



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning Nelson Oil Co inc

17-20s-20w

Po Box 372
Hays Ks 67601

Showalter 1-17

ATTN: Ron Nelson

Job Ticket: 46246

DST#: 2

Test Start: 2012.01.10 @ 22:34:49

GENERAL INFORMATION:

Formation: **MISS**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:26:19

Time Test Ended: 05:41:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: 4297.00 ft (KB) To 4307.00 ft (KB) (TVD)

Reference Elevations: 2187.00 ft (KB)

Total Depth: 4307.00 ft (KB) (TVD)

2179.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8321

Inside

Press @RunDepth: 288.48 psig @ 4300.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.10

End Date:

2012.01.11

Last Calib.:

2012.01.11

Start Time: 22:34:50

End Time:

05:41:19

Time On Btm:

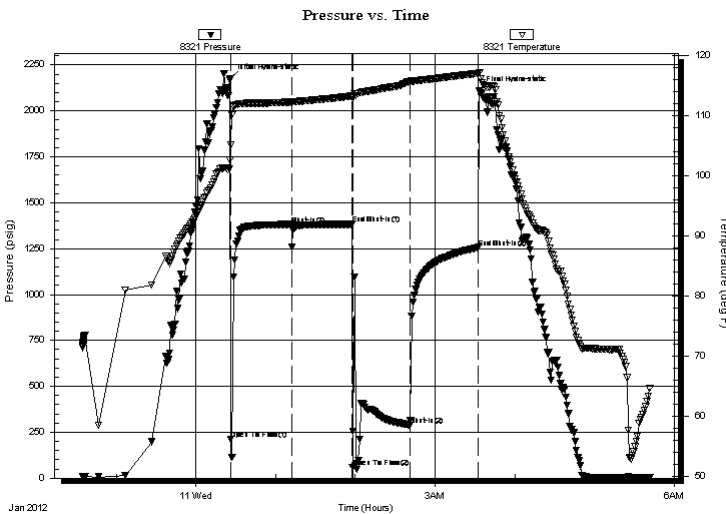
2012.01.11 @ 00:25:49

Time Off Btm:

2012.01.11 @ 03:33:19

TEST COMMENT: IFP-Weak blow built to 3 3/4 in
ISI-Dead no blow back
FFP-Good blow BOB in 22 min
FSI-Weak surface blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.61	102.66	Initial Hydro-static
1	210.91	105.04	Open To Flow (1)
46	1378.06	112.20	Shut-In(1)
92	1382.99	113.18	End Shut-In(1)
92	59.27	112.90	Open To Flow (2)
135	288.48	115.59	Shut-In(2)
187	1255.58	116.96	End Shut-In(2)
188	2111.75	117.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
46.00	SOCM 10%O90%M	0.36
31.00	OCM 20%O80%M	0.43
80.00	GASSY OIL 10%G90%O	1.12
0.00	157 GIP	0.00

* Recovery from multiple tests

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:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
46.00	SOCM 10%O90%M	0.363
31.00	OCM 20%O80%M	0.435
80.00	GASSY OIL 10%G90%O	1.122
0.00	157 GIP	0.000

Total Length: 157.00 ft

Total Volume: 1.920 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

