

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc**

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Larry

11 34 38 Stevens KS

Verna 11 #3

Start Date: 2007.04.25 @ 09:00:22

End Date: 2007.04.25 @ 20:27:37

Job Ticket #: 24498 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



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TESTING, INC.

DRILL STEM TEST REPORT

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Test Start: 2007.04.25 @ 09:00:22

GENERAL INFORMATION:

Formation: **Lorrow Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:05:37

Time Test Ended: 20:27:37

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **6253.00 ft (KB) To 6292.00 ft (KB) (TVD)**

Total Depth: 6292.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: ft (KB)

ft (CF)

KB to GR/CF: ft

Serial #: 6751

Press@RunDepth: 622.37 psig @ 6254.00 ft (KB)

Start Date: 2007.04.25

End Date:

2007.04.25

Start Time: 09:00:23

End Time:

20:27:37

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2007.04.25 @ 12:03:37

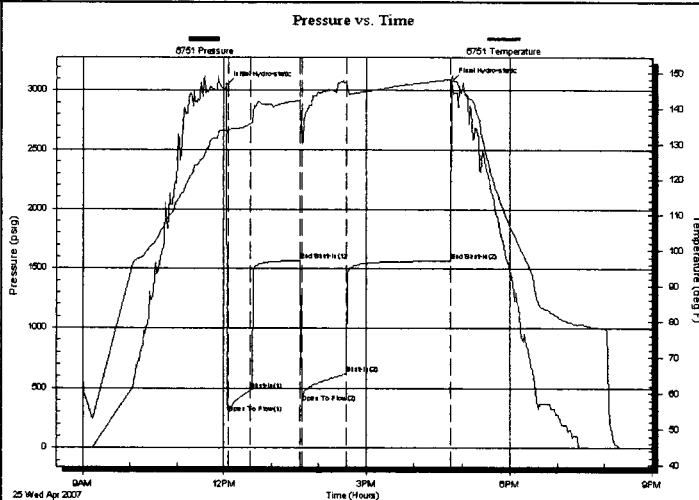
Time Off Btm: 2007.04.25 @ 16:46:52

TEST COMMENT: IF Strong blow BOB ASAO GTS 3.5 min.

ISI Weak blow back

FF Strong blow BOB GTS ASAO

FSI Weak blow back



PRESSURE SUMMARY

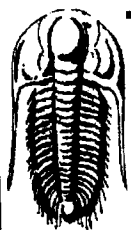
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3044.80	133.86	Initial Hydro-static
2	289.92	133.56	Open To Flow (1)
31	481.54	135.68	Shut-In (1)
94	1568.26	142.21	End Shut-In (1)
95	380.48	129.92	Open To Flow (2)
151	622.37	147.58	Shut-In (2)
283	1566.82	148.00	End Shut-In (2)
284	3077.36	148.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	50%G 50%O no gravity to light Con	3.36
270.00	100%W	3.79

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	24.00	1103.95
Last Gas Rate	1.00	49.00	1822.68
Max. Gas Rate	1.00	49.00	1822.68



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TOOL DIAGRAM

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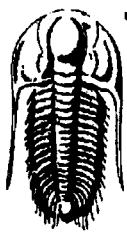
Test Start: 2007.04.25 @ 09:00:22

Tool Information

Drill Pipe:	Length: 5882.00 ft	Diameter: 3.80 inches	Volume: 82.51 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: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume:	84.33 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 95000.00 lb
Depth to Top Packer:	6253.00 ft			Final 100000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	70.00 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			6224.00	
Shut In Tool	5.00			6229.00	
Sampler	3.00			6232.00	
Hydraulic tool	5.00			6237.00	
Jars	5.00			6242.00	
Safety Joint	2.00			6244.00	
Packer	5.00			6249.00	31.00 Bottom Of Top Packer
Packer	4.00			6253.00	
Stubb	1.00			6254.00	
Recorder	0.00	6751		6254.00	
Change Over Sub	1.00			6255.00	
Drill Pipe	32.00			6287.00	
Change Over Sub	1.00			6288.00	
Recorder	0.00	11018	Outside	6288.00	
Bullnose	4.00			6292.00	39.00 Bottom Packers & Anchor

Total Tool Length: 70.00



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FLUID SUMMARY

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DST#: 1

Test Start: 2007.04.25 @ 09:00:22

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	50%G 50%O no gravity to light Con	3.363
270.00	100%W	3.787

Total Length: 750.00 ft Total Volume: 7.150 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

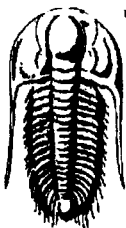
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data-1400PSI; 1000MLSW, 5CU per day;

RW=0.200@48F 55000 Chlorides



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GAS RATES

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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 (m³/d)
1	10	1.00	24.00	1103.95
1	10	1.00	24.00	1103.95
1	20	1.00	35.00	1420.19
1	30	1.00	40.00	1563.94
2	10	1.00	41.00	1592.68
2	20	1.00	45.00	1707.68
2	30	1.00	48.00	1793.93
2	40	1.00	49.00	1822.68

Serial #: 6751

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Pressure vs. Time

