



**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: 44758

**DST#: 4**

ATTN: Ron Nelson

Test Start: 2011.10.24 @ 21:10:07

## GENERAL INFORMATION:

Formation: **Congl Sd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:50:32

Time Test Ended: 03:23:31

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

**Interval: 3830.00 ft (KB) To 3875.00 ft (KB) (TVD)**

Reference Elevations: 2206.00 ft (KB)

Total Depth: 3875.00 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: 60.18 psig @ 3839.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.24

End Date:

2011.10.25

Last Calib.: 2011.10.25

Start Time: 21:10:07

End Time:

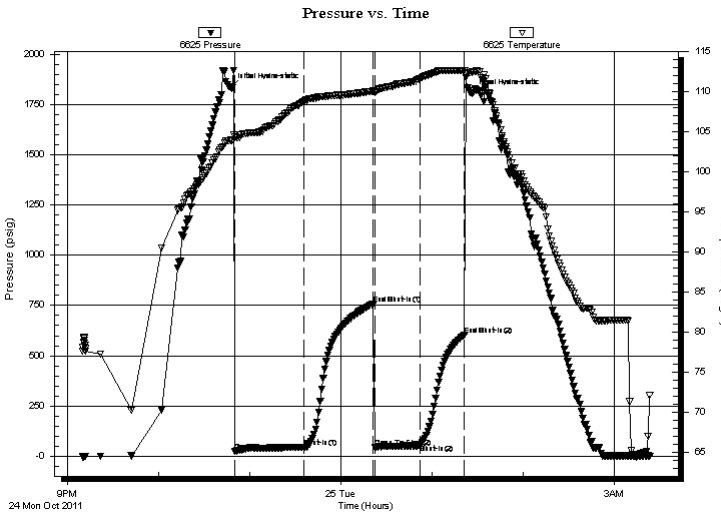
03:23:31

Time On Btm: 2011.10.24 @ 22:47:32

Time Off Btm: 2011.10.25 @ 01:26:31

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

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1832.72	103.94	Initial Hydro-static
3	23.33	104.33	Open To Flow (1)
48	44.41	108.79	Shut-In(1)
94	758.96	110.11	End Shut-In(1)
95	45.65	109.91	Open To Flow (2)
125	60.18	111.70	Shut-In(2)
154	603.75	112.64	End Shut-In(2)
159	1804.21	112.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	MO 40%M60%O	0.57
30.00	CO	0.42

\* Recovery from multiple tests

## Gas Rates

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



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## FLUID SUMMARY

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**Kohls #1-18**

Job Ticket: 44758

**DST#: 4**

ATTN: Ron Nelson

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### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.92 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MO 40%M60%O	0.568
30.00	CO	0.421

Total Length: 90.00 ft      Total Volume: 0.989 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

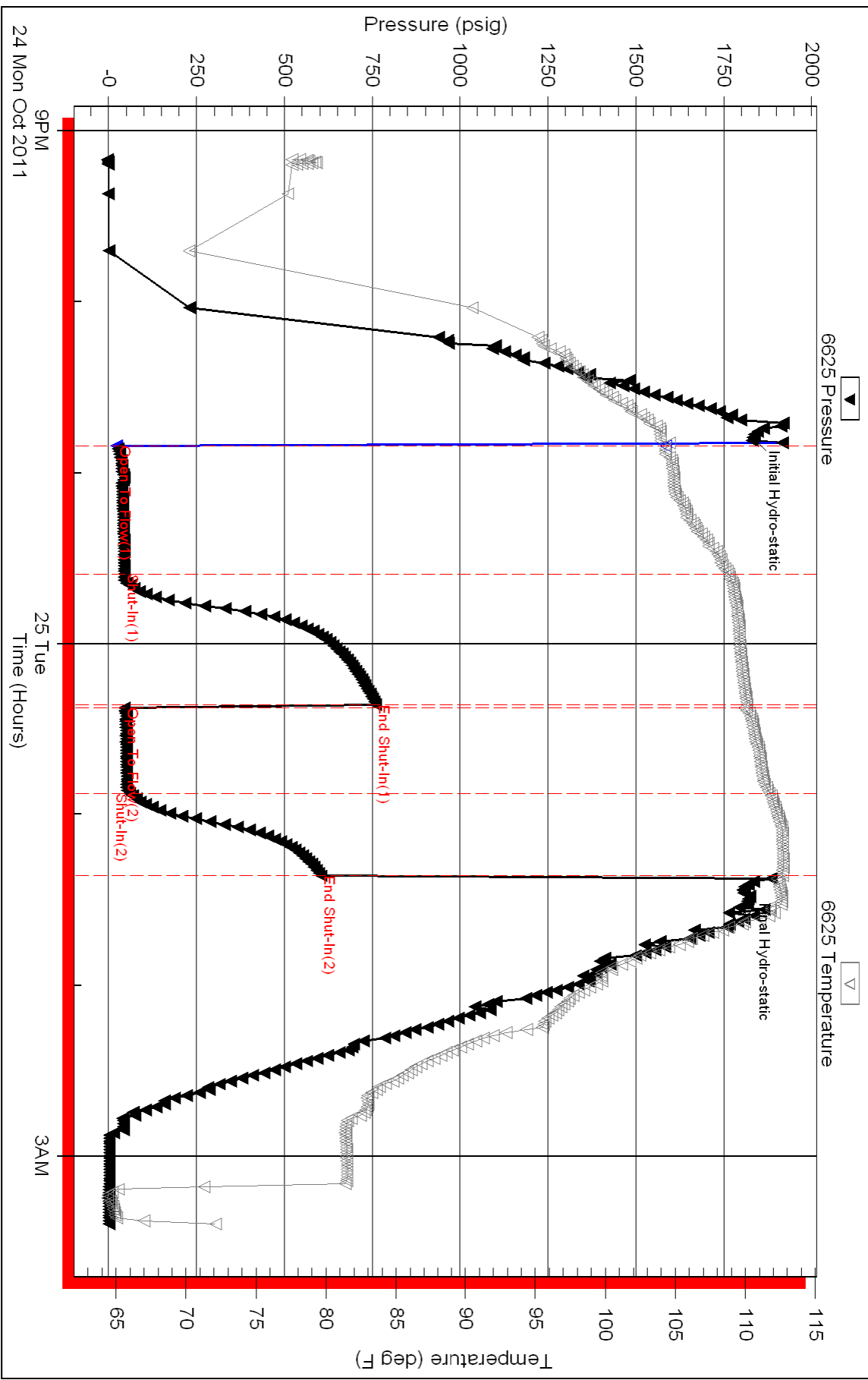
Inside

Dow nung-Nelson Oil Co Inc

Kohls #1-18

DST Test Number: 4

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44758

Printed: 2011.10.25 @ 08:26:13