

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Lotus Operating Co**

100 S Main Ste 420
Wichita KS 67202

ATTN: Joe Baker

22 29S 15W Pratt KS

Hirt # 1

Start Date: 2007.04.12 @ 22:15:50

End Date: 2007.04.13 @ 08:52:50

Job Ticket #: 27904 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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Test Start: 2007.04.12 @ 22:15:50

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:30:05

Time Test Ended: 08:52:50

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 24

Interval: **4562.00 ft (KB) To 4620.00 ft (KB) (TVD)**

Total Depth: 4620.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1974.00 ft (KB)

1961.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6752 Inside

Press@RunDepth: 111.93 psig @ 4563.00 ft (KB)

Start Date: 2007.04.12

End Date:

2007.04.13

Capacity: 7000.00 psig

Last Calib.: 2007.04.13

Start Time: 22:15:55

End Time:

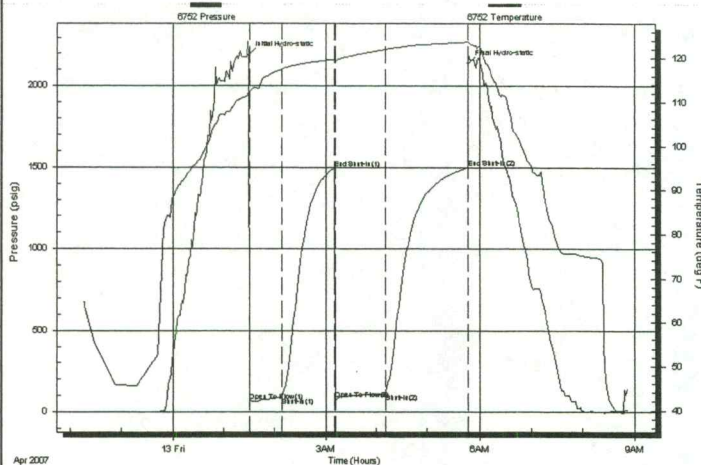
08:52:50

Time On Btm: 2007.04.13 @ 01:29:20

Time Off Btm: 2007.04.13 @ 05:46:49

TEST COMMENT: IF Strong Blow BOB in 22 minutes
ISI Bled Off No Blow back
FF Strong Blow BOB in 3 minutes
FSI Bled Off No Blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2188.57	112.55	Initial Hydro-static
1	66.84	112.40	Open To Flow (1)
40	90.92	117.45	Shut-In (1)
101	1494.81	119.67	End Shut-In (1)
102	76.53	119.32	Open To Flow (2)
162	111.93	121.98	Shut-In (2)
257	1498.30	123.71	End Shut-In (2)
258	2138.21	123.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3540 feet GIP	0.00
236.00	GSY SOCM 10%G 5%O 85%M	1.71

Gas Rates

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

Lotus Operating Co

100 S Main Ste 420
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DST#: 1

Test Start: 2007.04.12 @ 22:15:50

Tool Information

Drill Pipe:	Length: 4377.00 ft	Diameter: 3.80 inches	Volume: 61.40 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 3.25 inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4562.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	58.00 ft				
Tool Length:	82.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			4539.00	
Change Over Sub	1.00			4540.00	
Shut In Tool	5.00			4545.00	
Hydraulic tool	5.00			4550.00	
Safety Joint	3.00			4553.00	
Packer	5.00			4558.00	24.00 Bottom Of Top Packer
Packer	4.00			4562.00	
Stubb	1.00			4563.00	
Recorder	0.00	6752	Inside	4563.00	
Perforations	11.00			4574.00	
Drill Pipe	32.00			4606.00	
Perforations	11.00			4617.00	
Recorder	0.00	6704	Outside	4617.00	
Bullnose	3.00			4620.00	58.00 Bottom Packers & Anchor

Total Tool Length: 82.00



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FLUID SUMMARY

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Job Ticket: 27904

DST#: 1

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 5500.00 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
0.00	3540 feet GIP	0.000
236.00	GSY SOCM 10%G 5%O 85%M	1.707

Total Length: 236.00 ft

Total Volume: 1.707 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

22 29S 15W Pratt KS

Lotus Operating Co

Inside

Serial #: 6752

Pressure vs. Time

