



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare
202 W. Main St
Salen II
62881
ATTN: Tim Priest

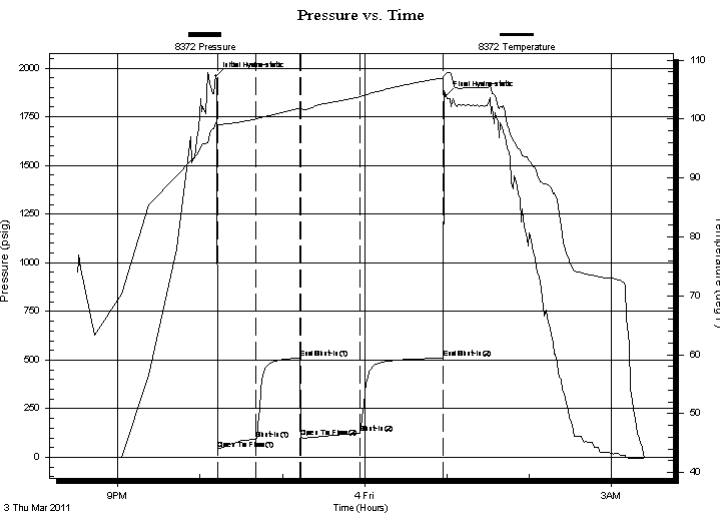
Ottley 8-15
15-14-32/Logan
Job Ticket: 41791 **DST#: 4**
Test Start: 2011.03.03 @ 20:30:40

GENERAL INFORMATION:

Formation: **LKC "H-I"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:12:39
Time Test Ended: 03:24:09
Interval: **3927.00 ft (KB) To 3992.00 ft (KB) (TVD)**
Total Depth: 3992.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 2777.00 ft (KB)
2767.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8372 Inside
Press @ Run Depth: 124.74 psig @ 3932.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.03 End Date: 2011.03.04 Last Calib.: 2011.03.04
Start Time: 20:30:40 End Time: 03:24:09 Time On Btm: 2011.03.03 @ 22:11:39
Time Off Btm: 2011.03.04 @ 00:59:09

TEST COMMENT: IFP - BOB 27 min
ISI - sur blow back - died 19 min
FFP - BOB 24 min
FSI - 1" blow back throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.99	99.44	Initial Hydro-static
1	41.93	98.72	Open To Flow (1)
29	93.42	99.99	Shut-In(1)
61	510.55	101.84	End Shut-In(1)
62	100.82	101.73	Open To Flow (2)
105	124.74	103.77	Shut-In(2)
166	509.58	106.98	End Shut-In(2)
168	1858.06	107.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SGO & WCM 15%G, 10%O, 15%W, 60%M	10.59
75.00	GOCM 5%G, 20%O, 75%M	1.04
20.00	FREE OIL 95%O, 5%M	0.28
0.00	120' GIP	0.00

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:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	SGO & WCM 15%G, 10%O, 15%W, 60%M	0.590
75.00	GOCM 5%G, 20%O, 75%M	1.043
20.00	FREE OIL 95%O, 5%M	0.281
0.00	120' GIP	0.000

Total Length: 215.00 ft

Total Volume: 1.914 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

