



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: 44769

DST#: 1

Test Start: 2011.11.07 @ 05:11:04

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:30:29

Time Test Ended: 12:36:58

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Interval: 4330.00 ft (KB) To 4369.00 ft (KB) (TVD)

Reference Elevations: 2220.00 ft (KB)

Total Depth: 4369.00 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: 49.85 psig @ 4334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.07

End Date:

2011.11.07

Last Calib.: 2011.11.07

Start Time: 05:11:04

End Time:

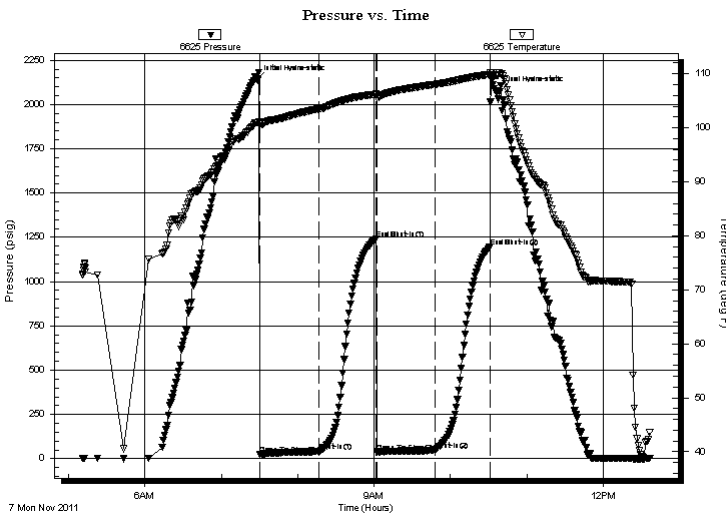
12:36:58

Time On Btm: 2011.11.07 @ 07:27:59

Time Off Btm: 2011.11.07 @ 10:35:58

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.67	100.97	Initial Hydro-static
3	24.08	100.83	Open To Flow (1)
49	40.72	103.51	Shut-In(1)
94	1241.91	106.21	End Shut-In(1)
95	37.15	105.60	Open To Flow (2)
140	49.85	108.03	Shut-In(2)
183	1197.20	109.87	End Shut-In(2)
188	2076.04	109.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	30'GIP	0.00
60.00	HO&GCM 10%G40%O50%M	0.57

Gas Rates

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



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FLUID SUMMARY

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6-21s-20w Pawnee

P O Box 372
Hays Ks 67601-0372

Tombaugh-Vand #1-6

Job Ticket: 44769 **DST#: 1**

ATTN: Ron Nelson

Test Start: 2011.11.07 @ 05:11:04

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: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	30'GIP	0.000
60.00	HO&GCM 10%G40%O50%M	0.568

Total Length: 60.00 ft Total Volume: 0.568 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6625

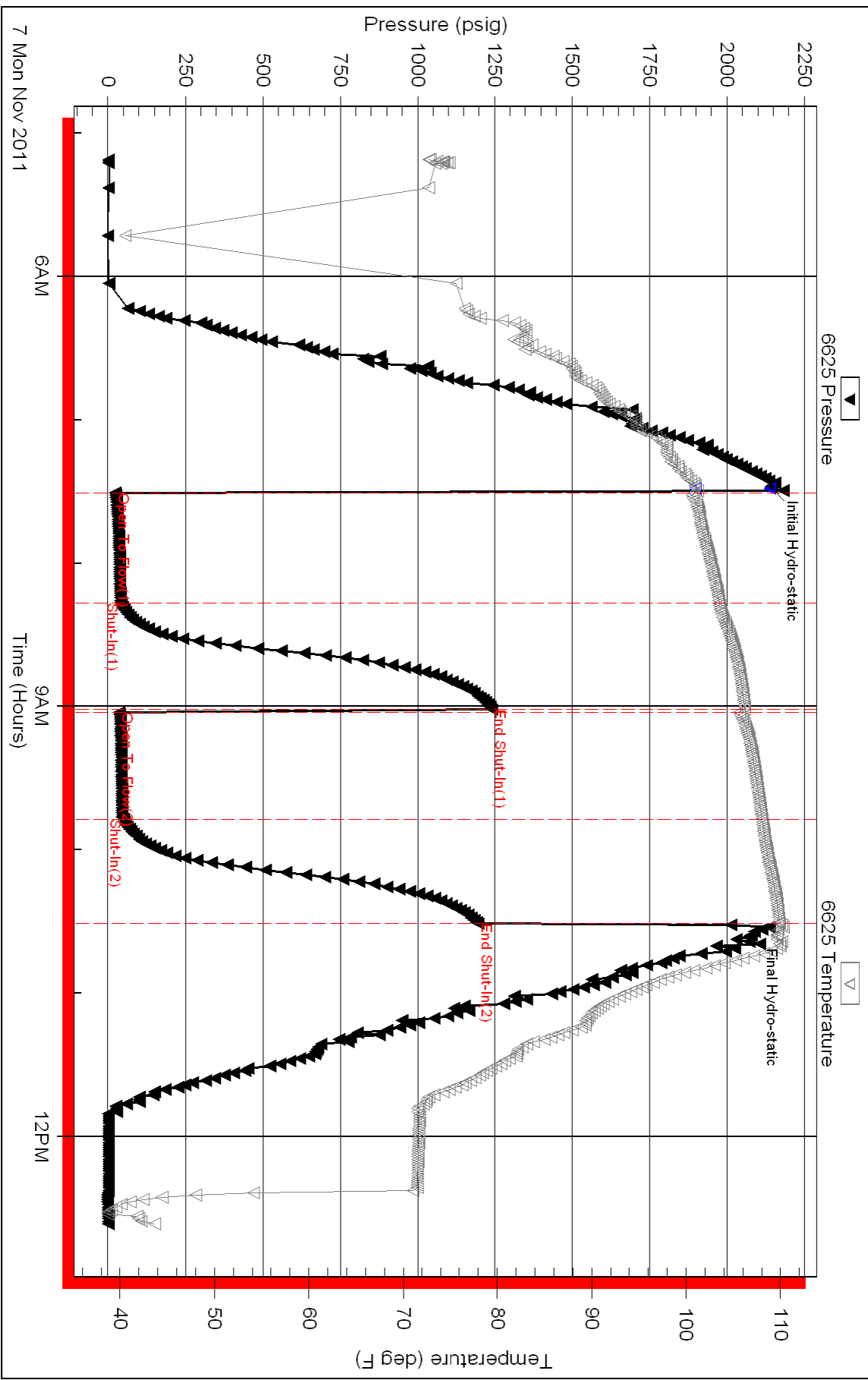
Inside

Dow nung-Nelson Oil Co Inc

Tombaugh-Vand #1-6

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44769

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