DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

PO Box 783188
Wichita, KS. 67278

ATTN: Max Lovely

30-19s-21w-Ness

Moore DP #8

Job Ticket: 46429 **DST#: 1**

Test Start: 2012.02.13 @ 18:57:09

GENERAL INFORMATION:

Formation: **Mississipp**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 22:24:39
Time Test Ended: 04:32:24

Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54

Interval: 4395.00 ft (KB) To 4413.00 ft (KB) (TVD)
Total Depth: 4413.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

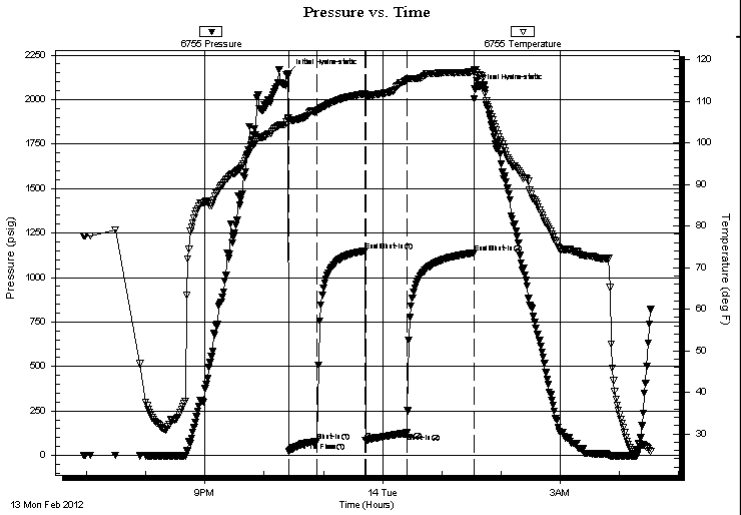
Reference Elevations: 2286.00 ft (KB)
2276.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 **Inside**

Press@RunDepth: 126.41 psig @ 4400.00 ft (KB)
Start Date: 2012.02.13 End Date: 2012.02.14
Start Time: 18:57:11 End Time: 04:32:24

Capacity: 8000.00 psig
Last Calib.: 2012.02.14
Time On Btm: 2012.02.13 @ 22:24:24
Time Off Btm: 2012.02.14 @ 01:33:09

TEST COMMENT: IFP-Good Blow , BOB oin 21 Min.
ISI-Blow back Built to 1/2"
FFP-Good Blow , BOB in 28 Min.
FSI-Blow back Built to 1"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.53	105.94	Initial Hydro-static
1	20.95	105.30	Open To Flow (1)
30	80.01	107.56	Shut-In(1)
78	1150.32	111.84	End Shut-In(1)
79	86.07	111.34	Open To Flow (2)
121	126.41	115.11	Shut-In(2)
188	1138.45	117.14	End Shut-In(2)
189	2061.94	117.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	SOCMW-10%O-75%W-15%M	1.83
40.00	Free Oil	0.56
0.00	60' Gas In Pipe	0.00

Gas Rates

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

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FLUID SUMMARY

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Test Start: 2012.02.13 @ 18:57:09

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	40 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	19500 ppm
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7100.00 ppm				
Filter Cake:	inches				

Recovery Information

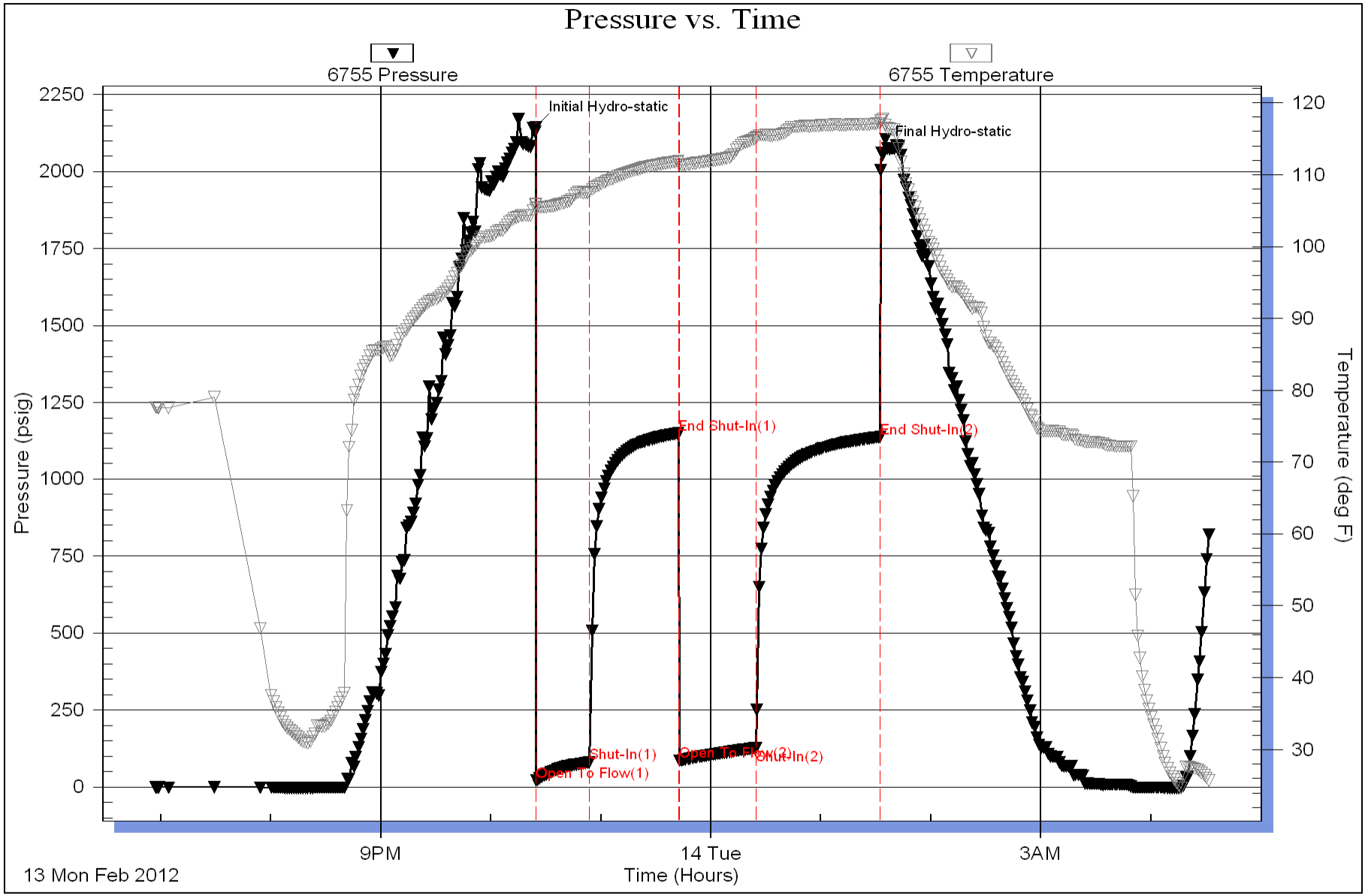
Recovery Table

Length ft	Description	Volume bbl
210.00	SOCMW-10%O-75%W-15%M	1.825
40.00	Free Oil	0.561
0.00	60' Gas In Pipe	0.000

Total Length: 250.00 ft Total Volume: 2.386 bbl

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

Serial #: 6755 **Inside** Ritchie Exploration, Inc. Moore DP#8 DST Test Number: 1



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