



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: 44756

DST#: 2

ATTN: Ron Nelson

Test Start: 2011.10.23 @ 10:50:24

GENERAL INFORMATION:

Formation: **LKC H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:49:49

Time Test Ended: 16:20:18

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3616.00 ft (KB) To 3676.00 ft (KB) (TVD)

Reference Elevations: 2206.00 ft (KB)

Total Depth: 3676.00 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: 66.88 psig @ 3622.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.23

End Date:

2011.10.23

Last Calib.: 2011.10.23

Start Time: 10:50:24

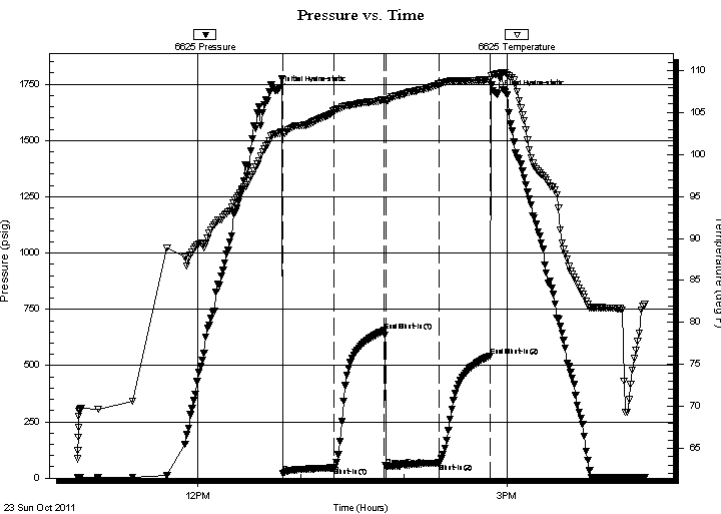
End Time:

16:20:18

Time On Btm: 2011.10.23 @ 12:46:49

Time Off Btm: 2011.10.23 @ 14:53:49

TEST COMMENT: 30-IFP-vy w k surface bl died in 15 min
30-ISIP-no bl
30-FFP-no bl , flushed tool, got good surge
30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.94	102.49	Initial Hydro-static
3	21.98	102.49	Open To Flow (1)
33	46.90	105.22	Shut-In(1)
62	654.92	106.52	End Shut-In(1)
63	54.56	106.38	Open To Flow (2)
94	66.88	108.40	Shut-In(2)
123	542.40	108.90	End Shut-In(2)
127	1705.19	109.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w /show of oil	0.71

* Recovery from multiple tests

Gas Rates

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



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TESTING, INC**

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FLUID SUMMARY

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18-13s-20w Ellis

P O Box 1019
Hays Ks 67601

Kohls #1-18

Job Ticket: 44756

DST#: 2

ATTN: Ron Nelson

Test Start: 2011.10.23 @ 10:50:24

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: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
70.00	Mud w/show of oil	0.709

Total Length: 70.00 ft Total Volume: 0.709 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

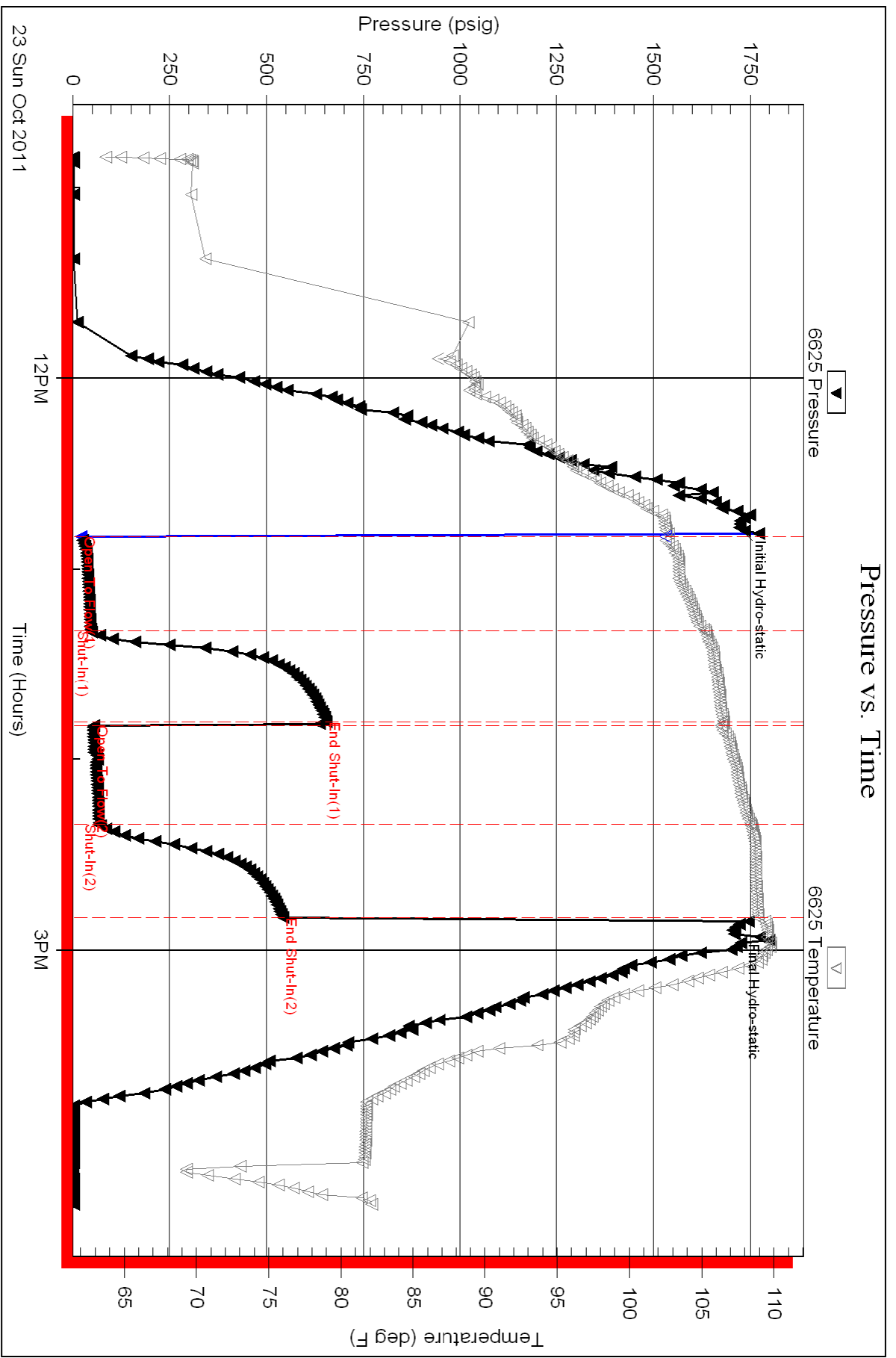
Serial #: 6625

Inside

Dow nting-Nelson Oil Co Inc

Kohls #1-18

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 44756

Printed: 2011.10.24 @ 09:10:52