



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

Vandenberg-Saxton #1-18

P O Box 372
Hays Ks 67601-0372

18-20s-20w Pawnee

Job Ticket: 41027

DST#: 1

ATTN: Ron Nelson

Test Start: 2010.11.04 @ 10:41:20

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:27:15

Time Test Ended: 16:24:44

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 4297.00 ft (KB) To 4347.00 ft (KB) (TVD)

Reference Elevations: 2229.00 ft (KB)

Total Depth: 4347.00 ft (KB) (TVD)

2221.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @ RunDepth: 49.98 psig @ 4330.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.04 End Date: 2010.11.04

Last Calib.: 2010.11.04

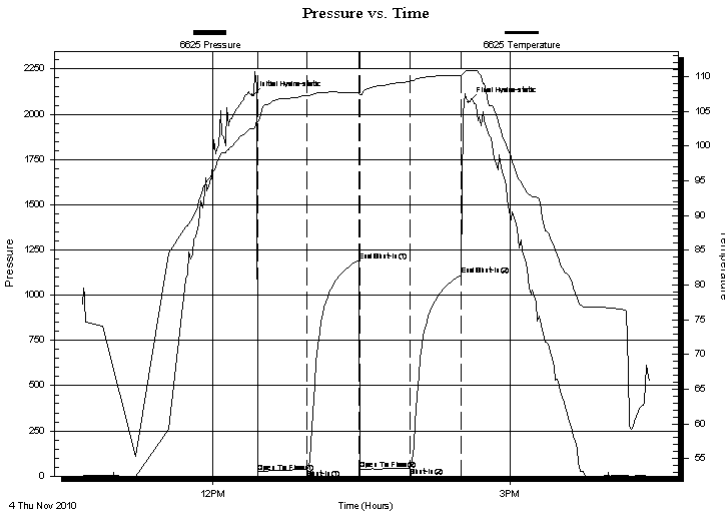
Start Time: 10:41:20 End Time: 16:24:44

Time On Btm: 2010.11.04 @ 12:24:15

Time Off Btm: 2010.11.04 @ 14:35:15

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.67	102.54	Initial Hydro-static
3	22.27	103.45	Open To Flow (1)
33	35.78	107.22	Shut-In(1)
65	1191.50	107.76	End Shut-In(1)
65	38.78	107.46	Open To Flow (2)
96	49.98	109.37	Shut-In(2)
127	1110.57	110.18	End Shut-In(2)
131	2068.73	110.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MG05%G40%M55%O	0.64

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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	MGo5%G40%M55%O	0.638

Total Length: 65.00 ft Total Volume: 0.638 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

