



DRILL STEM TEST REPORT

Prepared For: **Lotus Operating Co**

100 S Main Ste 420
Wichita KS 67202

ATTN: Joe Baker

15 29 15 Pratt KS

Hirt "B" #1

Start Date: 2007.07.23 @ 19:26:06

End Date: 2007.07.24 @ 04:36:06

Job Ticket #: 28805 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Lotus Operating Co

Hirt "B" #1

15 29 15 Pratt KS

DST # 1

Miss. Chert

2007.07.23



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DRILL STEM TEST REPORT

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15 29 15 Pratt KS

Job Ticket: 28805

DST#: 1

Test Start: 2007.07.23 @ 19:26:06

GENERAL INFORMATION:

Formation: **Miss. Chert**

Deviated: No Whipstock: ft (CF)

Time Tool Opened: 21:46:46

Time Test Ended: 04:36:06

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **4572.00 ft (CF) To 4630.00 ft (CF) (TVD)**

Total Depth: 4630.00 ft (CF) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1990.00 ft (KB)

1979.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **8289**

Inside

Press@RunDepth: 28.42 psig @ 4578.50 ft (CF)

Start Date: 2007.07.23

End Date:

2007.07.24

Start Time: 19:26:11

End Time:

04:36:06

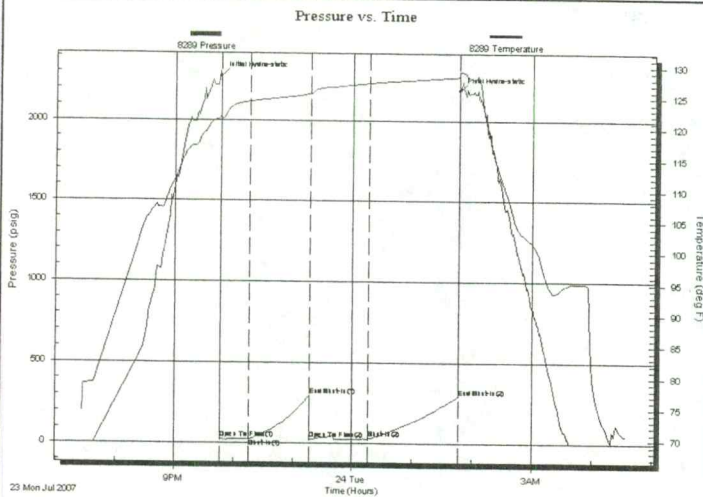
Capacity: 7000.00 psig

Last Calib.: 2007.07.24

Time On Btm: 2007.07.23 @ 21:46:36

Time Off Btm: 2007.07.24 @ 01:46:05

TEST COMMENT: IF Weak 1 1/2 in. blow
ISI No blow
FF Weak 3 in blow
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2269.88	122.27	Initial Hydro-static
1	24.06	121.30	Open To Flow (1)
29	25.93	124.34	Shut-In(1)
91	292.38	125.66	End Shut-In(1)
91	27.98	125.59	Open To Flow (2)
150	28.42	127.32	Shut-In(2)
240	289.27	128.37	End Shut-In(2)
240	2184.63	129.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 2%O 98%M	0.42
0.00		0.00

Gas Rates

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



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TOOL DIAGRAM

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Test Start: 2007.07.23 @ 19:26:06

Tool Information

Drill Pipe:	Length: 4560.00 ft	Diameter: 3.80 inches	Volume: 63.96 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 63.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4572.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4551.00	
Shut In Tool	5.00			4556.00	
Hydraulic tool	5.00			4561.00	
Safety Joint	2.00			4563.00	
Packer	4.00			4567.00	22.00 Bottom Of Top Packer
Packer	5.00			4572.00	
Stubb	1.00			4573.00	
Perforations	5.00			4578.00	
Change Over Sub	0.50			4578.50	
Recorder	0.00	8289	Inside	4578.50	
Blank Spacing	31.00			4609.50	
Change Over Sub	0.50			4610.00	
Perforations	15.00			4625.00	
Recorder	0.00	13789	Outside	4625.00	
Bullnose	5.00			4630.00	58.00 Bottom Packers & Anchor

Total Tool Length: 80.00



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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 5500.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 2%O 98%M	0.421
0.00		0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

