



**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: 44154

DST#: 2

Test Start: 2011.07.26 @ 19:15:38

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:54:08

Time Test Ended: 01:00:38

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3880.00 ft (KB) To 3902.00 ft (KB) (TVD)

Reference Elevations: 2477.00 ft (KB)

Total Depth: 3902.00 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: 169.22 psig @ 3884.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.26

End Date:

2011.07.27

Last Calib.:

2011.07.27

Start Time: 19:15:39

End Time:

01:00:38

Time On Btm:

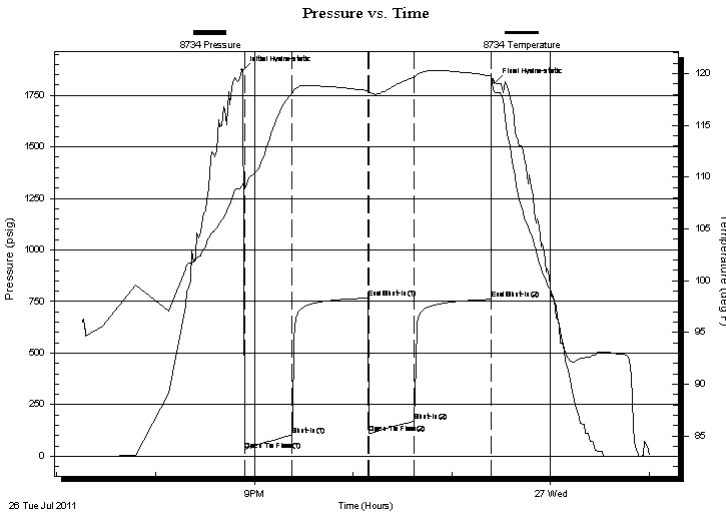
2011.07.26 @ 20:52:38

Time Off Btm:

2011.07.26 @ 23:26:08

TEST COMMENT: IFP - BOB 6 min
ISI - 6" blow back
FFP - BOB 8 min
FSI - BOB 17 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.14	109.29	Initial Hydro-static
2	27.75	108.93	Open To Flow (1)
30	102.52	118.06	Shut-In(1)
77	767.27	118.37	End Shut-In(1)
77	110.82	118.17	Open To Flow (2)
105	169.22	119.66	Shut-In(2)
151	760.83	119.77	End Shut-In(2)
154	1810.14	118.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	MW 90%W, 10%M	1.75
105.00	SOCWM 5%O 45%W, 50%M	1.47
60.00	FREE OIL 95%O, 5%M	0.84
0.00	760' GIP	0.00

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

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

85000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
145.00	MW 90%W, 10%M	1.752
105.00	SOCWM 5%O 45%W, 50%M	1.473
60.00	FREE OIL 95%O, 5%M	0.842
0.00	760' GIP	0.000

Total Length: 310.00 ft

Total Volume: 4.067 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

