



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: 42567

DST#: 2

Test Start: 2011.05.12 @ 02:14:49

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:54:19

Time Test Ended: 07:25:19

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3743.00 ft (KB) To 3793.00 ft (KB) (TVD)

Reference Elevations: 2178.00 ft (KB)

Total Depth: 3793.00 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: 34.11 psig @ 3748.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.12 End Date: 2011.05.12

Last Calib.: 2011.05.12

Start Time: 02:14:50 End Time: 07:25:19

Time On Btm: 2011.05.12 @ 03:53:19

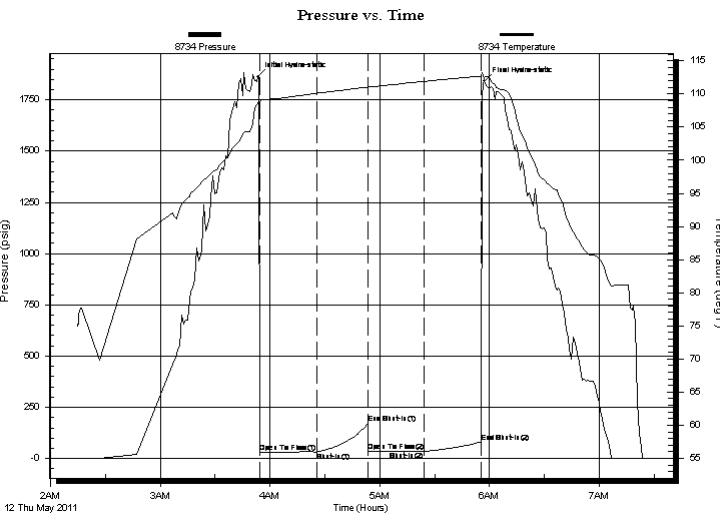
Time Off Btm: 2011.05.12 @ 05:57:19

TEST COMMENT: IFP - sur blow - died 14 min

ISI - no blow back

FFP - no blow

FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.61	108.53	Initial Hydro-static
1	30.69	108.88	Open To Flow (1)
32	32.32	110.08	Shut-In(1)
60	170.28	111.05	End Shut-In(1)
61	34.75	111.03	Open To Flow (2)
91	34.11	111.91	Shut-In(2)
122	81.07	112.70	End Shut-In(2)
124	1840.92	112.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 5%O, 95%M	0.02

Gas Rates

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



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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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 5%O, 95%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

