

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

8/19/10

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

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/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.: _____

4/19/2010 4/26/2010 P&A 4/29/2010

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

API No. 15 - 175-22180-00-00

Spot Description: _____

NW SW SE NE Sec. 11 Twp. 31 S. R. 34 East West

2100' Feet from North / South Line of Section

1100' Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Seward

Lease Name: Ives Well #: 11 #1

Field Name: Wildcat

Producing Formation: N/A

Elevation: Ground: 2942' Kelly Bushing: 2954'

Total Depth: 5900 Plug Back Total Depth: N/A

Amount of Surface Pipe Set and Cemented at: 1702' 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 PANJ 8-3-10
(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: 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 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

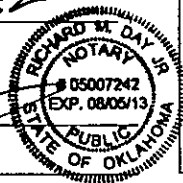
Title: Sr. Drilling Tech. Date: 8/17/2010

Subscribed and sworn to before me this 17th day of August

20 10

Notary Public: _____

Date Commission Expires: 8/5/13



KCC Office Use ONLY

Letter of Confidentiality Received 8/17/10 - 8/17/12

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: EOG Resources, Inc. Lease Name: Ives Well #: 11 #1
 Sec. 11 Twp. 31 S. R. 34 East West County: Seward

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: Array Compensated Resistivity Log, Borehole Sonic Array Log, Microlog, Spectral Density Dual Spaced Neutron Log, Spectral Density Dual Spaced Neutron Microlog	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Attached <div style="text-align: center;"> KCC AUG 17 2010 CONFIDENTIAL </div>
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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
Surface	12-1/4"	8-5/8"	24#	1702'	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. Dry, plugged and abandoned 4/29/2010		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&A 4/29/2010</u>	PRODUCTION INTERVAL: _____ _____
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ACO-1 Completion Report		
Well Name : IVES 11 #1		
FORMATION	TOP	DATUM
BASE OF HEEBNER	4056	-1103
LANSING	4207	-1254
KANSAS CITY	4466	-1513
MARMATON	4782	-1829
CHEROKEE	5010	-2057
ATOKA	5230	-2277
MORROW	5374	-2421
ST GENEVIEVE	5665	-2712
ST LOUIS	5740	-2787

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223		Ship To #: 2779034		Quote #:		Sales Order #: 7312871	
Customer: EOG RESOURCES INC EBUSINESS				Customer Rep: Rogers, Sheila			
Well Name: Ives 11			Well #: #1		API/UWI #: 1517522180		
Field:		City (SAP): LIBERAL		County/Parish: Seward		State: Kansas	
Legal Description: Section 11 Township 31S Range 34W							
Contractor: ABERCROMBIE			Rig/Platform Name/Num: 55				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: DRAKE, BRANDON			Srcv Supervisor: WILTSHIRE, MERSHEK		MBU ID Emp #: 195811		

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Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNETT, JAMES Ray	4	226567	HAYES, CRAIG H	8	449385	LOPEZ, CARLOS	4	321975
LOPEZ, JUAN R	8	198514	MATA, ADOLFO V	8	419999	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			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	20 - Apr - 2010	08:00	CST
Job depth MD	1700. ft	Job Depth TVD	Job Started	20 - Apr - 2010	11:30	CST
Water Depth		Wk Ht Above Floor	Job Completed	20 - Apr - 2010	16:52	CST
Perforation Depth (MD) From		To	Departed Loc	20 - Apr - 2010	18:00	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/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER ASSY - API - 8-5/8 CSG X	11	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	3	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	EA		
KIT, HALL WELD-A	4	EA		
PLUG, CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA	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			

Summit Version: 7.20.130

Tuesday, April 20, 2010 17:17:00

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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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	MID-CON 2 STANDARD	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	Standard	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				105.00	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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Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2779034	Quote #:	Sales Order #: 7312871
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Rogers, Sheila	
Well Name: Ives 11	Well #: #1	API/UWI #: 1517522180	
Field:	City (SAP): LIBERAL	County/Parish: Seward	State: Kansas
Legal Description: Section 11 Township 31S Range 34W			
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: ABERCROMBIE		Rig/Platform Name/Num: 55	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DRAKE, BRANDON		Srv 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	04/20/2010 04:00							RECEIVED AUG 19 2010 KCC WICHITA
Arrive At Loc	04/20/2010 08:00							
Pre-Job Safety Meeting	04/20/2010 08:15							
Start Job	04/20/2010 11:28							
Test Lines	04/20/2010 11:28						2500.0	
Other	04/20/2010 12:00			30				END CEMENT// TRUCK NOT PULLING ON WATER TO MIX CEMENT
Other	04/20/2010 12:30							NEW PUMP TRUCK AND MORE CEMENT TO TO LOCATION
Start Job	04/20/2010 15:30							
Test Lines	04/20/2010 15:30						2500.0	
Pump Lead Cement	04/20/2010 15:32		6	158			300.0	300 SKS VARICEM @ 11.4#
Pump Tail Cement	04/20/2010 16:07		6	45			220.0	200 SKS SWIFTCEM@ 15.6#
Drop Top Plug	04/20/2010 16:15		6		203		200.0	END CEMENT
Pump Displacement	04/20/2010 16:16		9	105			80.0	RIG WATER
Stage Cement	04/20/2010 16:28			85			290.0	
Other	04/20/2010 16:50						500.0	PRESSURE BEFORE LANDING PLUG

Sold To #: 348223

Ship To #: 2770034

Quote #:

Sales Order #:

7312871

SUMMIT Version: 7.20.130

Tuesday, April 20, 2010 05:17:00

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Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	04/20/2010 16:50		2.5		105		1330.0	FLOAT HELD
End Job	04/20/2010 16:52							
Cement Returns to Surface	04/20/2010 17:10							60 BBLS OF CEMENT TO PIT

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Sold To #: 348223

Ship To #: 2779034

Quote #:

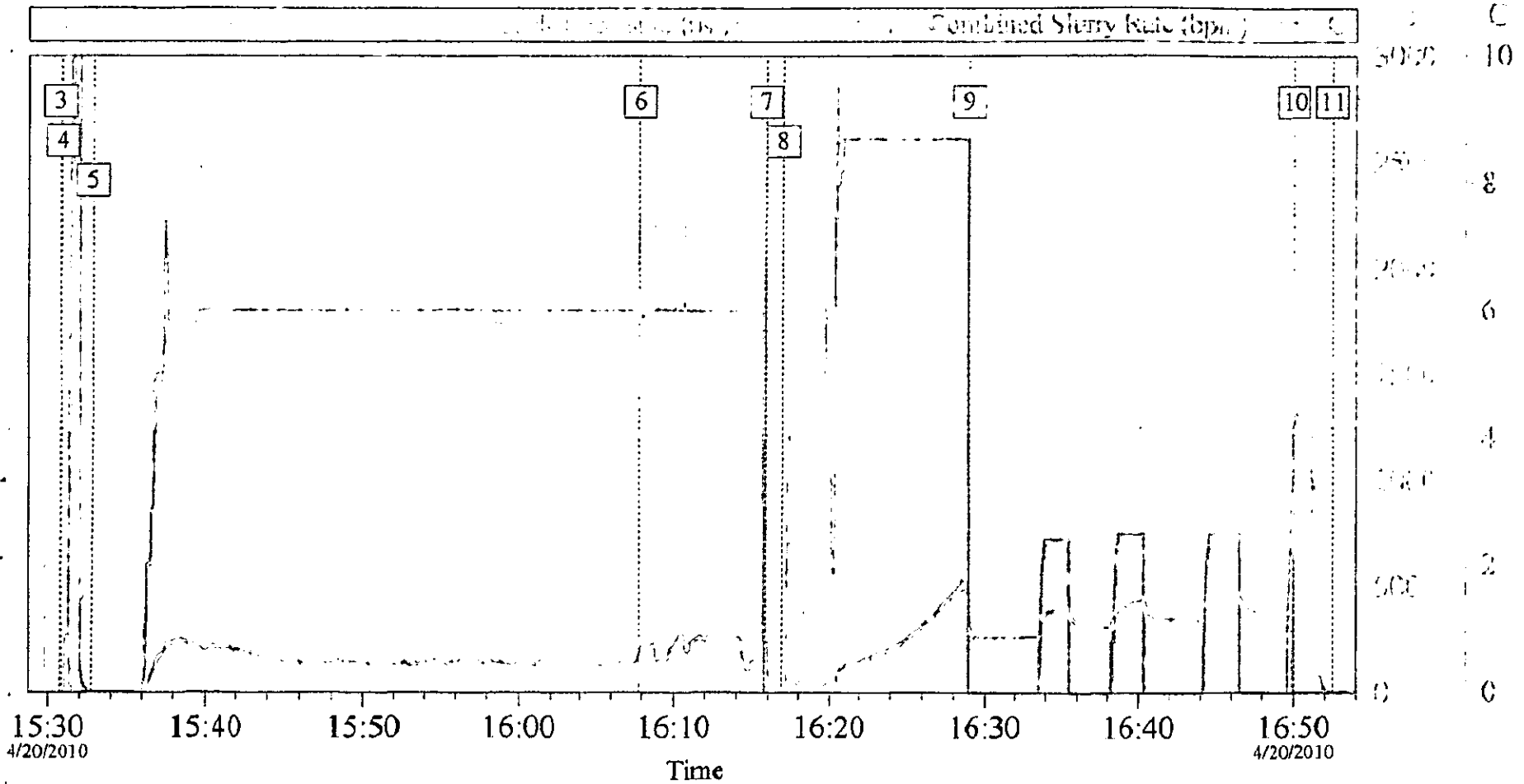
Sales Order #:

7312871

SUMMIT Version: 7.20.130

Tuesday, April 20, 2010 05:17:00

EOG RESOURCE INC IVES 11-1 (8 5/8 SURFACE CASING)



Global Event Log					
3	Start Job	15:30:45	4	Test Lines	15:30:54
5	Pump Lead Cement	15:32:47	6	Pump Tail Cement	16:07:47
7	Drop Top Plug	16:15:51	8	Pump Displacement	16:16:56
9	Other	16:28:57	10	Bump Plug	16:50:02
11	End Job	16:52:29			

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Customer:	Job Date: 20-Apr-2010	Sales Order #: 7312871
Well Description:	UWI:	

OptiCem v6.4.7
20-Apr-10 17:09



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DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources, Inc.

Ives 11-1

3817 NW Expressway STE 500 OKC, OK 73112

11/31/34

ATTN: Mike Knox

Job Ticket: 37527

DST#: 1

Test Start: 2010.04.24 @ 02:44:53

Tool Information

Drill Pipe:	Length: 4765.00 ft	Diameter: 3.80 inches	Volume: 66.84 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: 20000.00 lb
Drill Collar:	Length: 369.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 68.65 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	5155.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	233.00 ft			
Tool Length:	264.00 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			5125.00	
Shut In Tool	5.00			5130.00	
Sampler	3.00			5133.00	
Hydraulic tool	5.00			5138.00	
Jars	5.00			5143.00	
Safety Joint	3.00			5146.00	
Packer - Shale	5.00			5151.00	
Packer	4.00			5155.00	31.00 Bottom Of Top Packer
Stubb	1.00			5156.00	
Perforations	1.00			5157.00	
Recorder	0.00	8374	Inside	5157.00	
Recorder	0.00	6753	Inside	5157.00	
Perforations	9.00			5166.00	
Change Over Sub	1.00			5167.00	
Drill Pipe	217.00			5384.00	
Change Over Sub	1.00			5385.00	
Bullnose	3.00			5388.00	233.00 Anchor Tool
Total Tool Length:	264.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources, Inc. **Ives 11-1**
 3817 NW Expressway STE 500 OKC, OK 73112 **11/31/34**
 ATTN: Mike Knox Job Ticket: 37527 **DST#: 1**
 Test Start: 2010.04.24 @ 02:44:53

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:	5000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.19 cm ²	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	100%M	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW=1.207@67F=5000ppm
 Sampler=4000ml Mud @ 200 psi

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GAS RATES

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EOG Resources, Inc.

Ives 11-1

3817 NW Expressway STE 500 OKC, OK 73112

11/31/34

ATTN: Mike Knox

Job Ticket: 37527

DST#: 1

Test Start: 2010.04.24 @ 02:44:53

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

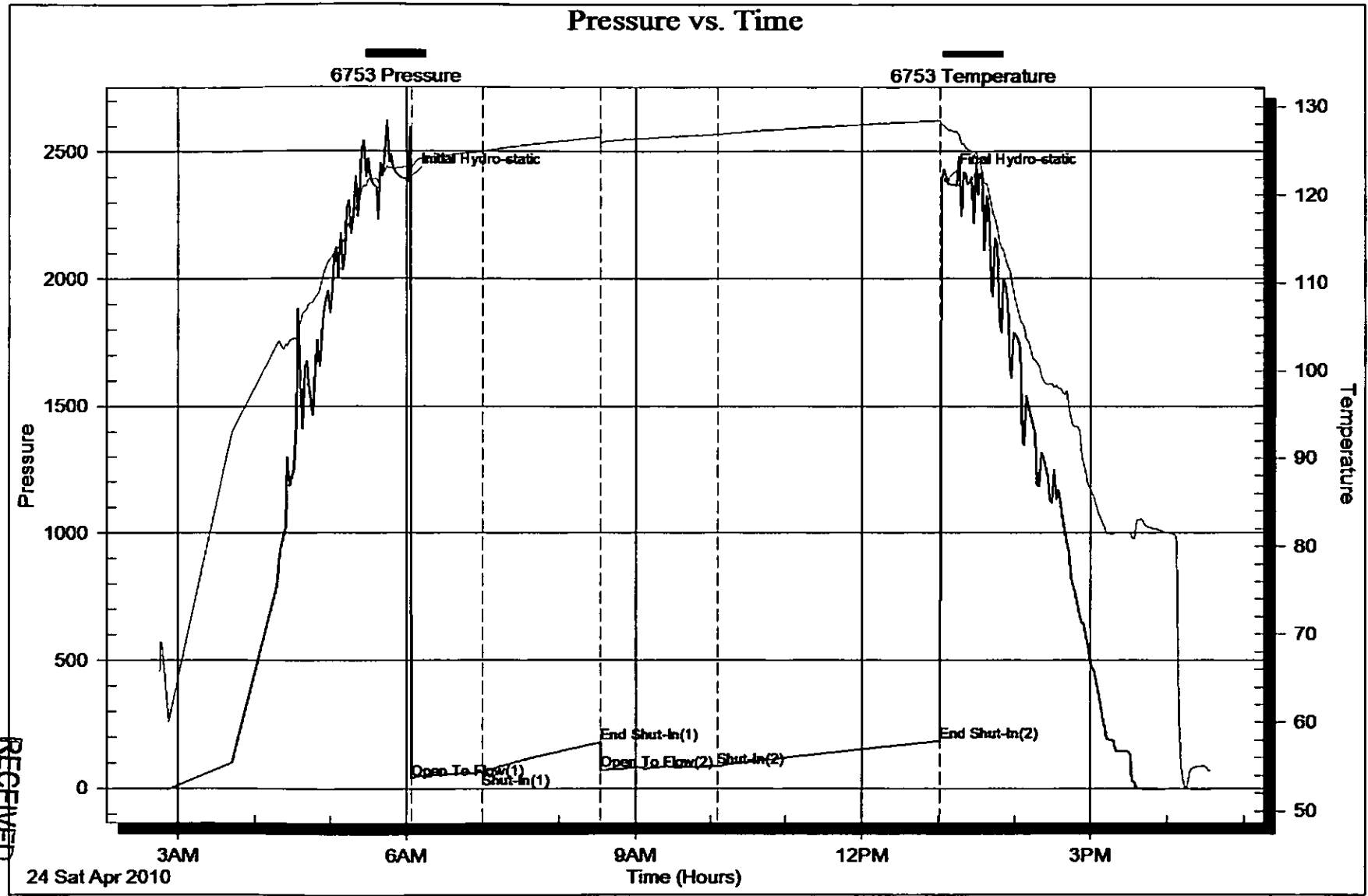
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00

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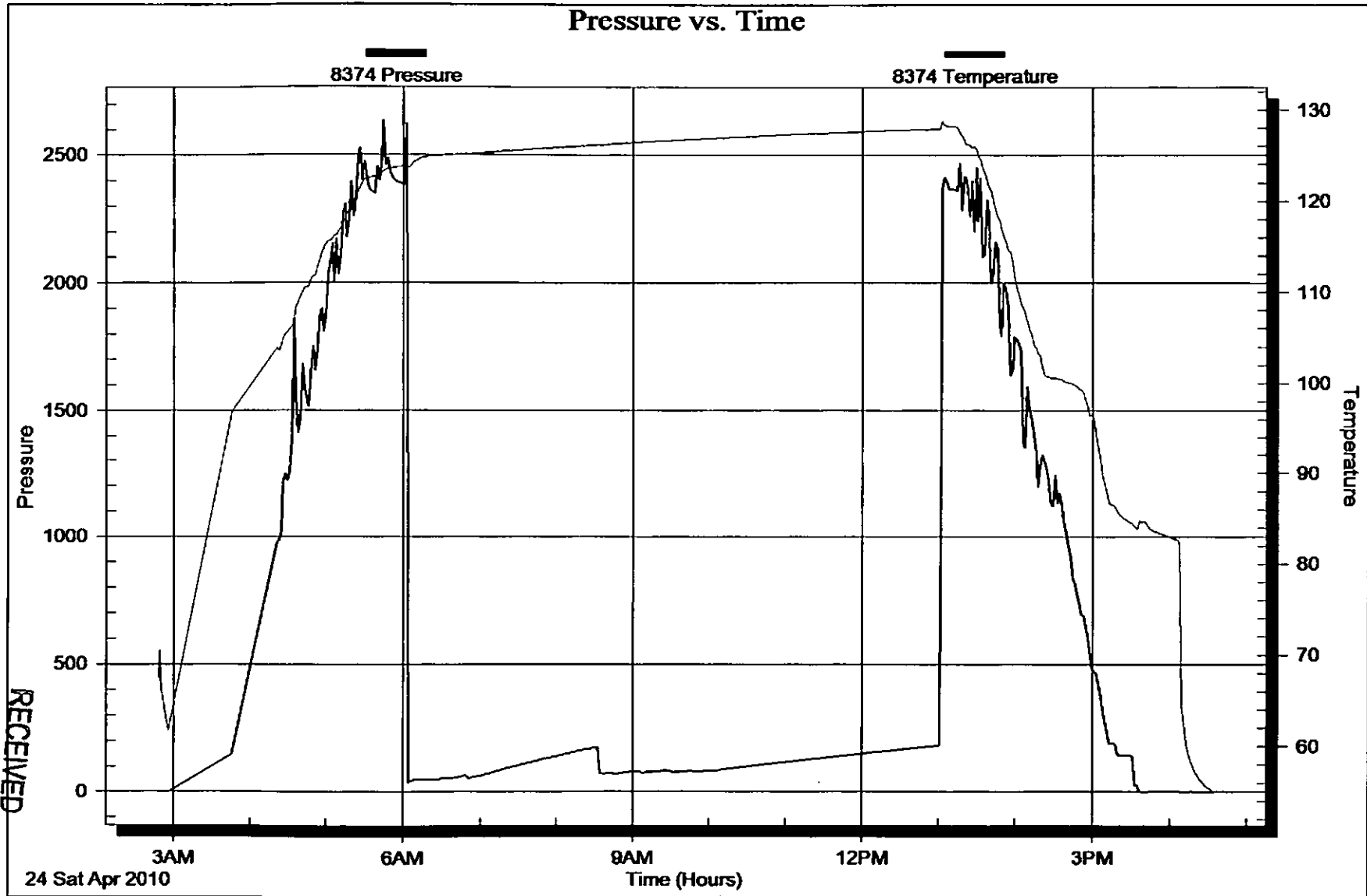
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Pressure vs. Time



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Pressure vs. Time



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DRILL STEM TEST REPORT

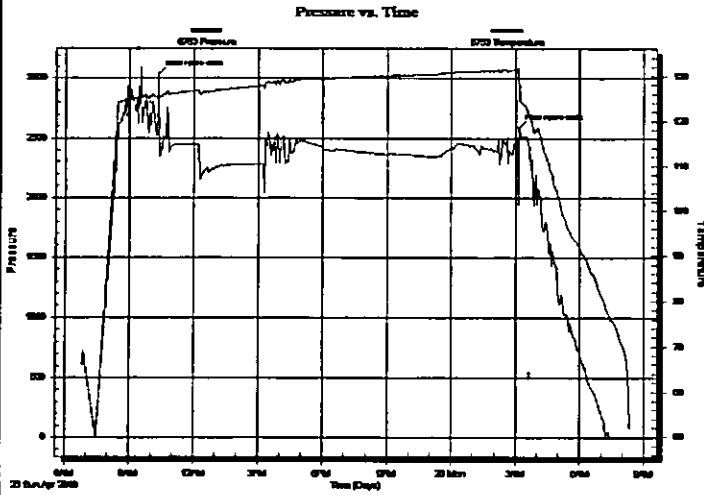
EOG Resources, Inc. **Ives 11-1**
 3817 NW Expressway STE 500 OKC, OK 73112 **11/31/34**
 ATTN: Mike Knox Job Ticket: 37528 **DST#: 2**
 Test Start: 2010.04.25 @ 06:49:48

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: **No Whipstock:** ft (KB) Test Type: **Conventional Bottom Hole**
 Time Tool Opened: Tester: **Chris Hagman**
 Time Test Ended: **08:31:38** Unit No: **34**
 Interval: **5351.00 ft (KB) To 5520.00 ft (KB) (TVD)** Reference Elevations: **2953.00 ft (KB)**
 Total Depth: **5520.00 ft (KB) (TVD)** **2942.00 ft (CF)**
 Hole Diameter: **7.78 inches** Hole Condition: **Good** KB to GR/CF: **11.00 ft**

Serial #: **6753** **Inside**
 Press@RunDepth: psig @ **5354.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.04.25** End Date: **2010.04.26** Last Calib.: **2010.04.26**
 Start Time: **06:49:49** End Time: **08:31:37** Time On Btm: **2010.04.25 @ 10:20:28**
 Time Off Btm: **2010.04.26 @ 03:08:47**

TEST COMMENT: IF: Weak surface blow 2 min., tool slid packers failed, resealed no blow
 IS: No blow back
 FF: No blow
 FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3037.20	126.58	Initial Hydro-static
1009	2585.47	132.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2760.00	100%M	35.35

Gas Rates

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

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DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources, Inc.

Ives 11-1

3817 NW Expressway STE 500 OKC, OK 73112

11/31/34

ATTN: Mike Knox

Job Ticket: 37528

DST#: 2

Test Start: 2010.04.25 @ 06:49:48

Tool Information

Drill Pipe:	Length: 4958.00 ft	Diameter: 3.80 inches	Volume: 69.55 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: 20000.00 lb
Drill Collar:	Length: 369.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 71.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5351.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	169.00 ft			
Tool Length:	200.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

tool slid 5-8 feet to bottom, packers seated for 2 min. then failed (weak surface blow), pulled tool and resealed (no blow)
Safety Joint separated while tripping in the hole, fished out @ 8:30 AM 4-

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5321.00	
Shut In Tool	5.00			5326.00	
Sampler	3.00			5329.00	
Hydraulic tool	5.00			5334.00	
Jars	5.00			5339.00	
Safety Joint	3.00			5342.00	
Packer	5.00			5347.00	31.00 Bottom Of Top Packer
Packer	4.00			5351.00	
Stubb	1.00			5352.00	
Perforations	2.00			5354.00	
Recorder	0.00	8374	inside	5354.00	
Recorder	0.00	6753	inside	5354.00	
Perforations	5.00			5359.00	
Change Over Sub	1.00			5360.00	
Drill Pipe	156.00			5516.00	
Change Over Sub	1.00			5517.00	
Bullnose	3.00			5520.00	169.00 Bottom Packers & Anchor
Total Tool Length:	200.00				

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DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources, Inc. **Ives 11-1**
 3817 NW Expressway STE 500 OKC, OK 73112 **11/31/34**
 Job Ticket: 37528 **DST#: 2**
 ATTN: Mike Knox Test Start: 2010.04.25 @ 06:49:48

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 cm ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2760.00	100%M	35.354

Total Length: 2760.00 ft Total Volume: 35.354 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

Weatherford[®] Completion Systems

EOG Resources, Inc.

Ives 11-1

3817 NW Expressway STE 500 OKC, OK 73112

11/31/34

ATTN: Mike Knox

Job Ticket: 37528

DST#: 2

Test Start: 2010.04.25 @ 06:49:48

Gas Rates Information

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

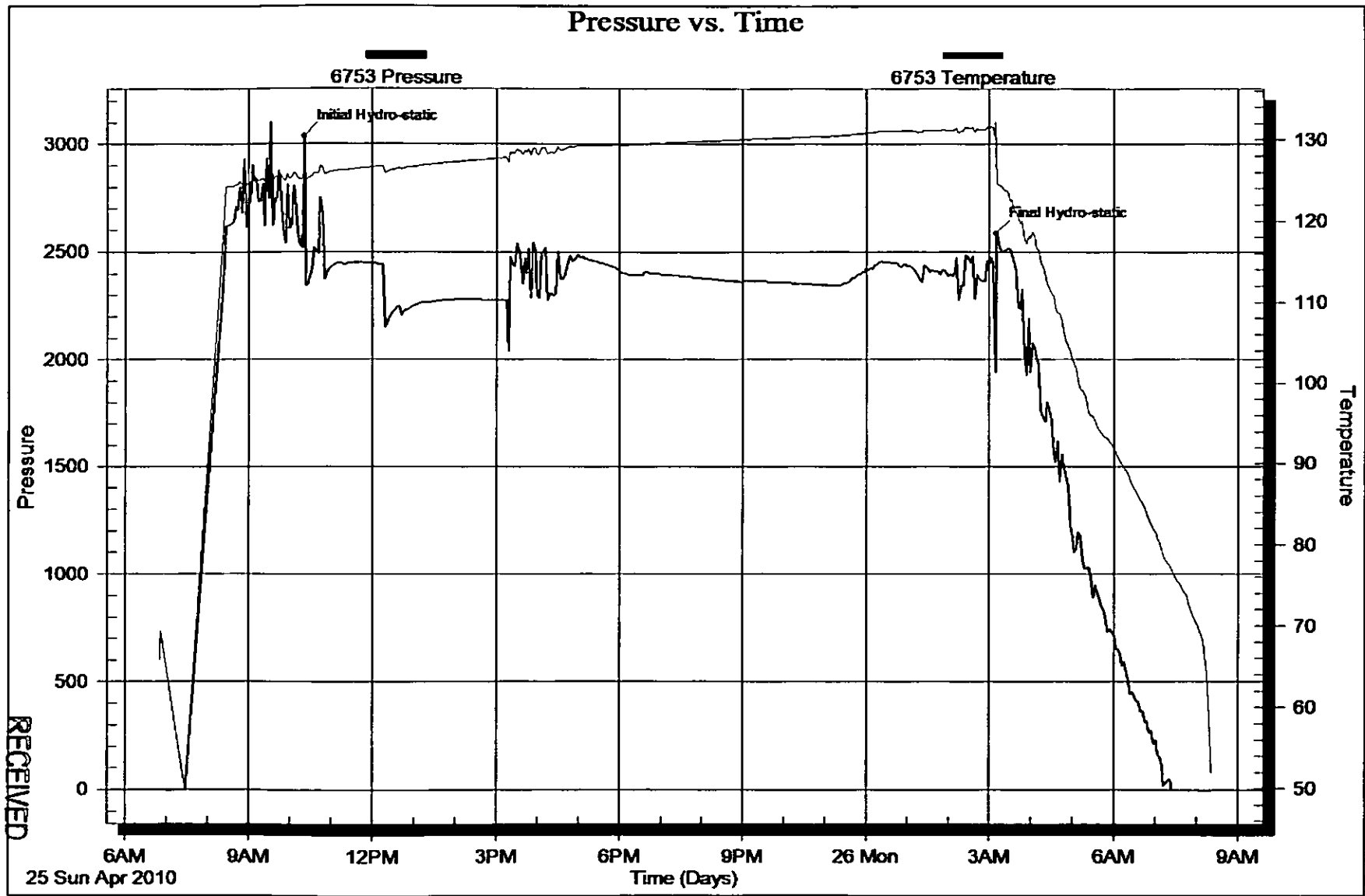
Gas Rates Table

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

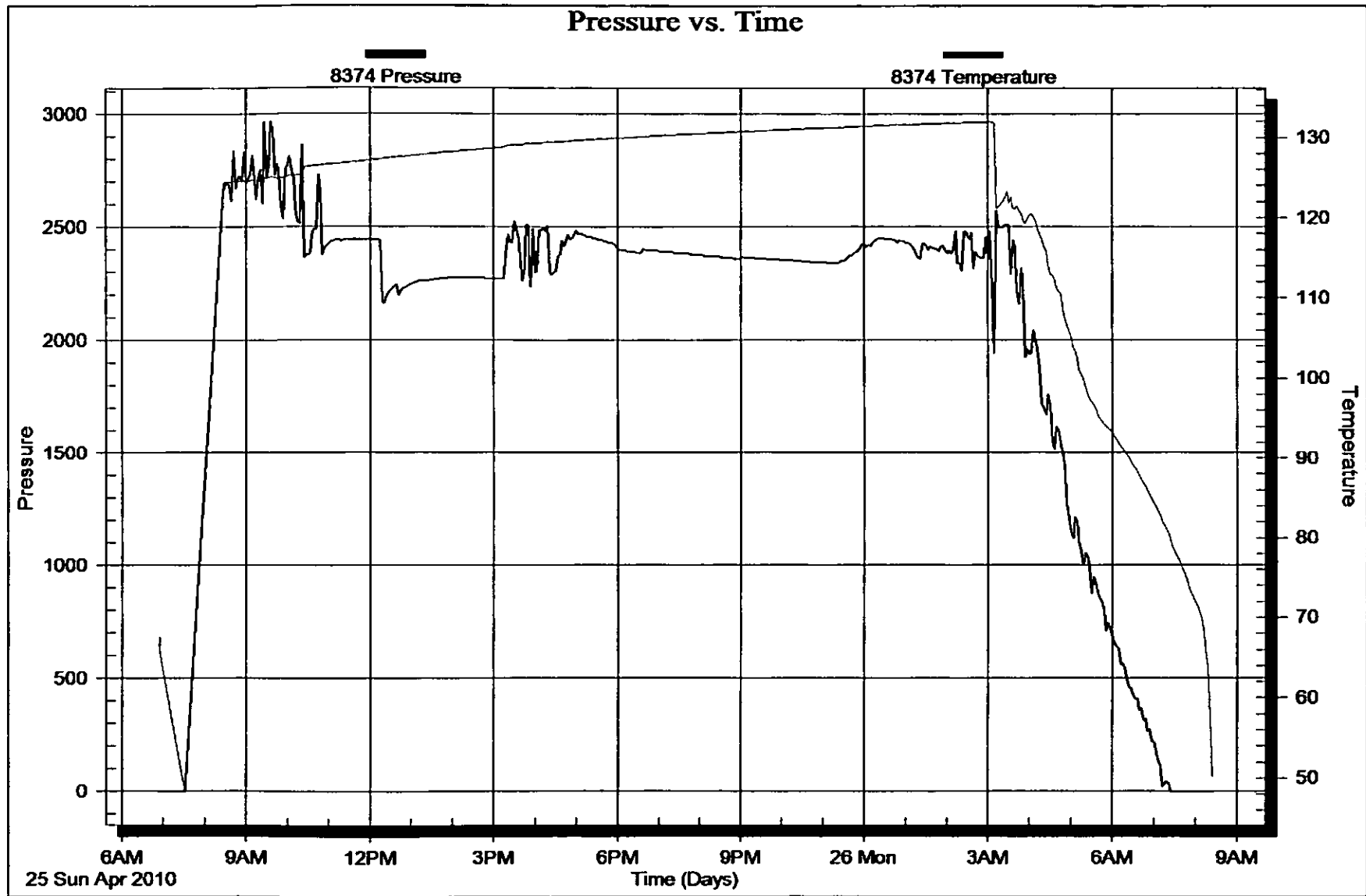
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DRILL STEM TEST REPORT

EOG Resources, Inc.

Ives 11-1

3817 NW Expressway STE 500 OKC, OK 73112

11/31/34

ATTN: Mike Knox

Job Ticket: 37529

DST#: 3

Test Start: 2010.04.28 @ 03:01:41

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 06:50:00

Time Test Ended: 14:26:20

Test Type: **Conventional Straddle**

Tester: **Chris Hagman**

Unit No: **34**

Interval: **5330.00 ft (KB) To 5479.00 ft (KB) (TVD)**

Total Depth: **5900.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2953.00 ft (KB)**

2942.00 ft (CF)

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

Serial #: **6753**

Inside

Press@RunDepth: **151.97 psig @ 5463.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.04.28**

End Date:

2010.04.28

Last Calib.:

2010.04.28

Start Time: **03:01:41**

End Time:

14:26:20

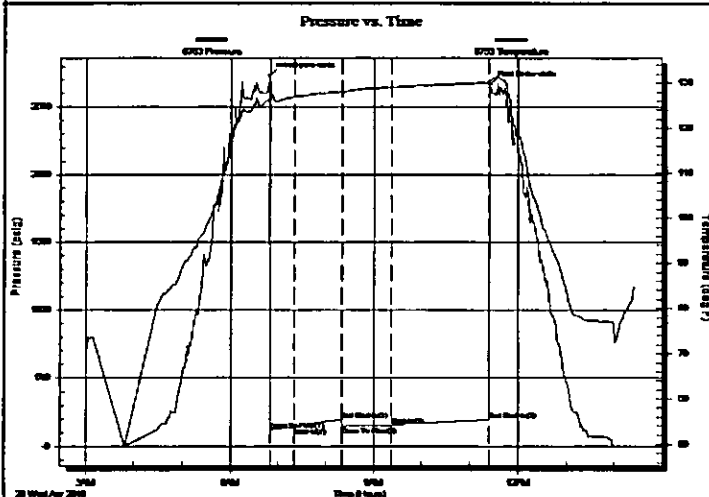
Time On Btm:

2010.04.28 @ 06:48:20

Time Off Btm:

2010.04.28 @ 11:25:40

TEST COMMENT: IF: 9 inches in 30 min., strong building blow
IS: No blow back
FF: 3.5 inches in 60 min., weak surface blow
FSt: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2729.15	126.64	Initial Hydro-static
2	114.91	126.82	Open To Flow (1)
32	136.86	126.90	Shut-in(1)
92	194.21	128.07	End Shut-in(1)
93	142.03	127.84	Open To Flow (2)
154	151.97	129.02	Shut-in(2)
276	192.48	130.07	End Shut-in(2)
278	2661.84	130.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	100%M	0.74

Gas Rates

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

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DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources, Inc.

Ives 11-1

3817 NW Expressway STE 500 OKC, OK 73112

11/31/34

ATTN: Mike Knox

Job Ticket: 37529

DST#: 3

Test Start: 2010.04.28 @ 03:01:41

Tool Information

Drill Pipe:	Length: 4941.00 ft	Diameter: 3.80 inches	Volume: 69.31 bbl	Tool Weight: 2000.00 lb
Heavy Wl. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 369.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Full Loose: 100000.0 lb
		Total Volume:	71.12 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5330.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	5904.00 ft			
Interval between Packers:	574.00 ft			
Tool Length:	601.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:
 Graphs did not match, good straddle

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5304.00	
Shut In Tool	5.00			5309.00	
Sampler	3.00			5312.00	
Hydraulic tool	5.00			5317.00	
Jars	5.00			5322.00	
Safety Joint	3.00			5325.00	
Packer	5.00			5330.00	27.00 Bottom Of Top Packer
Packer - Shale	4.00			5334.00	
Stubb	1.00			5335.00	
Perforations	3.00			5338.00	
Change Over Sub	1.00			5339.00	
Drill Pipe	123.00			5462.00	
Change Over Sub	1.00			5463.00	
Recorder	0.00	6753	Inside	5463.00	
Recorder	0.00	8353	Inside	5463.00	
Perforations	15.00			5478.00	
Blank Off Sub	1.00			5479.00	
Packer - Shale	4.00			5483.00	
Stubb	1.00			5484.00	
Perforations	5.00			5489.00	
Change Over Sub	1.00			5490.00	
Recorder	0.00	8374	Below	5490.00	
Recorder	0.00	8522	Below	5490.00	
Drill Pipe	410.00			5900.00	
Change Over Sub	1.00			5901.00	
Bullnose	3.00			5904.00	574.00 Anchor Tool
Total Tool Length:	601.00				

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DRILL STEM TEST REPORT

FLUID SUMMARY

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3817 NW Expressway STE 500 OKC, OK 73112

11/31/34

ATTN: Mike Knox

Job Ticket: 37529

DST#: 3

Test Start: 2010.04.28 @ 03:01:41

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:

6400 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 cm²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
150.00	100%M	0.738

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.785@85F=6400ppm

Sampler=4000 ml mud @ 175psi



DRILL STEM TEST REPORT

GAS RATES

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ATTN: Mike Knox

Job Ticket: 37529

DST#: 3

Test Start: 2010.04.28 @ 03:01:41

Gas Rates Information

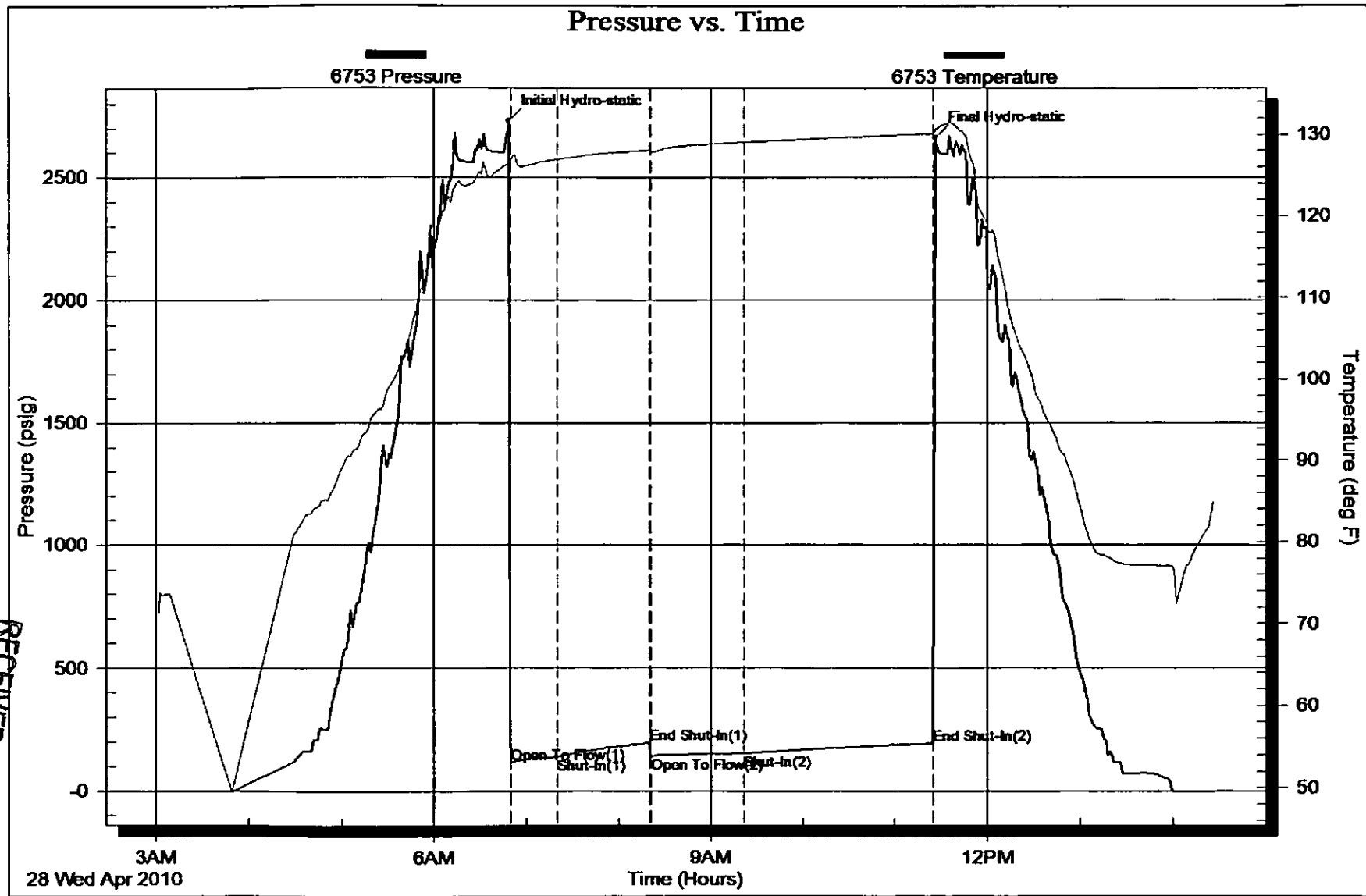
Temperature: 59 deg C

Relative Density: 0.65

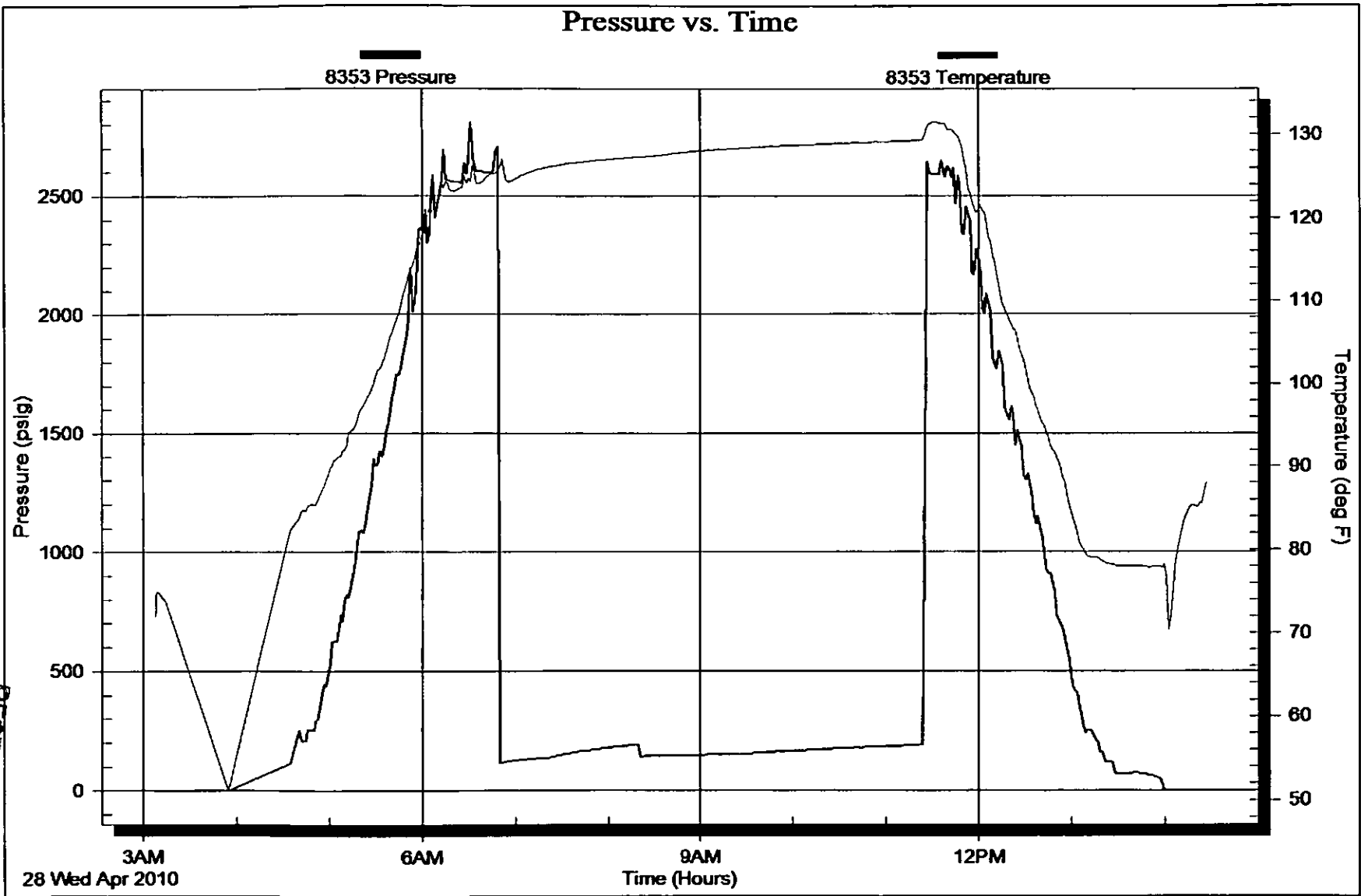
Z Factor: 0.8

Gas Rates Table

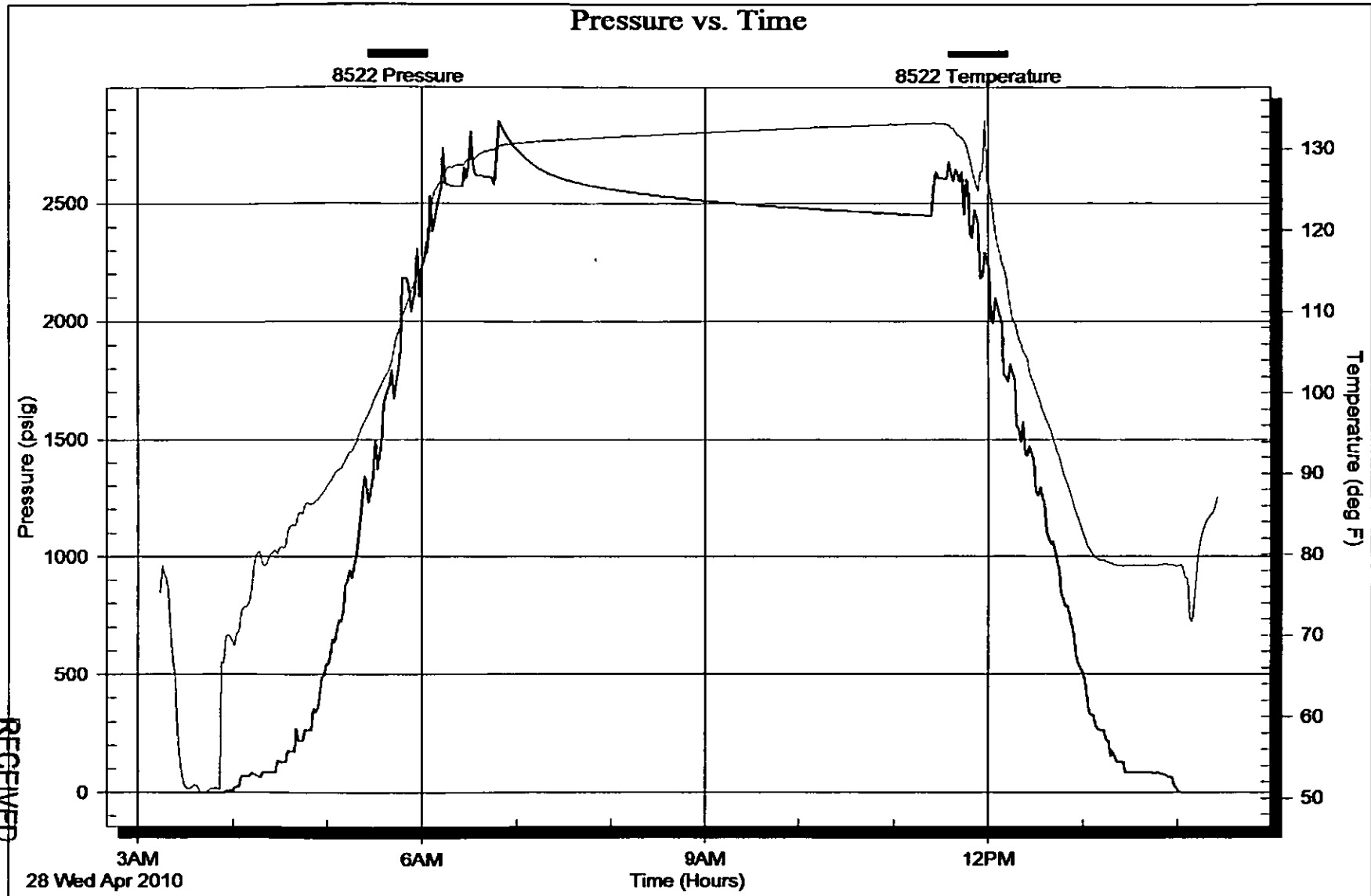
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00



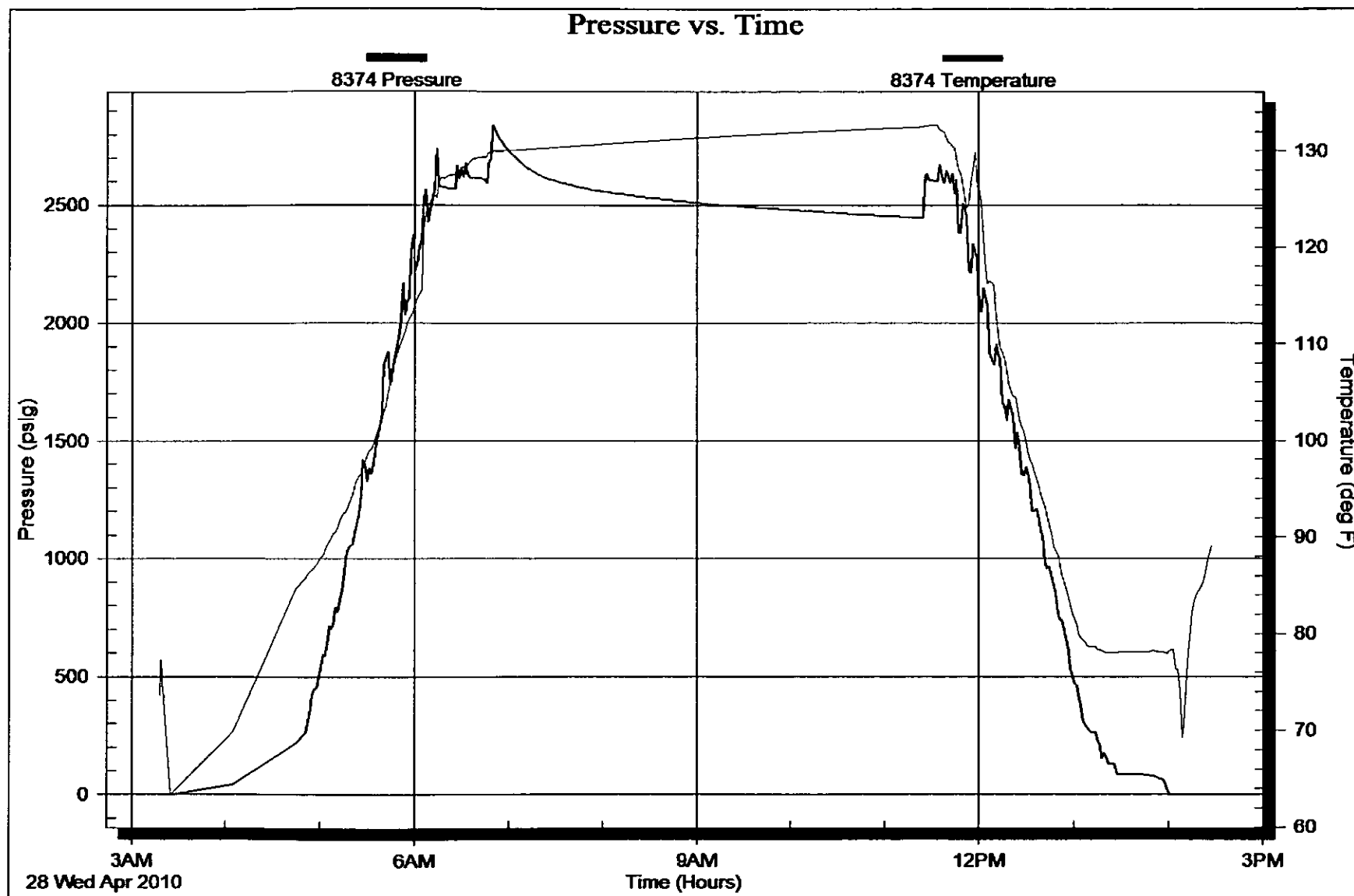
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