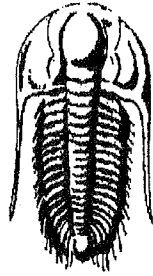


15-195-22489

3-14s-22w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hess Oil**

PO Box 1009
McPherson KS 67460

ATTN: Beth Isem

3 14S 22W Trego KS

Kathleen #1

Start Date: 2007.10.23 @ 19:23:29

End Date: 2007.10.24 @ 02:48:23

Job Ticket #: 30640 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 28 2007

CONSERVATION DIVISION
WICHITA, KS

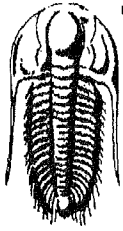
Hess Oil

Name #1

3-14S 22W Trego KS
Kathleen #1

Job #

Job #



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hess Oil
PO Box 1009
McPherson KS 67460
ATTN: Beth Isern

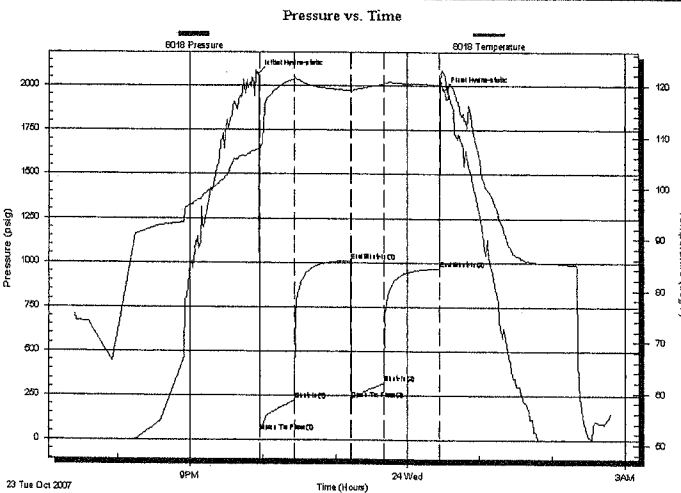
Kathleen #1
3 14S 22W Trego KS
Job Ticket: 30640 **DST#: 1**
Test Start: 2007.10.23 @ 19:23:29

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:57:24
 Time Test Ended: 02:48:23
 Interval: **4120.00 ft (KB) To 4197.00 ft (KB) (TVD)**
 Total Depth: 4170.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2320.00 ft (KB)
 2315.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 319.78 psig @ 4124.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2007.10.23 End Date: 2007.10.24 Last Calib.: 2007.10.24
 Start Time: 19:23:29 End Time: 02:48:23 Time On Btm: 2007.10.23 @ 21:55:54
 Time Off Btm: 2007.10.24 @ 00:30:23

TEST COMMENT: IFF BOB 8 1/2 min.
 ISI No blow back 6 min. w weak intermittent blow died 31 min.
 FFP BOB 12 min.
 FSI No blow back



PRESSURE SUMMARY

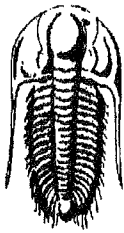
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2067.68	107.58	Initial Hydro-static
2	43.13	107.41	Open To Flow (1)
30	221.98	121.21	Shut-In(1)
76	1011.55	119.09	End Shut-In(1)
77	230.02	118.79	Open To Flow (2)
105	319.78	120.38	Shut-In(2)
151	968.14	120.26	End Shut-In(2)
155	1974.88	122.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW w/scum 0 60%W 40%M	0.59
60.00	GM & WCO 80%O 10%W 10%M	0.30
350.00	GO & WCM 5%G 15%O 20%W 60%M	4.32
130.00	G & WHOCM 5%G 30%O 10%W 55%M	1.82
20.00	FREE OIL 93%O 7%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hess Oil
PO Box 1009
McPherson KS 67460
ATTN: Beth Isern

Kathleen #1
3 14S 22W Trego KS
Job Ticket: 30640 **DST#: 1**
Test Start: 2007.10.23 @ 19:23:29

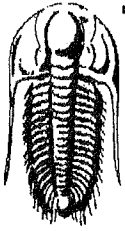
Tool Information

Drill Pipe:	Length: 3861.00 ft	Diameter: 3.80 inches	Volume: 54.16 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 55.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4120.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	77.02 ft			
Tool Length:	104.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4098.00	
Hydraulic tool	5.00			4103.00	
Jars	5.00			4108.00	
Safety Joint	2.00			4110.00	
Packer	5.00			4115.00	27.00 Bottom Of Top Packer
Packer	5.00			4120.00	
Stubb	1.00			4121.00	
Perforations	3.00			4124.00	
Recorder	0.01	8018	Inside	4124.01	
Change Over Sub	1.00			4125.01	
Blank Spacing	63.00			4188.01	
Change Over Sub	1.00			4189.01	
Perforations	5.00			4194.01	
Recorder	0.01	13548	Outside	4194.02	
Bullnose	3.00			4197.02	77.02 Bottom Packers & Anchor

Total Tool Length: 104.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil
PO Box 1009
McPherson KS 67460
ATTN: Beth Isern

Kathleen #1
3 14S 22W Trego KS
Job Ticket: 30640 **DST#: 1**
Test Start: 2007.10.23 @ 19:23:29

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 16000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.16 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW w/scum 0 60%W 40%M	0.590
60.00	GM & WCO 80%O 10%W 10%M	0.295
350.00	GO& WCM 5%G 15%O 20%W 60%M	4.317
130.00	G & WHOCM 5%G 30%O 10%W 55%M	1.824
20.00	FREE OIL 93%O 7%M	0.281

Total Length: 680.00 ft Total Volume: 7.307 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 75' GIP

Serial #: 8018

Inside

Hess Oil

3 14S 22W Trego KS

DST Test Number: 1

Pressure vs. Time

