



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: 44755

DST#: 1

ATTN: Ron Nelson

Test Start: 2011.10.22 @ 12:50:48

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:56:43

Time Test Ended: 19:41:12

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Interval: 3544.00 ft (KB) To 3466.00 ft (KB) (TVD)

Reference Elevations: 2206.00 ft (KB)

Total Depth: 3566.00 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: 73.13 psig @ 3545.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.22 End Date: 2011.10.22

Last Calib.: 2011.10.22

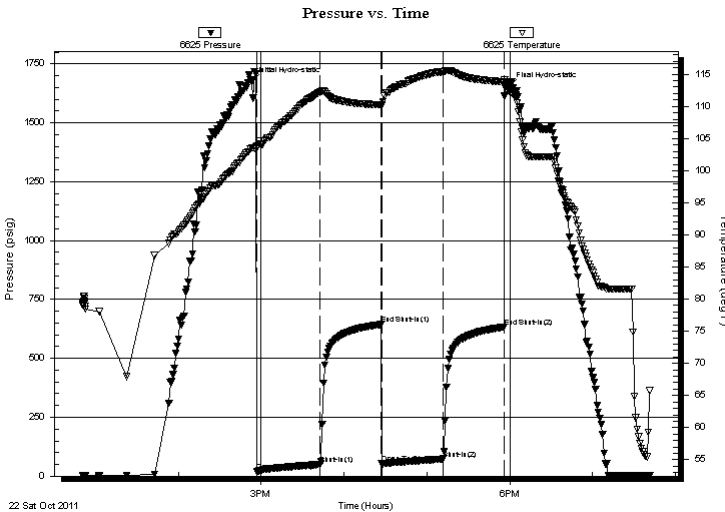
Start Time: 12:50:48 End Time: 19:41:12

Time On Btm: 2011.10.22 @ 14:53:13

Time Off Btm: 2011.10.22 @ 17:59:42

TEST COMMENT: 45-IFP-w k bl 1/4" to 2 1/2" bl
45-ISIP-no bl
45-FFP-w k bl surface to 1/4" bl
45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.08	103.53	Initial Hydro-static
4	18.31	103.47	Open To Flow (1)
50	49.74	112.26	Shut-In(1)
94	643.66	110.27	End Shut-In(1)
94	52.64	110.18	Open To Flow (2)
139	73.13	115.44	Shut-In(2)
183	632.64	113.83	End Shut-In(2)
187	1651.92	112.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Water	0.99

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

18-13s-20w Ellis

P O Box 1019
Hays Ks 67601

Kohls #1-18

Job Ticket: 44755

DST#: 1

ATTN: Ron Nelson

Test Start: 2011.10.22 @ 12:50:48

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:

68000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
90.00	Water	0.989

Total Length: 90.00 ft Total Volume: 0.989 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .11 @ 72F

Serial #: 6625

Inside

Dow nung-Nelson Oil Co Inc

Kohls #1-18

DST Test Number: 1

