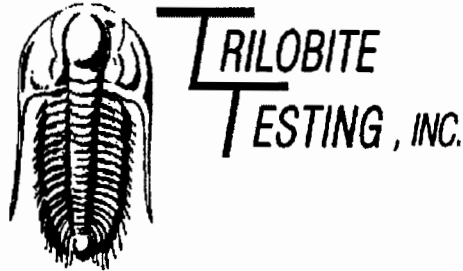


15-065-23012

33-9s-21w



DRILL STEM TEST REPORT

Prepared For: **Shelby Res LLC**

5893 Saddle Creek Trail
Parker Co 80134

ATTN: Jim Waechter

33-9-21-Grham-Ks

Allphin #5

Start Date: 2004.11.21 @ 02:15:32

End Date: 2004.11.21 @ 10:59:02

Job Ticket #: 20871 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

Shelby Res LLC

5893 Saddle Creek Trail
Parker Co 80134

ATTN: Jim Waechter

Allphin #5

33-9-21-Graham-Ks

Job Ticket: 20871

DST#: 1

Test Start: 2004.11.21 @ 02:15:32

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 04:31:02

Time Test Ended: 10:59:02

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **3896.00 ft (KB) To 3909.00 ft (KB) (TVD)**

Total Depth: **3909.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2329.00 ft (KB)**

2324.00 ft (CF)

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

Serial #: **6799**

Inside

Press@RunDepth: **1159.38 psig @ 3897.00 ft (KB)**

Start Date: **2004.11.21**

End Date:

2004.11.21

Start Time: **02:15:33**

End Time:

10:59:02

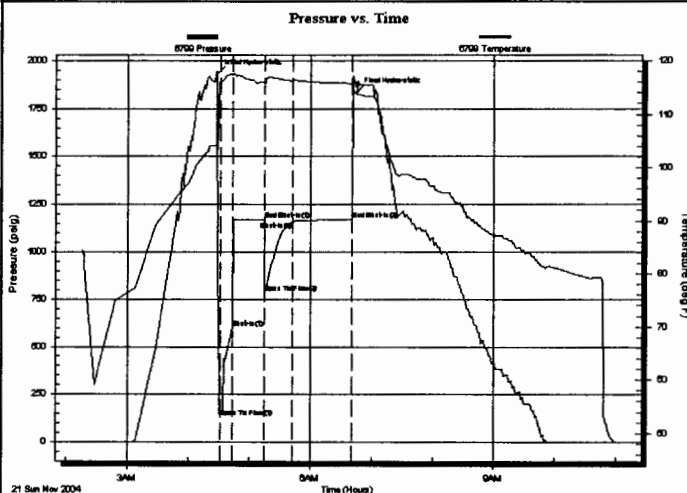
Capacity: **7000.00 psig**

Last Calib.: **2004.11.21**

Time On Btm: **2004.11.21 @ 04:28:02**

Time Off Btm: **2004.11.21 @ 06:45:32**

TEST COMMENT: **IF-Strong B-B in 1 min**
FF-Strong B-B in 20 sec
Times-15-30-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1935.08	104.44	Initial Hydro-static
3	133.24	116.30	Open To Flow (1)
16	598.02	117.39	Shut-In(1)
47	1171.40	115.96	End Shut-In(1)
47	782.57	115.16	Open To Flow (2)
74	1159.38	116.29	Shut-In(2)
133	1169.09	115.70	End Shut-In(2)
138	1837.73	113.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
900.00	Mdy Wtr	11.55
1900.00	Wtr C O 60%o 40%w	26.65

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Res LLC

Allphin #5

5893 Saddle Creek Trail
Parker Co 80134

33-9-21-Grham-Ks

Job Ticket: 20871

DST#: 1

ATTN: Jim Waechter

Test Start: 2004.11.21 @ 02:15:32

Tool Information

Drill Pipe:	Length: 3784.00 ft	Diameter: 3.80 inches	Volume: 53.08 bbl	Tool Weight:	1600.00 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: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	60000.00 lb
			Total Volume: 53.66 bbl	Tool Chased	3.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3896.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	34.00 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			3876.00	
Shut In Tool	5.00			3881.00	
Hydraulic tool	5.00			3886.00	
Packer	5.00			3891.00	21.00 Bottom Of Top Packer
Packer	5.00			3896.00	
Stubb	1.00			3897.00	
Recorder	0.00	6799	Inside	3897.00	
Perforations	9.00			3906.00	
Recorder	0.00	13254	Outside	3906.00	
Bullnose	3.00			3909.00	13.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Res LLC

Allphin #5

5893 Saddle Creek Trail
Parker Co 80134

33-9-21-Grham-Ks

Job Ticket: 20871

DST#: 1

ATTN: Jim Waechter

Test Start: 2004.11.21 @ 02:15:32

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:

30000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1750.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
900.00	Mdy Wtr	11.550
1900.00	Wtr C O 60%o 40%w	26.652

Total Length: 2800.00 ft

Total Volume: 38.202 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

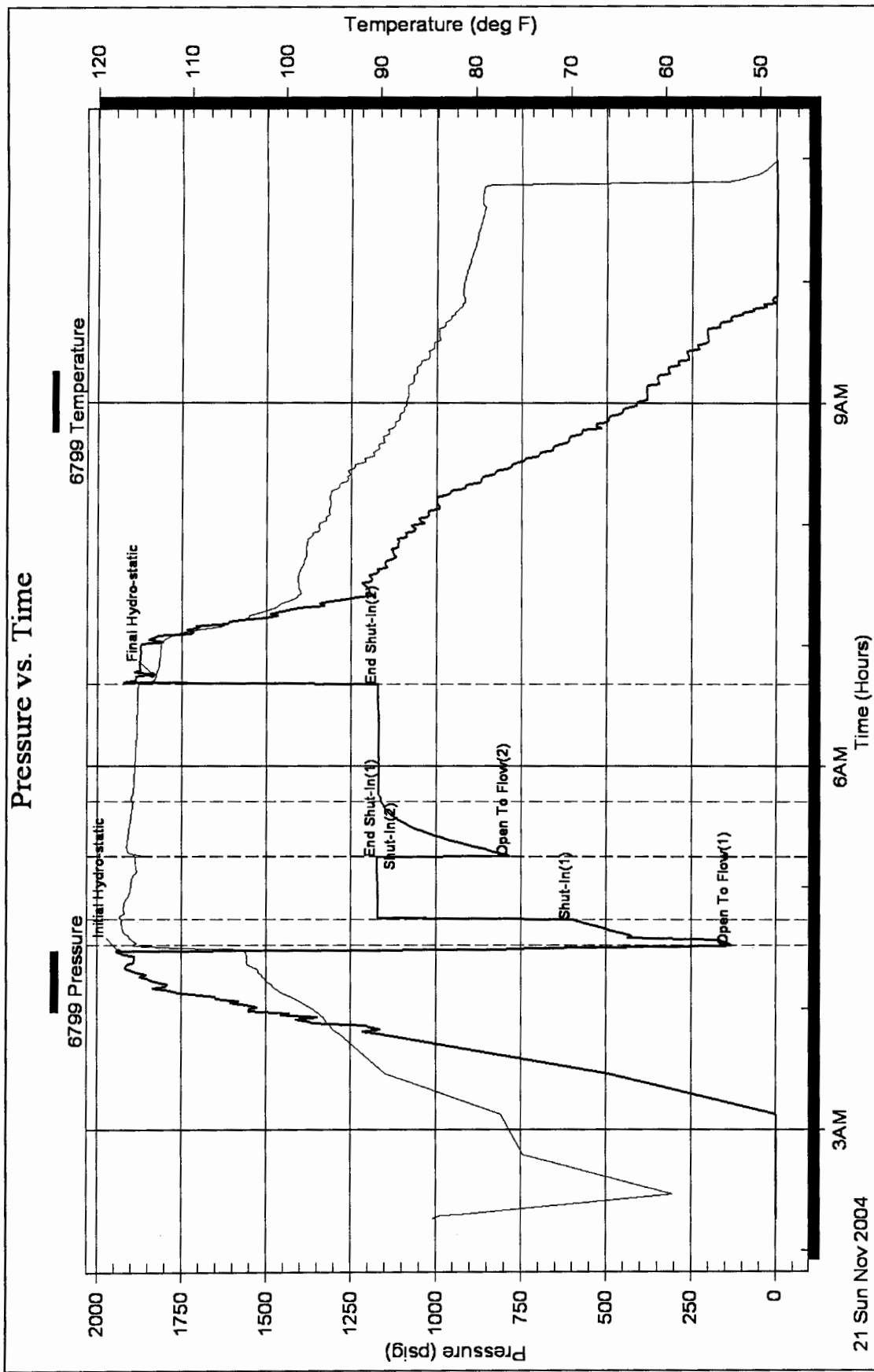
Serial #: 6799

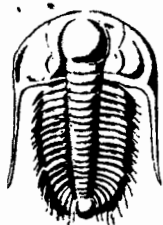
Inside

Shelby Res LLC

33-9-21-Gham-Ks

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
0962

No 20871

05/03

Test Ticket

Well Name & No. <u>Alphin #5</u>	Test No. <u>1</u>	Date <u>11-21-04</u>
Company <u>Shelby Res. LLC</u>	Zone Tested <u>Arbuckle</u>	
Address <u>5893 Saddle Creek Trail, Parker, Co. 80134</u>	Elevation <u>2329</u> KB <u>2324</u>	GL
Co. Rep / Geo. <u>Jeff Zeller</u>	Cont. <u>Murfin #24</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>33</u> Twp. <u>9</u> Rge. <u>21</u> Co. <u>Graham</u> State <u>Ks</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3896 — 3909</u>	Initial Str Wt./Lbs. <u>40,000</u>	Unseated Str Wt./Lbs. <u>48,000</u>
Anchor Length <u>13</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>69,000</u>
Top Packer Depth <u>3891</u>	Tool Weight <u>1600</u>	
Bottom Packer Depth <u>3896</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3909</u>	Wt. Pipe Run _____	Drill Collar Run <u>118</u>
Mud Wt. <u>9</u> LCM _____ Vis. <u>53</u> WL <u>6.8</u>	Drill Pipe Size <u>4.5XH</u>	Ft. Run <u>3784</u>
Blow Description <u>I.F. Strong B-B in 1 min.</u>		

F.F. Strong B-B in 20 Sec.

Recovery - Total Feet <u>2800</u>	GIP _____	Ft. in DC <u>118</u>	Ft. in DP <u>2682</u>
Rec. <u>1900</u>	Feet of <u>WTR C Oil</u>	%gas <u>60</u> %oil <u>40</u> %water _____ %mud _____	
Rec. <u>900</u>	Feet of <u>mdy WTR.</u>	%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>115</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API			
RW <u>1.13</u> @ <u>78</u> °F Chlorides <u>3900</u> ppm Recovery _____ Chlorides <u>1750</u> ppm System			

AK-1	Alpine	
(A) Initial Hydrostatic Mud	<u>1935</u> PSI	Recorder No. <u>6799</u>
(B) First Initial Flow Pressure	<u>133</u> PSI	(depth) <u>3897</u>
(C) First Final Flow Pressure	<u>598</u> PSI	Recorder No. <u>13254</u>
(D) Initial Shut-In Pressure	<u>1171</u> PSI	(depth) <u>3906</u>
(E) Second Initial Flow Pressure	<u>782</u> PSI	Recorder No. _____
(F) Second Final Flow Pressure	<u>1159</u> PSI	(depth) _____
(G) Final Shut-In Pressure	<u>1169</u> PSI	Initial Opening <u>15</u>
(Q) Final Hydrostatic Mud	<u>1837</u> PSI	Initial Shut-In <u>30</u>
		Final Flow <u>30</u>
		Final Shut-In <u>60</u>
		T-On Location <u>23:00</u>
		T-Started <u>02:15</u>
		T-Open <u>04:25</u>
		T-Pulled <u>06:40</u>
		T-Out <u>10:59</u>

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 [Signature]
Our Representative Don Bangle

Test _____
Elec. Rec. X
Jars _____
Safety Jt. _____
Circ Sub _____
Sampler _____
Straddle _____
Ext. Packer _____
Shale Packer _____
Mileage 96
Sub Total: 996.00
Std. By Yhr 120
Other _____
Total: \$ 1116.00

CHART PAGE

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

