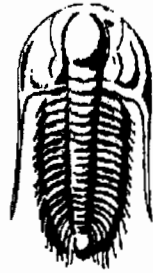


CONFIDENTIAL



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co Inc.**

12950 E 13th
Wichita, KS 67230

KCC
OCT 10 2005
CONFIDENTIAL

ATTN: Willis Hartman

18 21s 22w Hodgeman

Antrim #4

Start Date: 2005.09.07 @ 12:58:01

End Date: 2005.09.07 @ 22:50:46

Job Ticket #: 23551 DST #: 1

RECEIVED

OCT 20 2005

KCC WICHITA

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

Hartman Oil Co Inc.

Antrim #4

18 21s 22w Hodgeman

DST # 1

Ft Scott

2005.09.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co Inc.

Antrim #4

12950 E 13th
Wichita, KS 67230

18 21s 22w Hodgeman

Job Ticket: 23551

DST#: 1

ATTN: Willis Hartman

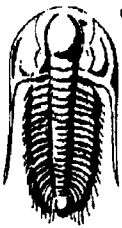
Test Start: 2005.09.07 @ 12:58:01

Tool Information

Drill Pipe:	Length: 3989.00 ft	Diameter: 3.80 inches	Volume: 55.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 312.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 57.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4290.00 ft			Final 92000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 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
Change Over Sub	1.00			4270.00	
Shut In Tool	5.00			4275.00	
Hydraulic tool	5.00			4280.00	
Packer	5.00			4285.00	21.00 Bottom Of Top Packer
Packer	5.00			4290.00	
Perforations	4.00			4294.00	
Recorder	0.00	8166	Inside	4294.00	
Perforations	20.00			4314.00	
Recorder	0.00	10991	Outside	4314.00	
Bullnose	3.00			4317.00	27.00 Bottom Packers & Anchor
Total Tool Length:	48.00				

 TRILOBITE TESTING, INC.		DRILL STEM TEST REPORT		FLUID SUMMARY																
		Hartman Oil Co Inc.		Antrim #4																
12950 E 13th Wichita, KS 67230		18 21s 22w Hodgeman		Job Ticket: 23551 DST#: 1																
ATTN: Willis Hartman		Test Start: 2005.09.07 @ 12:58:01																		
Mud and Cushion Information																				
Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API															
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm															
Viscosity:	52.00 sec/qt	Cushion Volume:	bbbl																	
Water Loss:	9.07 in ³	Gas Cushion Type:																		
Resistivity:	ohm.m	Gas Cushion Pressure:	psig																	
Salinity:	ppm																			
Filter Cake:	inches																			
Recovery Information																				
Recovery Table																				
<table border="1"> <thead> <tr> <th>Length ft</th> <th>Description</th> <th>Volume bbl</th> </tr> </thead> <tbody> <tr> <td>180.00</td> <td>Saltw ater</td> <td>0.885</td> </tr> <tr> <td>30.00</td> <td>Gassy W&M cut O 28%g 22%w 20%M 30%o</td> <td>0.148</td> </tr> <tr> <td>100.00</td> <td>Gassy O&W cut M 28%g 10%o 22%w 40%r</td> <td>0.492</td> </tr> <tr> <td>0.00</td> <td>360 GIP</td> <td>0.000</td> </tr> </tbody> </table>						Length ft	Description	Volume bbl	180.00	Saltw ater	0.885	30.00	Gassy W&M cut O 28%g 22%w 20%M 30%o	0.148	100.00	Gassy O&W cut M 28%g 10%o 22%w 40%r	0.492	0.00	360 GIP	0.000
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180.00	Saltw ater	0.885																		
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100.00	Gassy O&W cut M 28%g 10%o 22%w 40%r	0.492																		
0.00	360 GIP	0.000																		
Total Length:	310.00 ft	Total Volume:	1.525 bbl																	
Num Fluid Samples:	0	Num Gas Bombs:	0	Serial #:																
Laboratory Name:		Laboratory Location:																		
Recovery Comments:																				

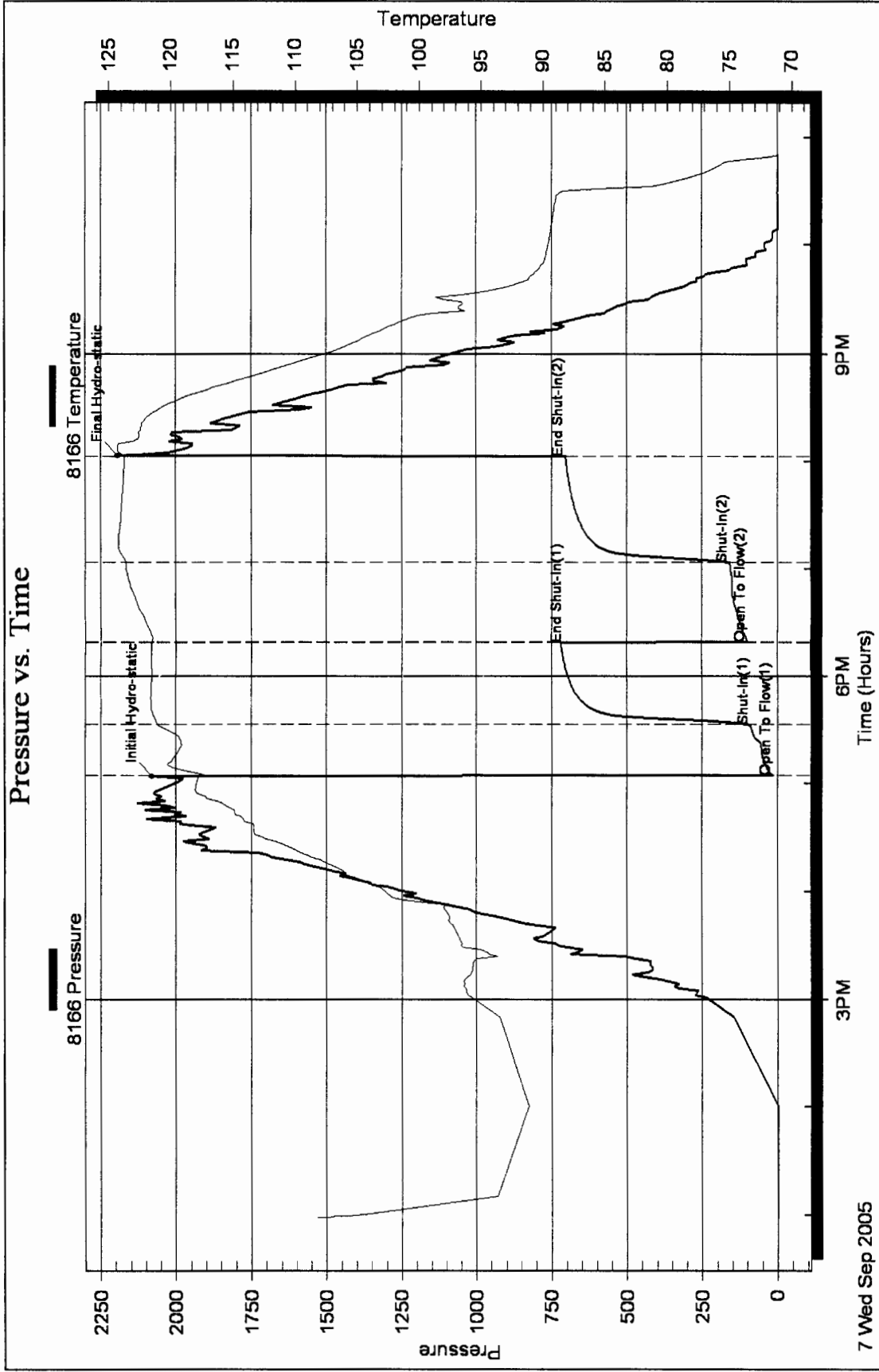
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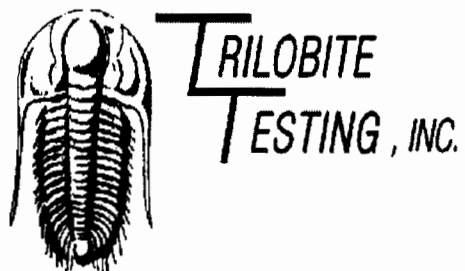
Inside

Hartman Oil Co Inc.

18 21s 22w Hodgeman

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co Inc.**

12950 E 13th
Wichita, KS 67230

ATTN: Willis Hartman

18 21s 22w Hodgeman

Antrim #4

Start Date: 2005.09.08 @ 22:15:53

End Date: 2005.09.09 @ 07:05:53

Job Ticket #: 23552 DST #: 2

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



DRILL STEM TEST REPORT

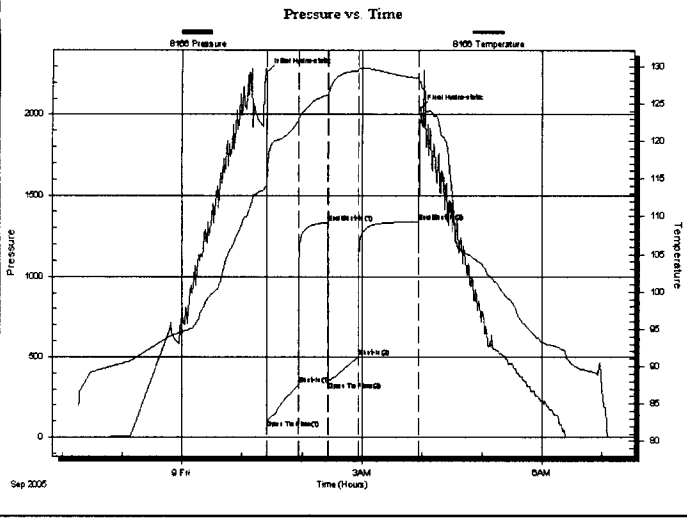
Hartman Oil Co Inc. **Antrim #4**
 12950 E 13th **18 21s 22w Hodgeman**
 Wichita, KS 67230 Job Ticket: 23552 **DST#: 2**
 ATTN: Willis Hartman Test Start: 2005.09.08 @ 22:15:53

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: **No Whipstock: ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: 01:25:08 Tester: **Mike**
 Time Test Ended: 07:05:53 Unit No: **15**
 Interval: **4380.00 ft (KB) To 4391.00 ft (KB) (TVD)** Reference Elevations: **2266.00 ft (KB)**
 Total Depth: **4391.00 ft (KB) (TVD)** **2254.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **12.00 ft**

Serial #: 8166 **Inside**
 Press@RunDepth: **502.53 psig @ 4384.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2005.09.08** End Date: **2005.09.09** Last Calib.: **2005.09.08**
 Start Time: **22:15:54** End Time: **07:05:53** Time On Btm: **2005.09.09 @ 01:24:38**
 Time Off Btm: **2005.09.09 @ 03:58:08**

TEST COMMENT: **F- B of B 3 1/2 m**
IS- B of B 20m
FF- B of B 4 1/2 m
FSL- 1/4" Blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.92	114.17	Initial Hydro-static
1	51.88	113.43	Open To Flow (1)
32	325.74	122.63	Shut-In(1)
62	1333.19	126.20	End Shut-In(1)
62	344.89	125.92	Open To Flow (2)
92	502.53	129.39	Shut-In(2)
152	1338.78	128.41	End Shut-In(2)
154	2040.76	127.88	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
300.00	Salt water	1.48
20.00	Gassy O & M cut Water 10g 2o 13m 75w	0.17
100.00	Gassy M&W Cut Oil 15%g 10m 15w 60o	1.40
60.00	Gassy M & W cut Oil 10%g 5m 10w 75o	0.84
780.00	Gassy clean 38 Grav Oil 10%g 90%o	10.94
0.00	780 Gas in Pipe	0.00

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co Inc.

12950 E 13th
Wichita, KS 67230

ATTN: Willis Hartman

Antrim #4

18 21s 22w Hodgeman

Job Ticket: 23552

DST#: 2


Test Start: 2005.09.08 @ 22:15:53

Tool Information

Drill Pipe:	Length: 4053.00 ft	Diameter: 3.80 inches	Volume: 56.85 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 312.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 58.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4380.00 ft			Final 950000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	32.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4360.00	
Shut In Tool	5.00			4365.00	
Hydraulic tool	5.00			4370.00	
Packer	5.00			4375.00	21.00 Bottom Of Top Packer
Packer	5.00			4380.00	
Perforations	4.00			4384.00	
Recorder	0.00	8166	Inside	4384.00	
Perforations	4.00			4388.00	
Recorder	0.00	10991	Outside	4388.00	
Bullnose	3.00			4391.00	11.00 Bottom Packers & Anchor
Total Tool Length:	32.00				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Hartman Oil Co Inc. 12950 E 13th Wichita, KS 67230 ATTN: Willis Hartman	Antrim #4 18 21s 22w Hodgeman Job Ticket: 23552 DST#: 2 Test Start: 2005.09.08 @ 22:15:53	

Mud and Cushion Information

Mud Type: Gel Chem Mud Weight: 10.00 lb/gal Viscosity: 52.00 sec/qt Water Loss: 9.06 in ³ Resistivity: ohm.m Salinity: ppm Filter Cake: inches	Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig	Oil API: deg API Water Salinity: ppm
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Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	Salt water	1.475
20.00	Gassy O & M cut Water 10g 2o 13m 75w	0.171
100.00	Gassy M&W Cut Oil 15%g 10m 15w 60o	1.403
60.00	Gassy M & W cut Oil 10%g 5m 10w 75o	0.842
780.00	Gassy clean 38 Grav Oil 10%g 90%o	10.941
0.00	780 Gas in Pipe	0.000

Total Length: 1260.00 ft Total Volume: 14.832 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8166

Inside

Hartman Oil Co Inc.

18 21s 22w Hodgeman

DST Test Number: 2

Pressure vs. Time

