



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

6-21s-20w Pawnee

P O Box 372
Hays Ks 67601-0372

Tombaugh-Vand #1-6

ATTN: Ron Nelson

Job Ticket: 44771

DST#: 3

Test Start: 2011.11.08 @ 09:15:49

GENERAL INFORMATION:

Formation: **MISS-Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:11:44

Time Test Ended: 20:15:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 4363.00 ft (KB) To 4377.00 ft (KB) (TVD)

Reference Elevations: 2220.00 ft (KB)

Total Depth: 4377.00 ft (KB) (TVD)

2212.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press @ Run Depth: 1150.69 psig @ 4369.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.08

End Date:

2011.11.08

Last Calib.:

2011.11.08

Start Time: 09:15:49

End Time:

20:15:14

Time On Btm:

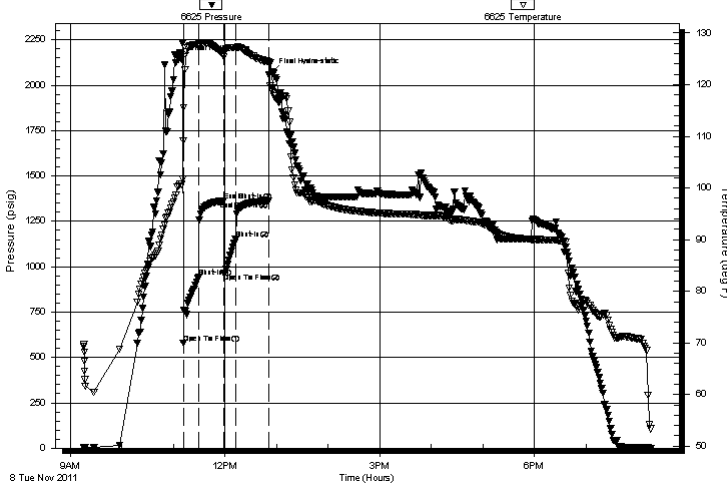
2011.11.08 @ 11:09:44

Time Off Btm:

2011.11.08 @ 12:54:44

TEST COMMENT: 15-IFP-strg bl in 30sec
30-ISIP-4 1/2"bl bk
15-FFP-strg bl thru-out
30-FSIP-

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.02	100.74	Initial Hydro-static
2	577.80	109.12	Open To Flow (1)
20	941.54	127.81	Shut-In(1)
49	1362.09	125.83	End Shut-In(1)
49	962.56	125.33	Open To Flow (2)
63	1150.69	127.13	Shut-In(2)
101	1360.97	124.41	End Shut-In(2)
105	2069.92	118.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	124'GIP	0.00
2976.00	CO	41.47
124.00	MGO 25%G10%M65%O	1.74

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Tombaugh-Vand #1-6

Job Ticket: 44771 **DST#: 3**

ATTN: Ron Nelson

Test Start: 2011.11.08 @ 09:15:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	124'GIP	0.000
2976.00	CO	41.472
124.00	MGO 25%G10%M65%O	1.739

Total Length: 3100.00 ft Total Volume: 43.211 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

Inside

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DST Test Number: 3

Pressure vs. Time

