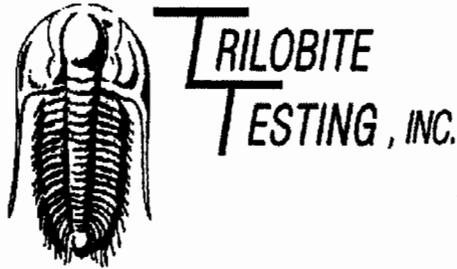


16-15s-22w



DRILL STEM TEST REPORT

Prepared For: **Hess Oil Company**

PO Box 1009
McPherson KS 67460

ATTN: Jamie Hess

16 15 22w Trego KS

Werth #1

Start Date: 2006.04.16 @ 00:46:25

End Date: 2006.04.16 @ 08:54:25

Job Ticket #: 23952 DST #: 1

15-195-22335-00-00

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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Hess Oil Company

Werth #1

16 15 22w Trego KS

DST # 1

Cherokee Sand

2006.04.16

057-201-0



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil Company
 PO Box 1009
 McPherson KS 67460
 ATTN: Jarrie Hess

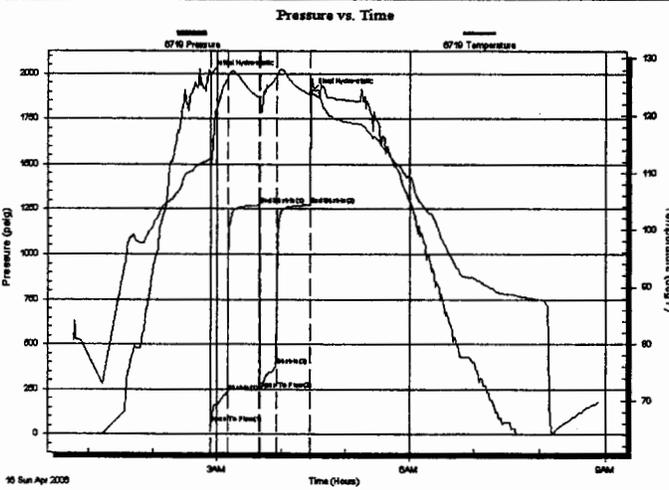
Werth #1
16 15 22w Trego KS
 Job Ticket: 23952 DST#: 1
 Test Start: 2006.04.16 @ 00:46:25

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:54:10
 Time Test Ended: 08:54:25
 Interval: **4055.00 ft (KB) To 4146.00 ft (KB) (TVD)**
 Total Depth: 4146.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 32
 Reference Elevations: 2208.00 ft (KB)
 2203.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6719 **Inside**
 Press@RunDepth: 377.43 psig @ 4059.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.04.16 End Date: 2006.04.16 Last Calib.: 2006.04.16
 Start Time: 00:46:27 End Time: 08:54:25 Time On Btmr: 2006.04.16 @ 02:53:40
 Time Off Btmr: 2006.04.16 @ 04:27:25

TEST COMMENT: IFP Good Blow BOBin 6"
 ISI Blow back Building to 1-1/4"
 FFP Good Blow BOB in 6"
 FSI Blow back Built to 1"



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.95	112.53	Initial Hydro-static
1	58.63	111.29	Open To Flow (1)
17	234.51	126.34	Shut-In(1)
46	1271.07	122.96	End Shut-In(1)
47	248.86	122.47	Open To Flow (2)
62	377.43	126.74	Shut-In(2)
94	1272.36	123.65	End Shut-In(2)
94	1896.52	123.73	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
240.00	MCO 10%G-50%O-40%M	1.18
120.00	GO 30%G 70%O	1.60
480.00	Free Oil	6.73

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hess Oil Company
PO Box 1009
McPherson KS 67460
ATTN: Jamie Hess

Werth #1
16 15 22w Trego KS
Job Ticket: 23952 **DST#: 1**
Test Start: 2006.04.16 @ 00:46:25

Tool Information

Drill Pipe:	Length: 3789.00 ft	Diameter: 3.80 inches	Volume: 53.15 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 54.37 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4055.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	119.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4028.00	
Shut In Tool	5.00			4033.00	
Hydraulic tool	5.00			4038.00	
Jars	5.00			4043.00	
Safety Joint	2.00			4045.00	
Packer	5.00			4050.00	28.00 Bottom Of Top Packer
Packer	5.00			4055.00	
Stubb	1.00			4056.00	
Perforations	2.00			4058.00	
Change Over Sub	1.00			4059.00	
Recorder	0.00	6719	Inside	4059.00	
Blank Spacing	63.00			4122.00	
Change Over Sub	1.00			4123.00	
Perforations	20.00			4143.00	
Recorder	0.00	13221	Outside	4143.00	
Bullnose	3.00			4146.00	91.00 Bottom Packers & Anchor
Total Tool Length:	119.00				

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

Werth #1

PO Box 1009
McPherson KS 67460

16-15 22w Trego KS

Job Ticket: 23952

DST#: 1

ATTN: Jamie Hess

Test Start: 2006.04.16 @ 00:46:25

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	MCO 10%G-50%O-40%M	1.180
120.00	GO 30%G 70%O	1.601
480.00	Free Oil	6.733

Total Length: 840.00 ft Total Volume: 9.514 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

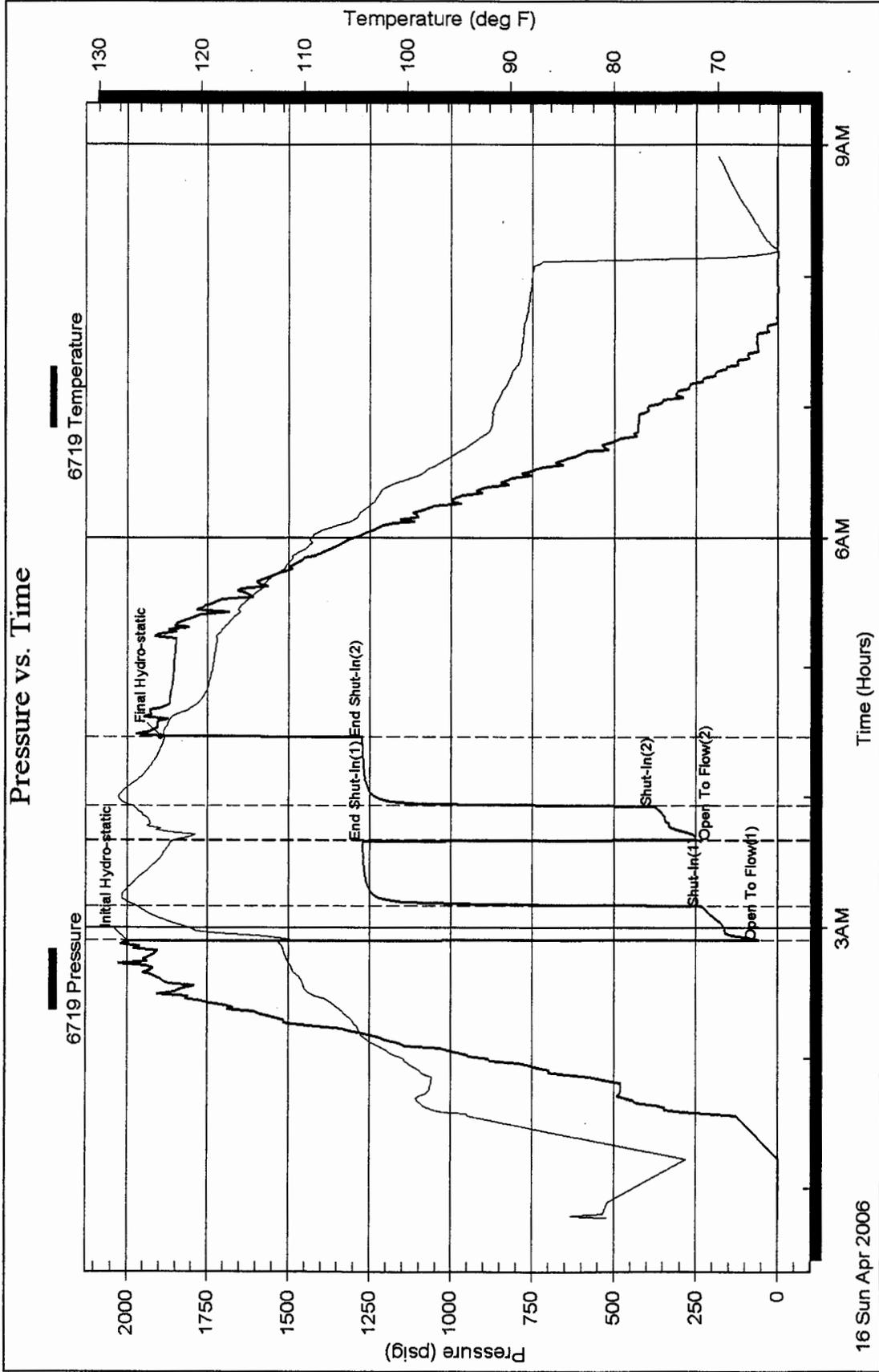
Serial #: 6719

Inside

Hess Oil Company

16 15 22w Trego KS

DST Test Number: 1



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Ref. No: 23952

Tribbitt Testing, Inc

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