DRILL STEM TEST REPORT

Samuel Gary JR & Associates, Inc

1515 Wynkoop
Suite 700
Denver, CO 80202
ATTN: Clayton Camozzi

R.A.M. #1-3

3-17s-16w-RUSH-KS

Job Ticket: 39458 **DST#: 2**

Test Start: 2010.10.03 @ 14:30:00

GENERAL INFORMATION:

Formation: **LANSING "F&G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:50:30
Time Test Ended: 19:53:50

Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 43

Interval: 3335.00 ft (KB) To 3378.00 ft (KB) (TVD)
Total Depth: 3378.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

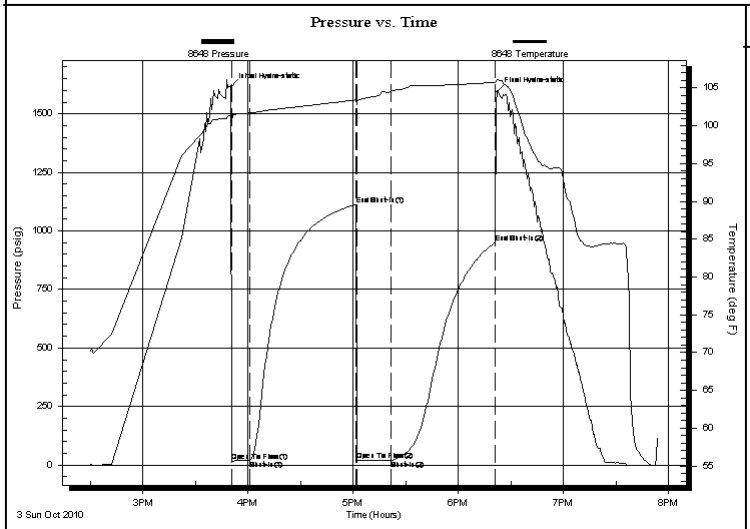
Reference Elevations: 1989.00 ft (KB)
1979.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8648 **Inside**

Press@RunDepth: 22.36 psig @ 3336.00 ft (KB)
Start Date: 2010.10.03 End Date: 2010.10.03
Start Time: 14:30:05 End Time: 19:53:50

Capacity: 8000.00 psig
Last Calib.: 2010.10.03
Time On Btm: 2010.10.03 @ 15:50:20
Time Off Btm: 2010.10.03 @ 18:22:20

TEST COMMENT: IF: Weak .25" blow .
ISI: No blow back.
FF: No blow .
FSI: No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1614.00	101.44	Initial Hydro-static
1	17.22	100.57	Open To Flow (1)
11	18.50	101.70	Shut-In(1)
72	1112.69	103.42	End Shut-In(1)
72	19.26	103.11	Open To Flow (2)
92	22.36	104.54	Shut-In(2)
151	949.23	105.75	End Shut-In(2)
152	1593.31	106.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 1%o 99%m	0.07

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8200.00 ppm				
Filter Cake:	inches				

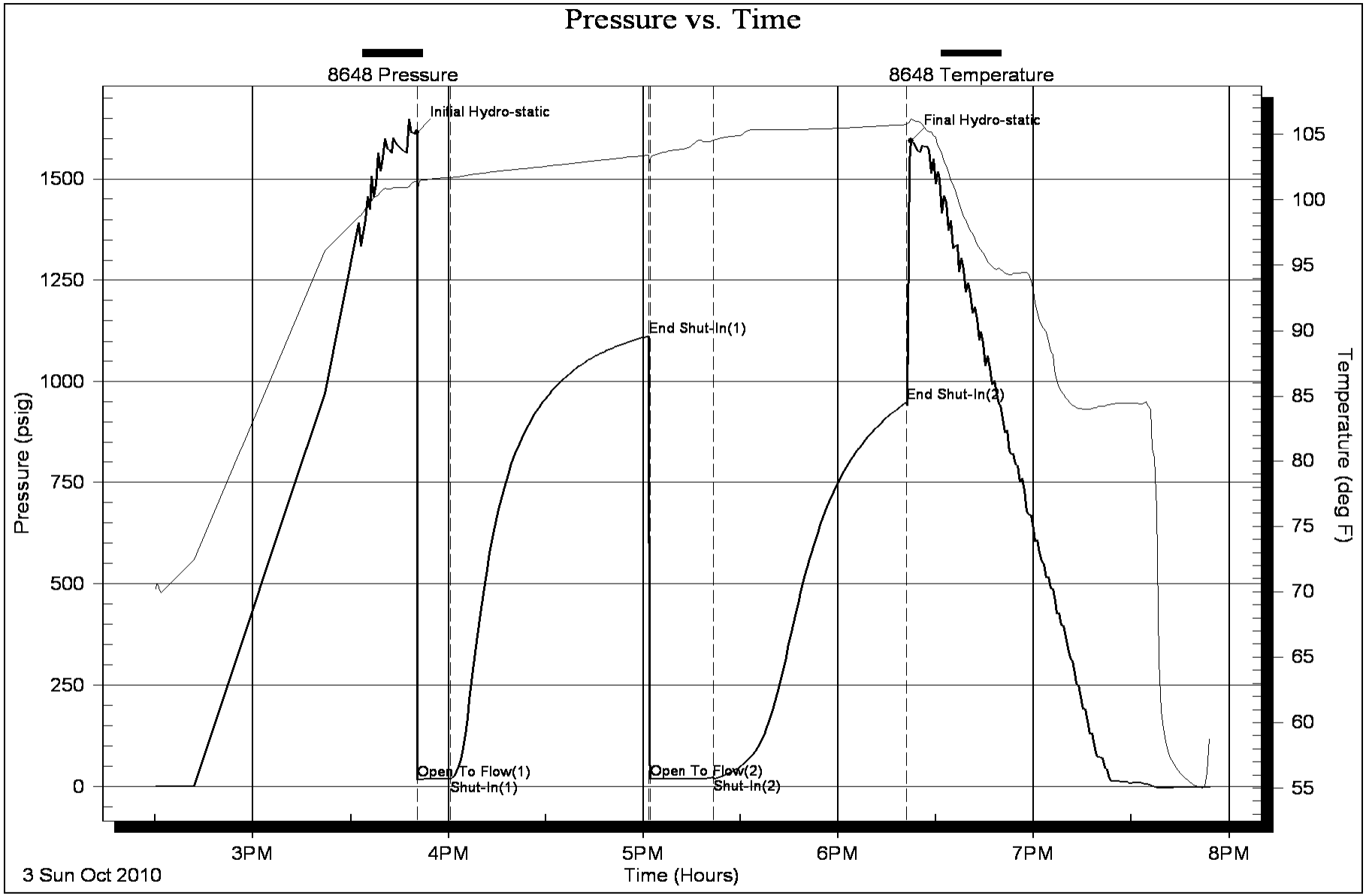
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 1%o 99%m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8648 Pressure
8648 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
Time (Hours)
3 Sun Oct 2010
3PM
4PM
5PM
6PM
7PM
8PM
0
250
500
750
1000
1250
1500
55
60
65
70
75
80
85
90
95
100
105