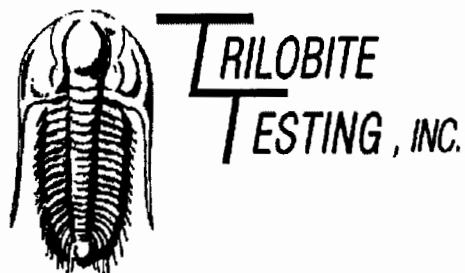


15-163-23432

28-9s-19w



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations, Inc.**

Po Box 33
Russell, KS. 67665

ATTN: Dave Shumaker

28-9s-19w-Rooks

Gilliland #2

Start Date: 2004.10.30 @ 20:58:18

End Date: 2004.10.31 @ 01:32:18

Job Ticket #: 20208 DST #: 1

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

Po Box 33
Russell, KS. 67665

ATTN: Dave Shumaker

Gilliland #2

28-9s-19w-Rooks

Job Ticket: 20208

DST#: 1

Test Start: 2004.10.30 @ 20:58:18

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 22:27:48

Time Test Ended: 01:32:18

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **24**

Interval: **3598.00 ft (KB) To 3662.00 ft (KB) (TVD)**

Total Depth: **3662.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2204.00 ft (KB)**

2199.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6753

Inside

Press@RunDepth: **20.28 psig @ 3602.00 ft (KB)**

Start Date: **2004.10.30**

End Date:

2004.10.31

Start Time: **20:58:23**

End Time:

01:32:17

Capacity: **7000.00 psig**

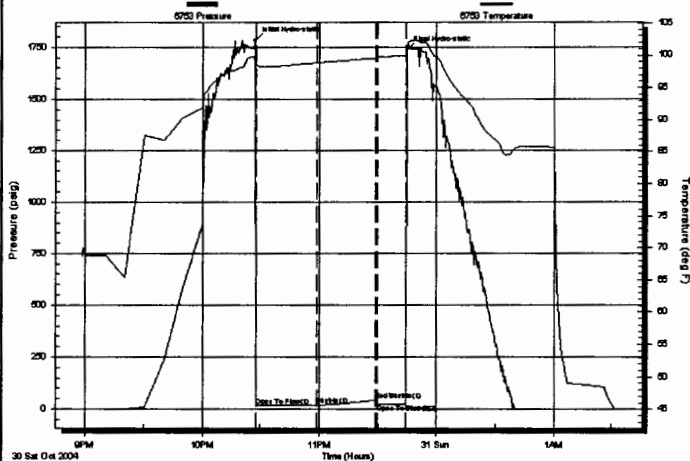
Last Calib.: **1899.12.30**

Time On Btm: **2004.10.30 @ 22:27:18**

Time Off Btm: **2004.10.30 @ 23:44:48**

TEST COMMENT: **FP-Weak Surface Blow, Died in 20 Min.**
IS-Dead
FFP-Flush Tool, Good Kick, No Blow After 15 Min.
FSI-Dead, Pull Tool

Pressure vs. Time



PRESSURE SUMMARY

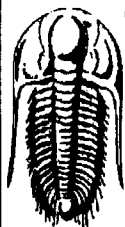
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.96	99.15	Initial Hydro-static
1	15.51	98.54	Open To Flow (1)
32	20.28	98.87	Shut-In(1)
62	42.46	99.55	End Shut-In(1)
63	23.38	99.83	Open To Flow (2)
77	24.97	99.97	Shut-In(2)
78	1736.63	100.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud With Oil Spots	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations, Inc.

Gilliland #2

Po Box 33
Russell, KS. 67665

28-9s-19w-Rooks

Job Ticket: 20208

DST#: 1

ATTN: Dave Shumaker

Test Start: 2004.10.30 @ 20:58:18

Tool Information

Drill Pipe:	Length: 3474.00 ft	Diameter: 3.80 inches	Volume: 48.73 bbl	Tool Weight: 2400.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 49.34 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3598.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	85.00 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			3578.00	
Shut In Tool	5.00			3583.00	
Hydraulic tool	5.00			3588.00	
Packer	5.00			3593.00	21.00 Bottom Of Top Packer
Packer	5.00			3598.00	
Stubb	1.00			3599.00	
Perforations	2.00			3601.00	
Change Over Sub	1.00			3602.00	
Recorder	0.00	6753	Inside	3602.00	
Blank Spacing	31.00			3633.00	
Change Over Sub	1.00			3634.00	
Perforations	25.00			3659.00	
Recorder	0.00	13252	Outside	3659.00	
Bullnose	3.00			3662.00	64.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations, Inc.

Gilliland #2

Po Box 33
Russell, KS. 67665

28-9s-19w-Rooks

Job Ticket: 20208

DST#: 1

ATTN: Dave Shumaker

Test Start: 2004.10.30 @ 20:58:18

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud With Oil Spots	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:

DST Test Number: 1

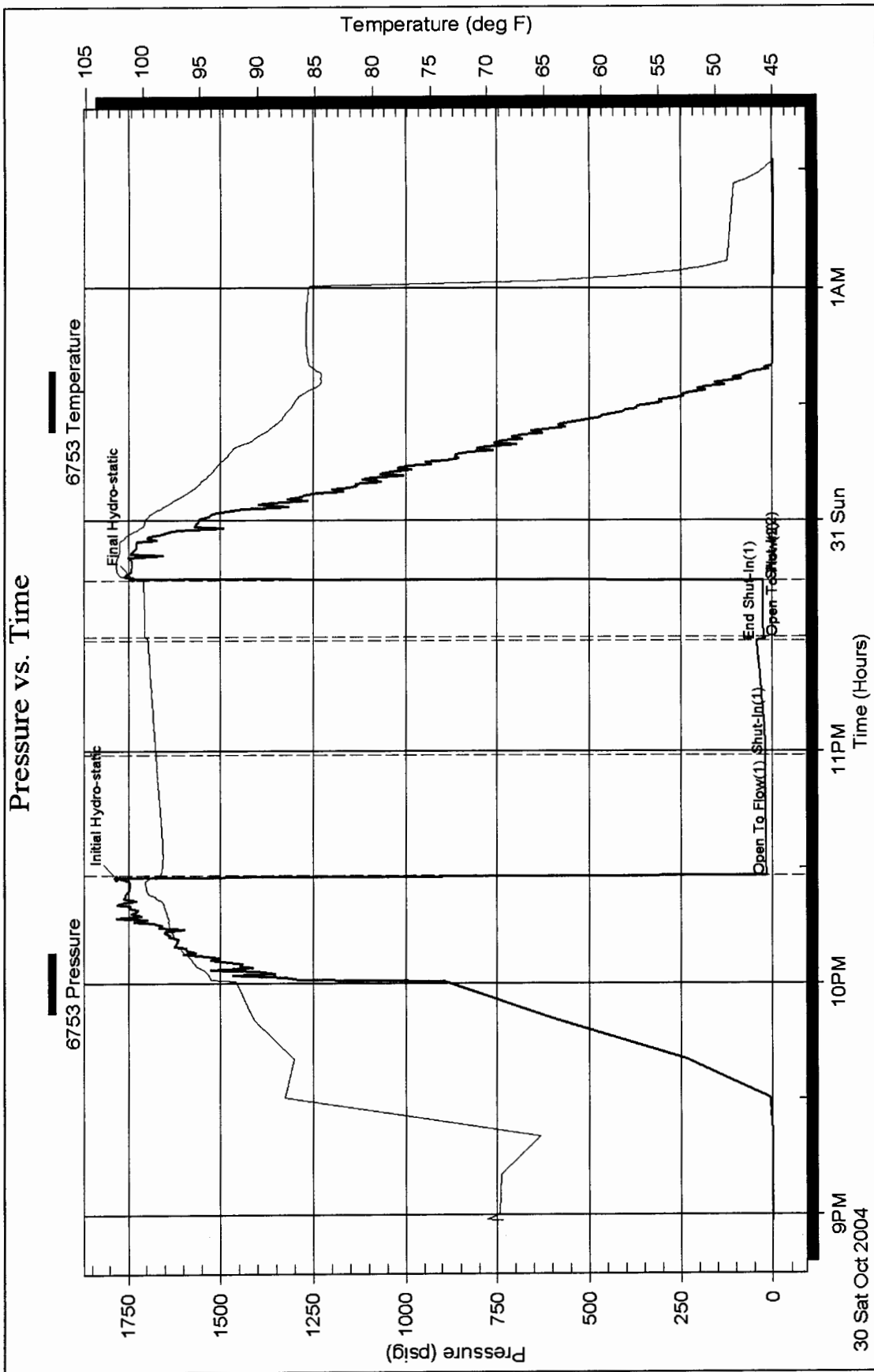
28-9s-19w-Rooks

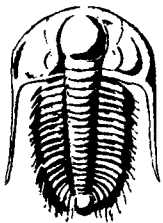
Mai Oil Operations, Inc.

Inside

Serial #: 6753

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

6914

No 20208

05/03

Test Ticket

Well Name & No.	Gilliland #2	Test No.	1	Date	10-30-04
Company	Mai Oil Operations, Inc.	Zone Tested	Arbuckle		
Address	PO Box 33, Russell, KS, 67665	Elevation	2204	KB	2199 GL
Co. Rep / Geo.	David Shumaker	Cont.	Murfin #16	Est. Ft. of Pay	Por. %
Location: Sec.	28	Twp.	9s	Rge.	19w Co. Rooks State KS
No. of Copies	Reg	Disbtribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested	3598 - 3662	Initial Str Wt./Lbs.	40,000	Unseated Str Wt./Lbs.	40,000
Anchor Length	64'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	45,000
Top Packer Depth	3593	Tool Weight	2,400		
Bottom Packer Depth	3598	Hole Size	7 7/8" ✓	Rubber Size	6 3/4" ✓
Total Depth	3662	Wt. Pipe Run	0	Drill Collar Run	124
Mud Wt.	9.4 LCM Tr	Vis.	45	WL	9.6
		Drill Pipe Size	4 1/2 XH	Ft. Run	3474

Blow Description IFP - Weak Surface Blow, Died in 20 min

IST - Dead

FFP - Flushed tool, Good Kick, No Blow after 15 min

FSI - pull tool

Recovery - Total Feet	5	GIP		Ft. in DC	5	Ft. in DP	
Rec.	5	Feet of	Mud with oil spots	%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
Rec.		Feet of		%gas		%oil	%water %mud
BHT	100°	°F Gravity		°API D @		°F Corrected Gravity	°API
RW		@		°F	Chlorides	ppm Recovery	Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1782	PSI	Recorder No.	6753	Test	✓	900
(B) First Initial Flow Pressure			16	PSI	(depth)	3602	Elec. Rec.	✓	
(C) First Final Flow Pressure			20	PSI	Recorder No.	13252	Jars		
(D) Initial Shut-In Pressure			42	PSI	(depth)	3659	Safety Jt.		
(E) Second Initial Flow Pressure			23	PSI	Recorder No.		Circ Sub		
(F) Second Final Flow Pressure			24	PSI	(depth)		Sampler		
(G) Final Shut-In Pressure			/	PSI	Initial Opening	30	Straddle		
(Q) Final Hydrostatic Mud			1737	PSI	Initial Shut-In	30	Ext. Packer		

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Our Representative

Jason Mc Loman Thank you

Final Flow	15	Shale Packer	
Final Shut-In	pull	Mileage	35 35
T-On Location	19:45	Sub Total:	935
T-Started	20:58	Std. By	
T-Open	22:28	Other	
T-Pulled	23:28 45	Total:	935
T-Out	1:15		

CHART PAGE

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

