



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

18-13s-20w Ellis

P O Box 1019
Hays Ks 67601

Kohls #1-18

Job Ticket: 4757

DST#: 3

ATTN: Ron Nelson

Test Start: 2011.10.24 @ 07:05:38

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:15:33

Time Test Ended: 13:03:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3805.00 ft (KB) To 3835.00 ft (KB) (TVD)

Reference Elevations: 2206.00 ft (KB)

Total Depth: 3835.00 ft (KB) (TVD)

2198.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @ Run Depth: 23.75 psig @ 3811.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.24

End Date:

2011.10.24

Last Calib.: 2011.10.24

Start Time: 07:05:38

End Time:

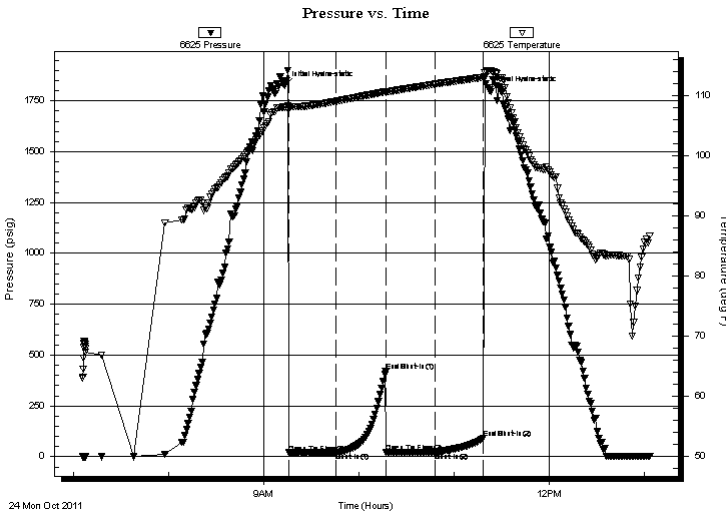
13:03:32

Time On Btm: 2011.10.24 @ 09:13:03

Time Off Btm: 2011.10.24 @ 11:22:02

TEST COMMENT: 30-IFP-surface bl thru-out
30-ISIP-no bl
30-FFP-surface bl thru-out
30-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1826.67	108.01	Initial Hydro-static
3	18.73	108.00	Open To Flow (1)
32	19.68	108.99	Shut-In(1)
64	419.24	110.62	End Shut-In(1)
64	21.17	110.52	Open To Flow (2)
95	23.75	111.85	Shut-In(2)
125	89.52	112.97	End Shut-In(2)
129	1802.86	114.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 10%O90%M	0.02

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Test Start: 2011.10.24 @ 07:05:38

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 10%O90%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:

