

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 Waterfront Parkway Bldg 500
Wichita KS 67206

ATTN: Roger Martin

3 31S 24W Clark KS

McFadden 1-3

Start Date: 2007.09.30 @ 20:45:05

End Date: 2007.10.01 @ 07:56:00

Job Ticket #: 27259 DST #: 1

15-025 - 21+25

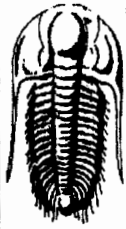
W2 W2 NE

1470 FNL 2310 FEL

Trilobite Testing, Inc

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ATTN: Roger Martin

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Job Ticket: 27259 **DST#: 1**
Test Start: 2007.09.30 @ 20:45:05

GENERAL INFORMATION:

Formation: **Morrow Miss**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 01:02:59
Time Test Ended: 07:56:00

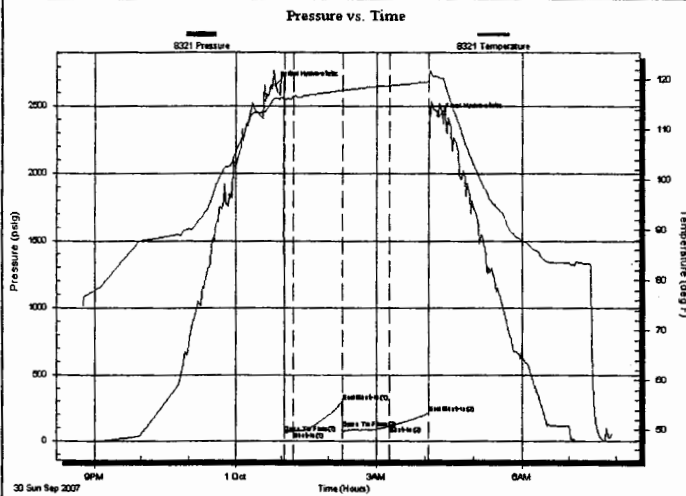
Interval: **5438.00 ft (KB) To 5530.00 ft (KB) (TVD)**
Total Depth: **5530.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**
Tester: **Chris Hagman**
Unit No: **34**

Reference Elevations: **2557.00 ft (KB)**
2547.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8321 Inside
Press@RunDepth: **113.05 psig @ 5440.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2007.09.30** End Date: **2007.10.01** Last Calib.: **1899.12.30**
Start Time: **20:45:05** End Time: **07:56:00** Time On Btm: **2007.10.01 @ 00:51:15**
Time Off Btm: **2007.10.01 @ 04:15:44**

TEST COMMENT: IF 2 inches in 30 min. fair steady blow
ISI Weak surface blow
FF 1 inch in 45 min. weak steady blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2658.53	116.16	Initial Hydro-static
12	56.37	115.93	Open To Flow (1)
24	76.48	116.59	Shut-In(1)
86	296.51	117.89	End Shut-In(1)
87	93.22	117.87	Open To Flow (2)
145	113.05	118.79	Shut-In(2)
193	210.83	119.63	End Shut-In(2)
205	2427.20	120.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
72.00	OWM skim O 10%W 90%M	0.35

Gas Rates

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



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TOOL DIAGRAM

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ATTN: Roger Martin

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3 31S 24W Clark KS
Job Ticket: 27259 **DST#: 1**
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Tool Information

Drill Pipe:	Length: 5295.00 ft	Diameter: 3.80 inches	Volume: 74.27 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: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	110000.0 lb
			Total Volume: 74.89 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	5438.00 ft			Final	72000.00 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:

Recorder 8321 did not create good file Pressures were taken from # 13630 and are as follows
IHS 656.5 FIF 67.9 FFF 79.2 ISI 248.9 SIF 113.1 SFF 113.1 FSI 214.9

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5411.00	
Shut In Tool	5.00			5416.00	
Hydraulic tool	5.00			5421.00	
Jars	5.00			5426.00	
Safety Joint	3.00			5429.00	
Packer	5.00			5434.00	28.00 Bottom Of Top Packer
Packer	4.00			5438.00	
Stubb	1.00			5439.00	
Perforations	1.00			5440.00	
Recorder	0.00	8321	Inside	5440.00	
Perforations	20.00			5460.00	
Change Over Sub	1.00			5461.00	
Drill Pipe	62.00			5523.00	
Change Over Sub	1.00			5524.00	
Perforations	3.00			5527.00	
Recorder	0.00	13630	Inside	5527.00	
Bullnose	3.00			5530.00	92.00 Bottom Packers & Anchor
Total Tool Length:	120.00				



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FLUID SUMMARY

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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:	14000 ppm
Viscosity: 41.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.96 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
72.00	OWM skim O 10%W 90%M	0.354

Total Length: 72.00 ft Total Volume: 0.354 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW=.575@58F=14,000ppm

Serial #: 8321

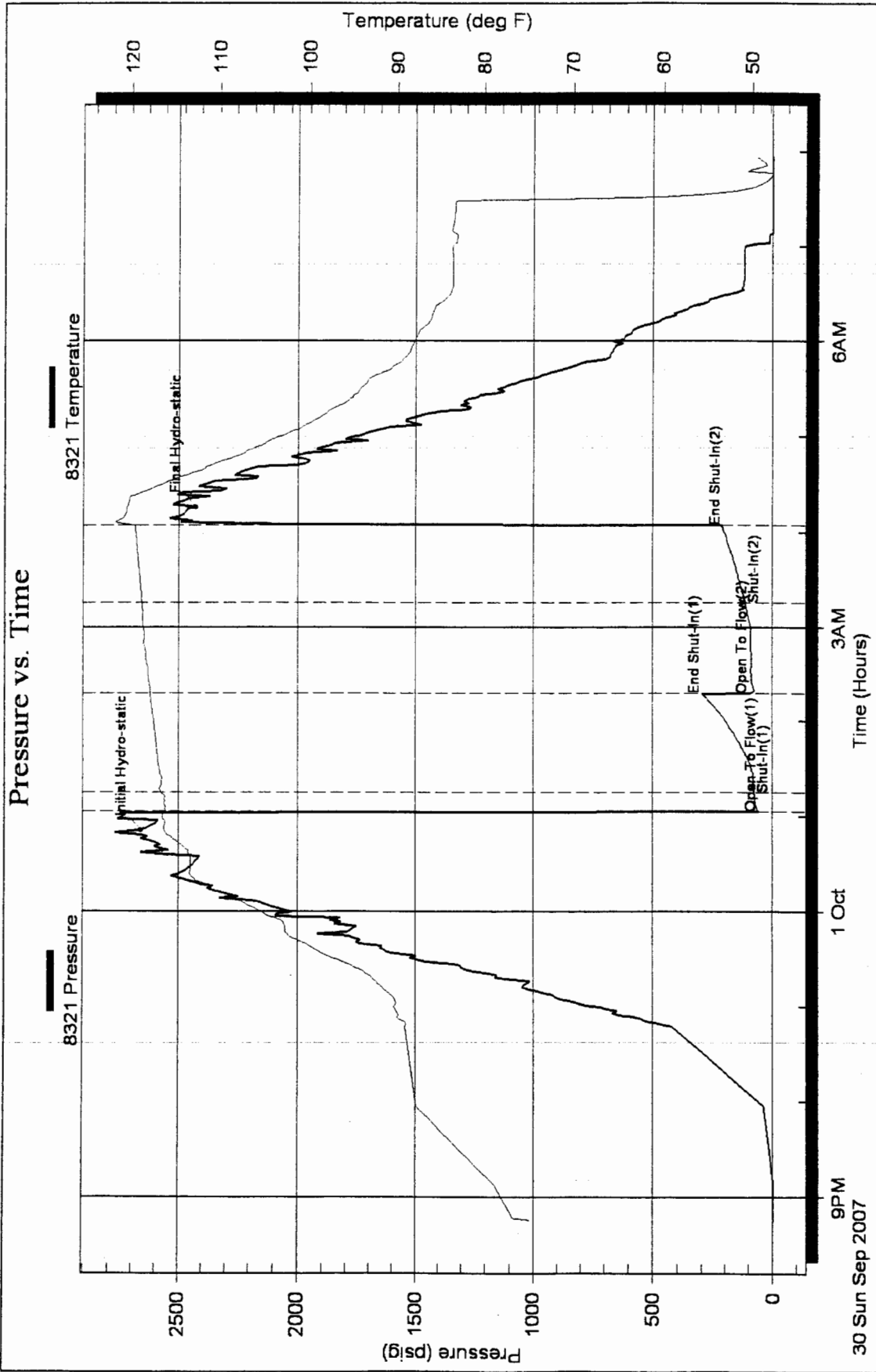
Inside

Vess Oil Corporation

3 31S 24W Clark KS

DST Test Number: 1

Pressure vs. Time



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Ref. No: 27259

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