



# Weatherford® Completion Systems

## DRILL STEM TEST REPORT

KCC  
NOV 23 2010  
CONFIDENTIAL

Prepared For: **EOG Resources, INC**

3817 NW Expressway STE 500 OKC,OK  
73112

ATTN: Jackie Sessions

**35/31/34**

**Conover Trust 35-2**

Start Date: 2010.08.05 @ 03:29:56

End Date: 2010.08.05 @ 16:11:25

Job Ticket #: 37549      DST #: 1

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

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# DRILL STEM TEST REPORT

EOG Resources, NC

Conover Trust 35-2

3817 NW Expressway STE 500 OKC, OK 73112

35/31/34

ATTN: Jackie Sessions

Job Ticket: 37549

DST#: 1

Test Start: 2010.08.05 @ 03:29:56

## GENERAL INFORMATION:

Formation: **Altomont**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:28:05  
 Time Test Ended: 16:11:25

Test Type: Conventional Bottom Hole  
 Tester: Chris Hagman  
 Unit No: 34

Interval: **4695.00 ft (KB) To 4718.00 ft (KB) (TVD)**  
 Total Depth: 4718.00 ft (KB) (TVD)  
 Hole Diameter: 7.78 inches -ole Condition: Good

Reference Elevations: 2745.00 ft (KB)  
 2734.00 ft (CF)  
 KB to GR/CF: 11.00 ft

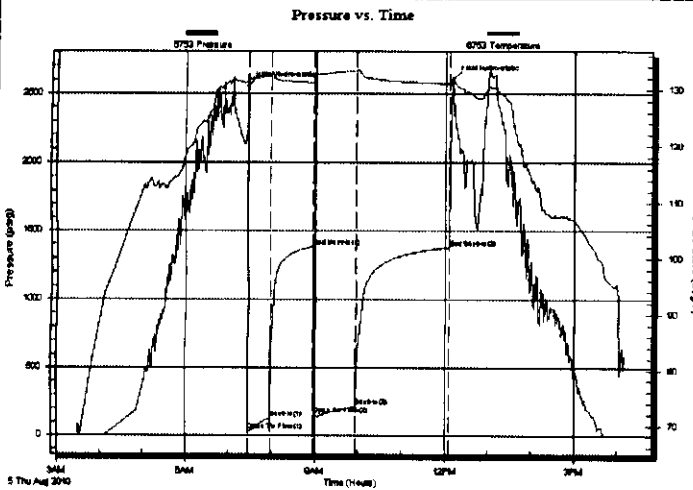
Serial #: **6753**

Inside

Press@RunDepth: 212.79 psig @ 4697.00 ft (KB)  
 Start Date: 2010.08.05 End Date: 2010.08.05  
 Start Time: 03:29:56 End Time: 16:11:25

Capacity: 8000.00 psig  
 Last Calib.: 2010.08.05  
 Time On Btm: 2010.08.05 @ 07:26:25  
 Time Off Btm: 2010.08.05 @ 12:10:25

TEST COMMENT: F: BOB ASAO, strong dieing blow  
 IS: No blow back  
 FF: BOB 6 min., strong steady blow, GTS 40 min., (gas TSTG)  
 FSI: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2552.46	132.63	Initial Hydro-static
2	37.88	131.95	Open To Flow (1)
32	122.41	132.56	Shut-In(1)
92	1384.03	131.20	End Shut-In(1)
92	150.11	132.83	Open To Flow (2)
151	212.79	133.31	Shut-In(2)
280	1378.10	131.03	End Shut-In(2)
284	2600.79	132.17	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	gassy muddy water 5%G,90%W,5%M	0.44
370.00	gassy mud 5%G,95%M	2.64

## Gas Rates

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

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**TOOL DIAGRAM**

EOG Resources, INC

**Conover Trust 35-2**

3817 NW Expressway STE 500 OKC,OK 73112

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Job Ticket: 37549

**DST#: 1**

ATTN: Jackie Sessions

Test Start: 2010.08.05 @ 03:29:56

**Tool Information**

Drill Pipe:	Length: 4304.00 ft	Diameter: 3.80 inches	Volume: 60.37 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: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 62.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4695.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	54.00 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			4665.00	
Shut In Tool	5.00			4670.00	
Sampler	3.00			4673.00	
Hydraulic tool	5.00			4678.00	
Jars	5.00			4683.00	
Safety Joint	3.00			4686.00	
Packer - Shale	5.00			4691.00	
Packer	4.00			4695.00	31.00 Bottom Of Top Packer
Stubb	1.00			4696.00	
Perforations	1.00			4697.00	
Recorder	0.00	8374	inside	4697.00	
Recorder	0.00	6753	inside	4697.00	
Perforations	18.00			4715.00	
Bulnose	3.00			4718.00	23.00 Anchor Tool

**Total Tool Length: 54.00**

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**FLUID SUMMARY**

EOG Resources, INC

Conover Trust 35-2

3817 NW Expressway STE 500 OKC,OK 73112

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Job Ticket: 37549

DST#: 1

ATTN: Jackie Sessions

Test Start: 2010.08.05 @ 03:29:56

**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:

98000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.98 cm<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
90.00	gassy muddy w ater 5%G,90%W,5%M	0.443
370.00	gassy mud 5%G,95%M	2.639

Total Length: 460.00 ft      Total Volume: 3.082 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.066@85F=98,000ppm

Sampler=4000ml w ater @ 750psi

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GAS RATES

**Weatherford**<sup>®</sup>  
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## 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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Serial #: 6753

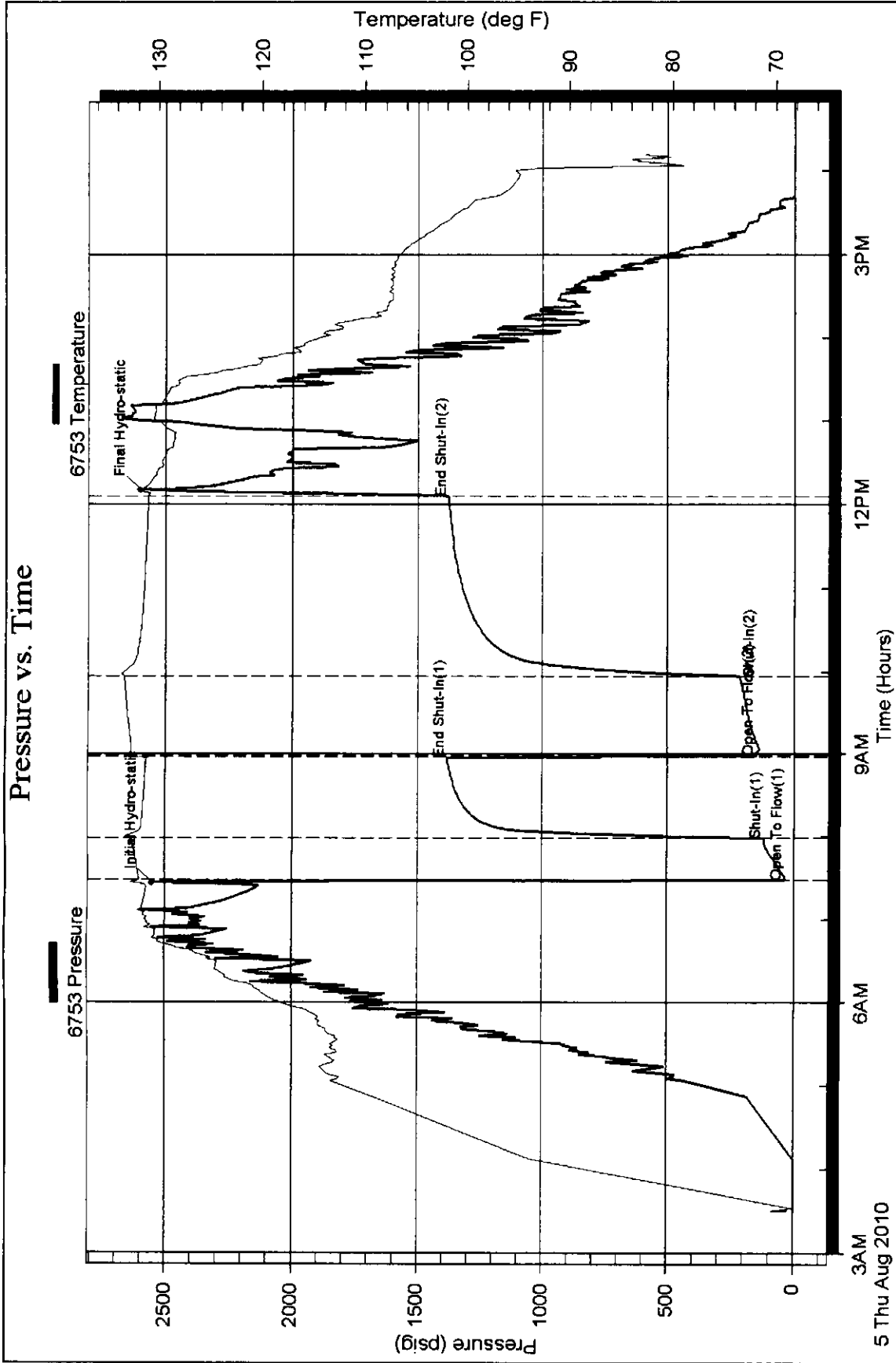
Inside

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DST Test Number: 1

### Pressure vs. Time



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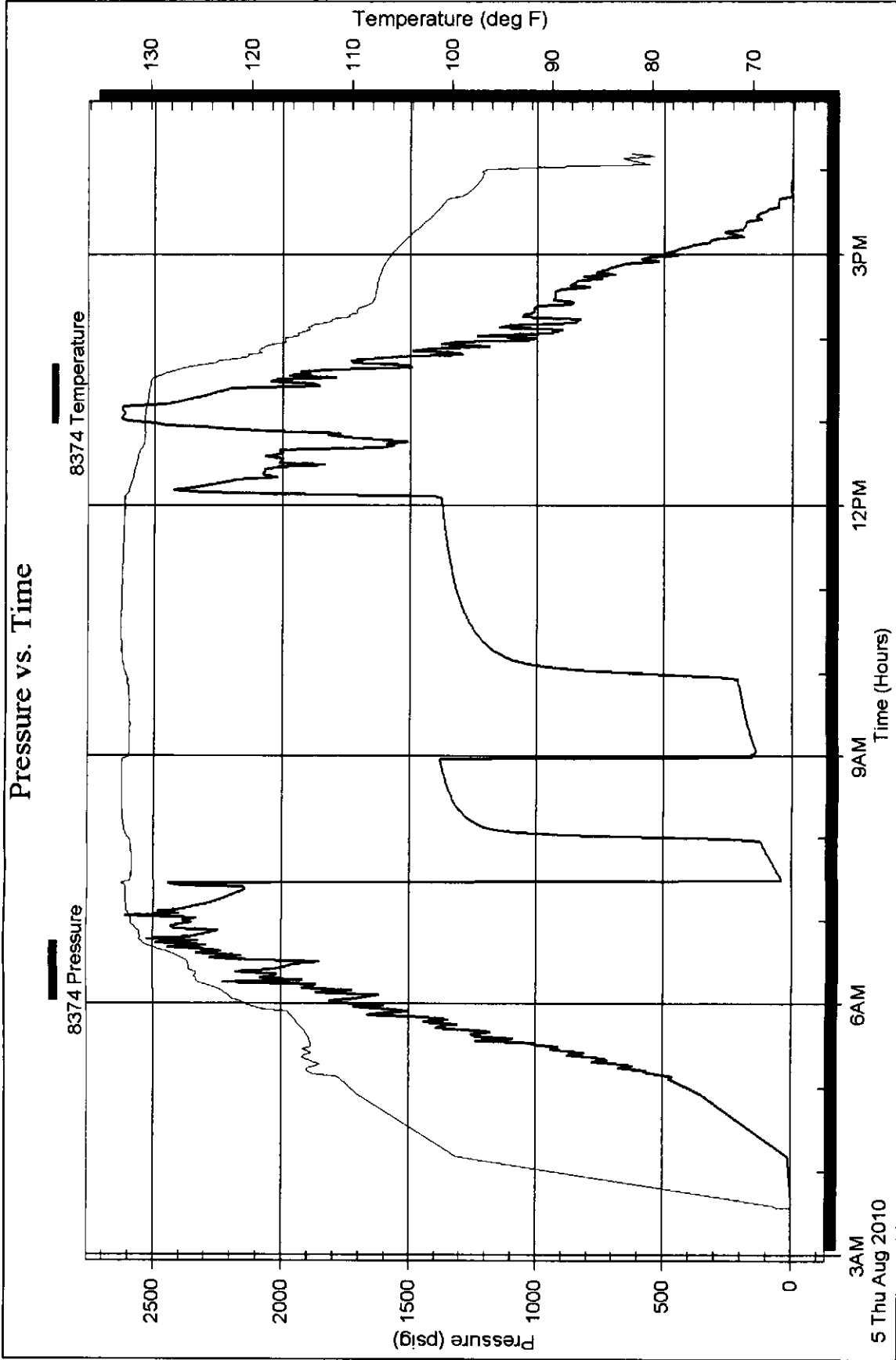
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EOG Resources, INC

Inside

Serial #: 8374

### Pressure vs. Time



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