



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

DNOC
PO Box 372
Hays, Ks
67601
ATTN: Marc Downing

Verna Herl 1-12
12-14-19/ELLIS KS
Job Ticket: 41407 **DST#: 1**
Test Start: 2011.01.06 @ 03:13:16

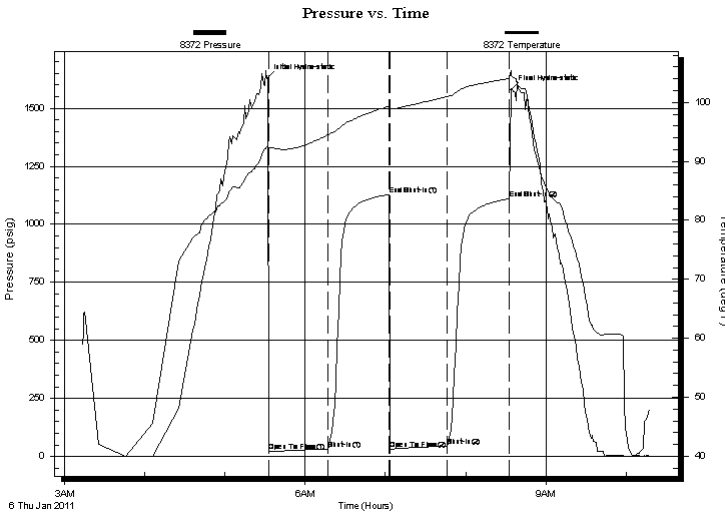
GENERAL INFORMATION:

Formation: **Plattsmouth**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:32:45
Time Test Ended: 10:17:45
Interval: **3391.00 ft (KB) To 3433.00 ft (KB) (TVD)**
Total Depth: 3433.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 2187.00 ft (KB)
2180.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8372 Inside
Press @ Run Depth: 45.38 psig @ 3394.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.01.06 End Date: 2011.01.06 Last Calib.: 2011.01.06
Start Time: 03:13:16 End Time: 10:17:45 Time On Btm: 2011.01.06 @ 05:31:15
Time Off Btm: 2011.01.06 @ 08:34:15

TEST COMMENT: IFP - BOB 13 min
ISI - 1/2" blow back - died 15 min
FFP - BOB 6 min
FSI - 1/4" blow back - died 14 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.10	92.48	Initial Hydro-static
2	21.00	92.33	Open To Flow (1)
46	31.64	94.46	Shut-In(1)
92	1128.37	99.32	End Shut-In(1)
92	28.99	98.91	Open To Flow (2)
135	45.38	100.97	Shut-In(2)
182	1110.10	104.04	End Shut-In(2)
183	1580.11	104.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 10%G, 55%O, 35%M	0.55
30.00	FREE OIL 95%O, 5%M	0.42
0.00	530' GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

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Test Start: 2011.01.06 @ 03:13:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 73.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GMCO 10%G, 55%O, 35%M	0.550
30.00	FREE OIL 95%O, 5%M	0.421
0.00	530' GIP	0.000

Total Length: 90.00 ft Total Volume: 0.971 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

