

15-195-22523



DRILL STEM TEST REPORT

Prepared For: **Hess Oil Comapny**
PO Box 1009
McPherson KS 67460

ATTN: Jamie Hess

26 15 25 Trego KS

Gless B #3

Gless 'B'

Start Date: 2008.01.08 @ 20:54:49
End Date: 2008.01.09 @ 02:10:13
Job Ticket #: 29771 DST #: 1

Hess Oil Comapny

Gless
Gless B #3

26 15 25 Trego KS

DST # 1

Miss

2008.01.08

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 0 8 2008

CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

Gless B #3
26 15 25 Trego KS
Job Ticket: 29771 **DST#: 1**
Test Start: 2008.01.08 @ 20:54:49

GENERAL INFORMATION:

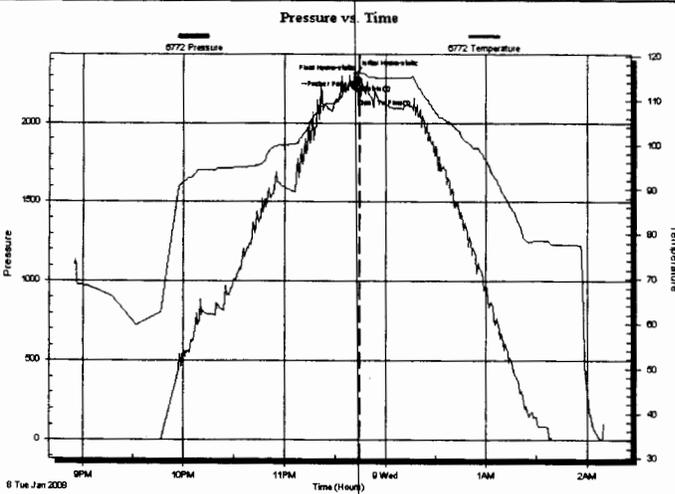
Formation: **Miss**
Deviated: **No** Whipstock ft (KB)
Time Tool Opened: 23:43:44
Time Test Ended: 02:10:13
Interval: **4464.00 ft (KB) To 4492.00 ft (KB) (TVD)**
Total Depth: 4492.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35
Reference Elevations: 2526.00 ft (KB)
2521.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6772

Outside

Press@RunDepth: psig @ 4465.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.01.08 End Date: 2008.01.09 Last Calib.: 2008.01.09
Start Time: 20:54:49 End Time: 02:10:13 Time On Btm: 2008.01.08 @ 23:41:44
Time Off Btm: 2008.01.08 @ 23:45:29

TEST COMMENT: Packer failed at open



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2311.82	114.72	Initial Hydro-static
2	2099.84	116.43	Open To Flow (1)
3	2189.40	116.29	Shut-in(1)
3	2177.63	116.21	--Packer Failure
4	2280.01	116.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
372.00	100%M	2.96

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hess Oil Company

Gless B #3

PO Box 1009
McPherson KS 67460

26 15 25 Trego KS

Job Ticket: 29771 **DST#: 1**

ATTN: Jamie Hess

Test Start: 2008.01.08 @ 20:54:49

Tool Information

Drill Pipe:	Length: 4209.00 ft	Diameter: 3.80 inches	Volume: 59.04 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 58000.00 lb
		Total Volume: 60.26 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4464.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4445.00	
Shut In Tool	5.00			4450.00	
Hydraulic tool	5.00			4455.00	
Packer	5.00			4460.00	20.00 Bottom Of Top Packer
Packer	4.00			4464.00	
Stubb	1.00			4465.00	
Recorder	0.00	6769	Inside	4465.00	
Recorder	0.00	6772	Outside	4465.00	
Perforations	22.00			4487.00	
Bullnose	5.00			4492.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

Gless B #3

PO Box 1009
McPherson KS 67460

26 15 25 Trego KS

Job Ticket: 29771

DST#: 1

ATTN: Jamie Hess

Test Start: 2008.01.08 @ 20:54:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
372.00	100%M	2.959

Total Length: 372.00 ft Total Volume: 2.959 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

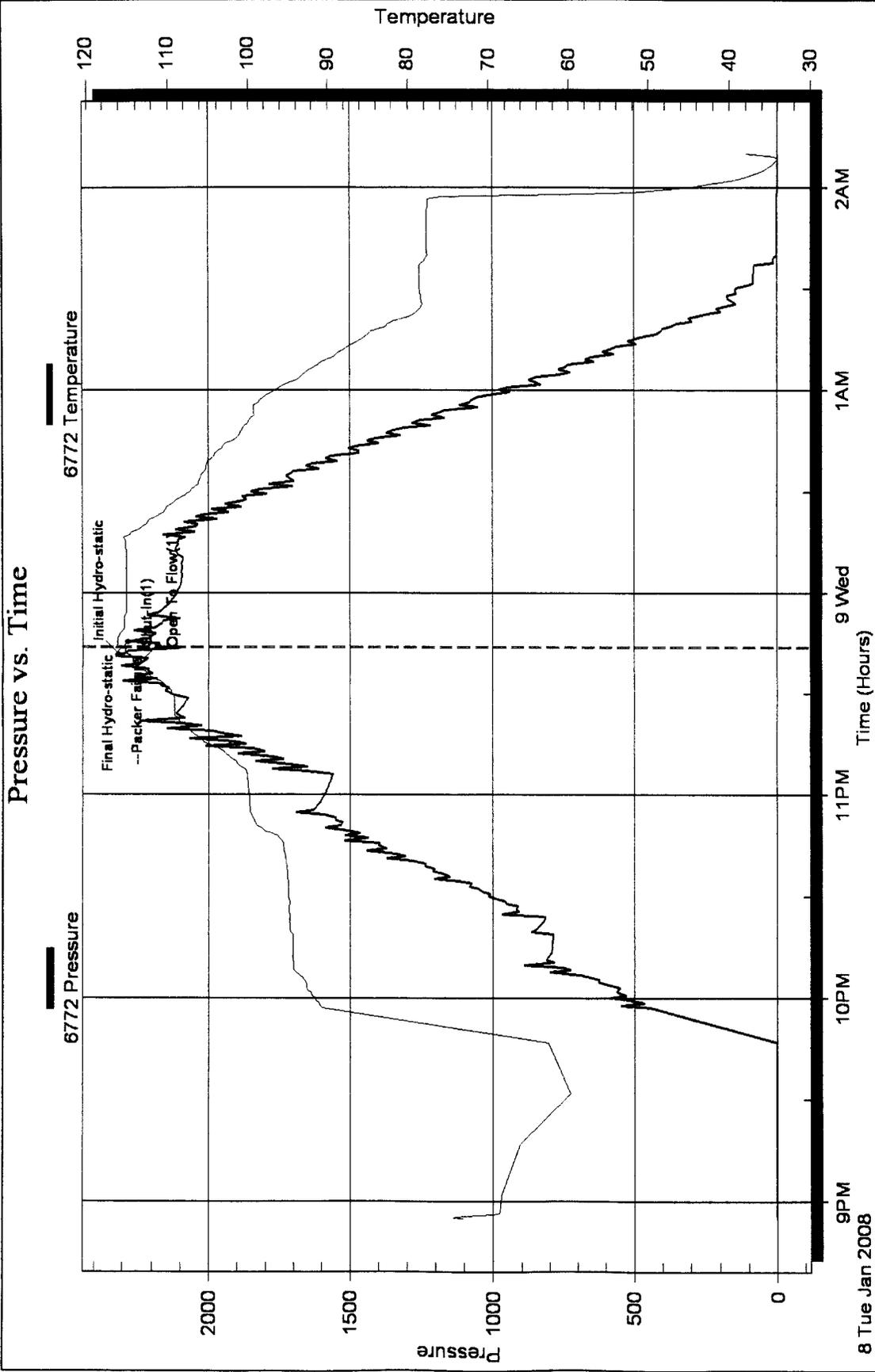
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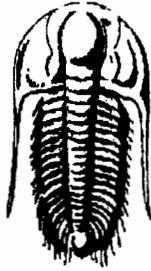
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hess Oil Comapny**

PO Box 1009
McPherson KS 67460

ATTN: Jamie Hess

26 15 25 Trego KS

Gless B #3

Start Date: 2008.01.09 @ 02:20:27

End Date: 2008.01.09 @ 08:00:21

Job Ticket #: 29772 DST #: 2

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KANSAS CORPORATION COMMISSION

AUG 08 2008

CONSERVATION DIVISION
WICHITA, KS

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

Hess Oil Comapny

Gless B #3

26 15 25 Trego KS

DST # 2

Miss

2008.01.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hess Oil Company

Gless B #3

PO Box 1009
McPherson KS 67460

26 15 25 Trego KS

Job Ticket: 29772 **DST#: 2**

ATTN: Jamie Hess

Test Start: 2008.01.09 @ 02:20:27

Tool Information

Drill Pipe:	Length: 4146.00 ft	Diameter: 3.80 inches	Volume: 58.16 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 59.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4396.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	116.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4377.00	
Shut In Tool	5.00			4382.00	
Hydraulic tool	5.00			4387.00	
Packer	5.00			4392.00	20.00 Bottom Of Top Packer
Packer	4.00			4396.00	
Stubb	1.00			4397.00	
Recorder	0.00	6769	Inside	4397.00	
Recorder	0.00	6772	Outside	4397.00	
Perforations	26.00			4423.00	
Change Over Sub	1.00			4424.00	
Drill Pipe	62.00			4486.00	
Change Over Sub	1.00			4487.00	
Bullnose	5.00			4492.00	96.00 Bottom Packers & Anchor

Total Tool Length: 116.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

Gless B #3

PO Box 1009
McPherson KS 67460

26 15 25 Trego KS

Job Ticket: 29772

DST#: 2

ATTN: Jamie Hess

Test Start: 2008.01.09 @ 02:20:27

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	100%M	2.089

Total Length: 310.00 ft Total Volume: 2.089 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

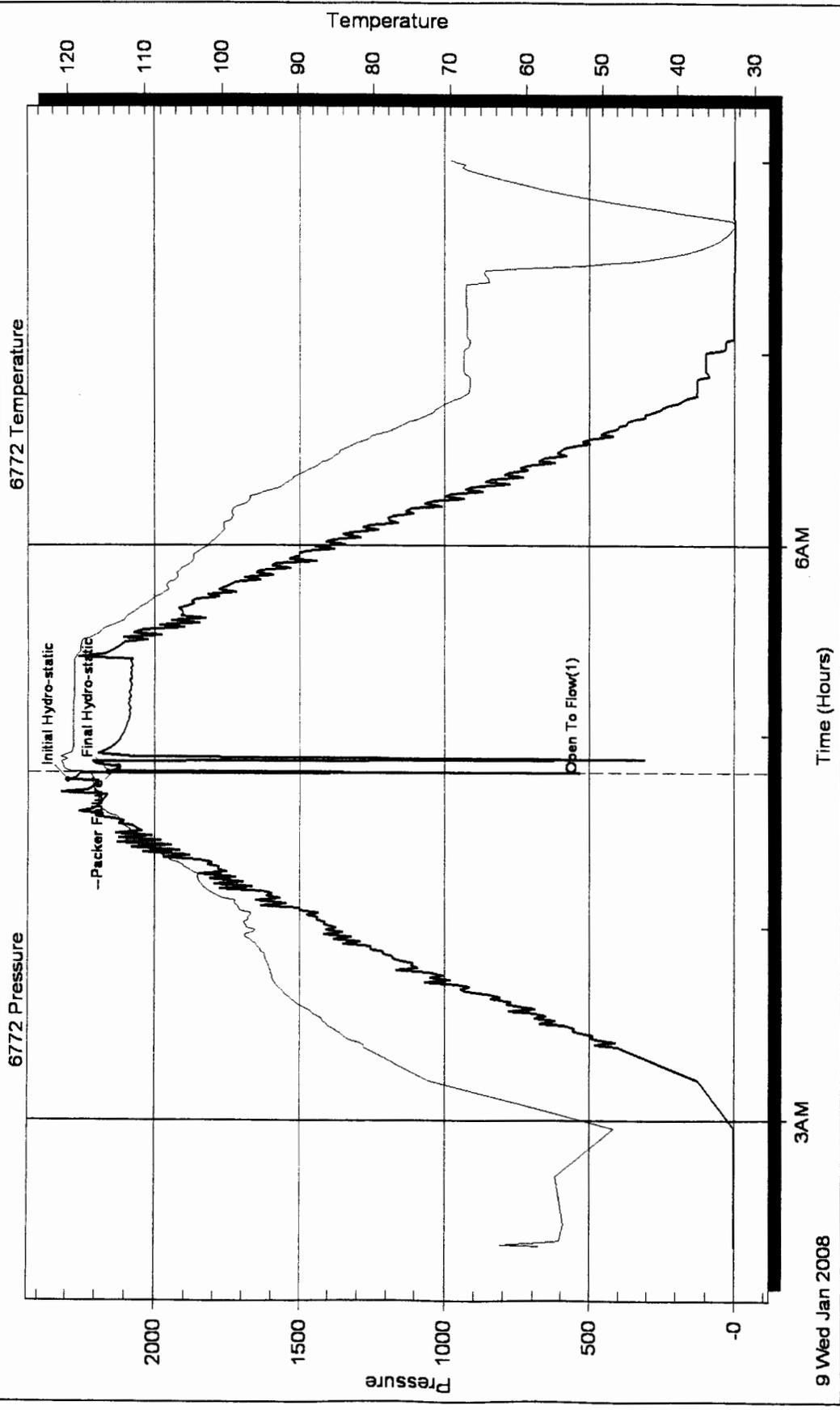
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

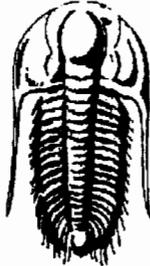


9 Wed Jan 2008

3AM

Time (Hours)

6AM



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hess Oil Comapny**

PO Box 1009
McPherson KS 67460

ATTN: Jamie Hess

26 15 25 Trego KS

Gless B #3

Start Date: 2008.01.09 @ 22:00:18

End Date: 2008.01.10 @ 06:41:13

Job Ticket #: 29773 DST #: 3

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WICHITA, KS

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Hess Oil Comapny

Gless B #3

26 15 25 Trego KS

DST # 3

Miss

2008.01.09



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DRILL STEM TEST REPORT

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

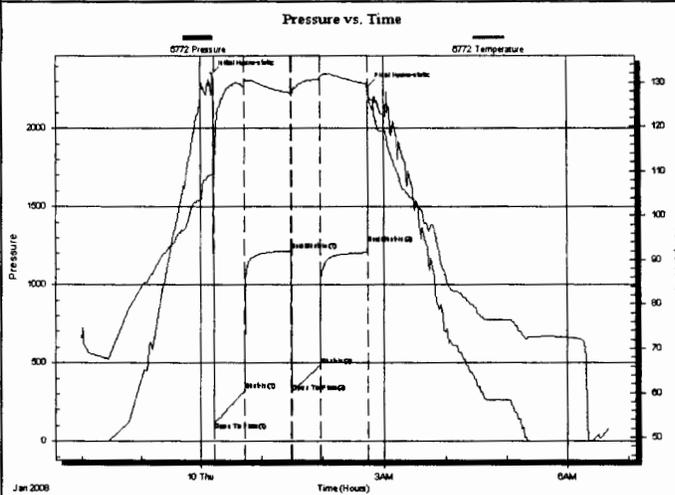
Gless B #3
26 15 25 Trego KS
Job Ticket: 29773 **DST#: 3**
Test Start: 2008.01.09 @ 22:00:18

GENERAL INFORMATION:

Formation: **Miss**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 00:12:58
Time Test Ended: 06:41:13
Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35
Interval: **4480.00 ft (KB) To 4496.00 ft (KB) (TVD)**
Reference Elevations: 2526.00 ft (KB)
Total Depth: 4496.00 ft (KB) (TVD) 2521.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6772 Outside
Press@RunDepth: 484.67 psig @ 4481.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.01.09 End Date: 2008.01.10 Last Calib.: 2008.01.10
Start Time: 22:00:18 End Time: 06:41:13 Time On Btm: 2008.01.10 @ 00:11:28
Time Off Btm: 2008.01.10 @ 02:44:57

TEST COMMENT: IF BOB in 4 min.
IS Surface blow built to 1 in 45 min.
FF BOB in 5 min.
FS Surface blow built to 1 1/2 in 45 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.25	109.24	Initial Hydro-static
2	70.52	108.58	Open To Flow (1)
32	321.69	129.13	Shut-In (1)
79	1218.47	127.52	End Shut-In (1)
79	315.40	127.12	Open To Flow (2)
107	484.67	130.65	Shut-In (2)
153	1263.94	129.58	End Shut-In (2)
154	2266.95	126.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MWCGO 40%G 30%O 10%W 20%M	2.09
558.00	MCGO 20%G 75%O 5%M	7.83
434.00	GO 20%G 80%O	6.09

Gas Rates

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



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TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hess Oil Company

Gless B #3

PO Box 1009
McPherson KS 67460

26 15 25 Trego KS

Job Ticket: 29773

DST#: 3

ATTN: Jamie Hess

Test Start: 2008.01.09 @ 22:00:18

Tool Information

Drill Pipe:	Length: 4240.00 ft	Diameter: 3.80 inches	Volume: 59.48 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 60.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4480.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4461.00	
Shut In Tool	5.00			4466.00	
Hydraulic tool	5.00			4471.00	
Packer	5.00			4476.00	20.00 Bottom Of Top Packer
Packer	4.00			4480.00	
Stubb	1.00			4481.00	
Recorder	0.00	6769	Inside	4481.00	
Recorder	0.00	6772	Outside	4481.00	
Perforations	10.00			4491.00	
Bullnose	5.00			4496.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



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FLUID SUMMARY

Hess Oil Company

Gless B #3

PO Box 1009
McPherson KS 67460

26 15 25 Trego KS

Job Ticket: 29773

DST#: 3

ATTN: Jamie Hess

Test Start: 2008.01.09 @ 22:00:18

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 8000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.38 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	MMVCGO 40%G 30%O 10%W 20%M	2.089
558.00	MCGO 20%G 75%O 5%M	7.827
434.00	GO 20%G 80%O	6.088

Total Length: 1302.00 ft Total Volume: 16.004 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

