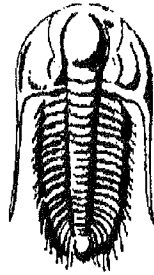


15-195-22585

20-15s-22w

90-15-22w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hess Oil Company**

PO Box 1009
McPherson, Ks., 67460-1009

ATTN: Jamie Hess

20-15s-22w-Trego KS

June #5 '01

Start Date: 2009.05.20 @ 12:20:21

End Date: 2009.05.20 @ 17:26:21

Job Ticket #: 36142 DST #: 1

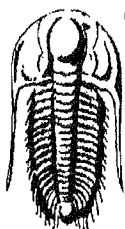
New name is June '01

MESS UN COMPANY
JUNE #
20-15S-22W-TREGO KS
JOB # 1
TRILOBITE TESTING
2009-05-20

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

KANSAS CORPORATION COMMISSION

**JUL 16 2009
RECEIVED**



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Company
PO Box 1009
McPherson, Ks., 67460-1009
ATTN: Jamie Hess

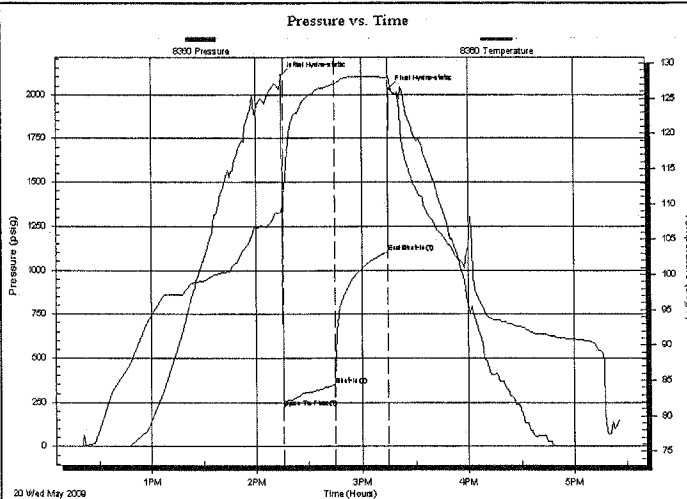
June #5
20-15s-22w-Trego KS
Job Ticket: 36142 DST#: 1
Test Start: 2009.05.20 @ 12:20:21

GENERAL INFORMATION:

Formation: **Cherokee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:15:51
Time Test Ended: 17:26:21
Interval: **4122.00 ft (KB) To 4214.00 ft (KB) (TVD)**
Total Depth: 4214.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32
Reference Elevations: 2270.00 ft (KB)
2265.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8360 Inside
Press@RunDepth: 348.87 psig @ 4127.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.05.20 End Date: 2009.05.20 Last Calib.: 2009.05.20
Start Time: 12:20:23 End Time: 17:26:21 Time On Btm: 2009.05.20 @ 14:14:51
Time Off Btm: 2009.05.20 @ 15:15:21

TEST COMMENT: IFP-Strong, BOB in 3 Min.
IS-Blow back Built to 1/4"
FFP-Pull Tool



PRESSURE SUMMARY

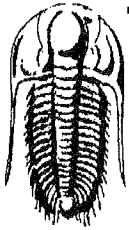
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2108.54	108.90	Initial Hydro-static
1	223.64	111.10	Open To Flow (1)
30	348.87	127.06	Shut-in(1)
60	1102.28	127.98	End Shut-in(1)
61	2030.17	128.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCO-60%O-40%M	0.15
210.00	Free Oil	1.55
370.00	GassyHOCM-10%G-50%O-40%M	5.19
120.00	OCWM-15%O-5%W-80%M	1.68
20.00	Free Oil	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hess Oil Company

June #5

PO Box 1009
McPherson, Ks., 67460-1009

20-15s-22w-Trego KS

Job Ticket: 36142

DST#: 1

ATTN: Jamie Hess

Test Start: 2009.05.20 @ 12:20:21

Tool Information

Drill Pipe:	Length: 3925.00 ft	Diameter: 3.80 inches	Volume: 55.06 bbl	Tool Weight:	2000.00 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	54000.00 lb
			<u>Total Volume: 55.96 bbl</u>	Tool Chased:	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	4122.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	92.00 ft				
Tool Length:	120.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

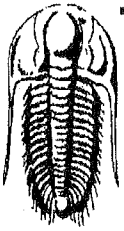
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4095.00	
Shut In Tool	5.00			4100.00	
Hydraulic tool	5.00			4105.00	
Jars	5.00			4110.00	
Safety Joint	2.00			4112.00	
Packer	5.00			4117.00	28.00 Bottom Of Top Packer
Packer	5.00			4122.00	
Stubb	1.00			4123.00	
Perforations	4.00			4127.00	
Recorder	0.00	8360	Inside	4127.00	
Change Over Sub	1.00			4128.00	
Recorder	0.00	6755	Inside	4128.00	
Blank Spacing	62.00			4190.00	
Change Over Sub	1.00			4191.00	
Perforations	20.00			4211.00	
Bullnose	3.00			4214.00	92.00 Bottom Packers & Anchor
Total Tool Length:	120.00				

KANSAS CORPORATION COMMISSION

JUL 16 2009

RECEIVED



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company
 PO Box 1009
 McPherson, Ks., 67460-1009
 ATTN: Jamie Hess

June #5
20-15s-22w-Trego KS
 Job Ticket: 36142 **DST#: 1**
 Test Start: 2009.05.20 @ 12:20:21

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl	
Water Loss: 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
30.00	MCO-60%O-40%M	0.148
210.00	Free Oil	1.552
370.00	GassyHOCM-10%G-50%O-40%M	5.190
120.00	OCWM-15%O-5%W-80%M	1.683
20.00	Free Oil	0.281

Total Length: 750.00 ft Total Volume: 8.854 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8360

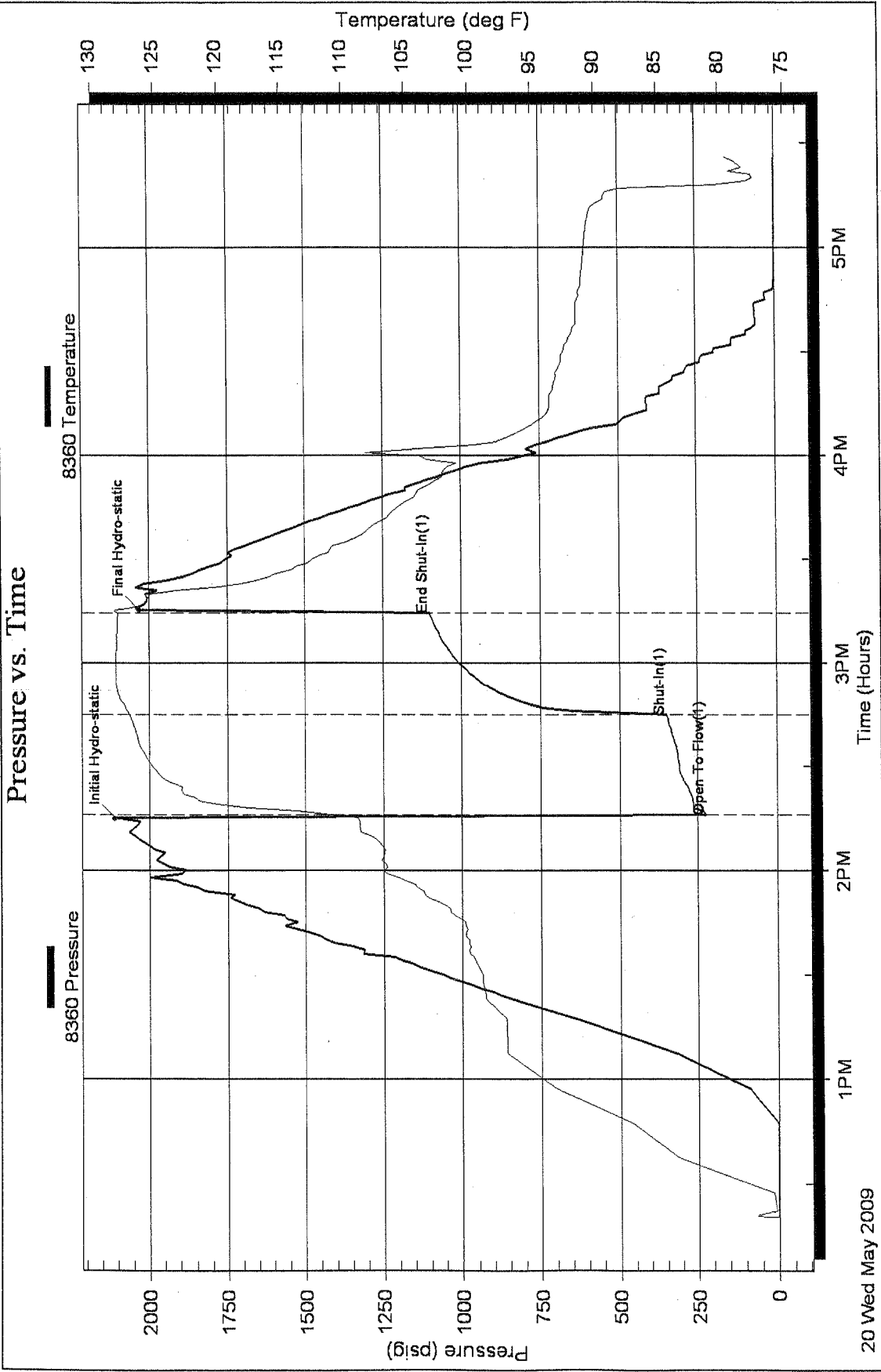
Inside

Hess Oil Company

20-15s-22w - Trego KS

DST Test Number: 1

Pressure vs. Time



RECEIVED

JUL 16 2009

Ref. No: 36142

Trilobite Testing, Inc

Printed: 2009.05.21 @ 11:09:45 Page 5

KANSAS CORPORATION COMMISSION