## Gas Rates

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

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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

EOG Resources Inc.

**Block 2-1**

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**2/26/35**

Job Ticket: 37628

**DST#: 1**

ATTN: Jackie S.

Test Start: 2010.04.13 @ 09:00:00

**Tool Information**

Drill Pipe:	Length: 4488.00 ft	Diameter: 3.80 inches	Volume: 62.95 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: 369.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 64.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: initial 80000.00 lb
Depth to Top Packer:	4882.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	195.00 ft			
Tool Length:	225.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4853.00	
Shut In Tool	5.00			4858.00	
Sampler	2.00			4860.00	
Hydraulic tool	5.00			4865.00	
Jars	5.00			4870.00	
Safety Joint	3.00			4873.00	
Packer	5.00			4878.00	30.00 Bottom Of Top Packer
Packer	4.00			4882.00	
Stubb	1.00			4883.00	
Perforations	1.00			4884.00	
Recorder	0.00	6773	Inside	4884.00	
Recorder	0.00	8355	Inside	4884.00	
Change Over Sub	1.00			4885.00	
Drill Pipe	186.00			5071.00	
Change Over Sub	1.00			5072.00	
Perforations	2.00			5074.00	
Bullnose	3.00			5077.00	195.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>225.00</b>				



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# DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources Inc.

**Block 2-1**

3817 NW Expressway Oklahoma City Ok. Ste.  
500 73112-1483

**2/26/35**

Job Ticket: 37628

DST#: 1

ATTN: Jackie S.

Test Start: 2010.04.13 @ 09:00:00

## 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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.98 cm<sup>2</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	40%oil 30%gas30%mud	1.475

Total Length: 300.00 ft      Total Volume: 1.475 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- 1400PSI, 2000 ML 40%oil 30 CFD gas 0% water

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# DRILL STEM TEST REPORT

GAS RATES

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Job Ticket: 37628

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ATTN: Jackie S.

Test Start: 2010.04.13 @ 09:00:00

## Gas Rates Information

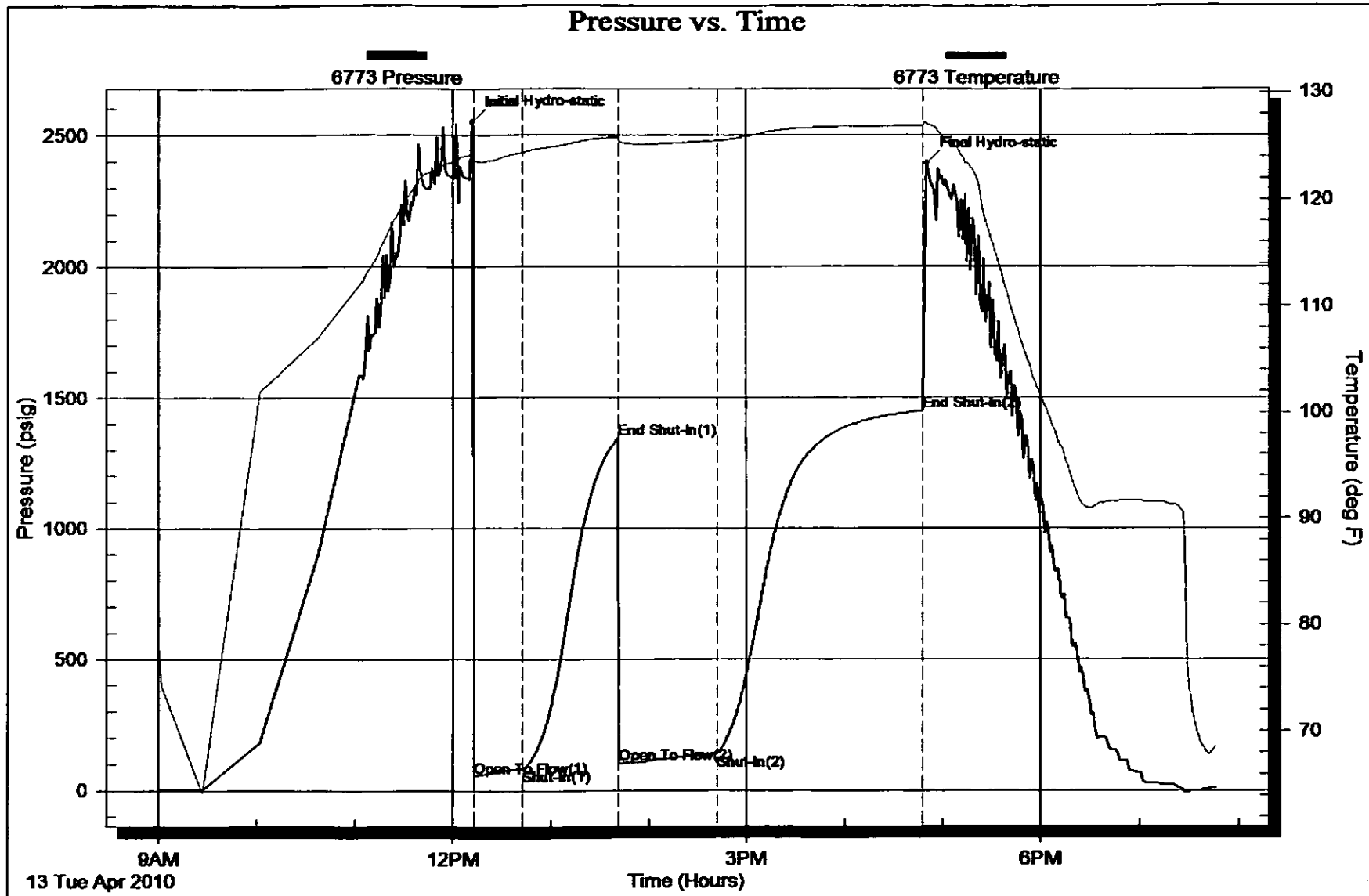
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

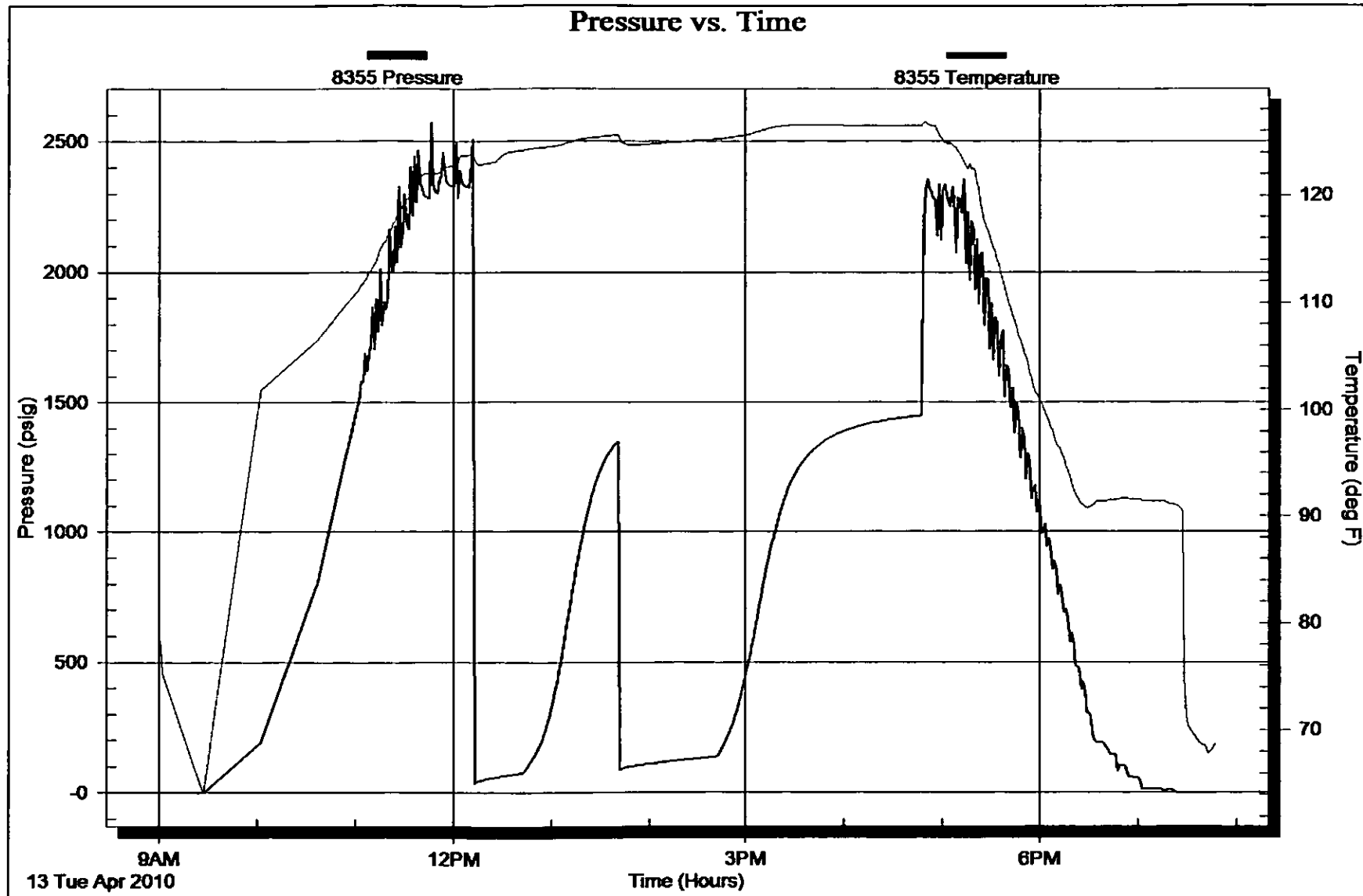
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
		0.00	0.00	0.00

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