



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

Johnson 1-13

P.O. Box 372
Hays Ks 67601-0372

13-14s-19w Ellis KS

ATTN: Ron Nelson

Job Ticket: 41668

DST#: 3

Test Start: 2011.01.19 @ 08:32:33

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:23:58

Time Test Ended: 15:12:27

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 42

Interval: 3758.00 ft (KB) To 3785.00 ft (KB) (TVD)

Reference Elevations: 2148.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

2140.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @RunDepth: 116.70 psig @ 3766.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.01.19 End Date: 2011.01.19

Last Calib.: 2011.01.19

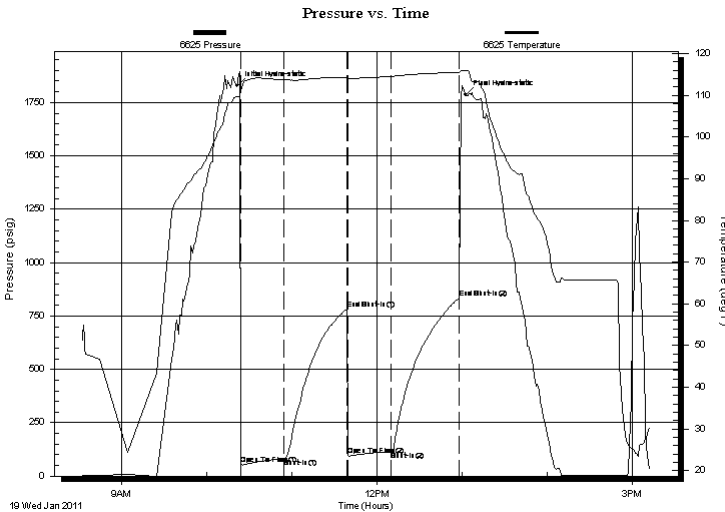
Start Time: 08:32:33 End Time: 15:12:27

Time On Btm: 2011.01.19 @ 10:21:28

Time Off Btm: 2011.01.19 @ 13:02:27

TEST COMMENT: IFP-w k to strg in 5 min
ISIP-surface to 1/4"bl bk
FFP-w k to a gd bl 1"to 6"bl
FSIP-surface bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1827.82	109.59	Initial Hydro-static
3	54.22	111.13	Open To Flow (1)
33	82.97	113.79	Shut-In(1)
78	783.22	114.38	End Shut-In(1)
78	95.61	114.17	Open To Flow (2)
109	116.70	114.52	Shut-In(2)
157	835.36	115.54	End Shut-In(2)
161	1786.70	115.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MGO 20%G20%M60%O	0.99
170.00	CO	2.38
0.00	110'GIP	0.00

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: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.92 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	MGO 20%G20%M60%O	0.989
170.00	CO	2.385
0.00	110'GIP	0.000

Total Length: 260.00 ft Total Volume: 3.374 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

