

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Edison Oper. Co. LLC.

31-24s.-13w.

9427 E. Cross Creek
Wichita, KS 67206

Barbara 1-31

Job Ticket: 49711

DST#: 1

ATTN: Derek Patterson

Test Start: 2012.12.21 @ 11:35:23

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:26:38

Time Test Ended: 21:09:53

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Reynolds

Unit No: 63

Interval: 4007.00 ft (KB) To 4102.00 ft (KB) (TVD)

Total Depth: 4102.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1958.00 ft (KB)

1948.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8790

Press@RunDepth: 293.13 psig @ ft (KB)

Start Date: 2012.12.21

End Date:

2012.12.21

Start Time: 11:35:28

End Time:

21:09:53

Capacity: 8000.00 psig

Last Calib.: 2012.12.21

Time On Btm: 2012.12.21 @ 14:26:08

Time Off Btm: 2012.12.21 @ 17:38:38

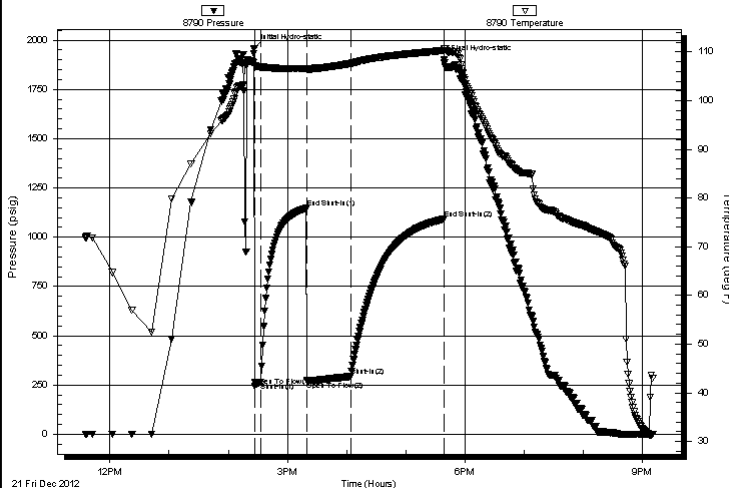
TEST COMMENT: IF: Weak blow . 1/2" - 3"

ISl: No blow

FF: Strong blow . BOB 18min. No GTS.

FSl: Strong blow . 1/2" - 13" BB

Pressure vs. Time



PRESSURE SUMMARY

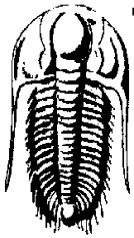
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.17	107.75	Initial Hydro-static
1	243.61	107.13	Open To Flow (1)
7	263.83	106.83	Shut-In(1)
53	1147.50	106.62	End Shut-In(1)
54	271.06	106.37	Open To Flow (2)
98	293.13	107.60	Shut-In(2)
193	1091.59	110.26	End Shut-In(2)
193	1899.07	110.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OGCM 2%oil, 5%gas, 93%mud	0.84
150.00	SLI OGCM Trc%oil, 2%gas, 98%mud	2.10
440.00	Mud 100%mud	6.17

Gas Rates

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

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.19 in³

Resistivity: ohm.m

Salinity: 7200.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

7200 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OGCM 2%oil, 5%gas, 93%mud	0.842
150.00	SLI OGCM Trc%oil, 2%gas, 98%mud	2.104
440.00	Mud 100%mud	6.172

Total Length: 650.00 ft

Total Volume: 9.118 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

