

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc**

3817 NW Expressway Ste 500 Oklahoma
City OK 73112

ATTN: John McLead

14 31 36W Stevens KS

Joyce 14 #1

Start Date: 2007.02.16 @ 02:37:55

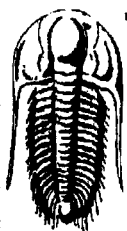
End Date: 2007.02.16 @ 15:27:55

Job Ticket #: 25775 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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**TRILOBITE
TESTING, INC**

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Job Ticket: 25775

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Test Start: 2007.02.16 @ 02:37:55

GENERAL INFORMATION:

Formation: **Atoka Novi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:29:55

Time Test Ended: 15:27:55

Test Type: Conventional Bottom Hole

Tester: Delton Brown

Unit No: 20

Interval: **5300.00 ft (KB) To 5435.00 ft (KB) (TVD)**

Total Depth: 5435.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 3054.00 ft (KB)

3042.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6625

Inside

Press@RunDepth: 101.58 psig @ 5301.00 ft (KB)

Start Date: 2007.02.16

End Date:

2007.02.16

Capacity:

7000.00 psig

Start Time: 02:37:56

End Time:

15:27:55

Last Calib.:

1899.12.30

Time On Btm:

2007.02.16 @ 07:28:10

Time Off Btm:

2007.02.16 @ 11:58:25

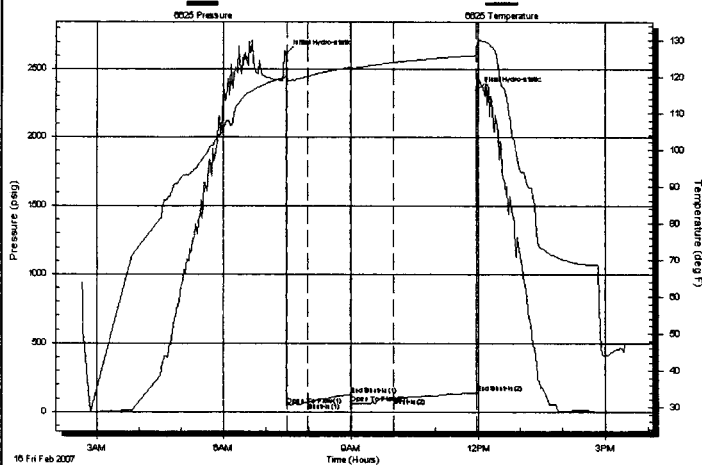
TEST COMMENT: IF Weak dieing blow 1 " in to bucket died after 25 min.

ISI No return blow

FF Weak surface blow blow died after 30 sec.

FSI No return blow

Pressure vs. Time



PRESSURE SUMMARY

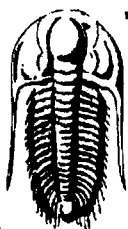
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2610.74	119.98	Initial Hydro-static
2	49.41	118.69	Open To Flow (1)
31	69.02	120.20	Shut-In (1)
91	127.86	122.56	End Shut-In (1)
92	61.46	122.30	Open To Flow (2)
151	101.58	123.91	Shut-In (2)
270	140.39	125.93	End Shut-In (2)
271	2344.96	127.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
103.00	Oil spot Muddy Water 90%W 10%M	0.51

Gas Rates

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

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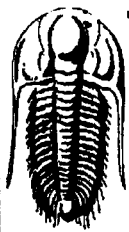
Test Start: 2007.02.16 @ 02:37:55

Tool Information

Drill Pipe:	Length: 4927.00 ft	Diameter: 3.80 inches	Volume: 69.11 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: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose:	104000.0 lb
		Total Volume:	70.94 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	92000.00 lb
Depth to Top Packer:	5300.00 ft			Final	98000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	135.00 ft				
Tool Length:	165.00 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			5271.00		
Shut In Tool	5.00			5276.00		
Sampler	2.00			5278.00		
Hydraulic tool	5.00			5283.00		
Jars	5.00			5288.00		
Safety Joint	2.00			5290.00		
Change Over Sub	1.00			5291.00		
Packer	5.00		Fluid	5296.00	30.00	Bottom Of Top Packer
Packer	4.00			5300.00		
Stubb	1.00			5301.00		
Recorder	0.00	6625	Inside	5301.00		
Perforations	1.00			5302.00		
Change Over Sub	1.00			5303.00		
Drill Pipe	123.00			5426.00		
Change Over Sub	1.00			5427.00		
Perforations	5.00			5432.00		
Recorder	0.00	13761	Inside	5432.00		
Bullnose	3.00			5435.00	135.00	Bottom Packers & Anchor

Total Tool Length: 165.00



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FLUID SUMMARY

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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:

4400 ppm

Viscosity: 39.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
103.00	Oil spot Muddy Water 90%W 10%M	0.507

Total Length: 103.00 ft Total Volume: 0.507 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=1.80@54F=4400ppm

Pressure vs. Time

