



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

Ottley 8-15
15-14-32/Logan
Job Ticket: 41788 **DST#: 1**
Test Start: 2011.03.01 @ 09:53:13

GENERAL INFORMATION:

Formation: **LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:09:12
Time Test Ended: 17:17:42
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Interval: **3761.00 ft (KB) To 3790.00 ft (KB) (TVD)**
Reference Elevations: 2777.00 ft (KB)
Total Depth: 3790.00 ft (KB) (TVD) 2767.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 10.00 ft

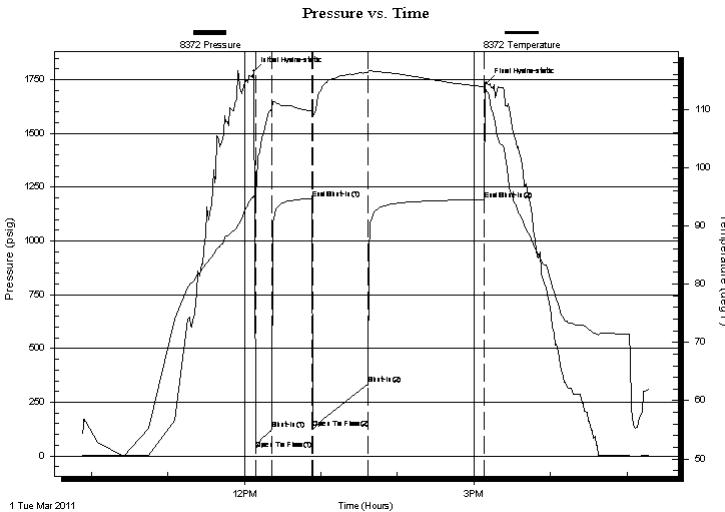
Serial #: 8372

Inside

Press @ Run Depth: 333.41 psig @ 3762.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.01 End Date: 2011.03.01 Last Calib.: 2011.03.01
Start Time: 09:53:13 End Time: 17:17:42 Time On Btm: 2011.03.01 @ 12:07:42
Time Off Btm: 2011.03.01 @ 15:10:12

TEST COMMENT: IFP - BOB 7 min
ISI - no blow back
FFP - BOB 7 min
FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1788.89	95.13	Initial Hydro-static
2	33.57	95.61	Open To Flow (1)
14	122.24	110.11	Shut-In(1)
45	1197.34	109.79	End Shut-In(1)
46	126.94	109.33	Open To Flow (2)
90	333.41	116.35	Shut-In(2)
180	1193.10	113.86	End Shut-In(2)
183	1734.84	112.94	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
10.00	MUD 100%	0.05
555.00	MW 90%W, 10%M	6.77
145.00	GO & WCM 5%G, 10%O, 35%W, 50%M	2.03
10.00	MCO 60%O, 40%M	0.14

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare

Ottley 8-15

202 W. Main St
Salen II
62881

15-14-32/Logan

Job Ticket: 41788

DST#: 1

ATTN: Tim Priest

Test Start: 2011.03.01 @ 09:53:13

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:

70000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 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
10.00	MUD 100%	0.049
555.00	MW 90%W, 10%M	6.774
145.00	GO & WCM 5%G, 10%O, 35%W, 50%M	2.034
10.00	MCO 60%O, 40%M	0.140

Total Length: 720.00 ft

Total Volume: 8.997 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

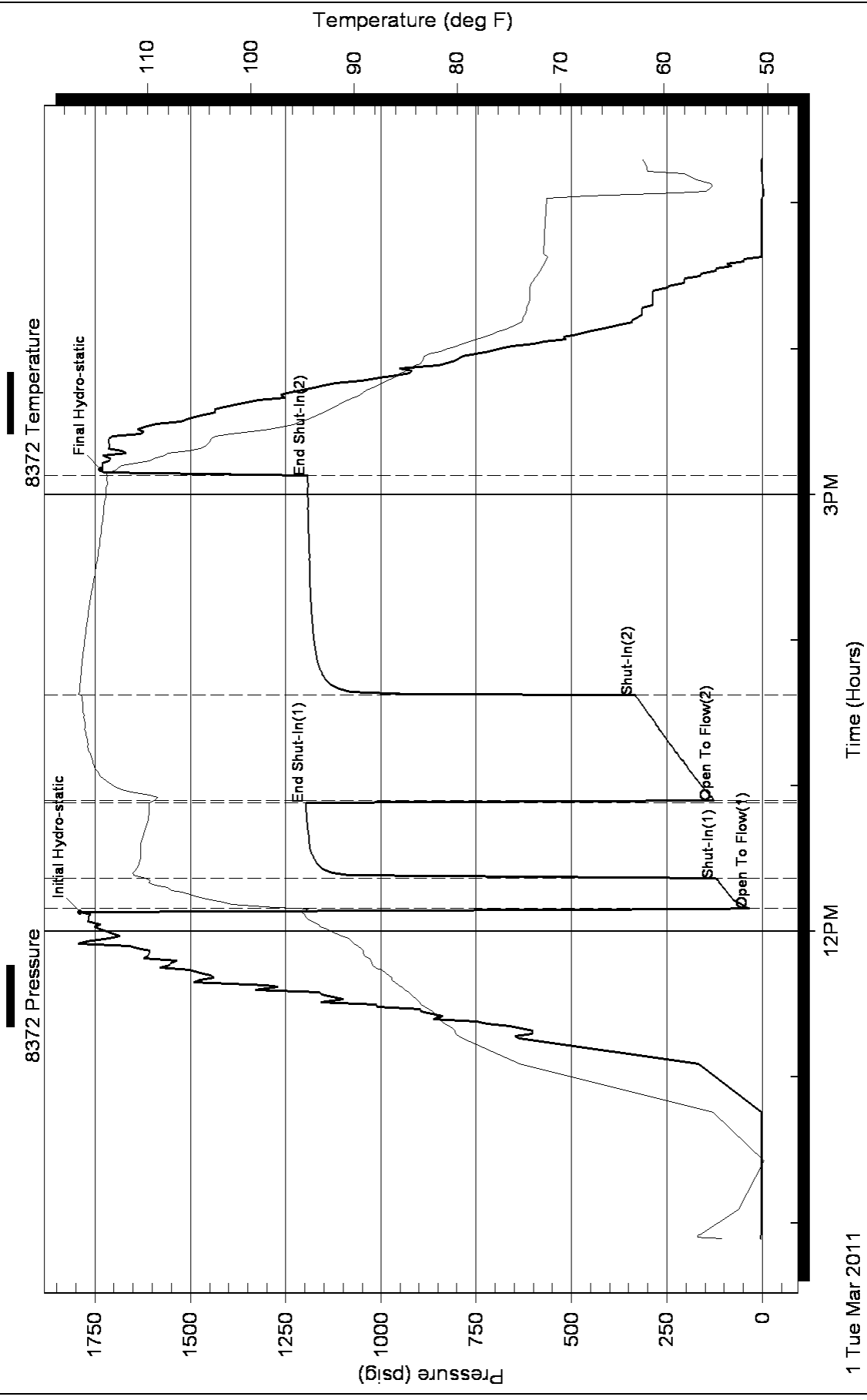
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



1 Tue Mar 2011

3PM

12PM

Time (Hours)