



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co Inc

Robert Nickelson 1-27

PO Box 1019
Hays, Ks 67601

27-9-24 Graham, Ks

ATTN: Marc Dow ning

Job Ticket: 44153

DST#: 1

Test Start: 2011.07.26 @ 06:06:31

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:38:01

Time Test Ended: 11:47:31

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3859.00 ft (KB) To 3882.00 ft (KB) (TVD)

Reference Elevations: 2477.00 ft (KB)

Total Depth: 3882.00 ft (KB) (TVD)

2470.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 217.76 psig @ 3867.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.26

End Date: 2011.07.26

Last Calib.: 2011.07.26

Start Time: 06:06:32

End Time: 11:47:31

Time On Btm: 2011.07.26 @ 07:36:31

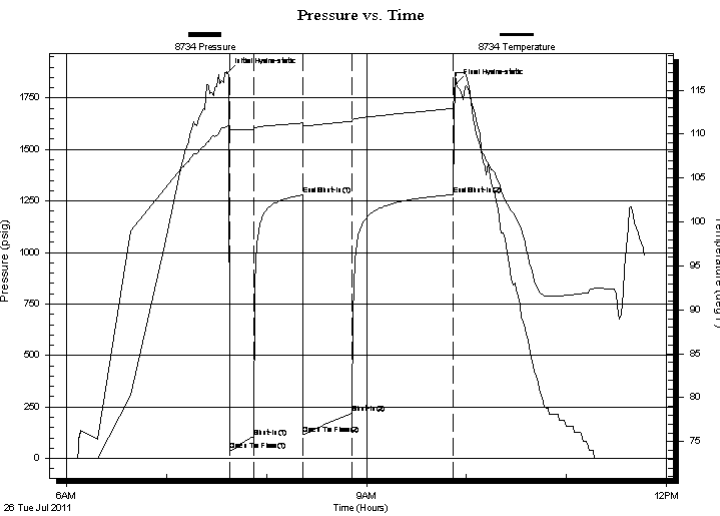
Time Off Btm: 2011.07.26 @ 09:54:01

TEST COMMENT: IFP - BOB 45 sec

ISI - BOB 13 min

FFP - BOB 6 min

FSI - BOB 6 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.86	110.91	Initial Hydro-static
2	38.06	110.52	Open To Flow (1)
16	104.34	110.50	Shut-In(1)
45	1279.20	111.26	End Shut-In(1)
46	117.13	110.91	Open To Flow (2)
75	217.76	111.47	Shut-In(2)
136	1280.38	112.91	End Shut-In(2)
138	1818.30	117.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	MW 95%W, 5%M	2.80
45.00	WM 50%W, 50%M	0.63
215.00	FREE OIL 95%O, 5%M	3.02
0.00	1440 GIP	0.00

Gas Rates

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



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TESTING, INC.**

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FLUID SUMMARY

Downing Nelson Oil Co Inc

Robert Nickelson 1-27

PO Box 1019
Hays, Ks 67601

27-9-24 Graham, Ks

Job Ticket: 44153

DST#: 1

ATTN: Marc Downing

Test Start: 2011.07.26 @ 06:06:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
220.00	MW 95%W, 5%M	2.804
45.00	WM 50%W, 50%M	0.631
215.00	FREE OIL 95%O, 5%M	3.016
0.00	1440 GIP	0.000

Total Length: 480.00 ft

Total Volume: 6.451 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

