



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Larson Engineering

Cramer 2-22

562 W St. Rd 4
Olmitz Ks, 67564

22/17s/30w

Job Ticket: 37389

DST#: 1

ATTN: Vern Schrag

Test Start: 2010.09.14 @ 10:20:21

GENERAL INFORMATION:

Formation: **'H'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:26:21
 Time Test Ended: 16:01:06
 Interval: **4110.00 ft (KB) To 4131.00 ft (KB) (TVD)**
 Total Depth: 4131.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Mike Slemp
 Unit No: 53
 Reference Elevations: 2867.00 ft (KB)
 2862.00 ft (CF)
 KB to GR/CF: 5.00 ft

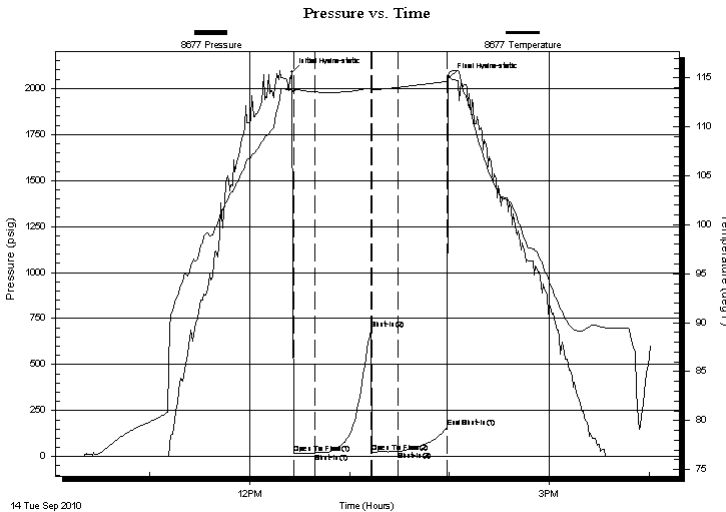
Serial #: 8677

Inside

Press @ Run Depth: 19.94 psig @ 4112.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.09.14 End Date: 2010.09.14 Last Calib.: 2010.09.14
 Start Time: 10:20:22 End Time: 16:01:06 Time On Btm: 2010.09.14 @ 12:25:36
 Time Off Btm: 2010.09.14 @ 14:00:06

TEST COMMENT: IF- Surface blow died after 5 min
 IS- No blow back
 FF- No blow
 FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2087.50	113.93	Initial Hydro-static
1	16.86	113.35	Open To Flow (1)
14	19.94	113.57	Shut-In(1)
48	691.27	113.98	Shut-In(2)
48	23.67	113.79	Open To Flow (2)
64	27.35	114.04	Shut-In(3)
93	156.89	114.65	End Shut-In(1)
95	2060.60	115.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	OCM 65% mud 35% oil	0.20

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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	OCM 65% mud 35% oil	0.197

Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

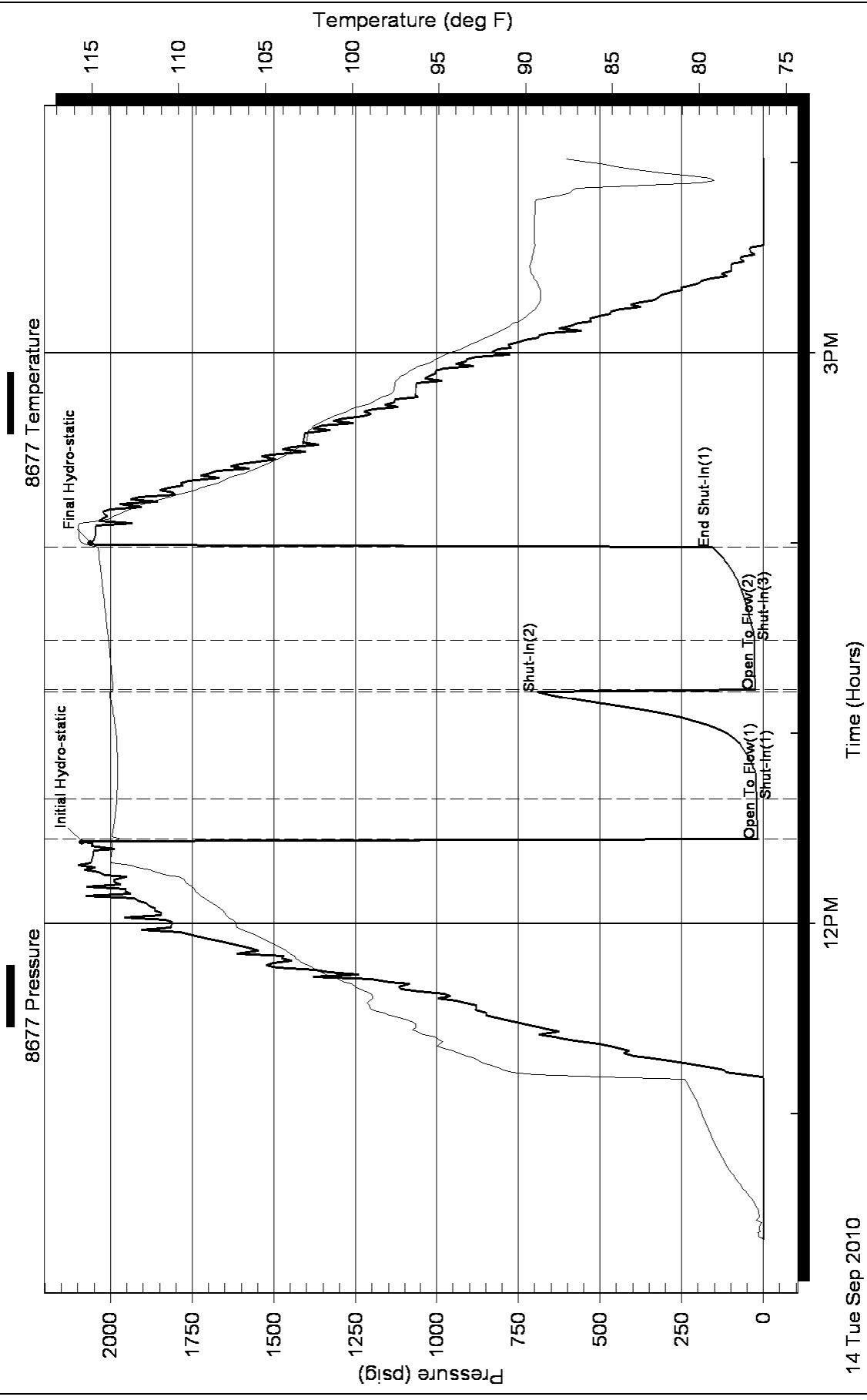
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



14 Tue Sep 2010

3PM

12PM

Time (Hours)