



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

Basil #1-30

P.O. Box 372
Hays, Ks 67601

30/20S/20W-Pawnee

Job Ticket: 41841

DST#: 1

ATTN: Marc Dow ning

Test Start: 2011.02.16 @ 13:19:47

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:13:47

Time Test Ended: 20:47:17

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 44

Interval: 4307.00 ft (KB) To 4353.00 ft (KB) (TVD)

Reference Elevations: 2198.00 ft (KB)

Total Depth: 4353.00 ft (KB) (TVD)

2191.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 323.15 psig @ 4313.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.16 End Date: 2011.02.16

Last Calib.: 2011.02.16

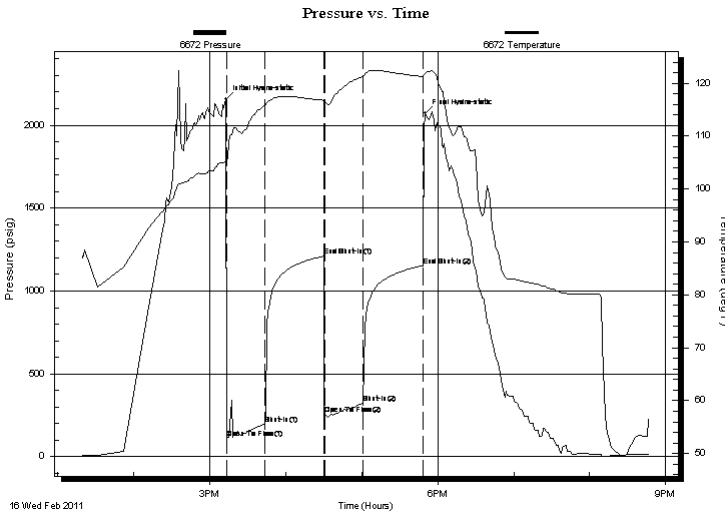
Start Time: 13:19:47 End Time: 20:47:16

Time On Btm: 2011.02.16 @ 15:12:46

Time Off Btm: 2011.02.16 @ 17:50:16

TEST COMMENT: IF- Fair building blow . BOB in 7 minutes 20 seconds.
ISI-Return @ 45 seconds. Built to 4 inches.
FF-Strong-fair building blow . BOB in 5 minutes.
FSI-Return @ 30 seconds. Built to 1&1/2 inches.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.17	105.28	Initial Hydro-static
1	112.12	105.38	Open To Flow (1)
31	198.17	115.85	Shut-In(1)
77	1209.92	116.78	End Shut-In(1)
78	256.34	116.35	Open To Flow (2)
109	323.15	121.32	Shut-In(2)
156	1153.63	121.23	End Shut-In(2)
158	2072.36	121.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
217.00	50%Oil/40%Mud/10%Gas	2.76
558.00	50%Oil/45%Gas/5%Mud	7.83
0.00	310' G.I.P.	0.00

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
217.00	50%Oil/40%Mud/10%Gas	2.762
558.00	50%Oil/45%Gas/5%Mud	7.827
0.00	310' G.I.P.	0.000

Total Length: 775.00 ft

Total Volume: 10.589 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

