



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

31-14-20 Ellis, Ks

PO Box 1019
Hays, Ks 67601

Ramona 1-31

Job Ticket: 44727

DST#: 1

ATTN: Gator

Test Start: 2011.11.04 @ 21:12:42

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:49:42

Time Test Ended: 04:07:12

Test Type: Conventional Straddle (Initial)

Tester: Brian Fairbank

Unit No: 41

Interval: 3746.00 ft (KB) To 3765.00 ft (KB) (TVD)

Reference Elevations: 2065.00 ft (KB)

Total Depth: 3911.00 ft (KB) (TVD)

2057.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 31.54 psig @ 3750.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.04

End Date:

2011.11.05

Last Calib.:

2011.11.05

Start Time: 21:12:43

End Time:

04:07:12

Time On Btm:

2011.11.04 @ 22:48:12

Time Off Btm:

2011.11.05 @ 01:52:42

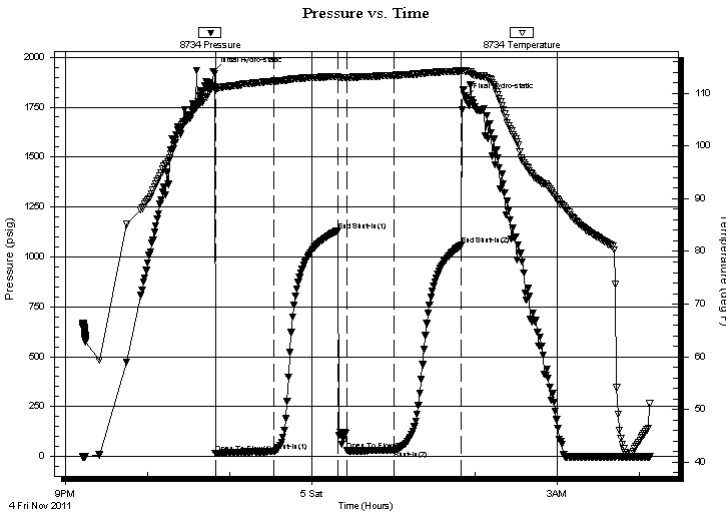
TEST COMMENT: IFP - weak blow throughout 1/2" - 1 1/2"

ISI - no blow back

FFP - no blow 8 min - sur blow

FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.42	111.03	Initial Hydro-static
2	14.70	110.60	Open To Flow (1)
45	25.20	112.28	Shut-In(1)
91	1132.04	113.19	End Shut-In(1)
98	30.87	112.97	Open To Flow (2)
133	31.54	113.40	Shut-In(2)
181	1057.94	114.21	End Shut-In(2)
185	1797.48	114.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
18.00	SOCM 5%O, 95%M	0.09
2.00	FREE OIL 95%O, 5%M	0.01

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:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 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
18.00	SOCM 5%O, 95%M	0.089
2.00	FREE OIL 95%O, 5%M	0.010

Total Length: 20.00 ft Total Volume: 0.099 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

