

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste1000
Wichita KS67202

ATTN: Curtis Covey

31 33 10W Barber KS

Jahay#1

Start Date: 2006.10.14 @ 00:19:34

End Date: 2006.10.14 @ 09:37:04

Job Ticket #: 25478 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

Woolsey Operating Co LLC

Jahay#1

125 N Market Ste1000
Wichita KS67202

31 33 10W Barber KS

Job Ticket: 25478

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.10.14 @ 00:19:34

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock ft (KB)

Time Tool Opened: 03:05:19

Time Test Ended: 09:37:04

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: 4530.00 ft (KB) To 4614.00 ft (KB) (TVD)

Total Depth: 4614.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1476.00 ft (KB)

1466.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6771

Inside

Press@RunDepth: 27.87 psig @ 4531.00 ft (KB)

Start Date: 2006.10.14

End Date:

2006.10.14

Capacity: 7000.00 psig

Last Calib.: 2006.10.14

Start Time: 00:19:39

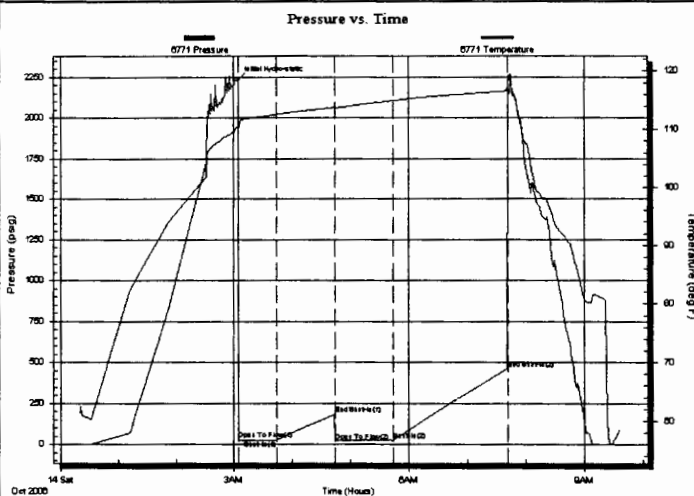
End Time:

09:37:04

Time On Btm: 2006.10.14 @ 03:04:19

Time Off Btm:

TEST COMMENT: IF Strong blow BOB in 13 1/2 mins.
ISI No blow
FF Fair to strong blow BOB in 19 mins.
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2231.25	110.42	Initial Hydro-static
1	29.76	110.18	Open To Flow (1)
40	26.82	112.57	Shut-In (1)
100	182.66	113.76	End Shut-In (1)
101	18.68	113.71	Open To Flow (2)
160	27.87	114.95	Shut-In (2)
277	463.43	116.57	End Shut-In (2)

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SGCM 3%G 97%M	0.17
0.00	630 ft. of GIP	0.00

Gas Rates

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

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TOOL DIAGRAM

Woolsey Operating Co LLC

Jahay#1

125 N Market Ste1000
Wichita KS67202

31 33 10W Barber KS

Job Ticket: 25478

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.10.14 @ 00:19:34

Tool Information

Drill Pipe:	Length: 4391.00 ft	Diameter: 3.80 inches	Volume: 61.59 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume: 62.20 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4530.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	111.00 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			4504.00		
Shut In Tool	5.00			4509.00		
Hydraulic tool	5.00			4514.00		
Jars	5.00			4519.00		
Safety Joint	2.00			4521.00		
Packer	4.00			4525.00	27.00	Bottom Of Top Packer
Packer	5.00			4530.00		
Stubb	1.00			4531.00		
Recorder	0.00	6771	Inside	4531.00		
Perforations	5.00			4536.00		
Change Over Sub	1.00			4537.00		
Blank Spacing	63.00			4600.00		
Change Over Sub	1.00			4601.00		
Perforations	8.00			4609.00		
Recorder	0.00	13789	Outside	4609.00		
Bullnose	5.00			4614.00	84.00	Bottom Packers & Anchor
Total Tool Length:		111.00				



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FLUID SUMMARY

Woolsey Operating Co LLC

Jahay#1

125 N Market Ste1000
Wichita KS67202

31 33 10W Barber KS

Job Ticket: 25478

DST#: 1

ATTN: Curtis Covey

Test Start: 2006.10.14 @ 00:19:34

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:

9000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	SGCM 3%G 97%M	0.172
0.00	630 ft. of GIP	0.000

Total Length: 35.00 ft

Total Volume:

0.172 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 4#/bbl

DST Test Number: 1

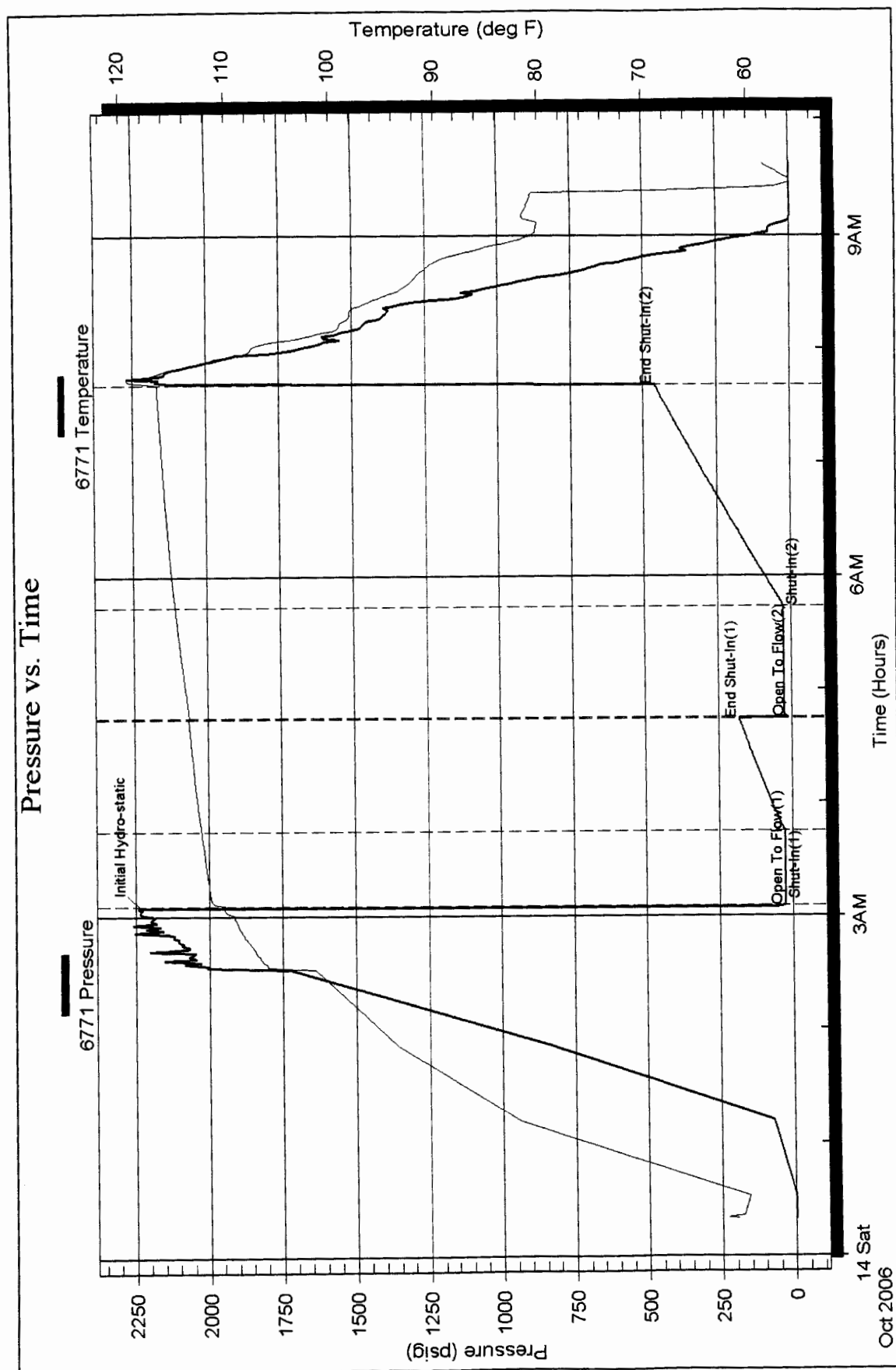
31 33 10W Barber KS

Woolsey Operating Co LLC

Inside

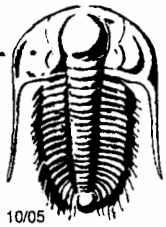
Serial #: 6771

Pressure vs. Time



Ref. No: 25478

Triobite Testing, Inc



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25478

9392

Test Ticket

Well Name & No. Jayhaw #1 Test No. 1 Date 10-14-06
 Company Woolsey Oper. Co. LLC Zone Tested Miss.
 Address 25 N. Market, Ste. 1000, Wichita Ks. 67202 Elevation 1476 KB 1466 GL
 Co. Rep / Geo. Curtis Covey Rig Val #3
 Location: Sec. 31 Twp. 33S Rge. 10W Co. Barber State KS
 Comment: _____ Release date / time: _____

Interval Tested 4530 - 4614' Initial Str Wt./Lbs. 66,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 84' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 72,000
 Top Packer Depth 4525' Tool Weight 2100#
 Bottom Packer Depth 4530' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4614' Wt. Pipe Run None Drill Collar Run 124
 Mud Wt. 8.8 LCM 4# Vis. 5c WL 8.4cc Drill Pipe Size 4 1/2" Ft. Run 4381
 Blow Description IF: Strong blow. B.O.B. in 13 1/2 mins. ISI: No blow.

FF: Fair to strong blow. B.O.B. in 19 mins. FSI: No blow.

Recovery - Total Feet 35 GIP G30 Ft. in DC 35 Ft. in DP 0
 Rec. 35 Feet of SGCM 3%gas %oil %water 97 %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 117 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API
 RW N.C. @ _____ °F Chlorides 9,000 ppm Recovery _____ Chlorides 9,000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2230</u> PSI	<u>6771</u>	<u>✓ 1200</u>
(B) First Initial Flow Pressure	<u>30</u> PSI	<u>4531'</u>	Jars <u>✓ 250</u>
(C) First Final Flow Pressure	<u>27</u> PSI	<u>13789</u>	Safety Jt. <u>✓ 75</u>
(D) Initial Shut-In Pressure	<u>183</u> PSI	<u>4609'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>19</u> PSI	_____	Sampler _____
(F) Second Final Flow Pressure	<u>28</u> PSI	_____	Straddle _____
(G) Final Shut-In Pressure	<u>463</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2182</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
		Final Flow <u>60</u>	Ruined Packer _____
		Final Shut-In <u>120</u>	Mileage <u>102</u> <u>✓ 127.5</u>
		T-On Location <u>2250</u>	Sub Total: <u>1652.5</u>
		T-Started <u>0019</u>	Std. By <u>2.5</u> <u>✓ 250.0</u>
		T-Open <u>0305</u>	Acc. Chg: _____
		T-Pulled <u>0745</u>	Other: _____
		T-Out <u>0937</u>	Total: <u>11902.50</u>

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Approved By [Signature]
 Our Representative [Signature]

CHART PAGE

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

