



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

23/9S/24W-Graham

P.O. Box 1019
Hays, KS 67601

Nickelson-Lloyd Unit

ATTN: Al Dow ning

Job Ticket: 45258

DST#: 1

Test Start: 2011.10.08 @ 12:58:15

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:50:25

Time Test Ended: 19:36:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

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

Reference Elevations: 2487.00 ft (KB)

Total Depth: 3995.00 ft (KB) (TVD)

2479.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press @ Run Depth: 65.14 psig @ 3969.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.08 End Date: 2011.10.08

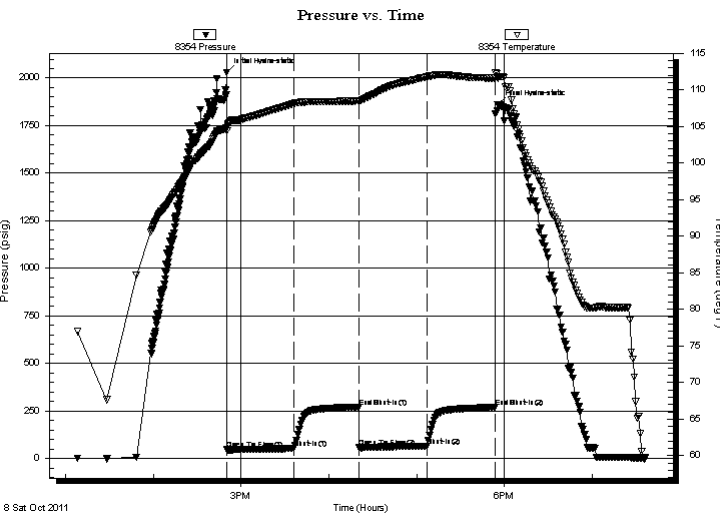
Last Calib.: 2011.10.08

Start Time: 13:08:15 End Time: 19:36:15

Time On Btm: 2011.10.08 @ 14:50:05

Time Off Btm: 2011.10.08 @ 17:55:15

TEST COMMENT: IF-Fair building blow . BOB in 20 minutes 30 seconds.
 IS-Very weak surface return @ 4 minutes. Died @ 9 minutes.
 FF-Fair building blow . BOB in 21 minutes.
 FS-Very weak surface return @ 6 minutes. Died @ 12 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2029.77	104.82	Initial Hydro-static
1	48.29	104.47	Open To Flow (1)
46	51.99	108.13	Shut-In(1)
91	269.67	108.50	End Shut-In(1)
91	55.60	108.44	Open To Flow (2)
137	65.14	111.78	Shut-In(2)
184	268.41	111.62	End Shut-In(2)
186	1861.97	111.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	10%Gas/50%Oil/40%Mud	1.48
0.00	540' G.I.P.	0.00

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

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Test Start: 2011.10.08 @ 12:58:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 85.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	10%Gas/50%Oil/40%Mud	1.480
0.00	540' G.I.P.	0.000

Total Length: 125.00 ft Total Volume: 1.480 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

Inside

Doming-Nelson Oil Co., Inc.

Nickelson-Lloyd Unit

DST Test Number: 1

