



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co Inc

Before 1-12

PO Box 1019
Hays, Ks 67601

12-14-19 Ellis, Ks

ATTN: Gator

Job Ticket: 42566

DST#: 1

Test Start: 2011.05.10 @ 23:48:49

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:36:49

Time Test Ended: 06:09:19

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3427.00 ft (KB) To 3483.00 ft (KB) (TVD)

Reference Elevations: 2178.00 ft (KB)

Total Depth: 3483.00 ft (KB) (TVD)

2170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 56.88 psig @ 3433.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.10

End Date:

2011.05.11

Last Calib.:

2011.05.11

Start Time: 23:48:50

End Time:

06:09:19

Time On Btm:

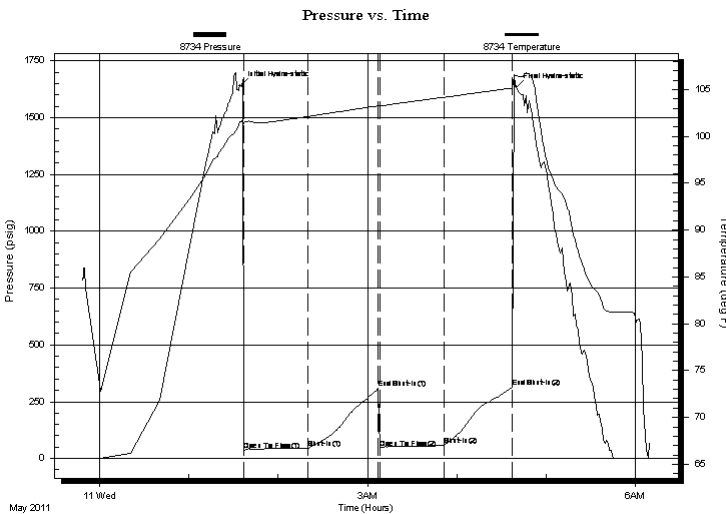
2011.05.11 @ 01:34:49

Time Off Btm:

2011.05.11 @ 04:39:49

TEST COMMENT: IFP - BOB 22 min
ISI - no blow back
FFP - weak to good blow 1/4" - 7"
FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.60	101.58	Initial Hydro-static
2	35.20	101.31	Open To Flow (1)
45	46.91	102.12	Shut-In(1)
93	307.86	103.27	End Shut-In(1)
94	44.02	103.24	Open To Flow (2)
137	56.88	104.17	Shut-In(2)
183	315.15	105.14	End Shut-In(2)
185	1633.67	106.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	HOCM 35%O, 65%M	0.63
0.00	150' GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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ATTN: Gator

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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: 79.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 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
65.00	HOCM 35%O, 65%M	0.629
0.00	150' GIP	0.000

Total Length: 65.00 ft Total Volume: 0.629 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

