

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS
67601

ATTN: Roger Fisher

30 8 26 Sheridan KS

Sutor #8

Start Date: 2006.06.23 @ 11:30:34

End Date: 2006.06.23 @ 17:45:13

Job Ticket #: 24677 DST #: 1

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

Dreiling Oil Inc

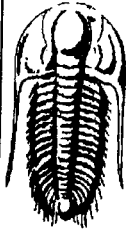
Sutor #8

30 8 26 Sheridan KS

DST # 1

KC

2006.06.23



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dreiling Oil Inc
 PO Box 550
 Hays KS
 67601
 ATTN: Roger Fisher

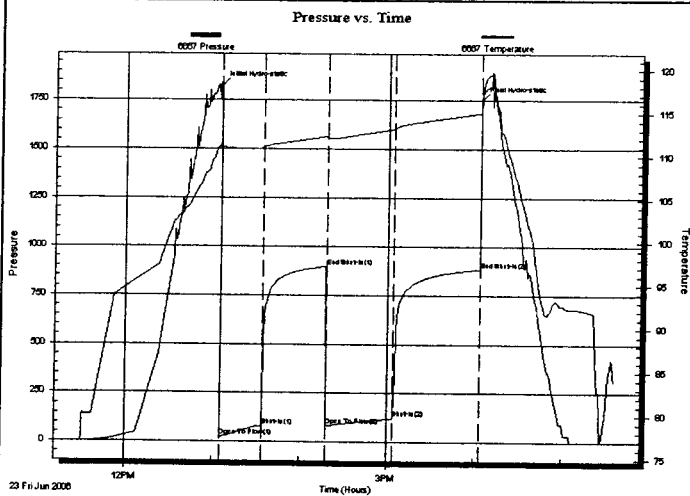
Sutor #8
30 8 26 Sheridan KS
 Job Ticket: 24677 **DST#: 1**
 Test Start: 2006.06.23 @ 11:30:34

GENERAL INFORMATION:

Formation: **KC**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 13:05:29
 Time Test Ended: 17:45:13
 Interval: **3682.00 ft (KB) To 3743.00 ft (KB) (TVD)**
 Total Depth: **3743.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Shane McBride**
 Unit No: **4**
 Reference Elevations: **2590.00 ft (KB)**
 2585.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6667 **Inside**
 Press@RunDepth: **122.34 psig @ 3683.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2006.06.23** End Date: **2006.06.23** Last Calib.: **2006.06.23**
 Start Time: **11:30:34** End Time: **17:36:13** Time On Btm: **2006.06.23 @ 13:05:14**
 17:36:13 Time Off Btm: **2006.06.23 @ 16:04:13**

TEST COMMENT: 1/4 " @ open built to 3 3/4 "
 No return
 Surface blow in 4 min built to 1 3/4 "
 No return



PRESSURE SUMMARY

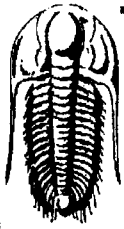
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1827.77	111.51	Initial Hydro-static
1	24.09	111.12	Open To Flow (1)
29	81.56	110.94	Shut-In(1)
73	896.48	112.34	End Shut-In(1)
73	83.28	111.97	Open To Flow (2)
119	122.34	113.18	Shut-In(2)
179	883.62	115.03	End Shut-In(2)
179	1751.17	115.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	100%W	0.84
60.00	MCW 20%M 80%W	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil Inc

Sutor #8

PO Box 550
Hays KS
67601
ATTN: Roger Fisher

30 8 26 Sheridan KS
Job Ticket: 24677 DST#: 1
Test Start: 2006.06.23 @ 11:30:34

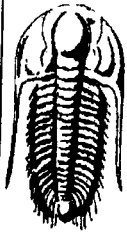
Tool Information

Drill Pipe:	Length: 3558.00 ft	Diameter: 3.80 inches	Volume: 49.91 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: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 50.51 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3682.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 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			3663.00	
Shut In Tool	5.00			3668.00	
Hydraulic tool	5.00			3673.00	
Packer	5.00		Fluid	3678.00	20.00 Bottom Of Top Packer
Packer	4.00			3682.00	
Stubb	1.00			3683.00	
Recorder	0.00	6667	Inside	3683.00	
Perforations	22.00			3705.00	
Change Over Sub	1.00			3706.00	
Drill Pipe	31.00			3737.00	
Change Over Sub	1.00			3738.00	
Recorder	0.00	11058	Inside	3738.00	
Bullnose	5.00			3743.00	61.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

Sutor #8

PO Box 550

30 8 26 Sheridan KS

Hays KS

Job Ticket: 24677

DST#: 1

67601

ATTN: Roger Fisher

Test Start: 2006.06.23 @ 11:30:34

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:

85000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	100%W	0.843
60.00	MCW 20%M 80%W	0.842

Total Length: 200.00 ft

Total Volume: 1.685 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

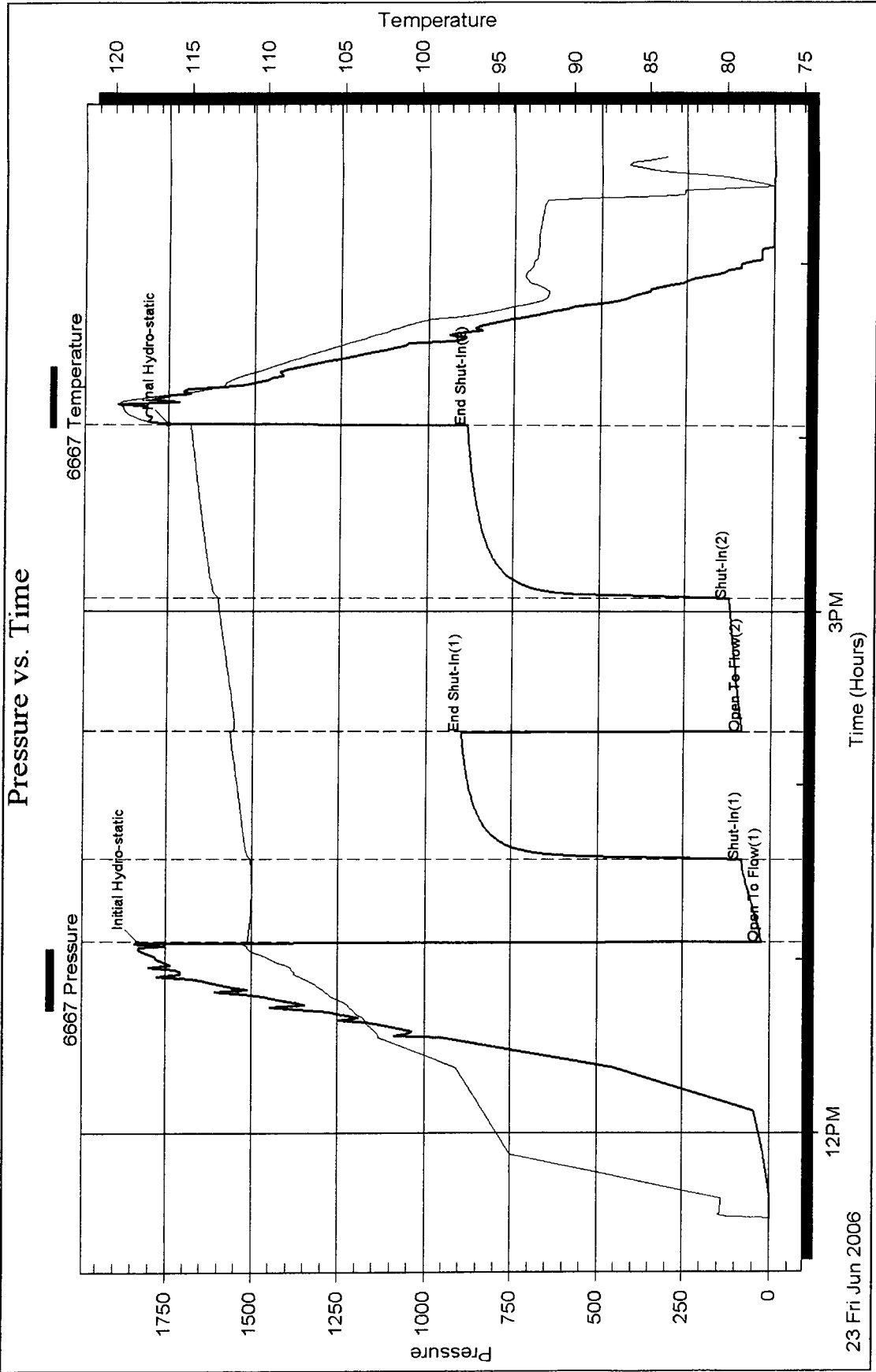
Inside

Drilling Oil Inc

30 8 26 Sheridan KS

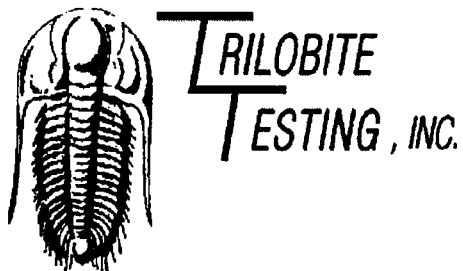
DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 24677



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS
67601

ATTN: Roger Fisher

30 8 26 Sheridan KS

Sutor #8

Start Date: 2006.06.24 @ 03:40:51

End Date: 2006.06.24 @ 09:25:00

Job Ticket #: 24678 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Dreiling Oil Inc

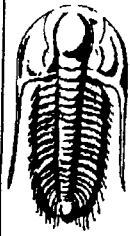
Sutor #8

30 8 26 Sheridan KS

DST # 2

KC

2006.06.24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dreiling Oil Inc
PO Box 550
Hays KS
67601
ATTN: Roger Fisher

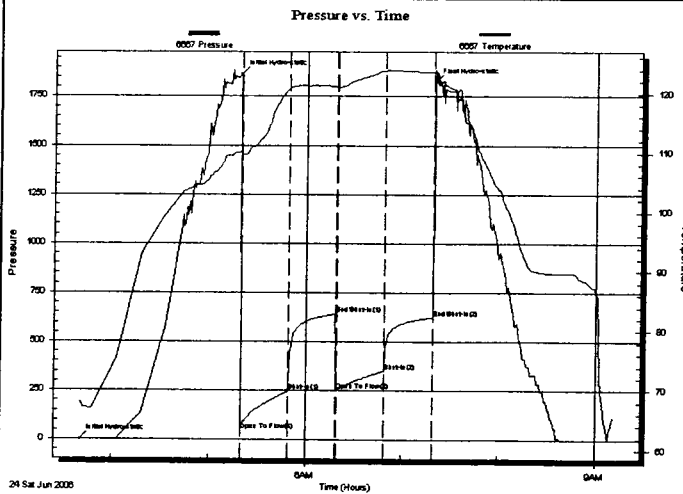
Sutor #8
30 8 26 Sheridan KS
Job Ticket: 24678 **DST#: 2**
Test Start: 2006.06.24 @ 03:40:51

GENERAL INFORMATION:

Formation: **KC**
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
Time Tool Opened: **05:19:31** Tester: **Shane McBride**
Time Test Ended: **09:25:00** Unit No: **4**
Interval: **3745.00 ft (KB) To 3817.00 ft (KB) (TVD)** Reference Elevations: **2590.00 ft (KB)**
Total Depth: **3817.00 ft (KB) (TVD)** **2585.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 6667 Inside
Press@RunDepth: **350.40 psig @ 3746.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2006.06.24** End Date: **2006.06.24** Last Calib.: **2006.06.24**
Start Time: **03:40:51** End Time: **09:11:00** Time On Btm: **2006.06.24 @ 03:40:51**
Time Off Btm: **2006.06.24 @ 07:20:01**

TEST COMMENT: BOB in 6 min
No return
BOB in 12 min
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-1.41	68.05	Initial Hydro-static
99	1864.48	110.22	Initial Hydro-static
99	47.16	109.83	Open To Flow (1)
129	245.66	120.85	Shut-in(1)
158	641.75	121.11	End Shut-in(1)
159	252.35	120.98	Open To Flow (2)
189	350.40	123.88	Shut-in(2)
219	624.04	123.54	End Shut-in(2)
220	1826.49	123.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	MCW 10%M 90%W tr of oil	3.09
180.00	SOCMW 5%O 30%M 65%W	2.52
180.00	Socw m 5%O 30%W 65%M	2.52

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil Inc
PO Box 550
Hays KS
67601
ATTN: Roger Fisher

Sutor #8
30 8 26 Sheridan KS
Job Ticket: 24678 **DST#: 2**
Test Start: 2006.06.24 @ 03:40:51

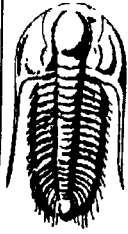
Tool Information

Drill Pipe:	Length: 3621.00 ft	Diameter: 3.80 inches	Volume: 50.79 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: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 51.39 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3745.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	92.00 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			3726.00	
Shut In Tool	5.00			3731.00	
Hydraulic tool	5.00			3736.00	
Packer	5.00		Fluid	3741.00	20.00 Bottom Of Top Packer
Packer	4.00			3745.00	
Stubb	1.00			3746.00	
Recorder	0.00	6667	inside	3746.00	
Perforations	33.00			3779.00	
Change Over Sub	1.00			3780.00	
Drill Pipe	31.00			3811.00	
Change Over Sub	1.00			3812.00	
Recorder	0.00	11058	inside	3812.00	
Bullnose	5.00			3817.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

Sutor #8

PO Box 550

30 8 26 Sheridan KS

Hays KS

Job Ticket: 24678

DST#: 2

67601

ATTN: Roger Fisher

Test Start: 2006.06.24 @ 03:40:51

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:

77500 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	MCW 10%M 90%W tr of oil	3.088
180.00	SOCMW 5%O 30%M 65%W	2.525
180.00	Socw m 5%O 30%W 65%M	2.525

Total Length: 660.00 ft

Total Volume: 8.138 bbl

Num Fluid Samples: 0

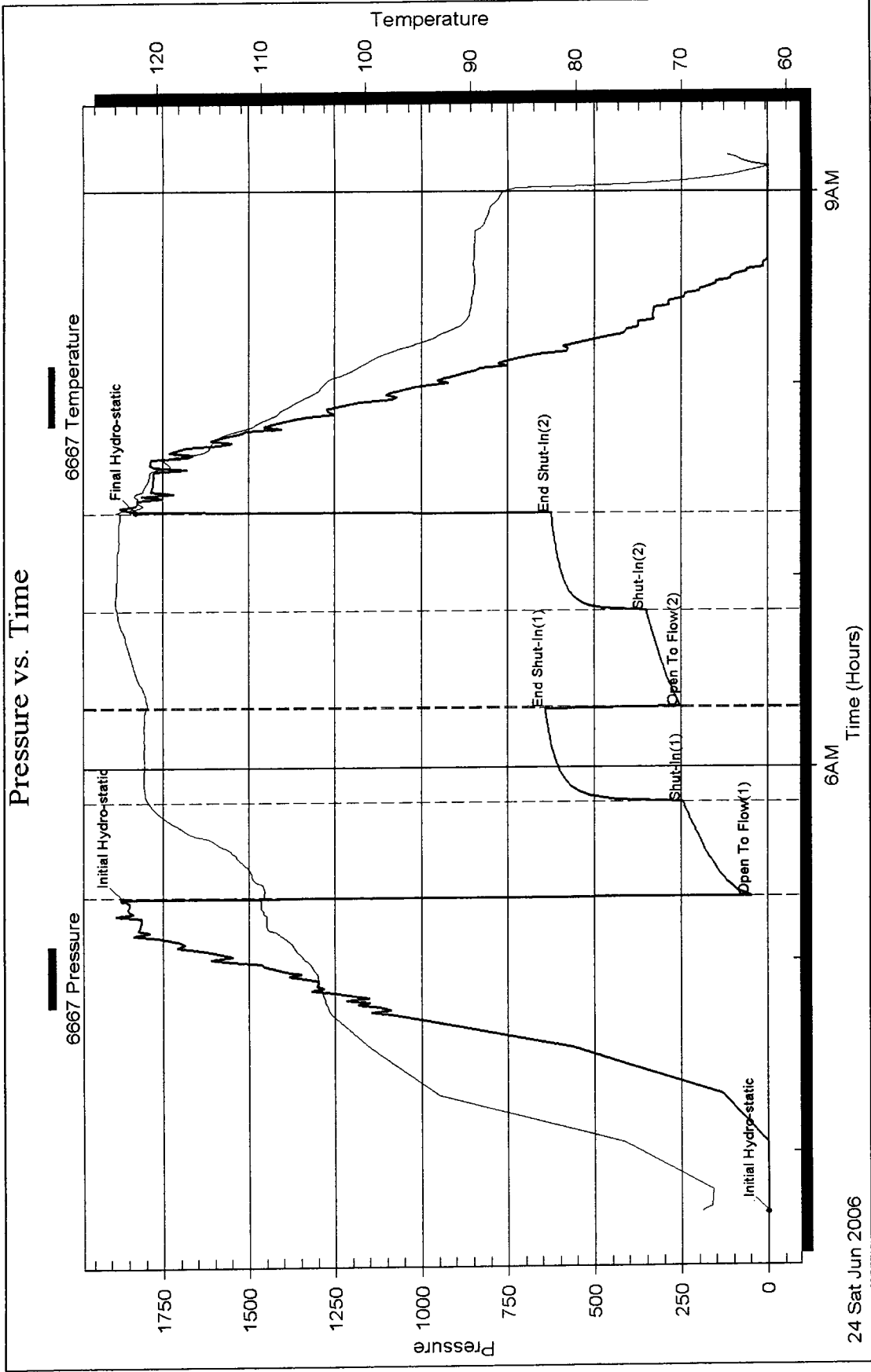
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



24 Sat Jun 2006

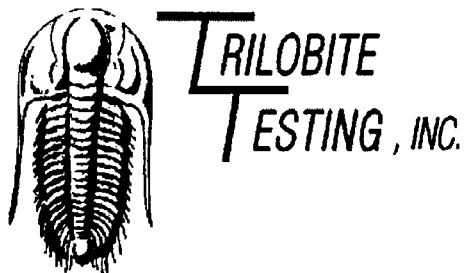
6AM

9AM

Time (Hours)

6667 Pressure

6667 Temperature



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS
67601

ATTN: Roger Fisher

30 8 26 Sheridan KS

Sutor #8

Start Date: 2006.06.24 @ 19:32:24

End Date: 2006.06.25 @ 00:40:03

Job Ticket #: 23105 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

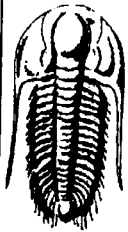
Dreiling Oil Inc

Sutor #8

30 8 26 Sheridan KS

DST # 3

2006.06.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Drilling Oil Inc

PO Box 550
Hays KS
67601
ATTN: Roger Fisher

Sutor #8

30 8 26 Sheridan KS

Job Ticket: 23105 **DST#: 3**
Test Start: 2006.06.24 @ 19:32:24

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:50:49

Time Test Ended: 00:40:03

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 3844.00 ft (KB) To 3912.00 ft (KB) (TVD)

Total Depth: 3912.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2590.00 ft (KB)

2585.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 59.60 psig @ 3845.00 ft (KB)

Start Date: 2006.06.24

End Date: 2006.06.25

Start Time: 19:32:24

End Time: 00:40:03

Capacity: 7000.00 psig

Last Calib.: 2006.06.25

Time On Btm: 2006.06.24 @ 20:50:34

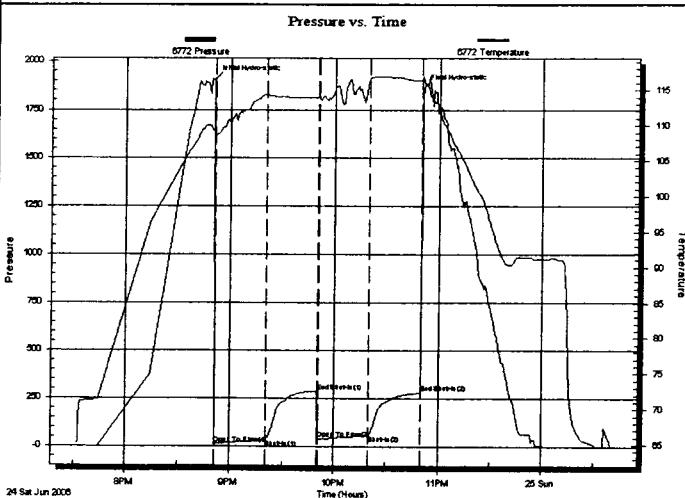
Time Off Btm: 2006.06.24 @ 22:50:19

TEST COMMENT: IF 1/4 blow built to 1/2 died in 22 min

IS No return

FFNo blow

FS No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1907.05	109.27	Initial Hydro-static
1	12.99	108.96	Open To Flow (1)
30	35.58	114.32	Shut-in(1)
60	288.43	113.95	End Shut-in(1)
60	39.49	113.95	Open To Flow (2)
90	59.60	116.61	Shut-in(2)
120	279.95	116.38	End Shut-in(2)
120	1860.45	116.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
66.00	OCM 5%O 95%M	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil Inc

Sutor #8

PO Box 550

30 8 26 Sheridan KS

Hays KS

Job Ticket: 23105

DST#: 3

67601

ATTN: Roger Fisher

Test Start: 2006.06.24 @ 19:32:24

Tool Information

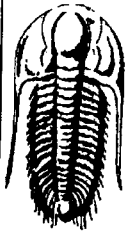
Drill Pipe:	Length: 3712.00 ft	Diameter: 3.80 inches	Volume: 52.07 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 62000.00 lb
		Total Volume:	52.67 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3844.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 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			3825.00	
Shut In Tool	5.00			3830.00	
Hydraulic tool	5.00			3835.00	
Packer	5.00		Fluid	3840.00	20.00 Bottom Of Top Packer
Packer	4.00			3844.00	
Stubb	1.00			3845.00	
Recorder	0.00	6772	Inside	3845.00	
Perforations	29.00			3874.00	
Change Over Sub	1.00			3875.00	
Drill Pipe	31.00			3906.00	
Change Over Sub	1.00			3907.00	
Recorder	0.00	7437	Inside	3907.00	
Bullnose	5.00			3912.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

Sutor #8

PO Box 550

30 8 26 Sheridan KS

Hays KS

Job Ticket: 23105

DST#: 3

67601

ATTN: Roger Fisher

Test Start: 2006.06.24 @ 19:32:24

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

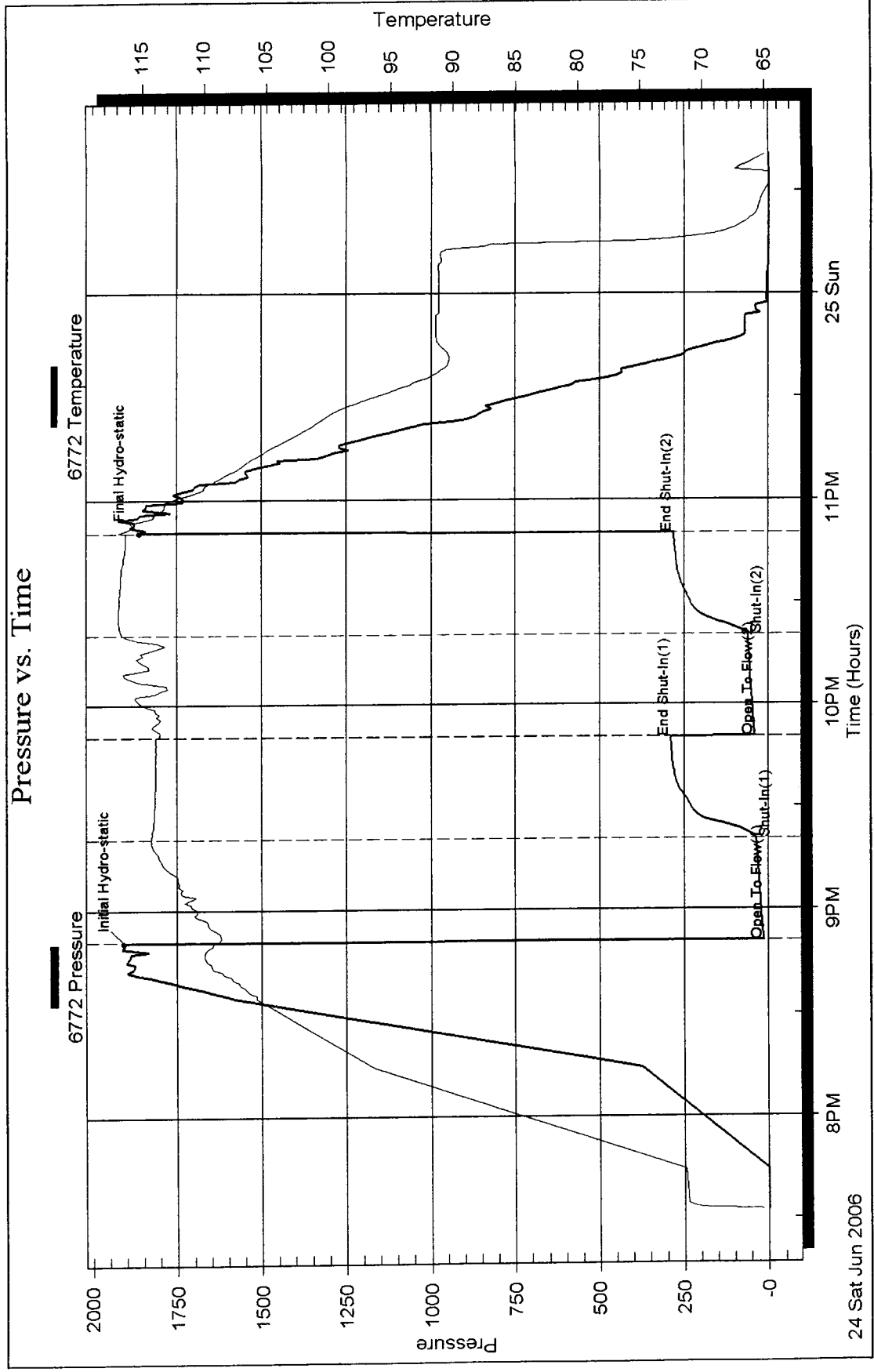
Length ft	Description	Volume bbl
66.00	OCM 5%O 95%M	0.325

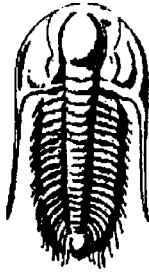
Total Length: 66.00 ft Total Volume: 0.325 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





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ATTN: Roger Fisher

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Sutor #8

Start Date: 2006.06.25 @ 07:48:41

End Date: 2006.06.25 @ 12:50:20

Job Ticket #: 23106 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Dreiling Oil Inc

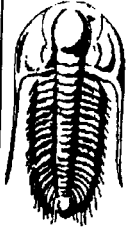
Sutor #8

30 8 26 Sheridan KS

DST # 4

LKC-K-L

2006.06.25



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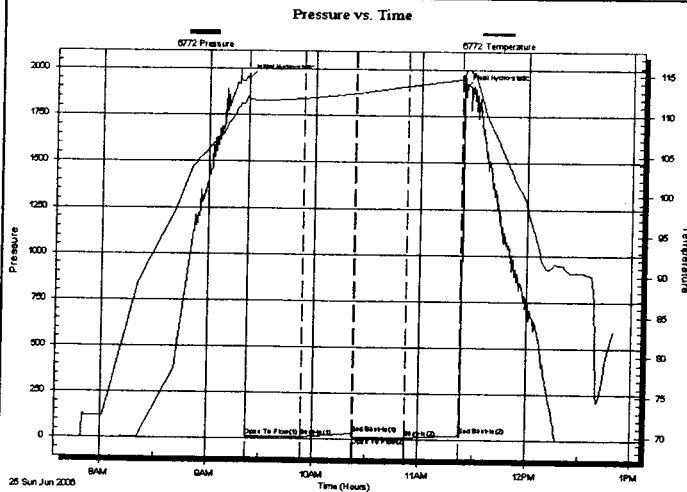
Job Ticket: 23106 DST#: 4
Test Start: 2006.06.25 @ 07:48:41

GENERAL INFORMATION:

Formation: **LKC K-L**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 09:22:36
 Time Test Ended: 12:50:20
 Test Type: Conventional Bottom Hole
 Tester: Brandon Turley
 Unit No: 35
 Interval: **3910.00 ft (KB) To 3950.00 ft (KB) (TVD)**
 Total Depth: 3950.00 ft (KB) (TVD)
 Reference Elevations: 2590.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair 2585.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6772 Inside
 Press@RunDepth: 13.80 psig @ 3911.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.06.25 End Date: 2006.06.25 Last Calib.: 1899.12.30
 Start Time: 07:48:41 End Time: 12:50:20 Time On Btm: 2006.06.25 @ 09:22:21
 Time Off Btm: 2006.06.25 @ 11:23:36

TEST COMMENT: IF Surface blow died in 5 min
 IS No return
 FF No blow
 FS No return



PRESSURE SUMMARY

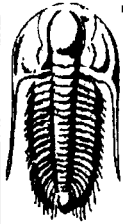
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.29	112.30	Initial Hydro-static
1	11.72	111.67	Open To Flow (1)
32	13.07	112.03	Shut-In(1)
61	34.13	112.72	End Shut-In(1)
61	13.43	112.72	Open To Flow (2)
90	13.80	113.65	Shut-In(2)
121	25.57	114.56	End Shut-In(2)
122	1903.94	115.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

Sutor #8

PO Box 550

30 8 26 Sheridan KS

Hays KS

Job Ticket: 23106

DST#: 4

67601

ATTN: Roger Fisher

Test Start: 2006.06.25 @ 07:48:41

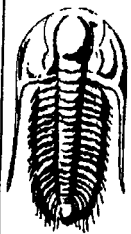
Tool Information

Drill Pipe:	Length: 3774.00 ft	Diameter: 3.80 inches	Volume: 52.94 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3910.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 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			3891.00	
Shut In Tool	5.00			3896.00	
Hydraulic tool	5.00			3901.00	
Packer	5.00		Fluid	3906.00	20.00 Bottom Of Top Packer
Packer	4.00			3910.00	
Stubb	1.00			3911.00	
Recorder	0.00	6772	Inside	3911.00	
Perforations	34.00			3945.00	
Recorder	0.00	7437	Inside	3945.00	
Bullnose	5.00			3950.00	40.00 Bottom Packers & Anchor
Total Tool Length:	60.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

Sutor #8

PO Box 550

30 8 26 Sheridan KS

Hays KS

Job Ticket: 23106

DST#: 4

67601

ATTN: Roger Fisher

Test Start: 2006.06.25 @ 07:48:41

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6772

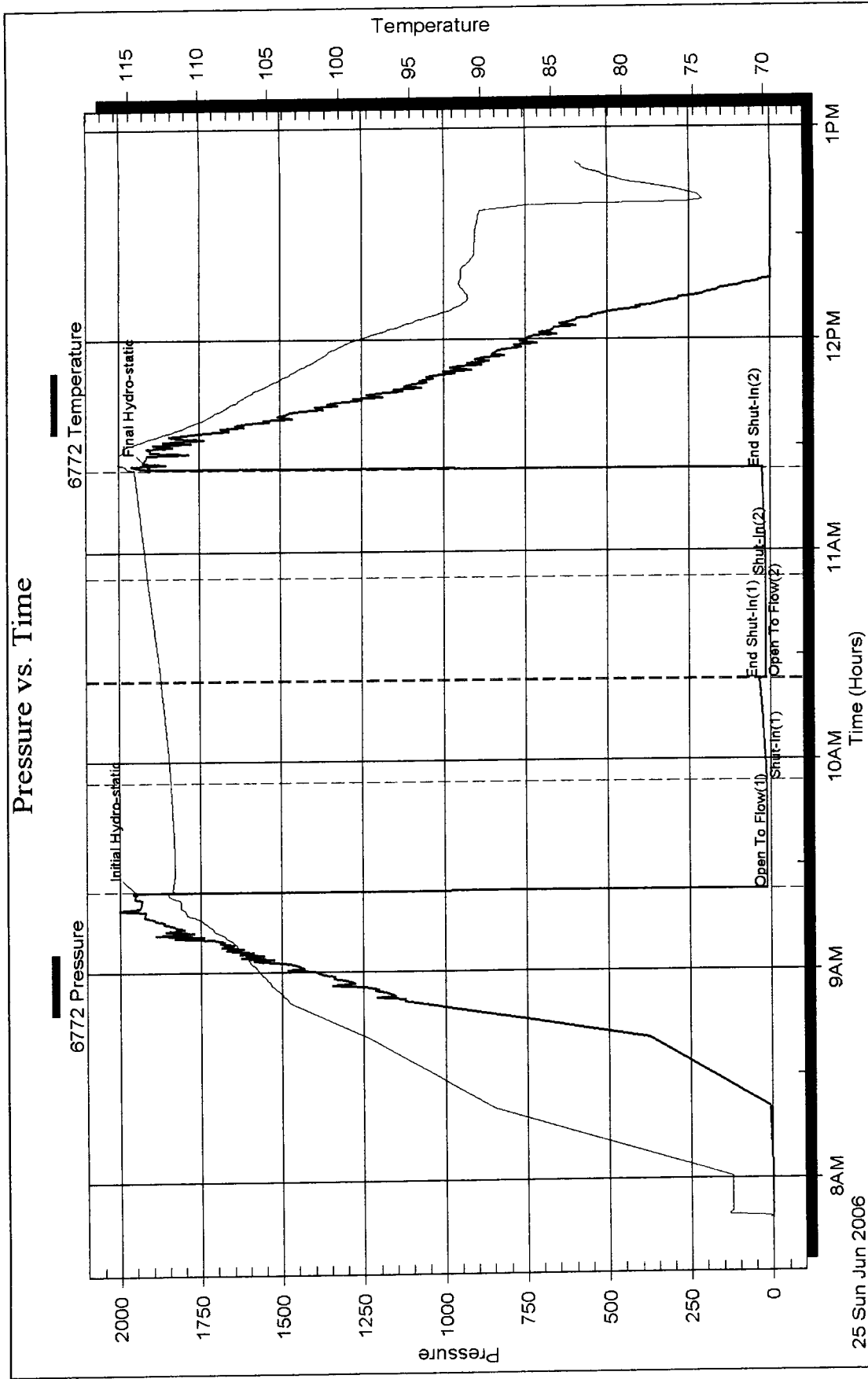
Inside

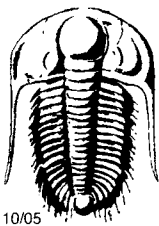
Dreiling Oil Inc

30 8 26 Sheridan KS

DST Test Number: 4

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

59129

No 24677

Test Ticket

Well Name & No. <u>Sutor #8</u>	Test No. <u>#1</u>	Date <u>6/23/00</u>
Company <u>Drilling Oil Inc.</u>	Zone Tested <u>KC</u>	
Address <u>P.O. Box 550 Hays, KS 67601</u>	Elevation <u>2590</u> KB <u>2585</u> GL	
Co. Rep / Geo. <u>Roger Fisher</u>	Rig <u>W&W #4</u>	
Location: Sec. <u>30</u> Twp. <u>8</u> Rge. <u>20e</u>	Co. <u>Shenandoah</u> State <u>Ks</u>	
Comment: _____	Release date / time: _____	

Interval Tested <u>3682</u>	<u>3743</u>	Initial Str Wt./Lbs. <u>45000</u>	Unseated Str Wt./Lbs. <u>46,000</u>
Anchor Length _____	<u>61</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth _____	<u>3677</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>3682</u>	Hole Size 7 7/8" <input checked="" type="checkbox"/>	Rubber Size 6 3/4" <input checked="" type="checkbox"/>
Total Depth _____	<u>3743</u>	Wt. Pipe Run _____	Drill Collar Run <u>123'</u>
Mud Wt. <u>9.4</u> LCM <u>T</u> Vis. <u>53</u> WL <u>8.0</u>		Drill Pipe Size <u>4 1/2 IN</u>	Ft. Run <u>3558'</u>

Blow Description 4 in @ open, built to 3 3/4 in.
No returns
Surface blow in 4 in, built to 1 3/4 in
No returns

Recovery - Total Feet <u>200'</u>	GIP _____	Ft. in DC <u>123'</u>	Ft. in DP <u>77'</u>
Rec. <u>60</u>	Feet of <u>MCW</u>	%gas _____ %oil <u>80</u> %water <u>20</u> %mud _____	
Rec. <u>140</u>	Feet of <u>Water</u>	%gas _____ %oil <u>100</u> %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>115°</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW <u>.069</u>	@ <u>90</u> °F	Chlorides <u>85,000</u> ppm Recovery <u>85,000</u>	Chlorides <u>2000</u> ppm System

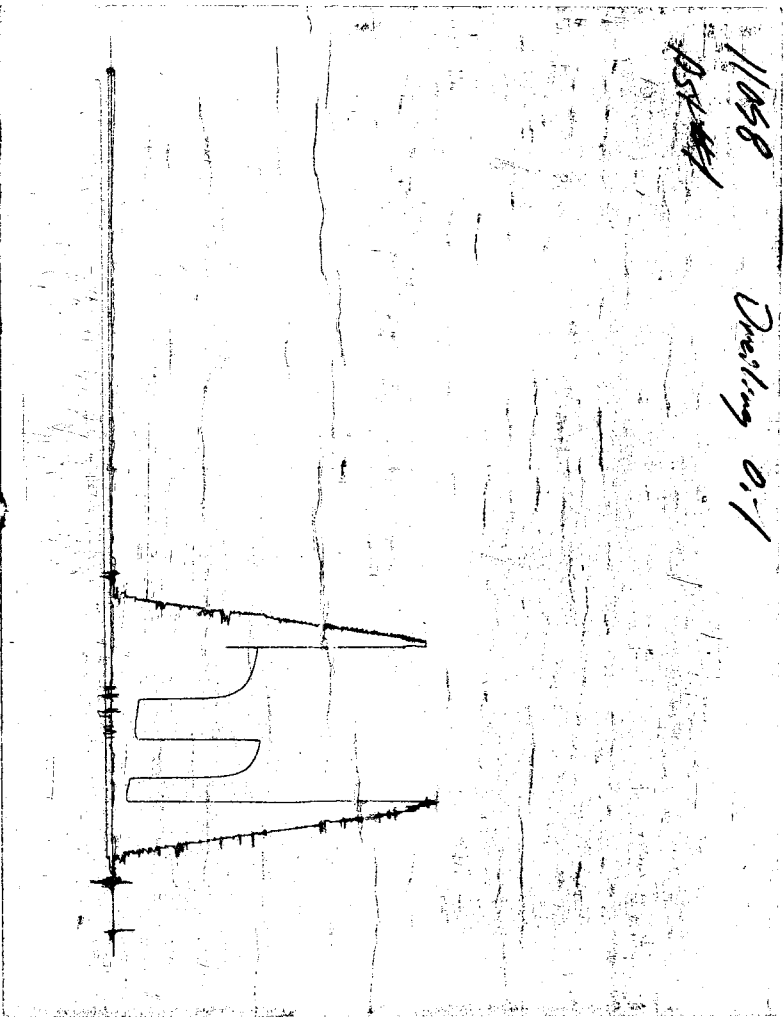
	AK-1	Alpine	Recorder No.	Test &
(A) Initial Hydrostatic Mud		<u>1827</u> PSI	<u>6607</u>	<u># 1000 °°</u>
(B) First Initial Flow Pressure		<u>24</u> PSI	(depth) <u>3683'</u>	Jars _____
(C) First Final Flow Pressure		<u>81</u> PSI	Recorder No. <u>11058</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>896</u> PSI	(depth) <u>3738'</u>	Circ Sub <u>N/K</u>
(E) Second Initial Flow Pressure		<u>83</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>122</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>883</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1768</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>255.00</u>

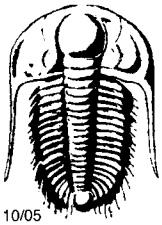
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Approved By [Signature]
 Our Representative [Signature]

T-On Location	<u>10:00</u> <u>AM</u>	Sub Total: <u># 1,255.00</u>
T-Started	<u>11:30</u> <u>AM</u>	Std. By _____
T-Open	<u>13:00</u> <u>PM</u>	Acc. Chg: _____
T-Pulled	<u>16:00</u> <u>PM</u>	Other: _____
T-Out	<u>17:45</u> <u>PM</u>	Total: <u># 1,255.00</u>

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24678

Test Ticket

Well Name & No. <u>Sutor #8</u>	Test No. <u>#2</u>	Date <u>6/24/06</u>
Company <u>Dreiling Oil Inc.</u>	Zone Tested <u>KC</u>	
Address <u>P.O. Box 550 Hays KS 67601</u>	Elevation <u>2590</u> KB <u>2585</u> GL	
Co. Rep / Geo. <u>Roger Fisher</u>	Rig <u>W3W #4</u>	
Location: Sec. <u>30</u> Twp. <u>8</u> Rge. <u>26</u> Co. <u>Sheldon</u> State <u>KS</u>		
Comment: _____	Release date / time: _____	

Interval Tested <u>3745</u>	<u>3817</u>	Initial Str Wt./Lbs. <u>46,000</u>	Unseated Str Wt./Lbs. <u>19,000</u>
Anchor Length _____	<u>72</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth _____	<u>3740</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>3745</u>	Hole Size 7 7/8" <input checked="" type="checkbox"/>	Rubber Size 6 3/4" <input checked="" type="checkbox"/>
Total Depth _____	<u>3817</u>	Wt. Pipe Run _____	Drill Collar Run <u>123</u>
Mud Wt. <u>9.4</u> LCM <u>71</u> Vis. <u>53</u> WL <u>8.0</u>		Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3621</u>

Blow Description B.O.B. in 6 min
No return

B.O.B. in 12 min.
No return

Recovery - Total Feet <u>660'</u>	GIP _____	Ft. in DC <u>123'</u>	Ft. in DP <u>537'</u>
Rec. <u>180</u>	Feet of <u>SOC W/M</u>	%gas <u>5</u> %oil <u>30</u> %water <u>65</u> %mud	
Rec. <u>180</u>	Feet of <u>SOC M/W</u>	%gas <u>5</u> %oil <u>65</u> %water <u>30</u> %mud	
Rec. <u>300'</u>	Feet of <u>M/W Trace of O.I</u>	%gas <u>Trace</u> %oil <u>90</u> %water <u>10</u> %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud	
BHT <u>124°</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API			
RW <u>.101</u> @ <u>68</u> °F Chlorides <u>77500</u> ppm Recovery <u>77500</u> Chlorides <u>2000</u> ppm System			

	AK-1	Alpine	Recorder No.	Test x
(A) Initial Hydrostatic Mud		<u>1864</u> PSI	<u>6667</u>	<u>#1000.00</u>
(B) First Initial Flow Pressure		<u>47</u> PSI	(depth) <u>3746</u>	Jars _____
(C) First Final Flow Pressure		<u>245</u> PSI	Recorder No. <u>11058</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>641</u> PSI	(depth) <u>3812</u>	Circ Sub <u>X N/C</u>
(E) Second Initial Flow Pressure		<u>252</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>350</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>624</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1826</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>30</u>	Mileage & toll <u>\$50.00</u>
			T-On Location <u>03:00</u> <u>A.M.</u>	Sub Total: <u>\$1050.00</u>
			T-Started <u>03:40</u> <u>A.M.</u>	Std. By _____
			T-Open <u>05:15</u> <u>A.M.</u>	Acc. Chg: _____
			T-Pulled <u>07:15</u> <u>A.M.</u>	Other: _____
			T-Out <u>09:25</u> <u>A.M.</u>	Total: <u>\$1050.00</u>

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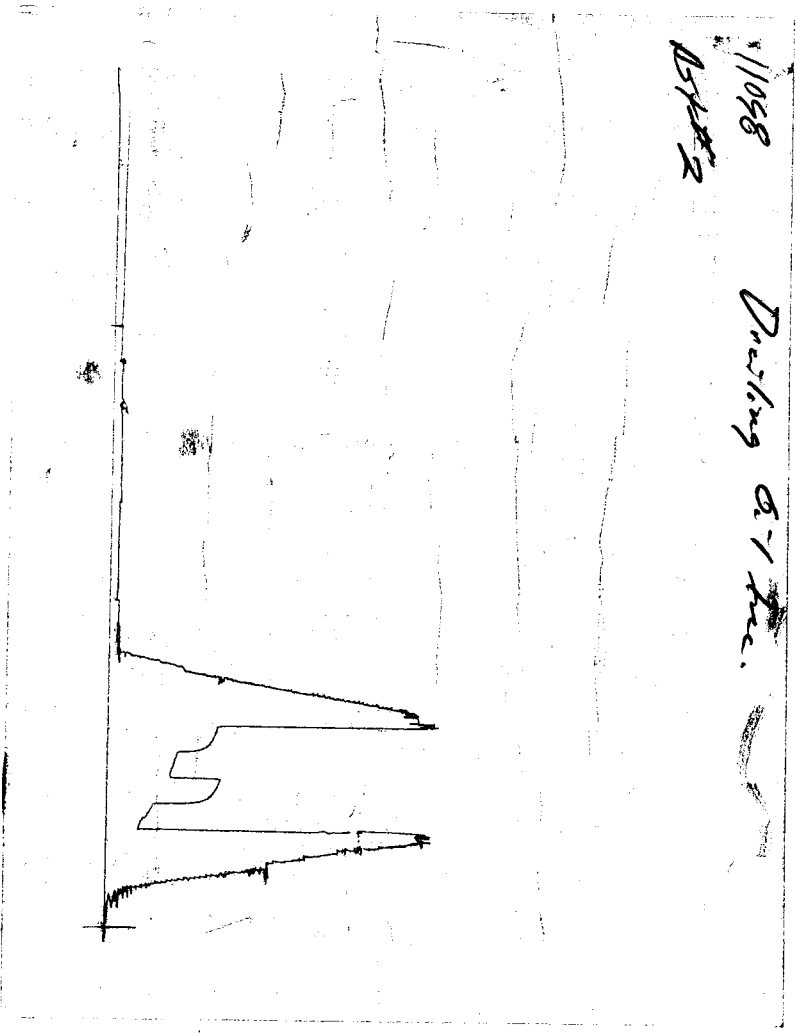
Approved By [Signature]

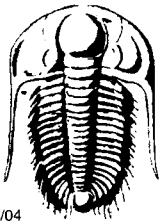
Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

11058
D-1
D-1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23105

9/04

Test Ticket

Well Name & No. <u>Sutor #8</u>	Test No. <u>3</u>	Date <u>6-24-06</u>
Company <u>Dreiling Oil Inc.</u>	Zone Tested <u>LKC H-I-J</u>	
Address <u>P.O. Box 550 Hays, KS 67601</u>	Elevation <u>2590</u> KB <u>2585</u> GL	
Co. Rep / Geo. <u>Roger Fisher</u>	Cont. <u>WW #4</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>30</u> Twp. <u>8</u> Rge. <u>26</u> Co. <u>Sheridan</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3844</u>	<u>3912</u>	Initial Str Wt./Lbs. <u>42,000</u>	Unseated Str Wt/Lbs. <u>42,000</u>
Anchor Length _____	<u>68</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>62000</u>
Top Packer Depth _____	<u>3839</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>3844</u>	Hole Size 7 7/8" <input checked="" type="checkbox"/>	Rubber Size 6 3/4" <input checked="" type="checkbox"/>
Total Depth _____	<u>3912</u>	Wt. Pipe Run _____	Drill Collar Run <u>123</u>
Mud Wt. <u>9.4</u> LCM <u>0</u> Vis. <u>48</u> WL <u>8.8</u>		Drill Pipe Size <u>4 1/2 X 4</u>	Ft. Run <u>3712</u>
Blow Description <u>IF: 1/4 blow built to 1/2 died in 22 min.</u>			

IS: No return.
FK: No blow.
FS: No return.

Recovery - Total Feet <u>66</u>	GIP _____	Ft. in DC <u>66</u>	Ft. in DP _____
Rec. <u>66</u> Feet of <u>OCM</u>	%gas _____ %oil _____ %water _____ %mud <u>95</u>		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
BHT <u>116</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API			
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides <u>3500</u> ppm System			

(A) Initial Hydrostatic Mud <u>1941</u> PSI	Recorder No. <u>6772</u>	Test <u>x 1000.00</u>
(B) First Initial Flow Pressure <u>12</u> PSI	(depth) <u>3845</u>	Jars _____
(C) First Final Flow Pressure <u>35</u> PSI	Recorder No. <u>7837</u>	Safety Jt. _____
(D) Initial Shut-In Pressure <u>288</u> PSI	(depth) <u>3911</u>	Circ Sub <u>x N/C</u>
(E) Second Initial Flow Pressure <u>39</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure <u>59</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure <u>279</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>1963</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

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Final Flow <u>30</u>	Ruined Packer _____
Final Shut-In <u>30</u>	Mileage <u>194-242.50</u>
T-On Location <u>19:00</u>	Sub Total: <u>1242.50</u>
T-Started <u>19:32</u>	Std. By _____
T-Open <u>20:50</u>	Other _____
T-Pulled <u>22:50</u>	Total: _____
T-Out <u>00:40</u>	

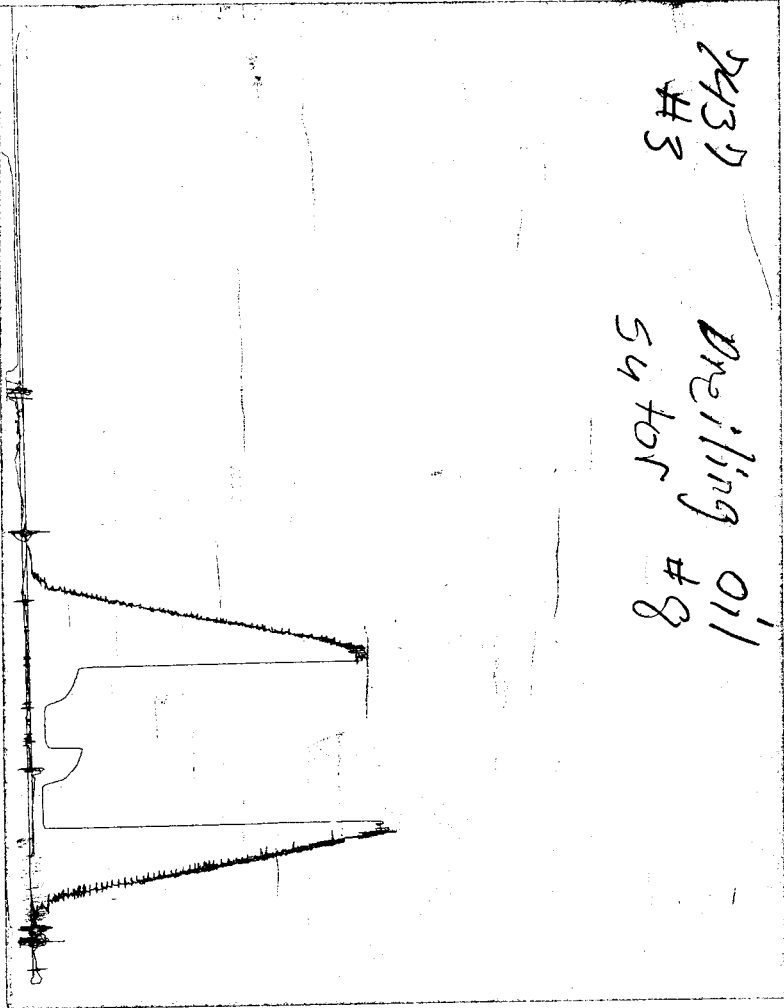
Approved By [Signature]
 Our Representative [Signature]

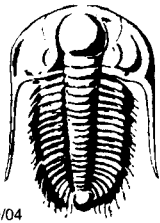
CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

2437
#3

Drilling Oil
54 TOR #8





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23106

9/04

Test Ticket

Well Name & No. Sutor #8 Test No. 4 Date 6-25-06
 Company Dreiling oil Inc Zone Tested LKC KL
 Address P.O. Box 550 Hays, KS 67601 Elevation 2590 KB 2585 GL
 Co. Rep / Geo. Roger Fisher Cont. WW #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 36 Twp. 8 Rge. 26 Co. Sheridan State KS
 No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3910 3950 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length _____ 40 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth _____ 3905 Tool Weight 1500
 Bottom Packer Depth _____ 3910 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 3950 Wt. Pipe Run _____ Drill Collar Run 123
 Mud Wt. 9.4 LCM 0 Vis. 48 WL 8.8 Drill Pipe Size 4 1/2 x H Ft. Run 3774

Blow Description IF! Surface blow died in 5 min.
IS: No return.
FF: No blow.
FS: No return.

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
 Rec. 5 Feet of mud %gas _____ %oil _____ %water 100 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 114 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3500 ppm System

	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud		<u>1983</u> PSI	<u>6772</u>	<u>1000.00</u>
(B) First Initial Flow Pressure		<u>11</u> PSI	(depth) <u>3911</u>	Jars _____
(C) First Final Flow Pressure		<u>13</u> PSI	Recorder No. <u>7437</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>34</u> PSI	(depth) <u>3949</u>	Circ Sub <u>x N/C</u>
(E) Second Initial Flow Pressure		<u>13</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>13</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>25</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1961</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>30</u>	Mileage <u>24-30.00</u>

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Approved By [Signature]
 Our Representative [Signature]

T-On Location 7:15
 T-Started 7:48
 T-Open 9:22
 T-Pulled 11:22
 T-Out 12:50
 Sub Total: 1030
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

2437 Drilling Oil
#4 Sat of #1

