



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hess Oil Company
P O Box 1009
McPherson Ks 67460-1009
ATTN: Bryan Hess

30-17s-22w Ness
Pamela #1
Job Ticket: 43473 **DST#: 1**
Test Start: 2011.05.29 @ 22:45:51

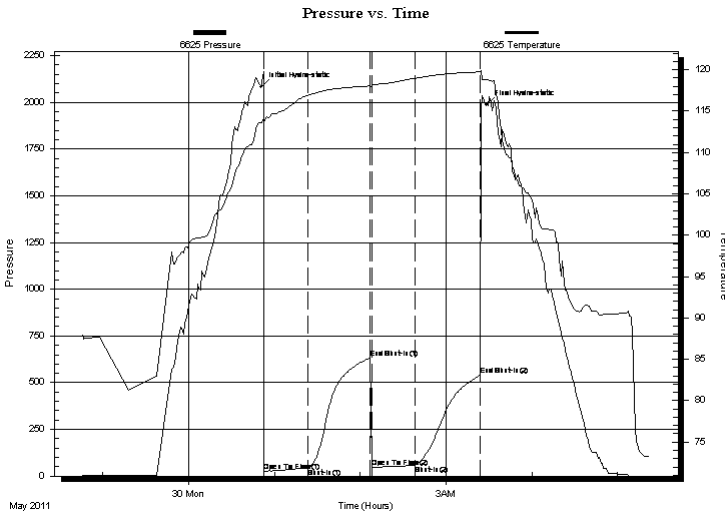
GENERAL INFORMATION:

Formation: **Cher Sd "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:52:46
Time Test Ended: 05:22:45
Interval: **4247.00 ft (KB) To 4276.00 ft (KB) (TVD)**
Total Depth: 4276.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42
Reference Elevations: 2325.00 ft (KB)
2320.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
Press @ Run Depth: 57.40 psig @ 4248.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.05.29 End Date: 2011.05.30 Last Calib.: 2011.05.30
Start Time: 22:45:51 End Time: 05:22:45 Time On Btm: 2011.05.30 @ 00:50:46
Time Off Btm: 2011.05.30 @ 03:28:15

TEST COMMENT: 30-IFP-w k bl 1/8"to 1/2"bl
45-ISIP-no bl
30-FFP-surface to 1/4"bl
45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.05	113.61	Initial Hydro-static
2	23.17	113.62	Open To Flow (1)
33	41.98	116.88	Shut-In(1)
76	633.75	118.04	End Shut-In(1)
77	47.26	117.97	Open To Flow (2)
108	57.40	118.96	Shut-In(2)
153	540.89	119.75	End Shut-In(2)
158	1986.34	118.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	HOCWM 30%O20%W50%M	0.39

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:	12000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.93 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	HOCWM 30%O20%W50%M	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .48@74F

