

15-007-23057

3-32s-10w



DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co Inc**

PO Box 124
Kiowa KS 67070

ATTN: Arden Ratzlaff

3 32S 10W Barber KS

Rowe #1

Start Date: 2106.02.06 @ 06:28:15

End Date: 2106.02.06 @ 15:39:30

Job Ticket #: 24939 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

Chieftain Oil Co Inc

PO Box 124
Kiowa KS 67070

ATTN: Arden Ratzlaff

Rowe #1

3 32S 10W Barber KS

Job Ticket: 24939

DST#: 1

Test Start: 2106.02.06 @ 06:28:15

GENERAL INFORMATION:

Formation: **Swope**

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

Time Tool Opened: 09:33:45

Time Test Ended: 15:39:30

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **4098.00 ft (KB) To 4124.00 ft (KB) (TVD)**

Total Depth: **4124.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1522.00 ft (KB)**

1515.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: **6668** Inside

Press@RunDepth: **162.44 psig @ 4099.00 ft (KB)**

Start Date: **2106.02.06**

End Date:

2106.02.06

Start Time: **06:28:16**

End Time:

15:39:30

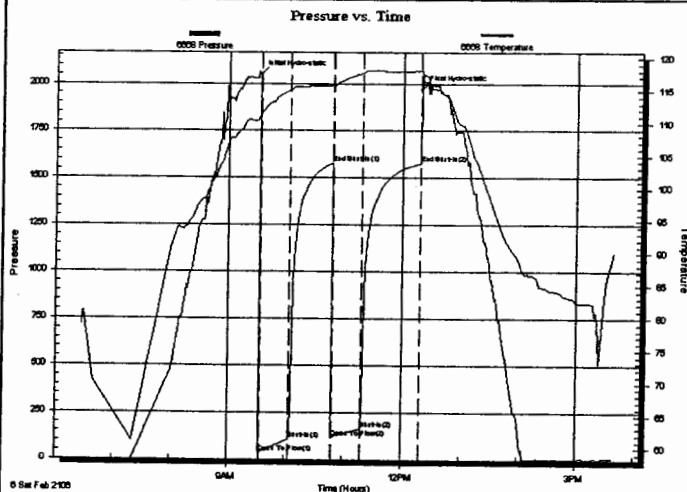
Capacity: **7000.00 psig**

Last Calib.: **2006.09.07**

Time On Btm: **2106.02.06 @ 09:32:45**

Time Off Btm: **2106.02.06 @ 12:19:15**

TEST COMMENT: IF Strong blow BOB in 90 secs.
ISI Weak blow back Surface blow
FF Fair blow Built to 7 " in bucket
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.08	111.10	Initial Hydro-static
1	33.76	111.61	Open To Flow (1)
32	106.49	115.14	Shut-In(1)
76	1577.55	115.84	End Shut-In(1)
76	116.44	115.36	Open To Flow (2)
106	162.44	117.69	Shut-In(2)
166	1577.48	118.04	End Shut-In(2)
167	1971.47	118.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GCMW TRC Oil 1%G 34%M 65%W	0.89
130.00	G&OCM 1%G 29%O 70%M	1.02
960.00	GIP	13.47
0.00		0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co Inc

Rowe #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 24939

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2106.02.06 @ 06:28:15

Tool Information

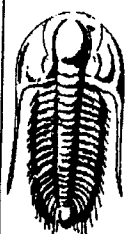
Drill Pipe:	Length: 3813.00 ft	Diameter: 3.80 inches	Volume: 53.49 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 268.00 ft	Diameter: 2.25 inches	Volume: 1.32 bbl	Weight to Pull Loose: 56000.00 lb
		Total Volume: 54.81 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4098.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	50.00 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			4075.00	
Shut In Tool	5.00			4080.00	
Hydraulic tool	5.00			4085.00	
Safety Joint	3.00			4088.00	
Packer	5.00			4093.00	24.00 Bottom Of Top Packer
Packer	5.00			4098.00	
Stubb	1.00			4099.00	
Recorder	0.00	6668	Inside	4099.00	
Perforations	22.00			4121.00	
Recorder	0.00	13266	Outside	4121.00	
Bullnose	3.00			4124.00	26.00 Bottom Packers & Anchor

Total Tool Length: 50.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftain Oil Co Inc

Rowe #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 24939

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2106.02.06 @ 06:28:15

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: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	GCMW TRC Oil 1%G 34%M 65%W	0.885
130.00	G&OCM 1%G 29%O 70%M	1.022
960.00	GIP	13.466
0.00		0.000

Total Length: 1270.00 ft

Total Volume: 15.373 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

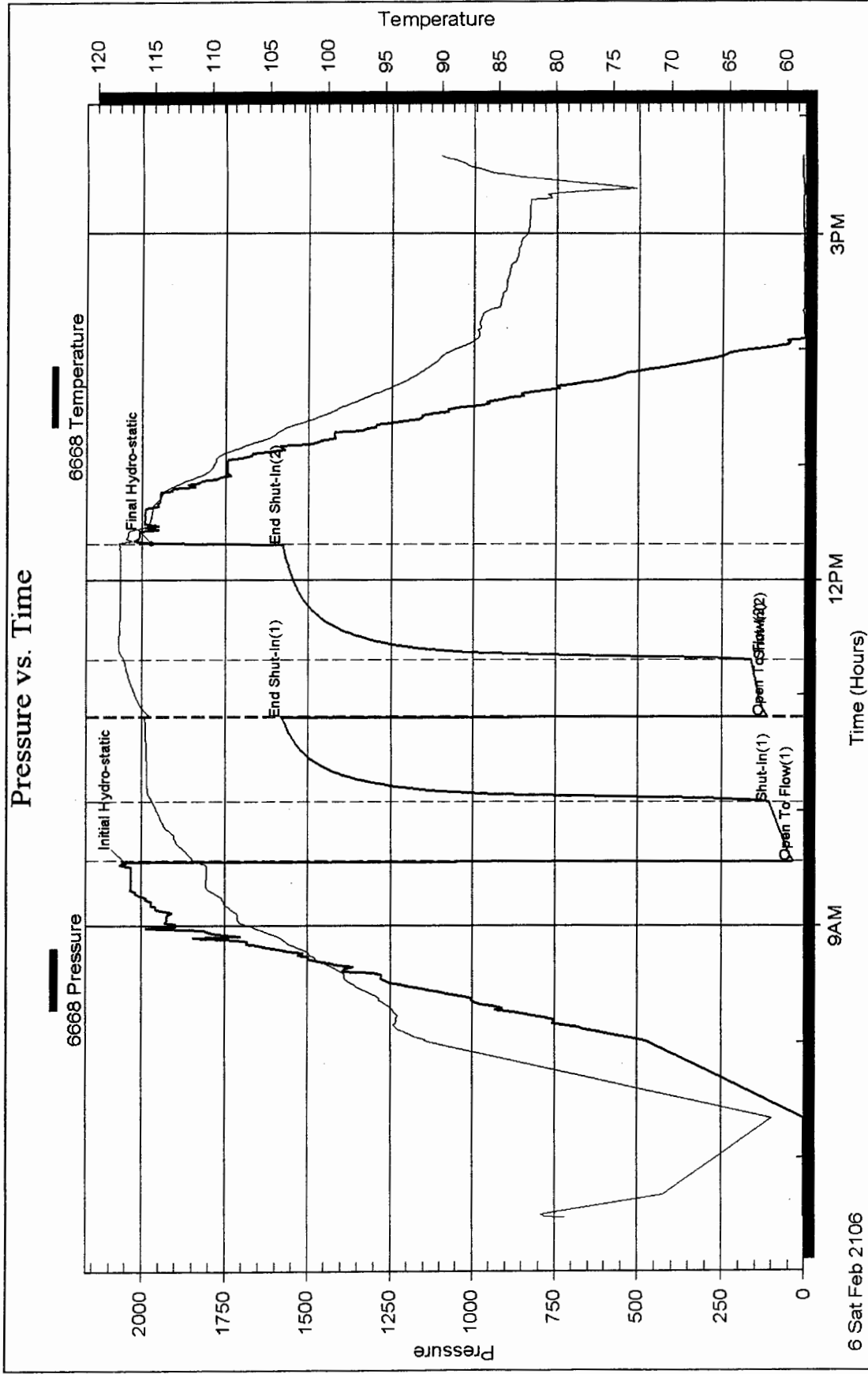
Serial #: 6668

Inside

Chieftain Oil Co Inc

3 32S 10W Barber KS

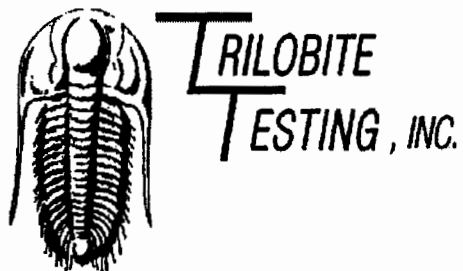
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 24939

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DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co Inc**

PO Box 124
Kiowa KS 67070

ATTN: Arden Ratzlaff

3 32S 10W Barber KS

Rowe #1

Start Date: 2006.09.10 @ 09:38:06

End Date: 2006.09.10 @ 18:06:06

Job Ticket #: 25429 DST #: 2

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chieftain Oil Co Inc

PO Box 124
Kiowa KS 67070

ATTN: Arden Ratzlaff

Rowe #1

3 32S 10W Barber KS

Job Ticket: 25429

DST#: 2

Test Start: 2006.09.10 @ 09:38:06

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:11:06

Time Test Ended: 18:06:06

Test Type: Conventional Bottom Hole

Tester: Gerald Adams

Unit No: 36

Interval: **4722.00 ft (KB) To 4740.00 ft (KB) (TVD)**

Total Depth: 4740.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1522.00 ft (KB)

1515.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6798 Inside

Press@RunDepth: 26.24 psig @ 4723.00 ft (KB)

Start Date: 2006.09.10

End Date:

2006.09.10

Start Time: 09:38:07

End Time:

18:06:06

Capacity: 7000.00 psig

Last Calib.: 2006.09.10

Time On Btm: 2006.09.10 @ 12:10:36

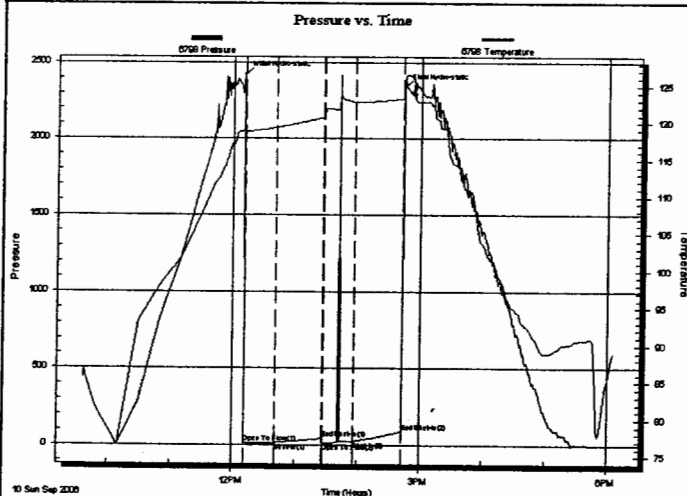
Time Off Btm: 2006.09.10 @ 14:43:36

TEST COMMENT: IF Weak surface blow Dead in 10 mins.

ISI No blow

FF No blow Flush tool after 10 mins. No blow

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2417.20	119.24	Initial Hydro-static
1	11.24	117.98	Open To Flow (1)
31	16.28	119.43	Shut-In (1)
75	45.40	120.76	End Shut-In (1)
76	12.88	121.28	Open To Flow (2)
106	26.24	122.92	Shut-In (2)
153	90.49	123.36	End Shut-In (2)
153	2337.82	125.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.05
0.00		0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co Inc

Rowe #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 25429

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2006.09.10 @ 09:38:06

Tool Information

Drill Pipe:	Length: 4457.00 ft	Diameter: 3.80 inches	Volume: 62.52 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: 268.00 ft	Diameter: 2.25 inches	Volume: 1.32 bbl	Weight to Pull Loose:	70000.00 lb		
			Total Volume:	63.84 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	54000.00 lb	Final	55000.00 lb
Depth to Top Packer:	4722.00 ft						
Depth to Bottom Packer:	ft						
Interval between Packers:	18.00 ft						
Tool Length:	41.00 ft						
Number of Packers:	2	Diameter:	6.75 inches				
Tool Comments:							

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4704.00	
Hydraulic tool	5.00			4709.00	
Safety Joint	3.00			4712.00	
Packer	5.00			4717.00	23.00 Bottom Of Top Packer
Packer	5.00			4722.00	
Stubb	1.00			4723.00	
Recorder	0.00	6798	Inside	4723.00	
Perforations	14.00			4737.00	
Recorder	0.00	14249	Outside	4737.00	
Bullnose	3.00			4740.00	18.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftain Oil Co Inc

Rowe #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 25429

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2006.09.10 @ 09:38:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm-m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	0.049
0.00		0.000

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

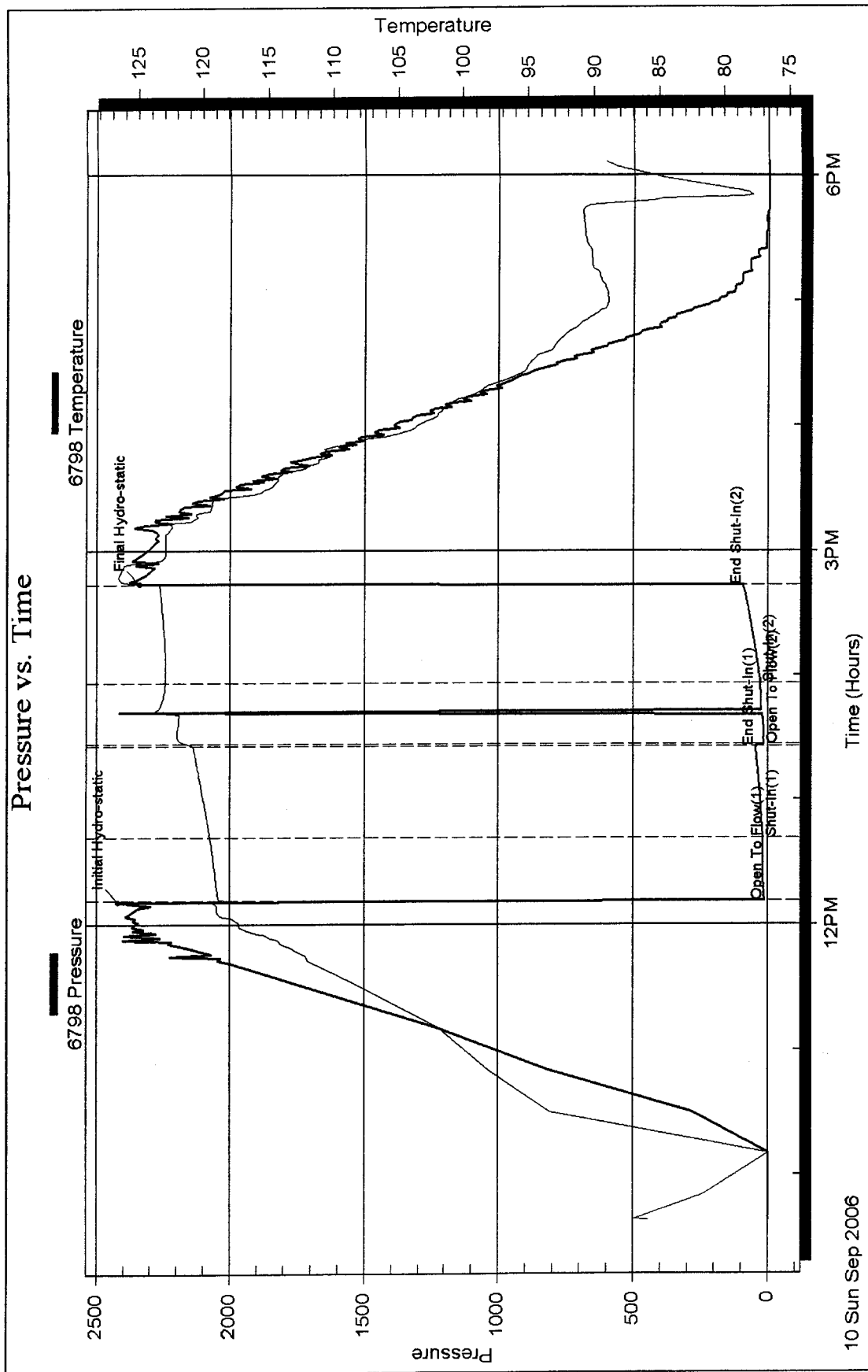
Num Gas Bombs: 0

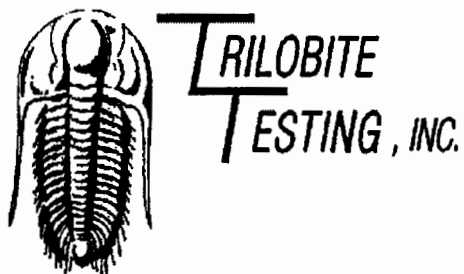
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co Inc**

PO Box 124
Kiowa KS 67070

ATTN: Arden Ratzlaff

3 32S 10W Barber KS

Rowe #1

Start Date: 2006.09.11 @ 04:01:31

End Date: 2006.09.11 @ 14:09:54

Job Ticket #: 25430 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Chieftain Oil Co Inc

Rowe #1

3 32S 10W Barber KS

DST # 3

Simpson

2006.09.11



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Chieftain Oil Co Inc

PO Box 124
Kiowa KS 67070

ATTN: Arden Ratzlaff

Rowe #1

3 32S 10W Barber KS

Job Ticket: 25430

DST#: 3

Test Start: 2006.09.11 @ 04:01:31

GENERAL INFORMATION:

Formation: **Simpson**

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

Time Tool Opened: 07:13:01

Time Test Ended: 14:09:54

Test Type: Conventional Bottom Hole

Tester: Gerald Adams

Unit No: 36

Interval: **4740.00 ft (KB) To 4748.00 ft (KB) (TVD)**

Total Depth: **4748.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **1522.00 ft (KB)**

1515.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **216.40 psig @ 4741.00 ft (KB)**

Start Date: **2006.09.11**

End Date:

2006.09.11

Capacity: **7000.00 psig**

Last Calib.: **2006.09.11**

Start Time: **04:01:32**

End Time:

14:09:53

Time On Btm: **2006.09.11 @ 07:12:31**

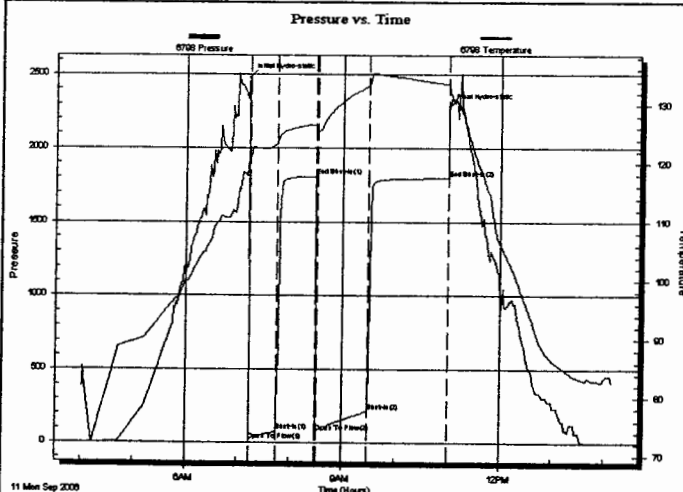
Time Off Btm: **2006.09.11 @ 11:00:01**

TEST COMMENT: IF Strong blow BOB in 3 mins. GTS in 25 mins. (see gas flow report)

ISI Weak blow Built to 1 1/2 " decreased to surface

FF Strong blow BOB in 10 secs. (caught gas sample)

FSI Strong blow BOB in 3 m



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2478.92	120.92	Initial Hydro-static
1	16.38	120.66	Open To Flow (1)
32	77.53	123.37	Shut-In (1)
76	1806.66	126.67	End Shut-In (1)
78	73.23	125.35	Open To Flow (2)
136	216.40	133.24	Shut-In (2)
227	1794.70	133.54	End Shut-In (2)
228	2280.58	133.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	HG&OCMW 50%g 30%o 5%w 15%m	0.30
373.00	HG&OCM 30%g 30%o 40%m	3.36
310.00	Clean Gassy Oil 3%G 97%O	4.35
0.00	3710' GIP	0.00
0.00	Gravity 43 API @ 95 deg. 39.5 API Cor	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	-
Last Gas Rate			
Max. Gas Rate	0.25	9.75	38.47



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co Inc

Rowe #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 25430

DST#: 3

ATTN: Arden Ratzlaff

Test Start: 2006.09.11 @ 04:01:31

Tool Information

Drill Pipe:	Length: 4455.00 ft	Diameter: 3.80 inches	Volume: 62.49 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: 268.00 ft	Diameter: 2.25 inches	Volume: 1.32 bbl	Weight to Pull Loose:	65000.00 lb		
			Total Volume:	63.81 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	56000.00 lb	Final	58000.00 lb
Depth to Top Packer:	4740.00 ft						
Depth to Bottom Packer:	ft						
Interval between Packers:	8.00 ft						
Tool Length:	31.00 ft						
Number of Packers:	2	Diameter:	6.75 inches				
Tool Comments:							

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4722.00		
Hydraulic tool	5.00			4727.00		
Safety Joint	3.00			4730.00		
Packer	5.00			4735.00	23.00 Bottom Of Top Packer	
Packer	5.00			4740.00		
Stubb	1.00			4741.00		
Recorder	0.00	6798	Inside	4741.00		
Perforations	4.00			4745.00		
Recorder	0.00	13249	Outside	4745.00		
Bullnose	3.00			4748.00	8.00 Bottom Packers & Anchor	
Total Tool Length:		31.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftain Oil Co Inc

Rowe #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 25430

DST#: 3

ATTN: Arden Ratzlaff

Test Start: 2006.09.11 @ 04:01:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	HG&OCMW 50%g 30%o 5%w 15%m	0.305
373.00	HG&OCM 30%g 30%o 40%m	3.356
310.00	Clean Gassy Oil 3%G 97%O	4.348
0.00	3710' GIP	0.000
0.00	Gravity 43 API @ 95 deg. 39.5 API Cor	0.000
0.00		0.000

Total Length: 745.00 ft

Total Volume: 8.009 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: GA-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Chieftain Oil Co Inc

Rowe #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 25430

DST#: 3

ATTN: Arden Ratzlaff

Test Start: 2006.09.11 @ 04:01:31

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
1	30	0.25	3.00	-1586396.77
2	10	0.25	8.50	36.49
2	20	0.25	9.00	37.28
2	30	0.25	9.75	38.47
2	40	0.25	8.75	36.88
2	50	0.25	6.50	33.31
2	60	0.25	4.50	30.14
0	-	-999999.00	-999999.00	-999999.00

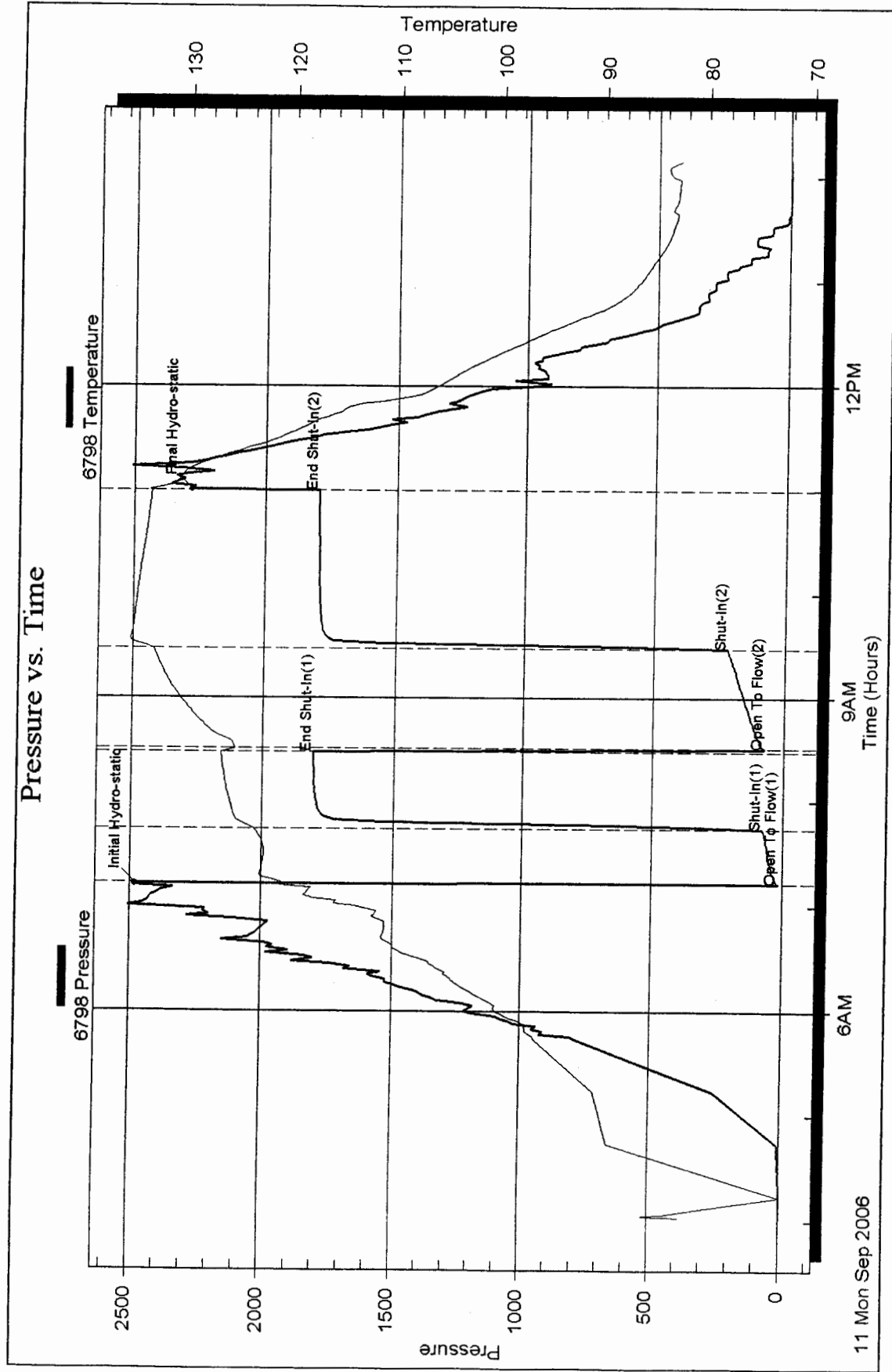
Serial #: 6798

Inside

Chieftain Oil Co Inc

3 32S 10W Barber KS

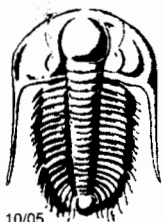
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 25430

Printed: 2006.09.14 @ 09:31:46 Page 6



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9248

24939

Test Ticket

Well Name & No. <u>Rowe #1</u>	Test No. <u>#1</u>	Date <u>9/07/06</u>
Company <u>Chieftain Oil Co., Inc.</u>	Zone Tested <u>Swope</u>	
Address <u>P.O. Box 124 Kiowa, KS, 67070</u>	Elevation <u>1522</u> KB <u>1515</u> GL	
Co. Rep / Geo. <u>Arden Ratzlaff</u>	Rig <u>D & B Drilling #1</u>	
Location: Sec. <u>3</u> Twp. <u>32s.</u> Rge. <u>10w.</u> Co. <u>Barber</u> State <u>Ks.</u>		
Comment: _____	Release date / time: _____	

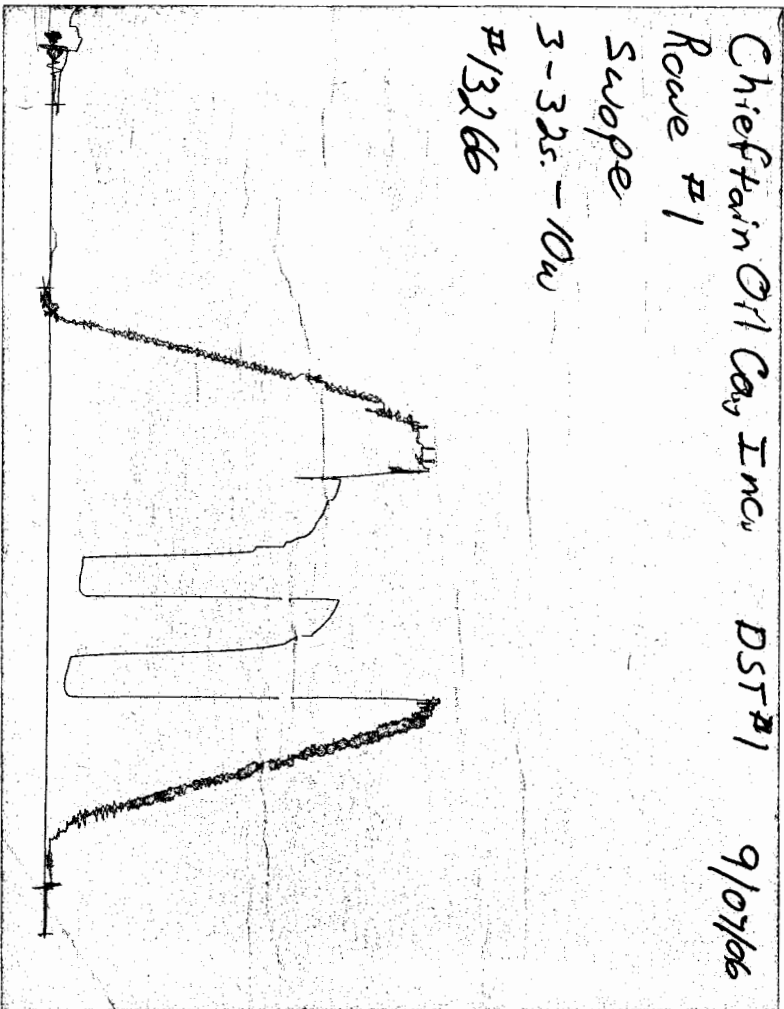
Interval Tested <u>4098 - 4124</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt./Lbs. <u>50,000</u>
Anchor Length <u>26</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>56,000</u>
Top Packer Depth <u>4093</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4098</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>4124</u>	Wt. Pipe Run <u>0</u>	Drill-Collar Run <u>268</u>
Mud Wt. <u>9.4</u> LCM <u>3"</u> Vis. <u>43</u> WL <u>11.2</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3813</u>
Blow Description <u>IF: Strong blow. B.O.B. in 90 secs.</u>		
<u>ISI: Weak blow back. Surface blow.</u>		
<u>FF: Fair blow. Built to 7" in bucket.</u>		
<u>FSI: No blow.</u>		

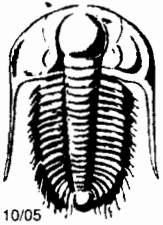
Recovery - Total Feet <u>310'</u>	GIP <u>960'</u>	Ft. in DC _____	Ft. in DP _____
Rec. <u>130</u>	Feet of <u>G & OCM</u>	1 %gas <u>29</u> %oil _____	0 %water <u>70</u> %mud _____
Rec. <u>180</u>	Feet of <u>GCMW</u>	1 %gas <u>TRC</u> %oil _____	65 %water <u>34</u> %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>118</u>	*F Gravity <u>N/C.</u>	*API D @ _____	*F Corrected Gravity _____
RW <u>.04</u> @ <u>80</u>	*F Chlorides _____ ppm	Recovery <u>220,000</u>	Chlorides <u>5,000</u> ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2065</u> PSI	Recorder No. <u>6668</u>	Test <u>✓</u> <u>1200</u>
(B) First Initial Flow Pressure	<u>34</u> PSI	(depth) <u>4099</u>	Jars _____
(C) First Final Flow Pressure	<u>106</u> PSI	Recorder No. <u>13266</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1578</u> PSI	(depth) <u>4121</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>116</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>162</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1577</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2025</u> PSI	Initial Shut-In <u>45</u>	Shale 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.		Final Flow <u>30</u>	Ruined Packer _____
		Final Shut-In <u>60</u>	Mileage <u>84</u> ✓ <u>105</u>
		T-On Location <u>23:00</u>	Sub Total: _____
		T-Started <u>02:19</u>	Std. By <u>3.25</u> <u>325</u>
		T-Open <u>05:25</u>	Acc. Chg: _____
		T-Pulled <u>08:10</u>	Other: _____
		T-Out <u>11:20</u>	Total: <u>\$1705</u>
Approved By <u>Arden Ratzlaff</u>			
Our Representative <u>Les A. Adams Jr.</u>			

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25429

Test Ticket

Well Name & No. Rowe*2 Test No. 2 Date 9-10-06
 Company Chieftain Oil Co., Inc Zone Tested Simpson
 Address P.O. Box 124 Kiowa, Kansas 67070 Elevation 1522 KB 1515 GL
 Co. Rep / Geo. Arden Ratzlaff Rig D+B Drlg. #1
 Location: Sec. 3 Twp. 33s Rge. 10W Co. Barber State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 4722-4740 Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 55,000
 Anchor Length 18 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 4717 Tool Weight 2,100
 Bottom Packer Depth 4722 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4740 Wt. Pipe Run 0 Drill Collar Run 268
 Mud Wt. 9.5 LCM 0 Vis. 50 WL 11.2 Drill Pipe Size 4 1/2" FH Ft. Run 4457
 Blow Description FF: Weak surface blow. Dead in 10 mins.

ISI: No blow.

FF: No blow. Flush tool after 10 mins. No blow

FSI: No blow.

Recovery - Total Feet 10 GIP 0 Ft. in DC 10 Ft. in DP 0
 Rec. 10 Feet of Drlg. mud %gas %oil %water 100 %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 123 °F Gravity N/C °API D @ _____ °F Corrected Gravity _____ °API
 RW N/C @ _____ °F Chlorides 5,000 ppm Recovery _____ Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2417	PSI	Recorder No.	6798	Test	✓	1200
(B) First Initial Flow Pressure			11	PSI	(depth)	4723	Jars		
(C) First Final Flow Pressure			16	PSI	Recorder No.	13249	Safety Jt.	✓	75
(D) Initial Shut-In Pressure			45	PSI	(depth)	4737	Circ Sub		
(E) Second Initial Flow Pressure			13	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			26	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			90	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			2385	PSI	Initial Shut-In	45	Shale Packer		

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Approved By Arden Ratzlaff
 Our Representative Gerald Adams

Thank
You
T-Started
T-Open
T-Pulled
T-Out

Final Flow 30
 Final Shut-In 45
 T-On Location 0830
 T-Started 0938
 T-Open 1211
 T-Pulled 1444
 T-Out 1806
 Mileage ✓ 84 105
 Sub Total:
 Std. By 1/2 50
 Acc. Chg:
 Other:
 Total: \$1430

CHART PAGE

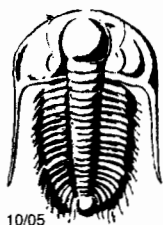
This is a photocopy of the actual AK-1 recorder chart.

Chilbert Oil Co. Inc.

Rec # 2

DST # 25:mpson

13349



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25430

Test Ticket

Well Name & No. Rowe# 2 Test No. 3 Date 9-11-06
 Company Chieftain Oil Co., Inc. Zone Tested Simpson
 Address P.O. Box 124 Kiowa, Kansas 67070 Elevation 1522 KB 1515 GL
 Co. Rep / Geo. Arden Ratzlaff Rig D+B Rig# 1
 Location: Sec. 3 Twp. 33S Rge. 10W Co. Barber State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 4740-4748 Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 58,000
 Anchor Length 8 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 4735 Tool Weight 2,000
 Bottom Packer Depth 4740 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4748 Wt. Pipe Run 0 Drill Collar Run 268
 Mud Wt. 9.5 LCM 0 Vis. 53 WL 11.2 Drill Pipe Size 4 1/2" FH Ft. Run 4455

Blow Description TF: Strong blow. B.O.B. in 3 mins. GTS in 25 mins (see gas flow report)
TSI: Weak blow. Built to 1 1/2", decreased to surface.
FF: Strong blow. B.O.B. in 10 secs. (caught gas sample)
FSI: Strong blow. B.O.B. in 3 mins after 15 min. bleed off.

Recovery - Total Feet 745 GIP 3710 Ft. in DC 268 Ft. in DP 477
 Rec. 310 Feet of Clean Gassy Oil 3 %gas 97 %oil %water %mud
 Rec. 373 Feet of HG+OCm 30 %gas 30 %oil %water 40 %mud
 Rec. 62 Feet of HG+OCmw 50 %gas 30 %oil 5 %water 15 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 133 °F Gravity 43 °API D @ 95 °F Corrected Gravity 39.5 °API
 RW N/C @ _____ °F Chlorides 5,000 ppm Recovery _____ Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	<u>2493</u> PSI	Recorder No.	<u>6798</u>	Test <u>✓</u>	<u>1200</u>
(B) First Initial Flow Pressure	<u>16</u> PSI	(depth)	<u>4741</u>	Jars	
(C) First Final Flow Pressure	<u>78</u> PSI	Recorder No.	<u>13249</u>	Safety Jt. <u>✓</u>	<u>75</u>
(D) Initial Shut-In Pressure	<u>1807</u> PSI	(depth)	<u>4745</u>	Circ Sub	
(E) Second Initial Flow Pressure	<u>73</u> PSI	Recorder No.	<u> </u>	Sampler	
(F) Second Final Flow Pressure	<u>216</u> PSI	(depth)	<u> </u>	Straddle	
(G) Final Shut-In Pressure	<u>1795</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>2396</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer	
		Final Flow	<u>60</u>	Ruined Packer	
		Final Shut-In	<u>90</u>	Mileage <u>✓ 84</u>	<u>105</u>
		T-On Location	<u>0330</u>	Sub Total:	
		T-Started	<u>0401</u>	Std. By <u>1.5</u>	<u>150</u>
		T-Open	<u>0713</u>	Acc. Chg:	
		T-Pulled	<u>1102</u>	Other:	
		T-Out	<u>1409</u>	Total:	<u>\$1530</u>

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Approved By _____
 Our Representative Gerald Adams

Thank You.



GAS VOLUME REPORT

OPERATOR

Rowe #2

WELL NAME AND NO.

3

DST NO.

Remarks:

CHART PAGE

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

Chieftrain Oil Co., Inc.

Row # 2

DST # 3 Simpson

13249

