



**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**

ATTN: Ron Nelson

Job Ticket: 41028

**DST#: 2**

Test Start: 2010.11.04 @ 22:13:28

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:13:53

Time Test Ended: 04:13:52

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

**Interval: 4343.00 ft (KB) To 4354.00 ft (KB) (TVD)**

Reference Elevations: 2229.00 ft (KB)

Total Depth: 4354.00 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: 39.02 psig @ 4348.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.04

End Date:

2010.11.05

Last Calib.: 2010.11.05

Start Time: 22:13:28

End Time:

04:13:52

Time On Btm: 2010.11.05 @ 00:11:23

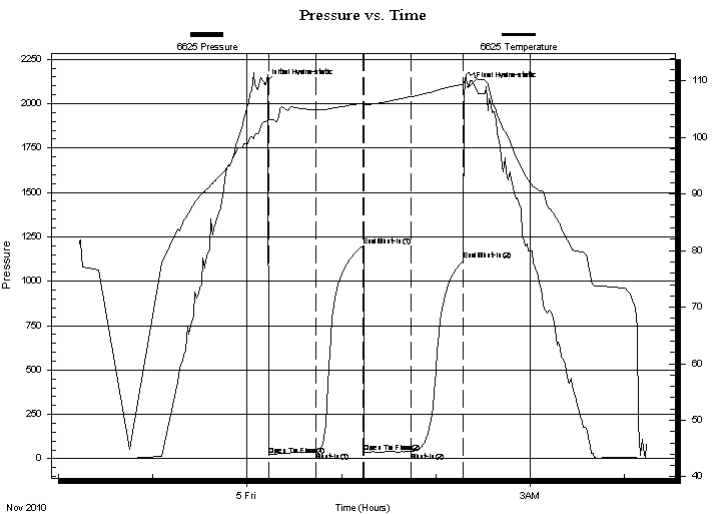
Time Off Btm: 2010.11.05 @ 02:20:53

TEST COMMENT: IFP-w k bl 1/4"to 3/4"bl

ISIP-no bl

FFP-surface bl

FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.39	102.79	Initial Hydro-static
3	21.27	103.18	Open To Flow (1)
33	37.56	104.85	Shut-In(1)
62	1197.51	106.09	End Shut-In(1)
63	34.80	105.80	Open To Flow (2)
93	39.02	107.22	Shut-In(2)
126	1118.80	109.46	End Shut-In(2)
130	2095.49	111.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	HOCM 20% O80%M	0.36

## 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: 8.73 in <sup>3</sup>	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
45.00	HOCM 20% O 80% M	0.358

Total Length: 45.00 ft      Total Volume: 0.358 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

