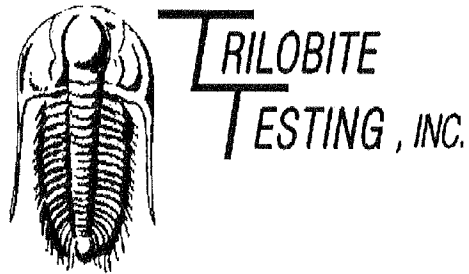


15-189-22688

9-35s-35w

IND



DRILL STEM TEST REPORT

Prepared For: **Midwestern Exploration**

3500 S. Boulevard Suite 28 Edmond OK 73013

ATTN: Tom Williams

9 35 35 Stevens KS

Hall #1-9

Start Date: 2009.11.23 @ 01:00:00

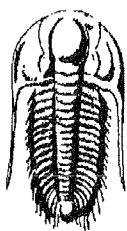
End Date: 2009.11.23 @ 13:52:19

Job Ticket #: 37581 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Midwestern Exploration

Hall #1-9

3500 S. Boulevard Suite 28 Edmond OK 73013

9 35 35 Stevens KS

ATTN: Tom Williams

Job Ticket: 37581

DST#: 1

Test Start: 2009.11.23 @ 01:00:00

GENERAL INFORMATION:

Formation: **Chester Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:57:10

Time Test Ended: 13:52:19

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **6573.00 ft (KB) To 6650.00 ft (KB) (TVD)**

Reference Elevations: 3004.00 ft (KB)

Total Depth: 6650.00 ft (KB) (TVD)

2992.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8355 Inside

Press@RunDepth: 41.27 psig @ 6575.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.11.23

End Date:

2009.11.23

Last Calib.: 2009.11.23

Start Time: 01:00:05

End Time:

13:52:20

Time On Btm: 2009.11.23 @ 04:56:40

Time Off Btm: 2009.11.23 @ 09:30:39

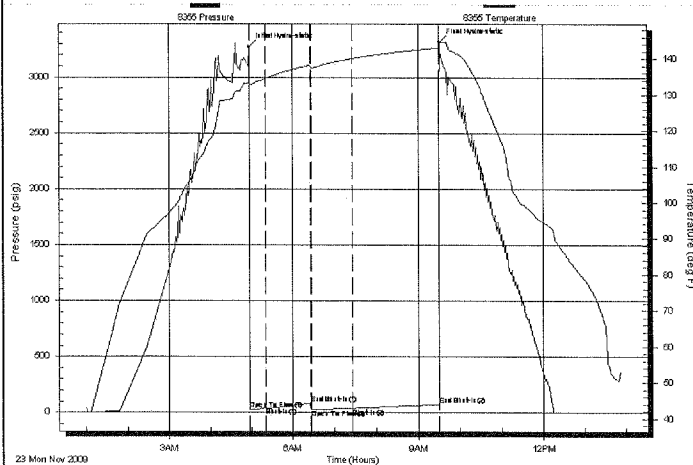
TEST COMMENT: IF- Weak building blow 1" in bucket.

ISI- No blow back.

FF- No blow .

FSI- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

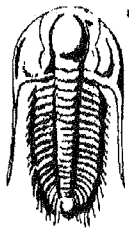
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3271.98	133.44	Initial Hydro-static
1	25.95	132.73	Open To Flow (1)
23	45.56	134.43	Shut-In(1)
89	83.72	138.19	End Shut-In(1)
91	27.60	137.61	Open To Flow (2)
149	41.27	140.07	Shut-In(2)
274	73.48	143.11	End Shut-In(2)
274	3315.88	144.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud trace of oil 0-1% oil	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Midwestern Exploration

Hall #1-9

3500 S. Boulevard Suite 28 Edmond OK 73013

9 35 35 Stevens KS

Job Ticket: 37581

DST#: 1

ATTN: Tom Williams

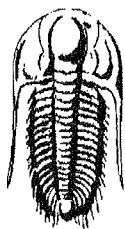
Test Start: 2009.11.23 @ 01:00:00

Tool Information

Drill Pipe:	Length: 6304.00 ft	Diameter: 3.80 inches	Volume: 88.43 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: 269.00 ft	Diameter: 2.25 inches	Volume: 1.32 bbl	Weight to Pull Loose: 120000.0 lb
		Total Volume: 89.75 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 94000.00 lb
Depth to Top Packer:	6573.00 ft			Final 94000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	105.00 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			6546.00	
Shut In Tool	5.00			6551.00	
Hydraulic tool	5.00			6556.00	
Jars	5.00			6561.00	
Safety Joint	3.00			6564.00	
Packer	5.00			6569.00	28.00 Bottom Of Top Packer
Packer	4.00			6573.00	
Stubb	1.00			6574.00	
Perforations	1.00			6575.00	
Recorder	0.00	8355	Inside	6575.00	
Recorder	0.00	6773	Inside	6575.00	
Change Over Sub	1.00			6576.00	
Drill Pipe	62.00			6638.00	
Change Over Sub	1.00			6639.00	
Perforations	8.00			6647.00	
Bullnose	3.00			6650.00	77.00 Bottom Packers & Anchor
Total Tool Length:		105.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Midwestern Exploration

Hall #1-9

3500 S. Boulevard Suite 28 Edmond OK 73013

9 35 35 Stevens KS

Job Ticket: 37581

DST#: 1

ATTN: Tom Williams

Test Start: 2009.11.23 @ 01:00:00

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.98 in³

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
15.00	100% mud trace of oil 0-1% oil	0.074

Total Length:

15.00 ft

Total Volume:

0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

