

15-175-22177

35-31s-34w



Weatherford
Completion Systems

DRILL STEM TEST REPORT

EOG Resources, Inc.

Conover Trust 1

3817 NW Expressway STE 500 OKC, OK 73112

35/31/34

Job Ticket: 30863

DST#: 1

ATTN: Preston Heiskell

Test Start: 2009.06.12 @ 08:05:38

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:24:07
Time Test Ended: 18:54:47

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

Interval: **5550.00 ft (KB) To 5595.00 ft (KB) (TVD)**
Total Depth: 5595.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2750.00 ft (KB)
2738.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6753

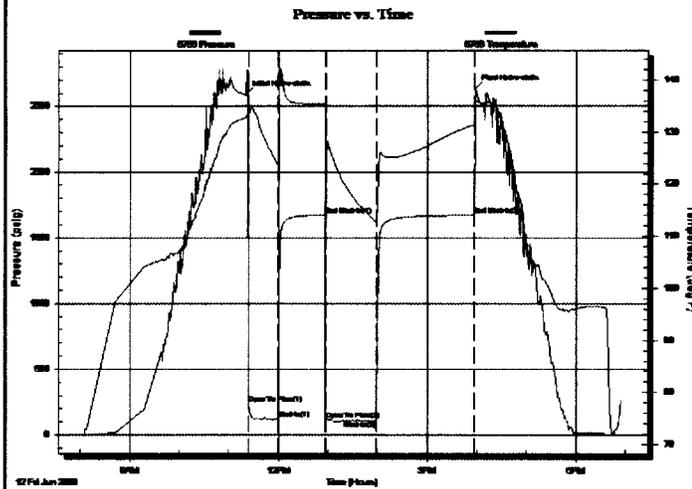
Inside

Press@RunDepth: 112.10 psig @ 5554.00 ft (KB)
Start Date: 2009.06.12 End Date: 2009.06.12
Start Time: 08:05:38 End Time: 18:54:47

Capacity: 7000.00 psig
Last Calib.: 2009.06.12
Time On Btm: 2009.06.12 @ 11:20:47
Time Off Btm: 2009.06.12 @ 15:57:57

TEST COMMENT: IF: BOB 30 sec., GTS 3 min., strong steady blow
IS: No blow back
FF: BOB GTS ASAO, strong steady blow
FS: No blow back

KCC
SEP 30 2009
CONFIDENTIAL



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2589.02	132.82	Initial Hydro-static
4	241.89	132.29	Open To Flow (1)
39	123.44	123.75	Shut-In(1)
96	1673.50	135.45	End Shut-In(1)
97	120.19	115.05	Open To Flow (2)
158	112.10	112.61	Shut-In(2)
276	1671.77	131.38	End Shut-In(2)
278	2634.41	136.06	Final Hydro-static

RECEIVED
OCT 05 2009
KCC WICHITA

Recovery

Length (ft)	Description	Volume (bbl)
90.00	gassy mud 5%G,95%M	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	14.00	443.60
Last Gas Rate	0.75	20.00	537.32
Max. Gas Rate	0.75	20.00	537.32



Weatherford[®] Completion Systems

DRILL STEM TEST REPORT

EOG Resources, Inc. **Conover Trust 1**
 3817 NW Expressway STE 500 OKC, OK 73112 **35/31/34**
 Job Ticket: 30863 **DST#: 1**
 ATTN: Preston Heiskell Test Start: 2009.06.12 @ 08:05:38

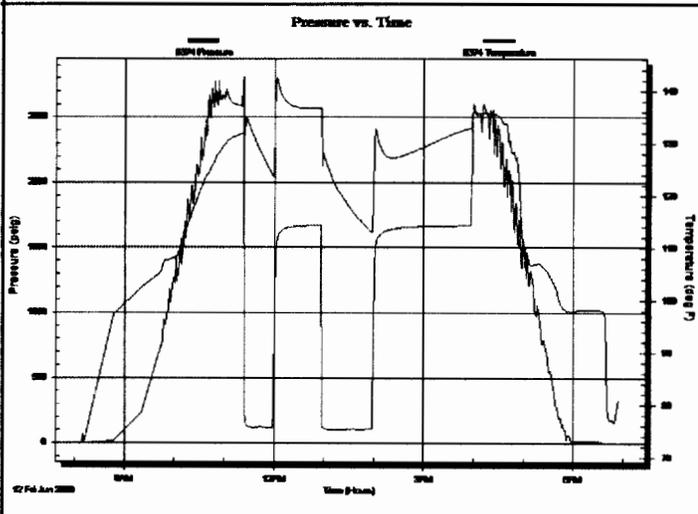
GENERAL INFORMATION:

Formation: **St. Louis**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:24:07
 Time Test Ended: 18:54:47
 Interval: **5550.00 ft (KB) To 5595.00 ft (KB) (TVD)**
 Total Depth: 5595.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chris Hagman
 Unit No: 34
 Reference Elevations: 2750.00 ft (KB)
 2738.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8374 Inside
 Press@RunDepth: psig @ 5554.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2009.06.12 End Date: 2009.06.12 Last Calib.: 2009.06.12
 Start Time: 08:09:12 End Time: 18:55:11 Time On Btm:
 Time Off Btm:

TEST COMMENT: F: BOB 30 sec., GTS 3 min., strong steady blow
 IS: No blow back
 FF: BOB GTS ASAO, strong steady blow
 FS: No blow back

KCC
SEP 3 0 2009
CONFIDENTIAL



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
			RECEIVED OCT 05 2009 KCC WICHITA

Recovery		
Length (ft)	Description	Volume (bbl)
90.00	gassy mud 5%G,95%M	0.44

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	14.00	443.60
Last Gas Rate	0.75	20.00	537.32
Max. Gas Rate	0.75	20.00	537.32



Weatherford
Completion Systems

DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources, Inc.

Conover Trust 1

3817 NW Expressway STE 500 OKC, OK 73112

35/31/34

Job Ticket: 30863

DST#: 1

ATTN: Preston Heiskell

Test Start: 2009.06.12 @ 08:05:38

Tool Information

Drill Pipe:	Length: 5156.00 ft	Diameter: 3.80 inches	Volume: 72.33 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: 95000.00 lb
			<u>Total Volume: 74.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	5550.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	76.00 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			5520.00	
Shut In Tool	5.00			5525.00	
Sampler	3.00			5528.00	
Hydraulic tool	5.00			5533.00	
Jars	5.00			5538.00	
Safety Joint	3.00			5541.00	
Packer - Shale	5.00			5546.00	
Packer	4.00			5550.00	31.00 Bottom Of Top Packer
Stubb	1.00			5551.00	
Perforations	3.00			5554.00	
Recorder	0.00	8374	Inside	5554.00	
Recorder	0.00	6753	Inside	5554.00	
Perforations	5.00			5559.00	
Change Over Sub	1.00			5560.00	
Drill Pipe	31.00			5591.00	
Change Over Sub	1.00			5592.00	
Bullnose	3.00			5595.00	45.00 Anchor Tool
Total Tool Length:	76.00				

KCC
SEP 30 2009
CONFIDENTIAL

RECEIVED
OCT 05 2009
KCC WICHITA



Weatherford
Completion Systems

DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources, Inc.

Conover Trust 1

3817 NW Expressway STE 500 OKC, OK 73112

35/31/34

Job Ticket: 30863

DST#: 1

ATTN: Preston Heiskell

Test Start: 2009.06.12 @ 08:05:38

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:	4600 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 cm ²	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	gassy mud 5%G,95%M	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: RW=1.140@80F=4600ppm
Sampler=24.8 CF Gas @ 1550psi

KCC
SEP 30 2009
CONFIDENTIAL

RECEIVED
OCT 05 2009
KCC WICHITA



DRILL STEM TEST REPORT

GAS RATES

Weatherford
Completion Systems

EOG Resources, Inc.

Conover Trust 1

3817 NW Expressway STE 500 OKC, OK 73112

35/31/34

Job Ticket: 30863

DST#: 1

ATTN: Preston Heiskell

Test Start: 2009.06.12 @ 08:05:38

Gas Rates Information

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

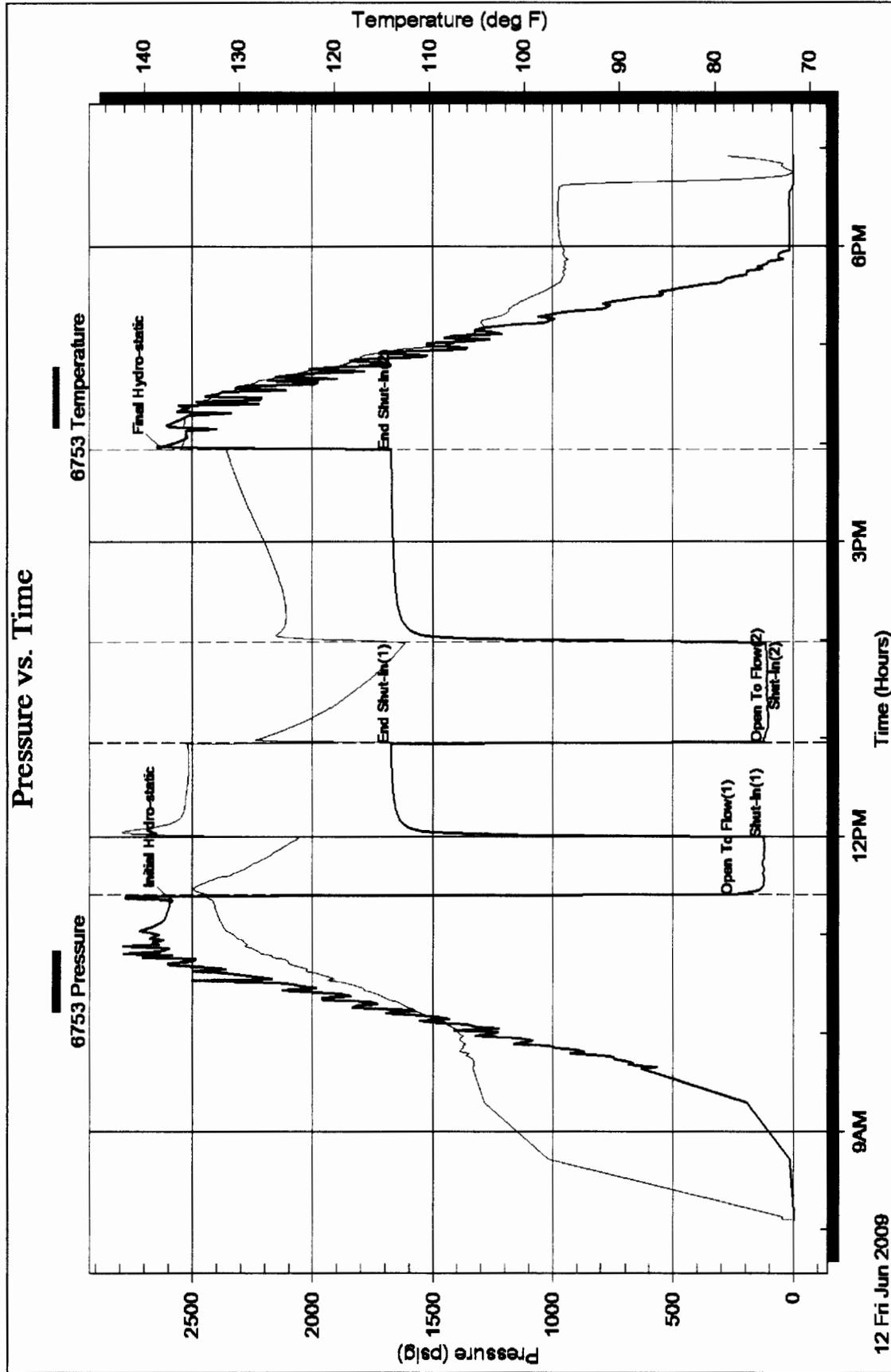
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.75	14.00	443.60
1	20	0.75	16.00	474.84
1	30	0.75	16.00	474.84
2	10	0.75	19.00	521.70
2	20	0.75	19.00	521.70
2	30	0.75	20.00	537.32
2	40	0.75	20.00	537.32
2	50	0.75	20.00	537.32
2	60	0.75	20.00	537.32
2	60	0.75	20.00	537.32

KCC
SEP 30 2009
CONFIDENTIAL

RECEIVED
OCT 05 2009
KCC WICHITA

Pressure vs. Time



KCC
SEP 30 2009
CONFIDENTIAL

RECEIVED
OCT 05 2009
KCC WICHITA

DST Test Number: 1

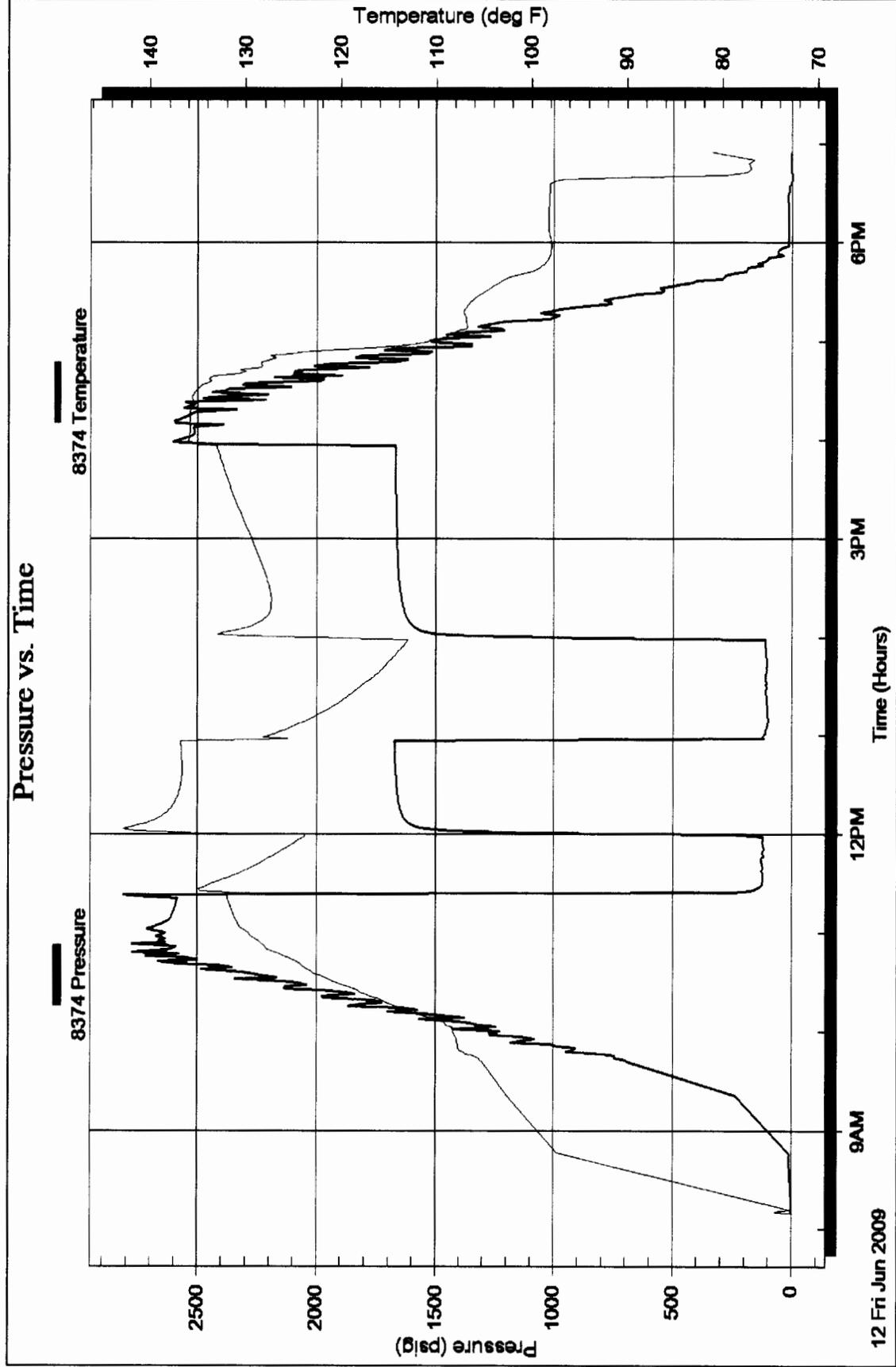
35/31/34

EOG Resources, Inc.

Inside

Serial #: 8374

Pressure vs. Time



RECEIVED
 OCT 05 2009
 KCC WICHITA
 KCC
 SEP 30 2009
 CONFIDENTIAL