

15-189-22599

27-33s-39w

EOG Resources, Inc.

Central Plains 27-1

27/33/39

DST # 1

Upper Morrow

2007.06.20



Weatherford®

Completion Systems

DRILL STEM TEST REPORT

Prepared For: **EOG Resources, Inc.**

3817 NW Expressway, Suite 500 OKC, OK
73112

ATTN: Larry Tayler

27/33/39

Central Plains 27-1

Start Date: 2007.06.20 @ 21:26:17

End Date: 2007.06.21 @ 10:21:57

Job Ticket #: 27376 DST #: 1

KCC
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RECEIVED
KANSAS CORPORATION COMMISSION

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

OCT 02 2007
CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

EOG Resources, Inc.

Central Plains 27-1

3817 NW Expressway, Suite 500 OKC, OK 73112

27/33/39

ATTN: Larry Taylor

Job Ticket: 27376

DST#: 1

Test Start: 2007.06.20 @ 21:26:17

GENERAL INFORMATION:

Formation: **Upper Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:19:11

Time Test Ended: 10:21:57

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **5705.00 ft (KB) To 5845.00 ft (KB) (TVD)**

Reference Elevations: 3253.00 ft (KB)

Total Depth: 5845.00 ft (KB) (TVD)

3241.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: **6672** Inside

Press@RunDepth: 40.90 psig @ 5707.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.06.20

End Date:

2007.06.21

Last Calib.: 1899.12.30

Start Time: 21:26:17

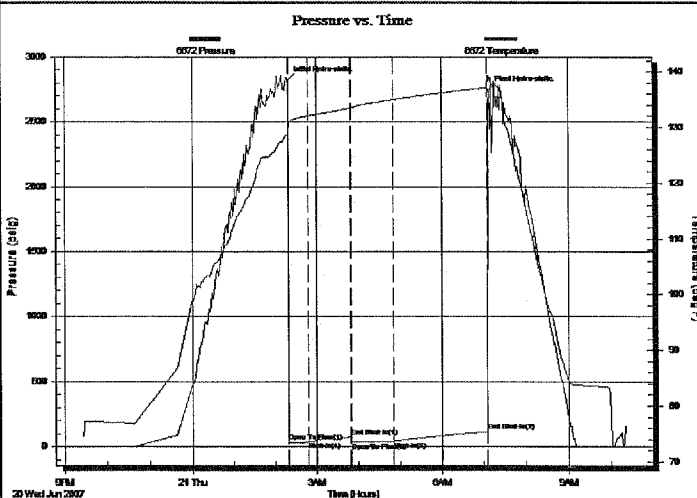
End Time:

10:21:57

Time On Btm: 2007.06.21 @ 02:18:26

Time Off Btm: 2007.06.21 @ 07:07:12

TEST COMMENT: IF: 5 inches in 30 min., fair building blow
IS: No blow back
FF: 1.5 inches in 60 min., weak steady blow
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2821.37	128.73	Initial Hydro-static
1	35.82	129.26	Open To Flow (1)
29	36.91	132.06	Shut-In(1)
91	76.42	133.48	End Shut-In(1)
92	32.83	133.43	Open To Flow (2)
152	40.90	134.97	Shut-In(2)
287	117.84	137.15	End Shut-In(2)
289	2744.57	139.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%M	0.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources, Inc.

Central Plains 27-1

3817 NW Expressway, Suite 500 OKC, OK 73112

27/33/39

Job Ticket: 27376

DST#: 1

ATTN: Larry Taylor

Test Start: 2007.06.20 @ 21:26:17

Tool Information

Drill Pipe:	Length: 5310.00 ft	Diameter: 3.80 inches	Volume: 74.49 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:	120000.0 lb
			Total Volume:	76.30 bbl	Tool Chased
					0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	86000.00 lb
Depth to Top Packer:	5705.00 ft			Final	88000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	140.00 ft				
Tool Length:	171.00 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			5675.00	
Shut In Tool	5.00			5680.00	
Sampler	3.00			5683.00	
Hydraulic tool	5.00			5688.00	
Jars	5.00			5693.00	
Safety Joint	3.00			5696.00	
Packer	5.00			5701.00	31.00 Bottom Of Top Packer
Packer	4.00			5705.00	
Stubb	1.00			5706.00	
Perforations	1.00			5707.00	
Recorder	0.00	6672	Inside	5707.00	
Perforations	9.00			5716.00	
Change Over Sub	1.00			5717.00	
Drill Pipe	124.00			5841.00	
Change Over Sub	1.00			5842.00	
Recorder	0.00	13630	Inside	5842.00	
Bullnose	3.00			5845.00	140.00 Bottom Packers & Anchor
Total Tool Length:		171.00			



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FLUID SUMMARY

EOG Resources, Inc.

Central Plains 27-1

3817 NW Expressway, Suite 500 OKC, OK 73112

27/33/39

Job Ticket: 27376

DST#: 1

ATTN: Larry Tayler

Test Start: 2007.06.20 @ 21:26:17

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:

2300 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.68 cm³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=2.28@80F=2300ppm

Sampler=4000ml mud @ 125psi

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DRILL STEM TEST REPORT

GAS RATES

EOG Resources, Inc.

Central Plains 27-1

3817 NW Expressway, Suite 500 OKC, OK 73112

27/33/39

Job Ticket: 27376

DST#: 1

ATTN: Larry Tayler

Test Start: 2007.06.20 @ 21:26:17

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 (m³/d)
		0.00	0.00	0.00

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Pressure vs. Time

