

15-007-22991

28-32s-10w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co Inc**

PO Box 124
Kiowa KS 67070

ATTN: Arden Ratzlaff

28 32S10W Barber KS

Mary #2

Start Date: 2006.08.27 @ 13:44:21

End Date: 2006.08.28 @ 00:01:06

Job Ticket #: 24966 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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TESTING, INC.

DRILL STEM TEST REPORT

Chieftain Oil Co Inc

Mary #2

PO Box 124
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28 32S10W Barber KS

Job Ticket: 24966

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2006.08.27 @ 13:44:21

GENERAL INFORMATION:

Formation: **Misener**

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

Time Tool Opened: 17:15:51

Time Test Ended: 00:01:06

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4701.00 ft (KB) To 4732.00 ft (KB) (TVD)**

Total Depth: **4732.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1462.00 ft (KB)**

1454.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6771

Inside

Press@RunDepth: **182.08 psig @ 4702.00 ft (KB)**

Start Date: **2006.08.27**

End Date: **2006.08.28**

Capacity: **7000.00 psig**

Last Calib.: **2006.08.28**

Start Time: **13:44:26**

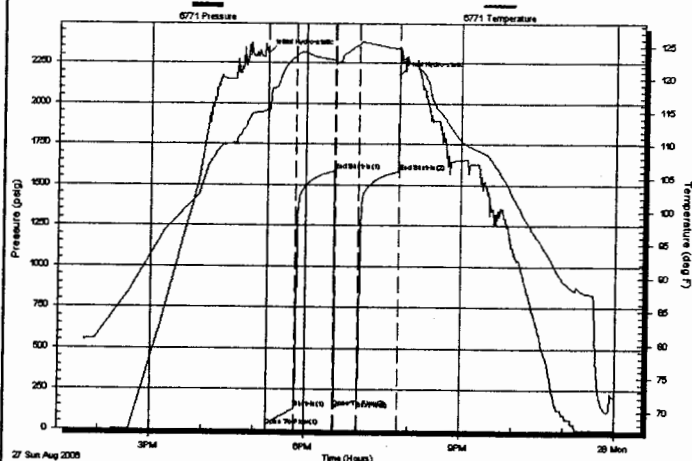
End Time: **00:01:06**

Time On Btm: **2006.08.27 @ 17:15:36**

Time Off Btm: **2006.08.27 @ 19:48:05**

TEST COMMENT: **IF Weak to fair blow Slow increase to 9 "**
ISI No blow
FF Weak to fair blow Slow increase to 6 "
FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.48	115.46	Initial Hydro-static
1	22.94	114.76	Open To Flow (1)
33	134.16	123.55	Shut-In (1)
78	1586.17	122.96	End Shut-In (1)
79	140.72	122.23	Open To Flow (2)
106	182.08	125.27	Shut-In (2)
152	1582.05	124.63	End Shut-In (2)
153	2177.21	125.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	SW Rw .07 OHMS@ 86 deg	1.33
75.00	MW 24%M 76%W	0.51

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co Inc

Mary #2

PO Box 124
Kiowa KS 67070

28 32S10W Barber KS

Job Ticket: 24966

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2006.08.27 @ 13:44:21

Tool Information

Drill Pipe:	Length: 4370.00 ft	Diameter: 3.80 inches	Volume: 61.30 bbl	Tool Weight: 2100.00 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: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 69000.00 lb
			Total Volume: 62.92 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4701.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	53.00 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			4680.00	
Shut In Tool	5.00			4685.00	
Hydraulic tool	5.00			4690.00	
Safety Joint	2.00			4692.00	
Packer	4.00			4696.00	22.00 Bottom Of Top Packer
Packer	5.00			4701.00	
Stubb	1.00			4702.00	
Recorder	0.00	6771	Inside	4702.00	
Perforations	25.00			4727.00	
Recorder	0.00	13789	Outside	4727.00	
Bullnose	5.00			4732.00	31.00 Bottom Packers & Anchor

Total Tool Length: 53.00



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FLUID SUMMARY

Chieftain Oil Co Inc

Mary #2

PO Box 124
Kiowa KS 67070

28 32S10W Barber KS

Job Ticket: 24966

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2006.08.27 @ 13:44:21

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:

94000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	SW Rw .07 OHMS@ 86 deg	1.328
75.00	MW 24%M 76%W	0.505

Total Length: 345.00 ft

Total Volume: 1.833 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

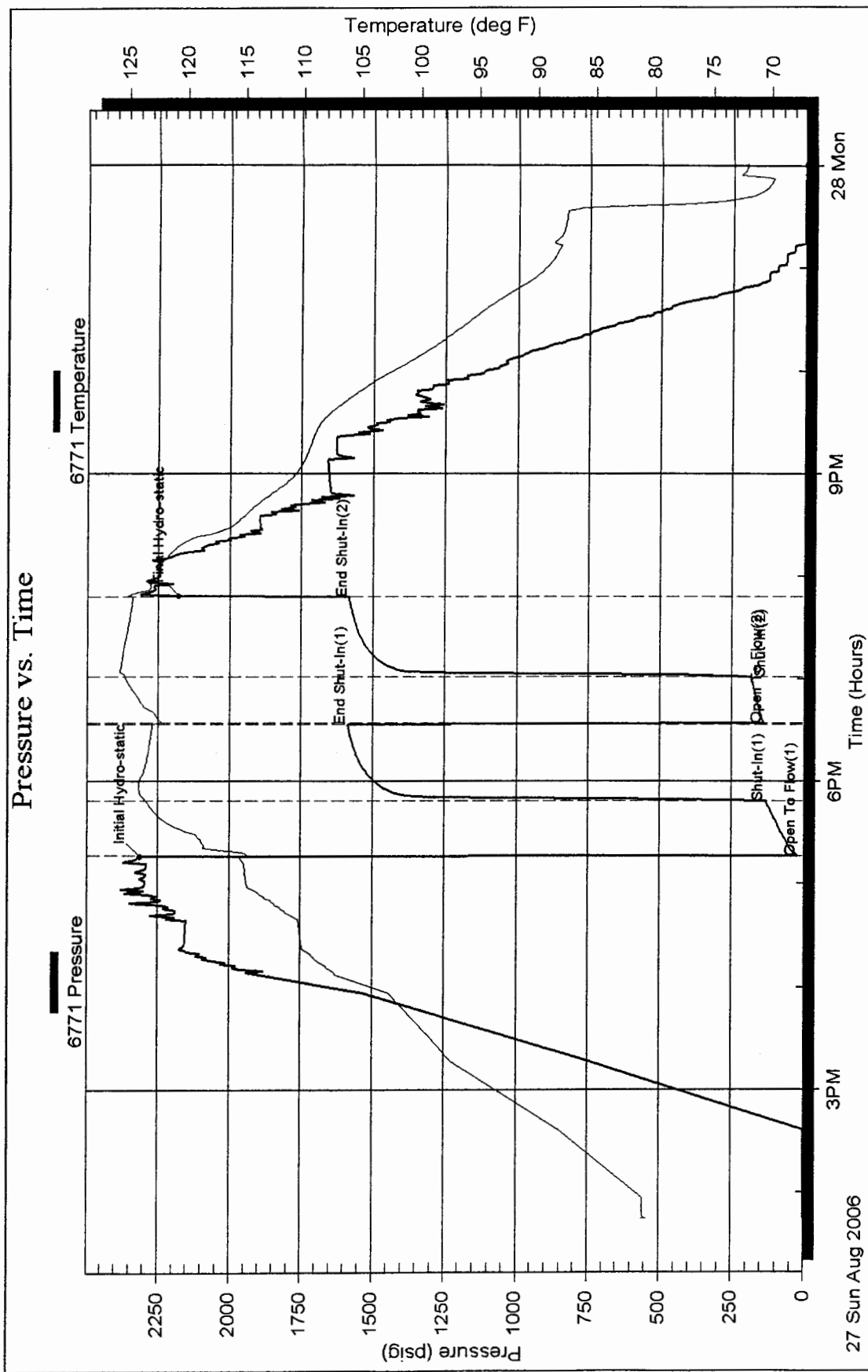
Serial #: 6771

Inside

Chieftain Oil Co Inc

28 32S10W Barber KS

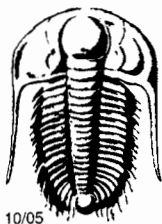
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 24966

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9202

24966

Test Ticket

Well Name & No. Mary #2 Test No. 1 Date 8-27-06
 Company Chieftain Oil Co. Inc. Zone Tested Misener
 Address P.O. Box 124, Kiowa Ks. 67020 Elevation 1462 KB 1434 GL
 Co. Rep / Geo. Arden Ratcliff Rig D & B Dily. #1
 Location: Sec. 28 Twp. 32S Rge. 10W Co. Barber State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 4701 - 4732 Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 44,000
 Anchor Length 31' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 69,000
 Top Packer Depth 4696' Tool Weight 2100#
 Bottom Packer Depth 4701' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4732' Wt. Pipe Run None Drill Collar Run 330
 Mud Wt. 9.2 LCM ~ Vis. 50 WL 8.8 cc Drill Pipe Size 4 1/2" Ft. Run 4320
 Blow Description IF: Weak to fair blow, slow increase to 9".
ISI: No blow.
FF: Weak to fair blow, slow increase to 6". FSI: No blow.

Recovery - Total Feet 345 GIP 0 Ft. in DC 330 Ft. in DP 15
 Rec. 25 Feet of MW %gas %oil 76 %water 24 %mud
 Rec. 270 Feet of SW %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 125 °F Gravity N/A API D @ ~ °F Corrected Gravity N/A API
 RW .07 @ 86 °F Chlorides 94,000 ppm Recovery _____ Chlorides 4,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2321</u>	PSI	Recorder No.	<u>6771</u>	Test <u>✓ 1200</u>
(B) First Initial Flow Pressure	<u>23</u>	PSI	(depth)	<u>4702'</u>	Jars _____
(C) First Final Flow Pressure	<u>134</u>	PSI	Recorder No.	<u>13789</u>	Safety Jt. <u>✓ 75</u>
(D) Initial Shut-In Pressure	<u>1586</u>	PSI	(depth)	<u>4727'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>141</u>	PSI	Recorder No.	<u>~</u>	Sampler _____
(F) Second Final Flow Pressure	<u>182</u>	PSI	(depth)	<u>~</u>	Straddle _____
(G) Final Shut-In Pressure	<u>1582</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2290</u>	PSI	Initial Shut-In	<u>45</u>	Shale Packer _____
			Final Flow	<u>30</u>	Ruined Packer _____
			Final Shut-In	<u>45</u>	Mileage <u>84</u> <u>✓ 105</u>
			T-On Location	<u>1245</u>	Sub Total: <u>1380.00</u>
			T-Started	<u>1344</u>	Std. By <u>✓ 200</u>
			T-Open	<u>1715</u>	Acc. Chg: <u>✓ 150</u>
			T-Pulled	<u>1921</u>	Other: _____
			T-Out	<u>0001</u>	Total: <u>1730</u>

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Approved By Arden Ratcliff
 Our Representative Gary Burdette

Final Flow 30
 Final Shut-In 45
 T-On Location 1245
 T-Started 1344
 T-Open 1715
 T-Pulled 1921
 T-Out 0001

11.15

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

