



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hess Oil Co
P O Box 1009
McPherson Ks 67460
ATTN:

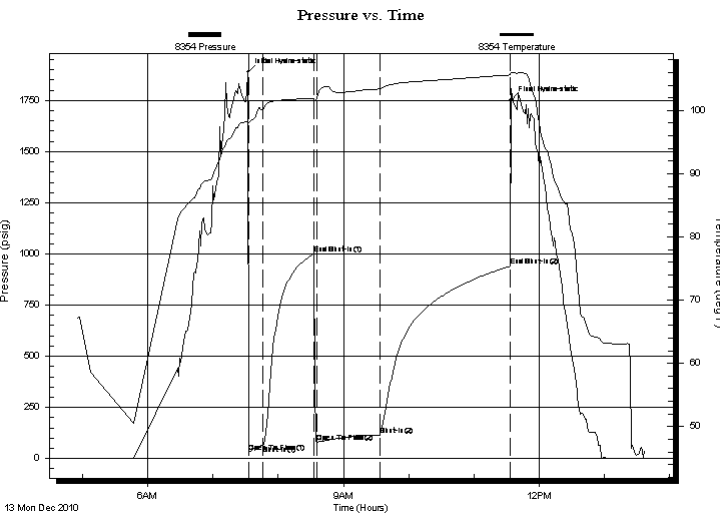
Pfister # 1-6
6-21-14-Stafford-Ks
Job Ticket: 041352 **DST#: 1**
Test Start: 2010.12.13 @ 04:55:12

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:33:12
Time Test Ended: 13:37:42
Interval: **3630.00 ft (KB) To 3694.00 ft (KB) (TVD)**
Total Depth: 3694.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 1927.00 ft (KB)
1922.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
Press @ Run Depth: 114.76 psig @ 3634.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.12.13 End Date: 2010.12.13 Last Calib.: 2010.12.13
Start Time: 04:55:13 End Time: 13:37:42 Time On Btm: 2010.12.13 @ 07:31:57
Time Off Btm: 2010.12.13 @ 11:33:57

TEST COMMENT: IF-Weak building to 6"
FF-Weak building to 7"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.03	98.27	Initial Hydro-static
2	31.70	98.02	Open To Flow (1)
14	64.08	100.21	Shut-In(1)
61	999.99	101.93	End Shut-In(1)
64	77.00	102.06	Open To Flow (2)
122	114.76	103.38	Shut-In(2)
242	940.52	105.60	End Shut-In(2)
242	1751.39	105.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
152.00	OCGsyM 10%g 40%o 50%m	0.75
75.00	CGsyO 10%g 90%o	0.51
0.00	248 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: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
152.00	OCSyM 10%g 40%o 50%m	0.748
75.00	CGsyO 10%g 90%o	0.505
0.00	248 GIP	0.000

Total Length: 227.00 ft Total Volume: 1.253 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

