



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning & Nelson Oil Co.

Keller Trust #1-20

PO Box 1019
Hays, KS. 67601

22-22s-22w-Pawnee

ATTN: Marc Dow ning

Job Ticket: 43531

DST#: 2

Test Start: 2011.06.29 @ 11:55:40

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:01:10

Time Test Ended: 17:56:40

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 54

Interval: 4344.00 ft (KB) To 4354.00 ft (KB) (TVD)

Reference Elevations: 2203.00 ft (KB)

Total Depth: 4354.00 ft (KB) (TVD)

2195.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6755 Inside

Press @ Run Depth: 39.07 psig @ 4347.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.29 End Date: 2011.06.29

Last Calib.: 2011.06.29

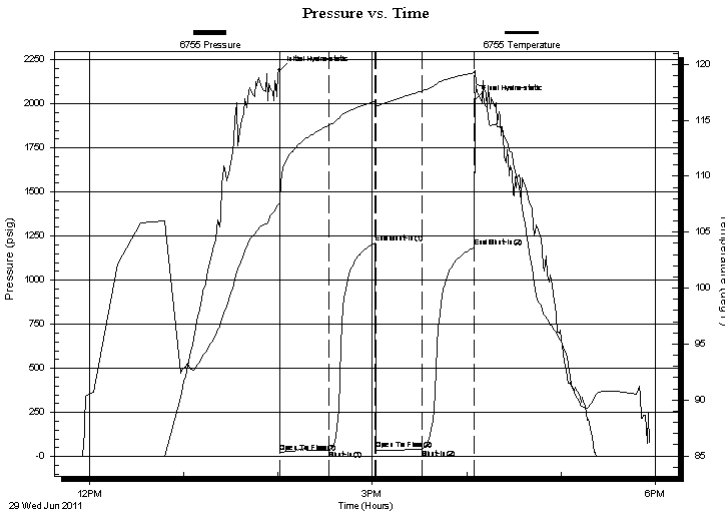
Start Time: 11:55:42 End Time: 17:56:40

Time On Btm: 2011.06.29 @ 14:00:55

Time Off Btm: 2011.06.29 @ 16:05:25

TEST COMMENT: IFP-Weak,Built to 1-3/4"
ISI-Dead
FFP-Weak,Built to 1-1/2"
FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2188.95	107.60	Initial Hydro-static
1	22.28	107.93	Open To Flow (1)
32	33.80	114.59	Shut-In(1)
61	1211.11	116.70	End Shut-In(1)
62	38.64	116.26	Open To Flow (2)
91	39.07	117.61	Shut-In(2)
124	1186.19	119.26	End Shut-In(2)
125	2023.97	119.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM-15%O-85%M	0.10
5.00	Free Oil	0.02

Gas Rates

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



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FLUID SUMMARY

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DST#: 2

ATTN: Marc Downing

Test Start: 2011.06.29 @ 11:55:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	OCM-15%O-85%M	0.098
5.00	Free Oil	0.025

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

