

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

Box 550
Hays Ks 67601

ATTN: Terry Piesker

30-8-26-Sheridan-Ks

Sutor #7

Start Date: 2004.04.05 @ 19:30:16

End Date: 2004.04.06 @ 02:21:16

Job Ticket #: 19881 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Dreiling Oil Inc

Sutor #7

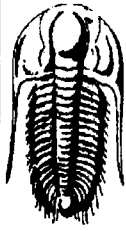
30-8-26-Sheridan-Ks

DST # 1

B-D

LKC

2004.04.05



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TESTING, INC.**

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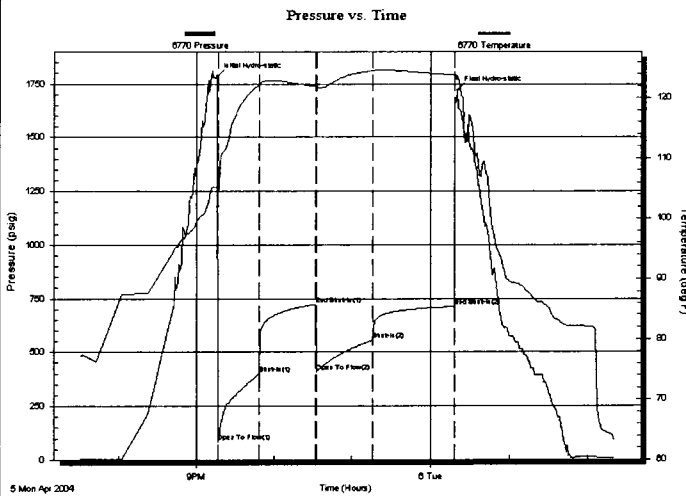
Sutor #7
30-8-26-Sheridan-Ks
Job Ticket: 19881 **DST#: 1**
Test Start: 2004.04.05 @ 19:30:16

GENERAL INFORMATION:

Formation: **B-D LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:16:46
Time Test Ended: 02:21:16
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21
Interval: **3689.00 ft (KB) To 3740.00 ft (KB) (TVD)**
Reference Elevations: 2541.00 ft (KB)
Total Depth: 3740.00 ft (KB) (TVD) 2536.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6770 Inside
Press@RunDepth: 554.37 psig @ 3695.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.04.05 End Date: 2004.04.06 Last Calib.: 2004.04.06
Start Time: 19:30:17 End Time: 02:21:16 Time On Btm: 2004.04.05 @ 21:16:16
Time Off Btm: 2004.04.06 @ 00:20:16

TEST COMMENT: F-Strong B-B in 2 min
FF-Strong B-B in 3 min
Times-30-45-45-60



PRESSURE SUMMARY

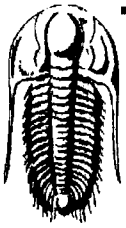
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1785.66	105.22	Initial Hydro-static
1	85.69	104.80	Open To Flow (1)
32	396.43	122.13	Shut-In (1)
76	722.36	121.85	End Shut-In (1)
77	408.14	121.75	Open To Flow (2)
120	554.37	124.52	Shut-In (2)
182	712.18	123.82	End Shut-In (2)
184	1720.30	123.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
673.00	Wtr	5.00
120.00	OCMdyW 20%o 60%w 20%m	1.68
120.00	OCM 30%o 70%m	1.68
120.00	MCO 70%o 30%m	1.68
90.00	CO	1.26
0.00	770 GIP	0.00

Gas Rates

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



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TESTING, INC.**

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TOOL DIAGRAM

Dreiling Oil Inc

Sutor #7

Box 550
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30-8-26-Sheridan-Ks

Job Ticket: 19881

DST#: 1

ATTN: Terry Plesker

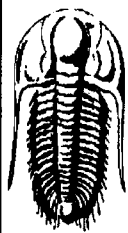
Test Start: 2004.04.05 @ 19:30:16

Tool Information

Drill Pipe:	Length: 3185.00 ft	Diameter: 3.80 inches	Volume: 44.68 bbl	Tool Weight: 1800.00 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: 487.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 47.07 bbl</u>	Tool Chased 9.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3689.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	72.00 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			3669.00	
Shut In Tool	5.00			3674.00	
Hydraulic tool	5.00			3679.00	
Packer	5.00			3684.00	21.00 Bottom Of Top Packer
Packer	5.00			3689.00	
Stubb	1.00			3690.00	
Perforations	4.00			3694.00	
Change Over Sub	1.00			3695.00	
Recorder	0.00	6770	Inside	3695.00	
Drill Pipe	31.00			3726.00	
Change Over Sub	1.00			3727.00	
Recorder	0.00	13254	Outside	3727.00	
Perforations	10.00			3737.00	
Bullnose	3.00			3740.00	51.00 Bottom Packers & Anchor

Total Tool Length: 72.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

Sutor #7

Box 550
Hays Ks 67601

30-8-26-Sheridan-Ks

Job Ticket: 19881 **DST#: 1**

ATTN: Terry Flesker

Test Start: 2004.04.05 @ 19:30:16

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 80000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
673.00	Wtr	5.004
120.00	OCMdyW 20%o 60%w 20%m	1.683
120.00	OCM 30%o 70%m	1.683
120.00	MCO 70%o 30%m	1.683
90.00	CO	1.262
0.00	770 GIP	0.000

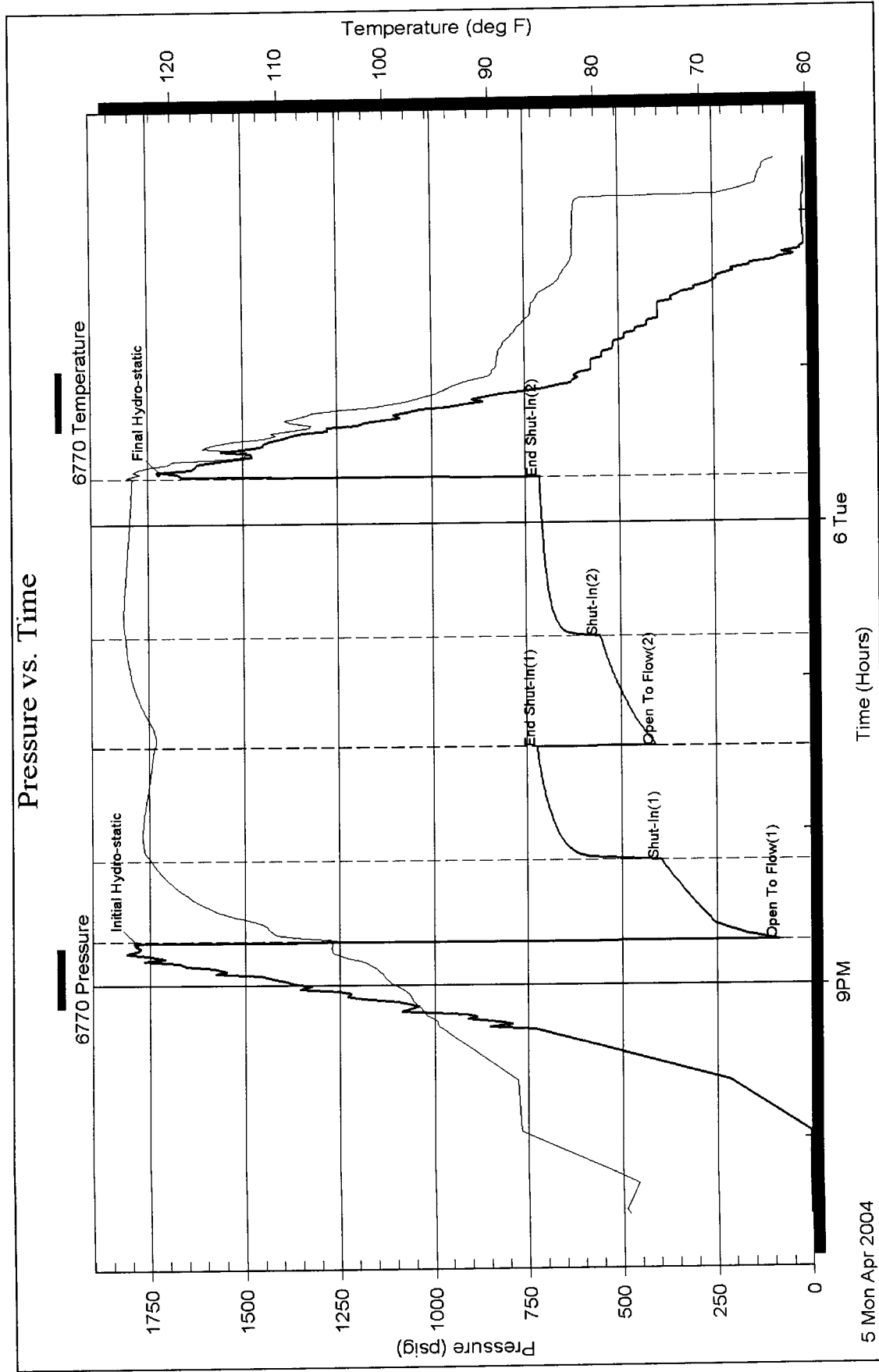
Total Length: 1123.00 ft Total Volume: 11.315 bbl

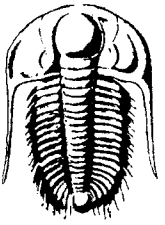
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

*INW
6327*

No 19881

05/03

Test Ticket

Well Name & No. SUTER #7 Test No. 1 Date 4-5-04
 Company Dreiling Oil, Inc Zone Tested B-D LKC
 Address Box 550, Hays Ks. 67601 Elevation 2541 KB 2536 GL
 Co. Rep / Geo. Matt Dreiling Cont. Martin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 30 Twp. 8 Rge. 26 Co. Sheridan State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3689 - 3740 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 54,000
 Anchor Length 51 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3684 Tool Weight 1800
 Bottom Packer Depth 3689 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3740 Wt. Pipe Run _____ Drill Collar Run 487
 Mud Wt. 9.1 LCM _____ Vis. 46 WL 7.2 Drill Pipe Size 4.5 XH Ft. Run 3185
 Blow Description F.F. Strong - B-B in 2 min.

F.F. Strong - B-B in 3 min.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>1123</u>	<u>770</u>	<u>487</u>	<u>636</u>
Rec. <u>90</u>	Feet of <u>CB540</u>	<u>10</u> %gas	<u>90</u> %oil
Rec. <u>120</u>	Feet of <u>MCO</u>	<u>70</u> %oil	<u>30</u> %water
Rec. <u>120</u>	Feet of <u>OCM</u>	<u>30</u> %oil	<u>70</u> %mud
Rec. <u>120</u>	Feet of <u>OCMdy WTR.</u>	<u>20</u> %oil	<u>60</u> %water
Rec. <u>673</u>	Feet of <u>WTR</u>	<u>20</u> %oil	<u>20</u> %mud
BHT <u>123</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity <u>36</u>
RW <u>.09</u>	@ <u>75</u> °F	Chlorides <u>89,000</u> ppm Recovery _____	Chlorides <u>6,000</u> ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1785</u> PSI	<u>6770</u>	<u>700</u>
(B) First Initial Flow Pressure	<u>85</u> PSI	(depth) <u>3695</u>	Elec. Rec. <u>X</u> <u>150</u>
(C) First Final Flow Pressure	<u>396</u> PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure	<u>722</u> PSI	(depth) <u>3727</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>408</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>554</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>712</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1720</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
		Final Flow <u>45</u>	Shale Packer _____
		Final Shut-In <u>60</u>	Mileage <u>75150</u> <u>12750</u>
		T-On Location <u>18:30</u>	Sub Total: <u>977.50</u>
		T-Started <u>19:30</u>	Std. By _____
		T-Open <u>21:17</u>	Other _____
		T-Pulled <u>00:17</u>	Total: _____
		T-Out <u>02:21</u>	

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Approved By M. H. [Signature]
 Our Representative Dan Bangle

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

