

15-189-22625

11-34s-38w



Weatherford®

Completion Systems

DRILL STEM TEST REPORT

CONFIDENTIAL
MAR 05 2008
KCC

Prepared For: **EOG Resources Inc.**

3817 NW Expressway Suite 500 Oklahoma
City Ok.

ATTN: G. Brock

11/34/38

Verna 11-5

Start Date: 2007.11.16 @ 04:30:00

End Date: 2007.11.16 @ 15:21:30

Job Ticket #: 27194 DST #: 1

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

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 07 2008

CONSERVATION DIVISION
WICHITA, KS



Weatherford® Completion Systems

DRILL STEM TEST REPORT

EOG Resources Inc.

Verna 11-5

3817 NW Expressway Suite 500 Oklahoma City
Ok.

11/34/38

Job Ticket: 27194

DST#: 1

ATTN: G. Brock

Test Start: 2007.11.16 @ 04:30:00

GENERAL INFORMATION:

Formation: **St. Louis B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:52:45

Time Test Ended: 15:21:30

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **6539.00 ft (KB) To 6576.00 ft (KB) (TVD)**

Reference Elevations: 3204.00 ft (KB)

Total Depth: 6576.00 ft (KB) (TVD)

3192.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6751

Press@RunDepth: 31.40 psig @ ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.11.16 End Date: 2007.11.16

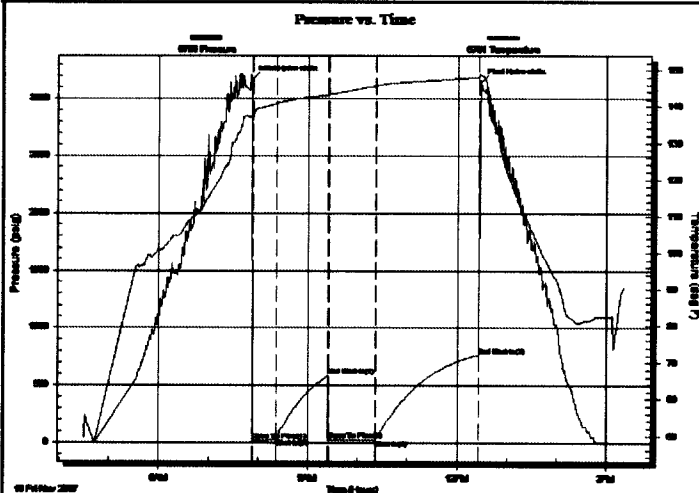
Last Calib.: 1899.12.30

Start Time: 04:30:01 End Time: 15:21:30

Time On Btm: 2007.11.16 @ 07:52:00

Time Off Btm: 2007.11.16 @ 12:28:15

TEST COMMENT: F- Weak building blow BOB 30min.
IS- No blow back.
FF- Weak building blow BOB 17min, NO GTS.
FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3159.65	137.66	Initial Hydro-static
1	24.29	136.51	Open To Flow (1)
30	39.18	140.88	Shut-in(1)
93	588.05	143.20	End Shut-in(1)
93	25.07	143.33	Open To Flow (2)
150	31.40	145.66	Shut-in(2)
274	765.45	148.05	End Shut-in(2)
277	3142.15	148.47	Final Hydro-static

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Reference Elevations: 3204.00 ft (KB)

Total Depth: 6576.00 ft (KB) (TVD)

3192.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8355

Press@RunDepth: psig @ ft (KB)

Start Date: 2007.11.16 End Date: 2007.11.16

Capacity: 7000.00 psig

Start Time: 04:30:01 End Time: 15:21:00

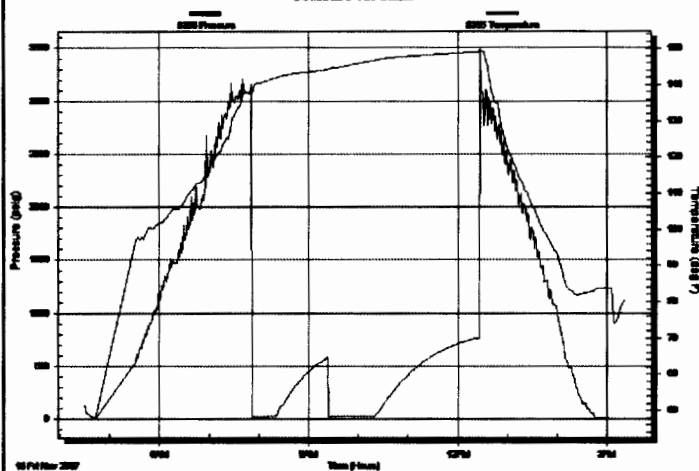
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF- Weak building blow BOB 30min.
IS- No blow back.
FF- Weak building blow BOB 17min, NO GTS.
FS- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

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

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

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (M cfd)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources Inc.

Verna 11-5

3817 NW Expressway Suite 500 Oklahoma City
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11/34/38

Job Ticket: 27194

DST#: 1

ATTN: G. Brock

Test Start: 2007.11.16 @ 04:30:00

Tool Information

Drill Pipe:	Length: 6245.00 ft	Diameter: 3.80 inches	Volume: 87.60 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: 278.00 ft	Diameter: 2.24 inches	Volume: 1.36 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume:	88.96 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	6539.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	68.00 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	2.00			6510.00	
Shut In Tool	5.00			6515.00	
Sampler	3.00			6518.00	
Hydraulic tool	5.00			6523.00	
Jars	5.00			6528.00	
Safety Joint	2.00			6530.00	
Packer	5.00			6535.00	31.00 Bottom Of Top Packer
Packer	4.00			6539.00	
Stubb	1.00			6540.00	
Perforations	1.00			6541.00	
Perforations	31.00			6572.00	
Bullnose	4.00			6576.00	37.00 Bottom Packers & Anchor

Total Tool Length: 68.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources Inc.

Verna 11-5

3817 NW Expressway Suite 500 Oklahoma City
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Job Ticket: 27194

DST#: 1

ATTN: G. Brock

Test Start: 2007.11.16 @ 04:30:00

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.98 cm³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% mud	0.146

Total Length: 30.00 ft Total Volume: 0.146 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- 5 CFD gas 2000ML 100% mud @ 750 PSI



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DRILL STEM TEST REPORT

GAS RATES

EOG Resources Inc.

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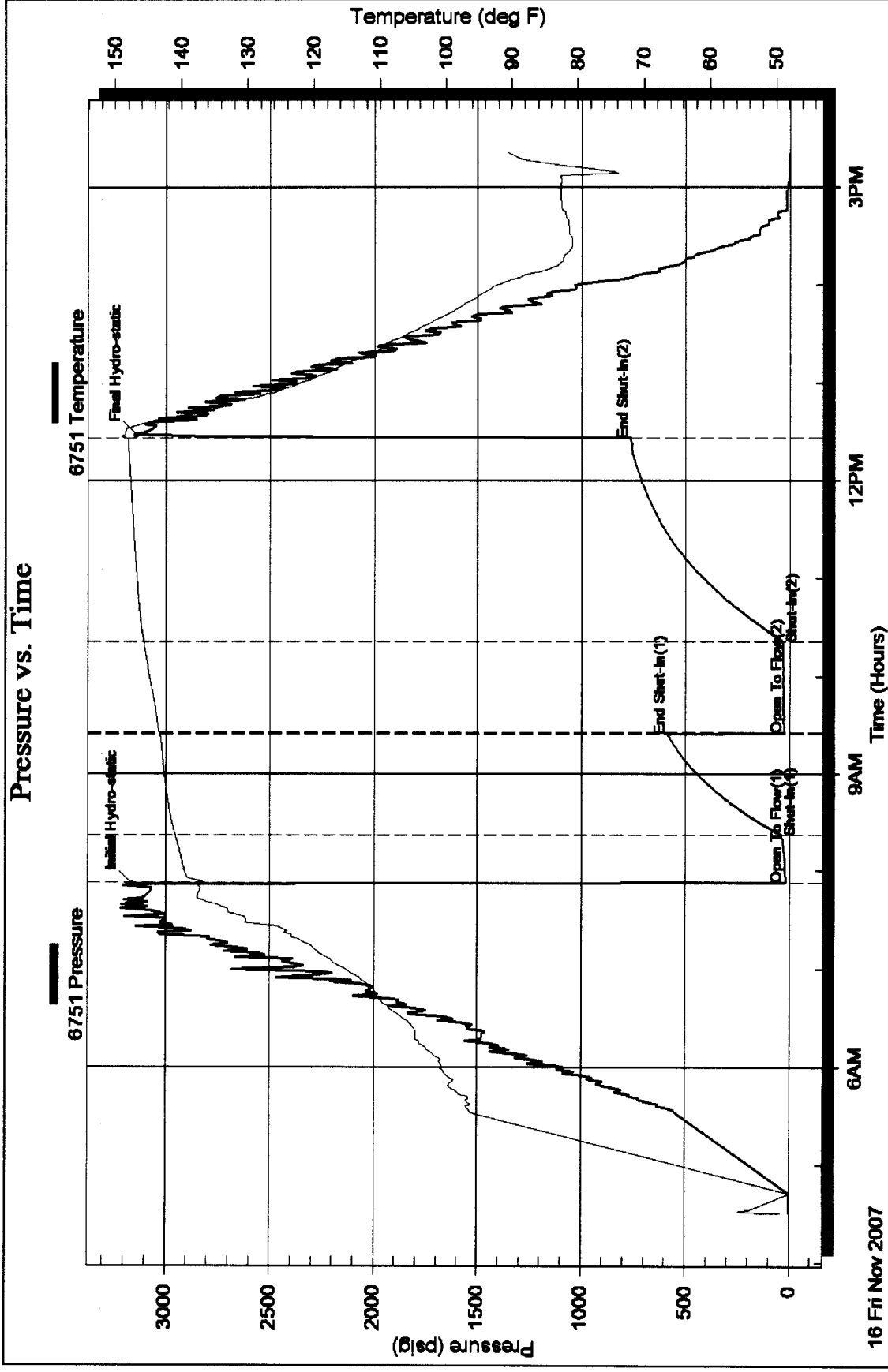
Gas Rates Information

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 ³ /d)
		0.00	0.00	0.00

Pressure vs. Time



Serial #: 8355

EOG Resources Inc.

11/34/38

DST Test Number: 1

Pressure vs. Time

