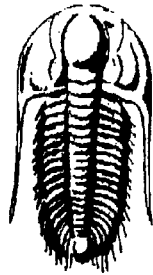


1-23s-31w

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TRILOBITE
TESTING, INC.

ORIGINAL

DRILL STEM TEST REPORT

Prepared For: **Hess Oil Company**

225 N. Market, Suite 300 Wichita, KS 67202

15-D55-21895-00-00

ATTN: Jamie Hess

1/23S/31W

Trekell #5-1

Start Date: 2005.12.05 @ 21:03:12

End Date: 2005.12.06 @ 05:00:52

Job Ticket #: 22345 DST #: 1

E2 NE SE

1920 PSL 330 FEL

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

225 N. Market, Suite 300 Wichita, KS 67202

ATTN: Jamie Hess

Trekell #5-1

1/23S/31W

Job Ticket: 22345

DST#: 1

Test Start: 2005.12.05 @ 21:03:12

GENERAL INFORMATION:

Formation: Miss. St. Louis

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:06:32

Time Test Ended: 05:00:52

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: 4810.00 ft (KB) To 4832.00 ft (KB) (TVD)

Total Depth: 4832.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2872.00 ft (KB)

2867.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 171.12 psig @ 4812.00 ft (KB)

Start Date: 2005.12.05

End Date:

2005.12.06

Start Time: 21:03:12

End Time:

05:00:51

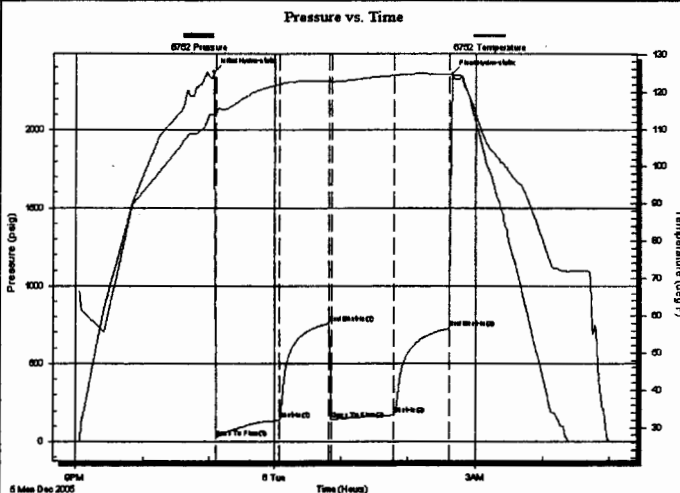
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btmr: 2005.12.05 @ 23:04:02

Time Off Btmr: 2005.12.06 @ 02:39:32

TEST COMMENT: IF: 5 inches in 35 min., steady blow
IS: No blow back
FF: 2 inches in 10 min., steady blow
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2373.45	114.01	Initial Hydro-static
3	27.28	114.24	Open To Flow (1)
61	139.81	122.14	Shut-In(1)
105	758.23	122.96	End Shut-In(1)
108	141.21	122.83	Open To Flow (2)
163	171.12	124.50	Shut-In(2)
213	725.43	124.87	End Shut-In(2)
216	2362.31	125.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	90%W,10%M	0.61
217.00	skimO,40%W,60%M	1.91

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hess Oil Company

225 N. Market, Suite 300 Wichita, KS 67202

ATTN: Jamie Hess

Trekell #5-1

1/23S/31W

Job Ticket: 22345

DST#: 1

Test Start: 2005.12.05 @ 21:03:12

Tool Information

Drill Pipe:	Length: 4563.00 ft	Diameter: 3.80 inches	Volume: 64.01 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 65.23 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4810.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 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			4791.00	
Shut In Tool	5.00			4796.00	
Hydraulic tool	5.00			4801.00	
Packer	5.00			4806.00	20.00 Bottom Of Top Packer
Packer	4.00			4810.00	
Stubb	1.00			4811.00	
Perforations	1.00			4812.00	
Recorder	0.00	6752	Inside	4812.00	
Perforations	17.00			4829.00	
Recorder	0.00	13630	Inside	4829.00	
Bullnose	3.00			4832.00	22.00 Bottom Packers & Anchor

Total Tool Length: 42.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

Trekell #5-1

225 N. Market, Suite 300 Wichita, KS 67202

1/23S/31W

Job Ticket: 22345

DST#: 1

ATTN: Jamie Hess

Test Start: 2005.12.05 @ 21:03:12

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:

90000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

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
124.00	90%W,10%M	0.610
217.00	skimO,40%W,60%M	1.905

Total Length: 341.00 ft

Total Volume:

2.515 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.145@44F=90000ppm

DST Test Number: 1

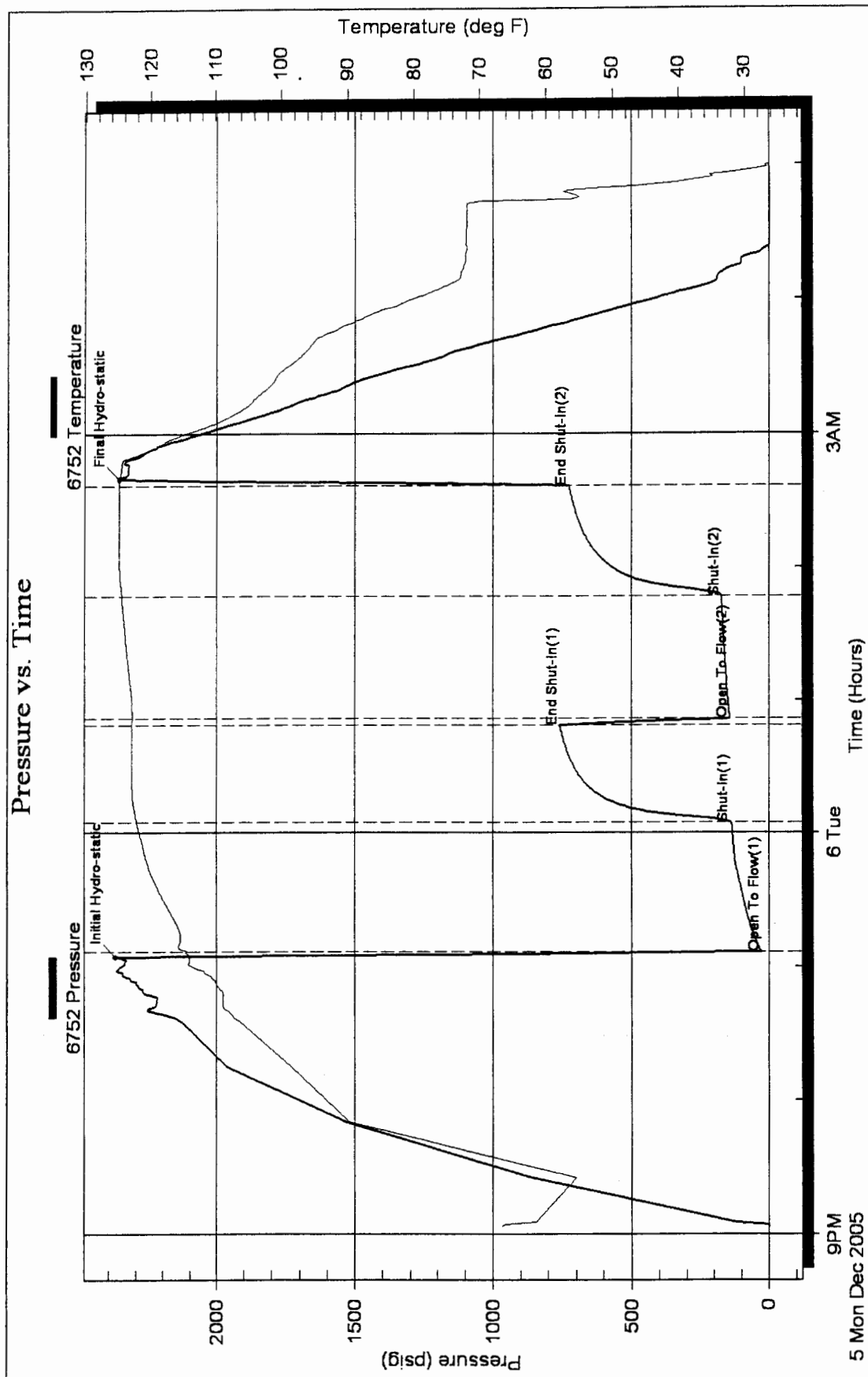
1/23S/31W

Hess Oil Company

Inside

Serial #: 6752

Pressure vs. Time



Ref. No: 22345

Trilobite Testing, Inc

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