

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

W DRL 10-1-08
4 14 17 Ellis KS

Werth # 3

Start Date: 2007.12.18 @ 01:20:51

End Date: 2007.12.18 @ 06:42:21

Job Ticket #: 30449 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

140244


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Drilling Oil Inc

 PO Box 550
Hays KS 67601

ATTN: Terry Peisker

Werth # 3
4 14 17 Ellis KS

Job Ticket: 30449

DST#: 1

Test Start: 2007.12.18 @ 01:20:51

GENERAL INFORMATION:

 Formation: **A-C LK**

 Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 03:55:51

Time Test Ended: 06:42:21

 Test Type: **Conventional Bottom Hole**

 Tester: **Dan Bangle**

 Unit No: **38**
Interval: 3279.00 ft (KB) To 3325.00 ft (KB) (TVD)

 Total Depth: **3325.00 ft (KB) (TVD)**

 Hole Diameter: **7.88 inches** Hole Condition: **Good**

 Reference Elevations: **2007.00 ft (KB)**
1999.00 ft (CF)

 KB to GR/CF: **8.00 ft**
Serial #: 8368
Inside

 Press@RunDepth: **20.11 psig @ 3282.00 ft (KB)**

 Start Date: **2007.12.18**

End Date:

2007.12.18

 Start Time: **01:20:52**

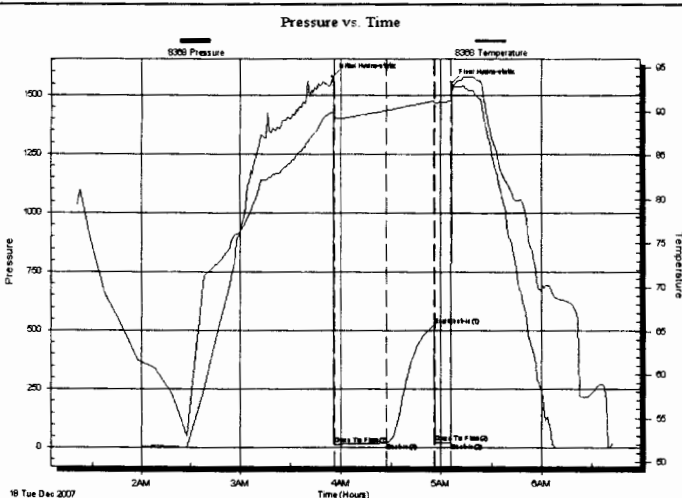
End Time:

06:42:21

 Capacity: **7000.00 psig**

 Last Calib.: **2007.12.18**

 Time On Btm: **2007.12.18 @ 03:54:51**

 Time Off Btm: **2007.12.18 @ 05:06:21**
TEST COMMENT: IF Weak steady surface blow
FF No blow


PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1577.57	89.86	Initial Hydro-static
1	12.56	89.29	Open To Flow (1)
33	20.11	90.13	Shut-In(1)
61	521.94	91.23	End Shut-In(1)
62	20.43	91.01	Open To Flow (2)
71	21.59	91.22	Shut-In(2)
72	1553.00	91.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	DM	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

Werth # 3

4 14 17 Ellis KS

Job Ticket: 30449

DST#: 1

Test Start: 2007.12.18 @ 01:20:51

Tool Information

Drill Pipe:	Length: 3233.00 ft	Diameter: 3.80 inches	Volume: 45.35 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
		Total Volume:	45.50 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3279.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	67.00 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			3259.00	
Shut In Tool	5.00			3264.00	
Hydraulic tool	5.00			3269.00	
Packer	5.00			3274.00	21.00 Bottom Of Top Packer
Packer	5.00			3279.00	
Stubb	1.00			3280.00	
Perforations	1.00			3281.00	
Change Over Sub	1.00			3282.00	
Recorder	0.00	8368	Inside	3282.00	
Drill Pipe	31.00			3313.00	
Change Over Sub	1.00			3314.00	
Recorder	0.00	13254	Outside	3314.00	
Perforations	8.00			3322.00	
Bullnose	3.00			3325.00	46.00 Bottom Packers & Anchor

Total Tool Length: 67.00


TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

Werth # 3

 PO Box 550
 Hays KS 67601

4 14 17 Ellis KS

ATTN: Terry Peisker

Job Ticket: 30449

DST#: 1

Test Start: 2007.12.18 @ 01:20:51

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:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

 Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	DM	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

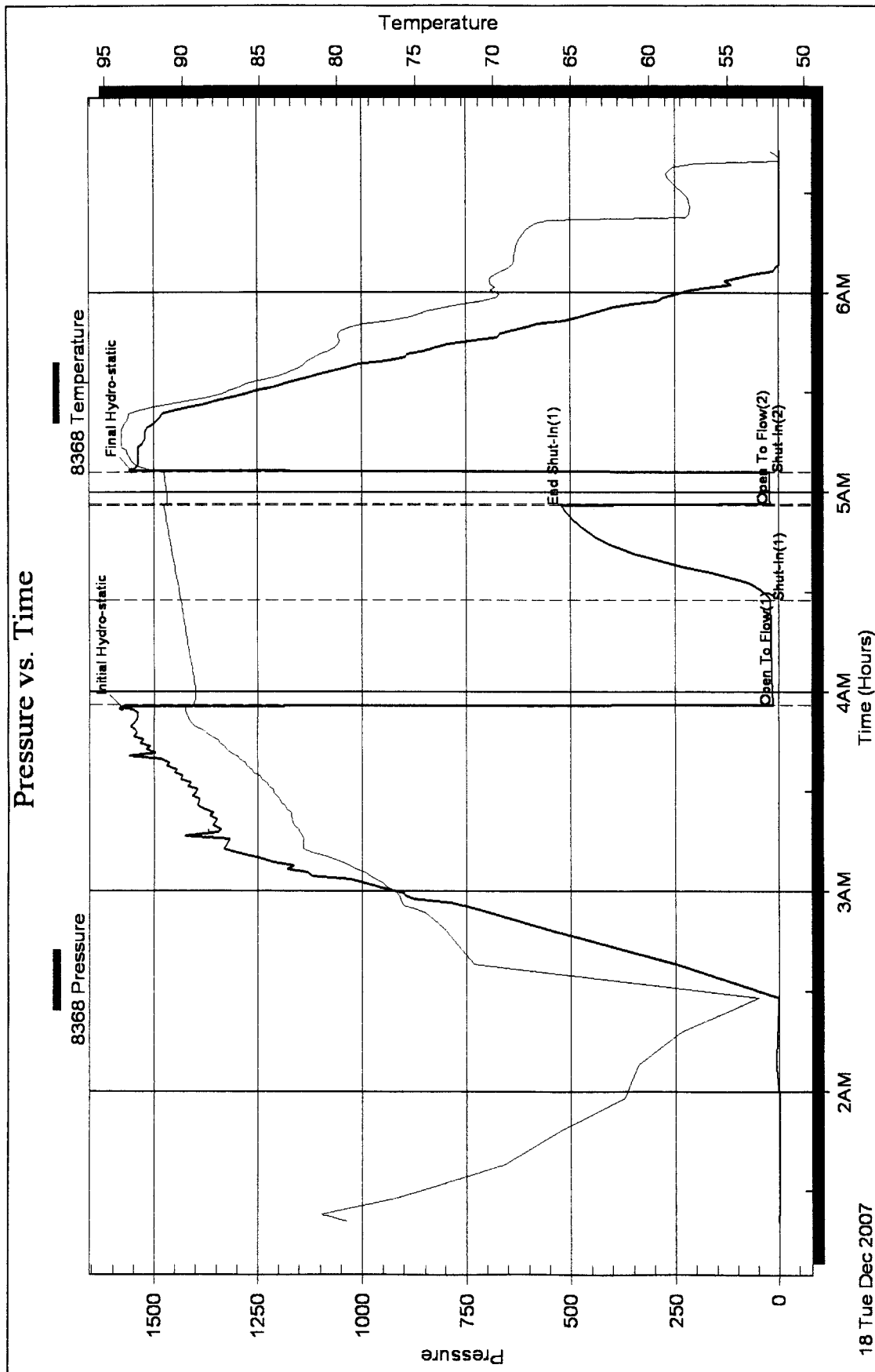
4 14 17 Ellis KS

Dreiling Oil Inc

Inside

Serial #: 8368

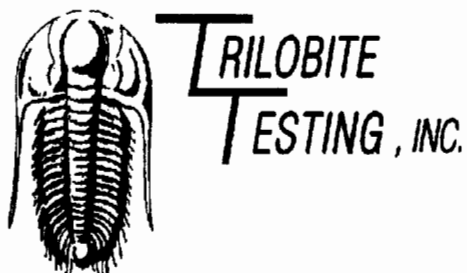
Pressure vs. Time



Ref. No: 30449

Trilobite Testing, Inc

Printed: 2007.12.20 @ 13:26:04 Page 5



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

✓
4 14 17 Ellis KS

Werth # 3

Start Date: 2007.12.18 @ 16:00:52

End Date: 2007.12.18 @ 21:42:22

Job Ticket #: 30450 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Drilling Oil Inc

 PO Box 550
 Hays KS 67601

ATTN: Terry Peisker

Werth # 3
4 14 17 Ellis KS

Job Ticket: 30450

DST#: 2

Test Start: 2007.12.18 @ 16:00:52

GENERAL INFORMATION:

 Formation: **D-G LKC**

 Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 17:27:52

Time Test Ended: 21:42:22

 Test Type: **Conventional Bottom Hole**

 Tester: **Dan Bangle**

 Unit No: **38**

 Interval: **3330.00 ft (KB) To 3390.00 ft (KB) (TVD)**

 Total Depth: **3390.00 ft (KB) (TVD)**

 Hole Diameter: **7.88 inches** Hole Condition: **Good**

 Reference Elevations: **2007.00 ft (KB)**
1999.00 ft (CF)

 KB to GR/CF: **8.00 ft**
Serial #: 8368 **Inside**

 Press@RunDepth: **93.05 psig @ 3333.00 ft (KB)**

 Start Date: **2007.12.18**

End Date:

2007.12.18

 Start Time: **16:00:53**

End Time:

21:42:22

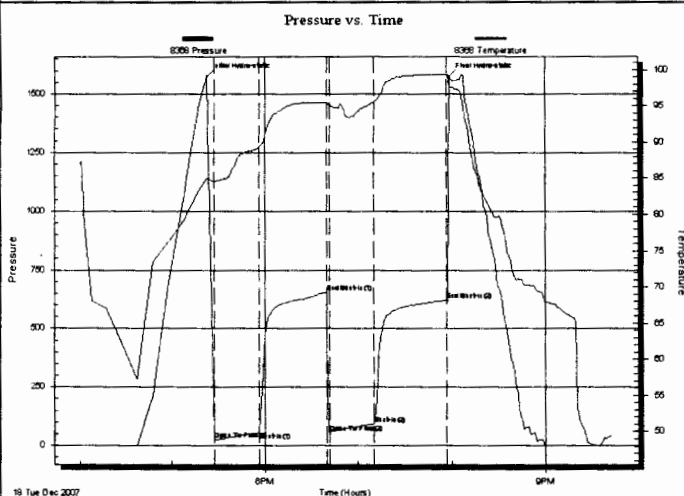
 Capacity: **7000.00 psig**

 Last Calib.: **2007.12.18**

 Time On Btm: **2007.12.18 @ 17:22:52**

 Time Off Btm: **2007.12.18 @ 19:58:22**

TEST COMMENT: IF Strong B-B in 7 min
 ISI Weak building to 1 1/2 "
 FF Strong B-B in 2 min
 FSI Weak building to 1 1/2 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1575.08	84.94	Initial Hydro-static
5	25.83	84.55	Open To Flow (1)
34	57.27	89.23	Shut-In (1)
77	653.28	95.50	End Shut-In (1)
79	55.64	95.07	Open To Flow (2)
108	93.05	95.51	Shut-In (2)
154	620.80	99.31	End Shut-In (2)
156	1574.99	97.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
91.00	HMC/GO 10%G 40%O 50%M	1.00
124.00	HMC/GO 10%G 70%O 20%M	1.74
0.00	1240 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil Inc

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

Werth # 3

4 14 17 ^W Ellis KS

Job Ticket: 30450

DST#: 2

Test Start: 2007.12.18 @ 16:00:52

Tool Information

Drill Pipe:	Length: 3294.00 ft	Diameter: 3.80 inches	Volume: 46.21 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
		Total Volume:	46.36 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3330.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	81.00 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			3310.00	
Shut In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Packer	5.00			3325.00	21.00 Bottom Of Top Packer
Packer	5.00			3330.00	
Stubb	1.00			3331.00	
Perforations	1.00			3332.00	
Change Over Sub	1.00			3333.00	
Recorder	0.00	8368	Inside	3333.00	
Drill Pipe	31.00			3364.00	
Change Over Sub	1.00			3365.00	
Recorder	0.00	13254	Outside	3365.00	
Perforations	22.00			3387.00	
Bullnose	3.00			3390.00	60.00 Bottom Packers & Anchor

Total Tool Length: 81.00


TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

Werth # 3

PO Box 550
Hays KS 676014 14 17^W Ellis KS

Job Ticket: 30450

DST#: 2

ATTN: Terry Peisker

Test Start: 2007.12.18 @ 16:00:52

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:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.59 in³

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
91.00	HMOGO 10%G 40%O 50%M	1.003
124.00	HMOGO 10%G 70%O 20%M	1.739
0.00	1240 GIP	0.000

Total Length: 215.00 ft

Total Volume: 2.742 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

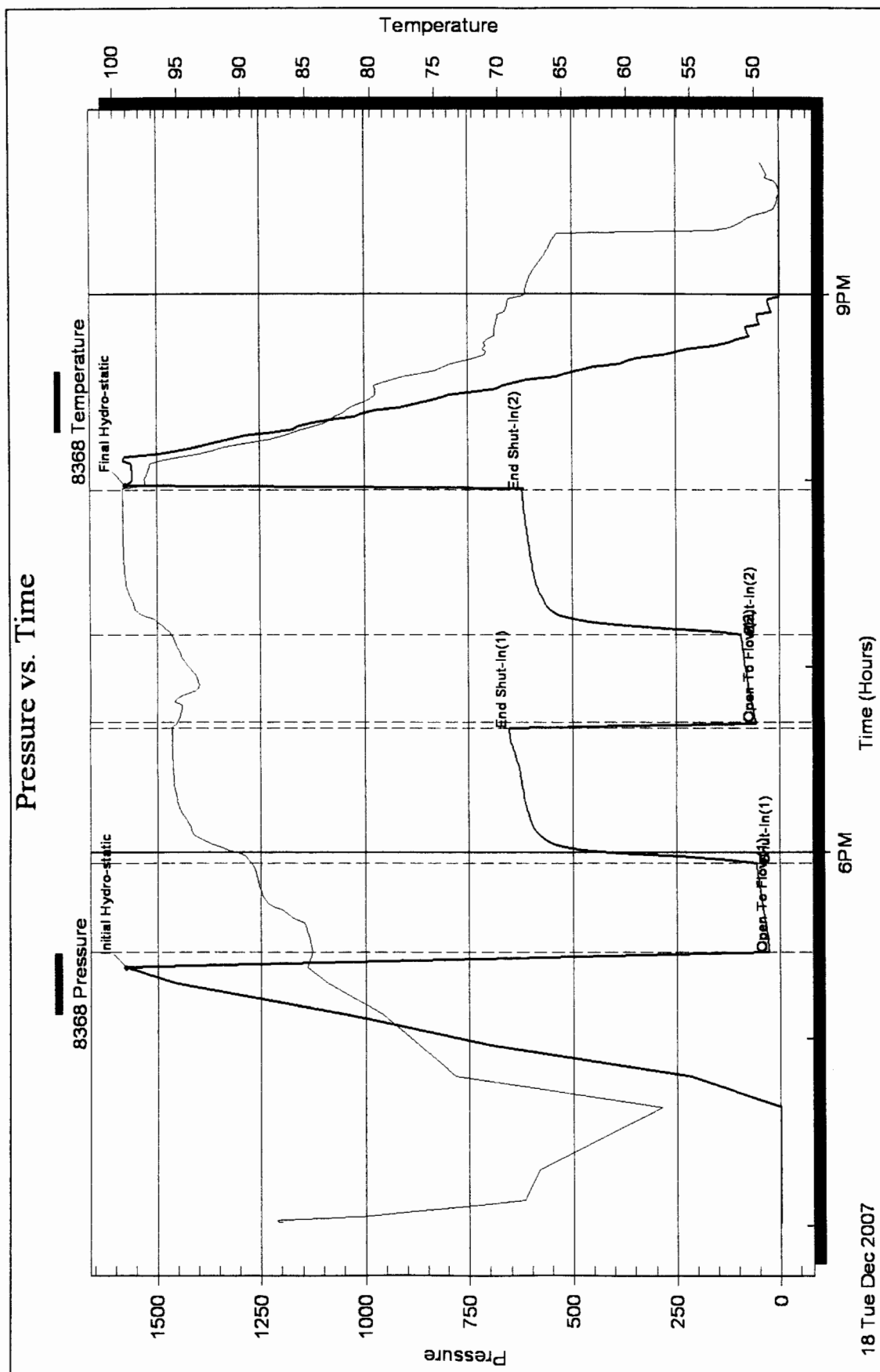
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4 14 17 Ellis KS

Drilling Oil Inc

Inside

Serial #: 8368

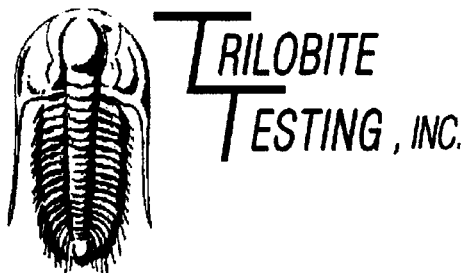
Pressure vs. Time



Ref. No: 30450

Trilobite Testing, Inc

Printed: 2007.12.20 @ 13:26:17 Page 5



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

^W
4 14 17 Ellis KS

Werth # 3

Start Date: 2007.12.19 @ 12:40:20

End Date: 2007.12.19 @ 18:06:20

Job Ticket #: 31426 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Drilling Oil Inc

 PO Box 550
Hays KS 67601

ATTN: Terry Peisker

Werth # 3
**W
4 14 17 Ellis KS**

Job Ticket: 31426

DST#: 3

Test Start: 2007.12.19 @ 12:40:20

GENERAL INFORMATION:

 Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:26:20

Time Test Ended: 18:06:20

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

 Interval: **3503.00 ft (KB) To 3548.00 ft (KB) (TVD)**

Total Depth: 3548.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2007.00 ft (KB)

1999.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8368
Inside

Press@RunDepth: 27.97 psig @ 3506.00 ft (KB)

Start Date: 2007.12.19

End Date:

2007.12.19

Start Time: 12:40:21

End Time:

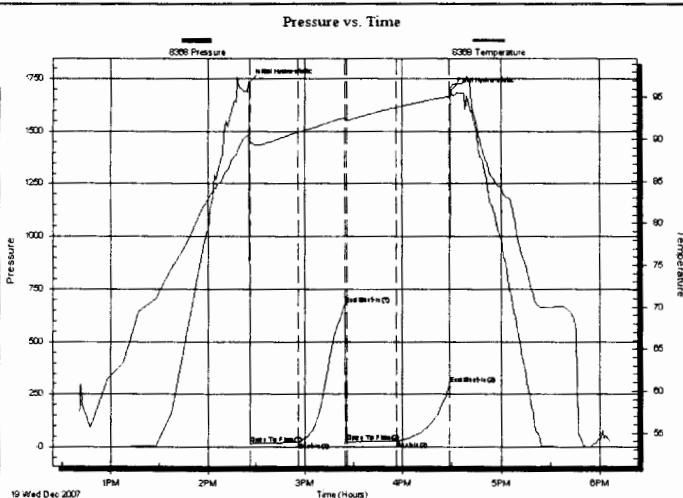
18:06:20

Capacity: 7000.00 psig

Last Calib.: 2007.12.19

Time On Btm: 2007.12.19 @ 14:25:50

Time Off Btm: 2007.12.19 @ 16:29:20

 TEST COMMENT: IF Weak steady surface blow
FF Weak steady surface blow


PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1730.07	90.57	Initial Hydro-static
1	15.19	89.80	Open To Flow (1)
31	23.29	90.82	Shut-In(1)
59	677.10	92.61	End Shut-In(1)
60	25.29	92.31	Open To Flow (2)
91	27.97	93.80	Shut-In(2)
123	298.84	95.11	End Shut-In(2)
124	1688.81	95.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM	0.05
5.00	CO	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

Werth # 3

W
4 14 17 Ellis KS

Job Ticket: 31426

DST#: 3

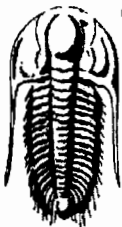
Test Start: 2007.12.19 @ 12:40:20

Tool Information

Drill Pipe:	Length: 3482.00 ft	Diameter: 3.80 inches	Volume: 48.84 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	48.99 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	3503.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	66.00 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			3483.00	
Shut In Tool	5.00			3488.00	
Hydraulic tool	5.00			3493.00	
Packer	5.00			3498.00	21.00 Bottom Of Top Packer
Packer	5.00			3503.00	
Stubb	1.00			3504.00	
Perforations	1.00			3505.00	
Change Over Sub	1.00			3506.00	
Recorder	0.00	8368	Inside	3506.00	
Drill Pipe	31.00			3537.00	
Change Over Sub	1.00			3538.00	
Recorder	0.00	13254	Outside	3538.00	
Perforations	7.00			3545.00	
Bullnose	3.00			3548.00	45.00 Bottom Packers & Anchor
Total Tool Length:		66.00			

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY									
	Drilling Oil Inc PO Box 550 Hays KS 67601 ATTN: Terry Peisker	Werth # 3 W 4 14 17 Ellis KS Job Ticket: 31426 Test Start: 2007.12.19 @ 12:40:20	DST#: 3									
Mud and Cushion Information												
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 38.00 sec/qt Water Loss: 9.99 in ³ Resistivity: ohm.m Salinity: 8000.00 ppm Filter Cake: inches	Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig	Oil API: Water Salinity: ppm deg API										
Recovery Information												
Recovery Table												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Length ft</th> <th style="width: 55%;">Description</th> <th style="width: 30%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">10.00</td> <td>DM</td> <td style="text-align: center;">0.049</td> </tr> <tr> <td style="text-align: center;">5.00</td> <td>CO</td> <td style="text-align: center;">0.025</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	10.00	DM	0.049	5.00	CO	0.025
Length ft	Description	Volume bbl										
10.00	DM	0.049										
5.00	CO	0.025										
Total Length: 15.00 ft Total Volume: 0.074 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Recovery Comments:												

Serial #: 8368

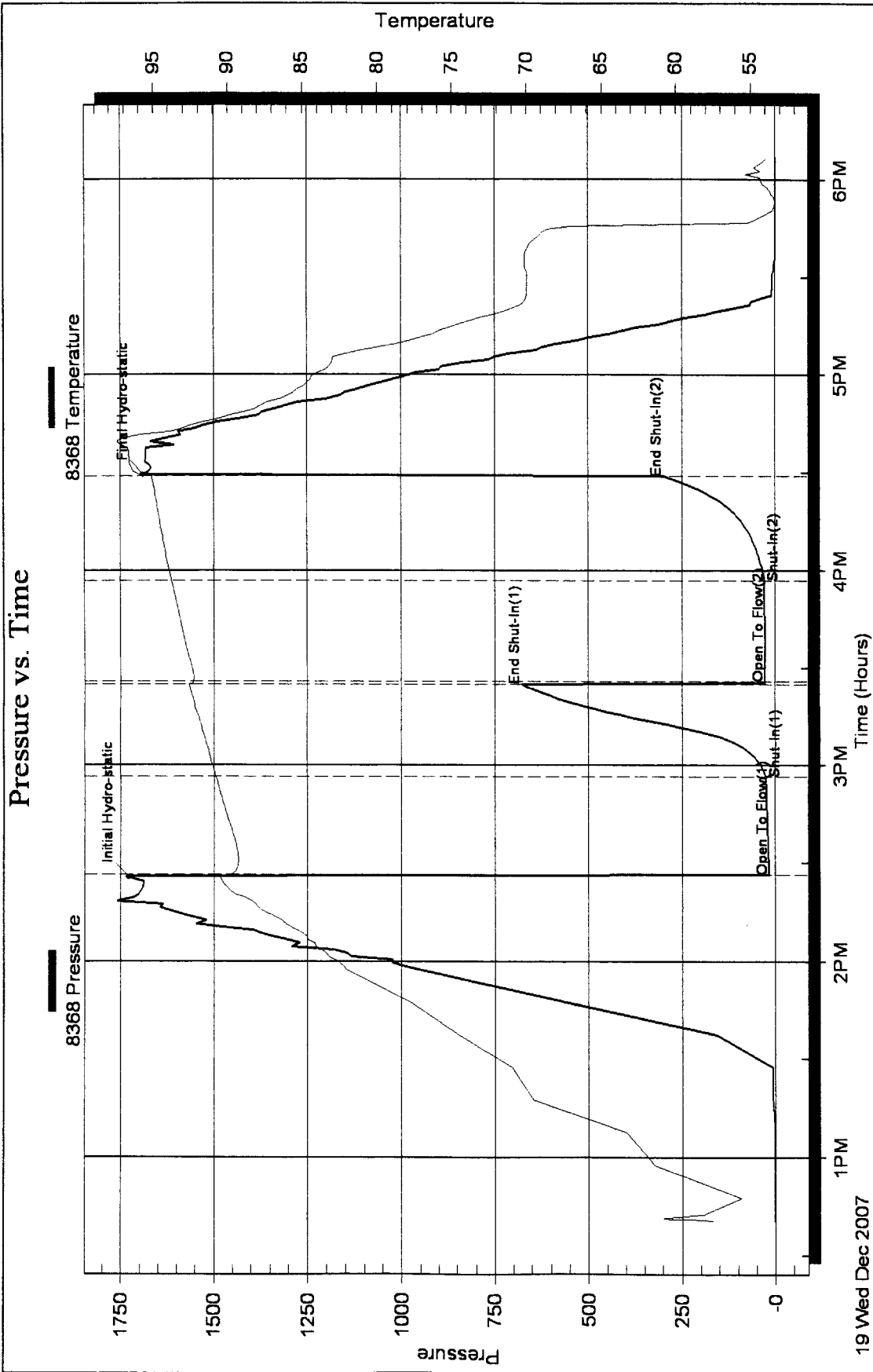
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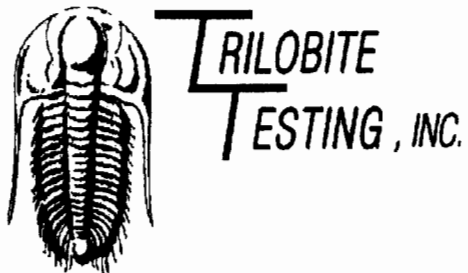
Drilling Oil Inc

4 14 17 Ellis KS

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

W
4 14 17 Ellis KS

Werth # 3

Start Date: 2007.12.20 @ 00:47:42

End Date: 2007.12.20 @ 07:31:12

Job Ticket #: 31427 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

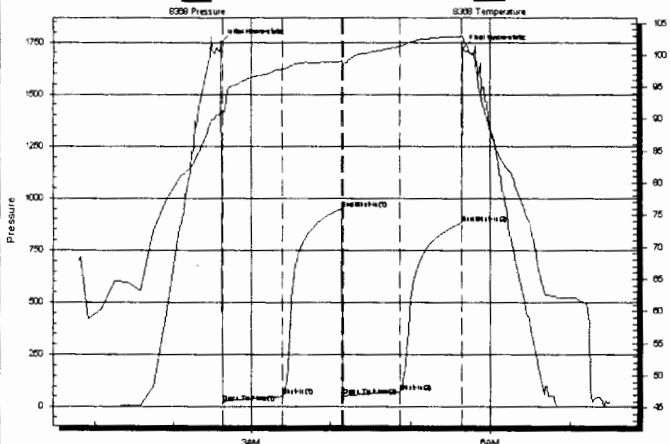
ph: 785-625-4778 fax: 785-625-5620

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		
Drilling Oil Inc PO Box 550 Hays KS 67601 ATTN: Terry Peisker	Werth # 3 W 4 14 17 Ellis KS Job Ticket: 31427 DST#: 4 Test Start: 2007.12.20 @ 00:47:42		

GENERAL INFORMATION:			
Formation:	Arbuckle		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole
Time Tool Opened:	02:37:42		Tester: Dan Bangle
Time Test Ended:	07:31:12		Unit No: 38
Interval:	3545.00 ft (KB) To 3570.00 ft (KB) (TVD)		Reference Elevations: 2007.00 ft (KB)
Total Depth:	3570.00 ft (KB) (TVD)		1999.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Good	KB to GR/CF: 8.00 ft

Serial #: 8368 Inside			
Press@RunDepth:	71.90 psig @	3546.00 ft (KB)	Capacity: 7000.00 psig
Start Date:	2007.12.20	End Date:	2007.12.20
Start Time:	00:47:43	End Time:	07:31:12
		Time On Btm:	2007.12.20 @ 02:36:42
		Time Off Btm:	2007.12.20 @ 05:39:42

TEST COMMENT: IF Weak building to 3 "
FF Weak building to 2 "

Pressure vs. Time 	PRESSURE SUMMARY <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Time (Min.)</th> <th>Pressure (psig)</th> <th>Temp (deg F)</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1748.60</td> <td>91.27</td> <td>Initial Hydro-static</td> </tr> <tr> <td>1</td> <td>18.02</td> <td>90.82</td> <td>Open To Flow (1)</td> </tr> <tr> <td>47</td> <td>49.66</td> <td>97.82</td> <td>Shut-In (1)</td> </tr> <tr> <td>92</td> <td>948.48</td> <td>99.02</td> <td>End Shut-In (1)</td> </tr> <tr> <td>93</td> <td>50.99</td> <td>98.70</td> <td>Open To Flow (2)</td> </tr> <tr> <td>136</td> <td>71.90</td> <td>101.38</td> <td>Shut-In (2)</td> </tr> <tr> <td>182</td> <td>881.52</td> <td>102.90</td> <td>End Shut-In (2)</td> </tr> <tr> <td>183</td> <td>1722.04</td> <td>103.01</td> <td>Final Hydro-static</td> </tr> </tbody> </table>	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	0	1748.60	91.27	Initial Hydro-static	1	18.02	90.82	Open To Flow (1)	47	49.66	97.82	Shut-In (1)	92	948.48	99.02	End Shut-In (1)	93	50.99	98.70	Open To Flow (2)	136	71.90	101.38	Shut-In (2)	182	881.52	102.90	End Shut-In (2)	183	1722.04	103.01	Final Hydro-static
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation																																		
0	1748.60	91.27	Initial Hydro-static																																		
1	18.02	90.82	Open To Flow (1)																																		
47	49.66	97.82	Shut-In (1)																																		
92	948.48	99.02	End Shut-In (1)																																		
93	50.99	98.70	Open To Flow (2)																																		
136	71.90	101.38	Shut-In (2)																																		
182	881.52	102.90	End Shut-In (2)																																		
183	1722.04	103.01	Final Hydro-static																																		

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil Inc

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

Werth # 3

W
4 14 17 Ellis KS

Job Ticket: 31427

DST#: 4

Test Start: 2007.12.20 @ 00:47:42

Tool Information

Drill Pipe:	Length: 3513.00 ft	Diameter: 3.80 inches	Volume: 49.28 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 49.43 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3545.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	46.00 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			3525.00	
Shut In Tool	5.00			3530.00	
Hydraulic tool	5.00			3535.00	
Packer	5.00			3540.00	21.00 Bottom Of Top Packer
Packer	5.00			3545.00	
Stubb	1.00			3546.00	
Recorder	0.00	8368	Inside	3546.00	
Perforations	21.00			3567.00	
Recorder	0.00	13254	Outside	3567.00	
Bullnose	3.00			3570.00	25.00 Bottom Packers & Anchor
Total Tool Length:	46.00				

140244



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

PO Box 550
Hays KS 67601

ATTN: Terry Peisker

Werth # 3

W
4 14 17 Ellis KS

Job Ticket: 31427

DST#: 4

Test Start: 2007.12.20 @ 00:47:42

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 38.00 sec/qt

Water Loss: 9.99 in³

Resistivity: ohm.m

Salinity: 8000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

34 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	HOCM 40%O 60%M	1.480
30.00	CO	0.421

Total Length: 155.00 ft

Total Volume: 1.901 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8368

Inside

Drilling Oil Inc

4 14 17 Ellis KS

DST Test Number: 4

Pressure vs. Time

