



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hess Oil Co
PO Box 1009
McPherson, KS 67460
ATTN: Derek Patterson

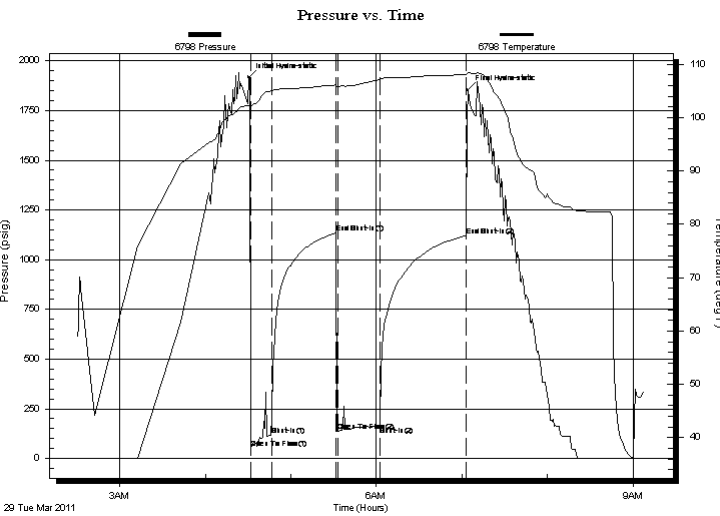
Wood #1-7
7-21S-14W Stafford
Job Ticket: 041399 **DST#: 1**
Test Start: 2011.03.29 @ 02:30:31

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:31:46
Time Test Ended: 09:08:16
Interval: 3670.00 ft (KB) To 3752.00 ft (KB) (TVD)
Total Depth: 3752.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 45
Reference Elevations: 1932.00 ft (KB)
1927.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6798 Inside
Press @ Run Depth: 163.34 psig @ 3671.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.29 End Date: 2011.03.29 Last Calib.: 2011.03.29
Start Time: 02:30:32 End Time: 09:08:16 Time On Btm: 2011.03.29 @ 04:30:31
Time Off Btm: 2011.03.29 @ 07:04:16

TEST COMMENT: IF: Fair Blow , Built to 7 inches
IS: Bled Off , No Blow back
FF: Fair Blow , Built To 7 1/2 inches
FS: Bled Off , No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.51	102.31	Initial Hydro-static
2	53.63	101.95	Open To Flow (1)
16	119.11	105.00	Shut-In(1)
62	1135.36	106.14	End Shut-In(1)
63	135.32	105.85	Open To Flow (2)
92	163.34	107.13	Shut-In(2)
153	1120.06	108.07	End Shut-In(2)
154	1853.73	108.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
243.00	GWOCM 5%G 5%W 20%O 70%	1.20
77.00	GOCM 5%G 20%O 75%M	1.08

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
243.00	GWOCM 5%G 5%W 20%O 70%	1.195
77.00	GOCM 5%G 20%O 75%M	1.080

Total Length: 320.00 ft Total Volume: 2.275 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

