

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Company, Inc**

P.O.Box 124
Kiowa, KS 67070

ATTN: Arden Ratzlaff

33-34s-10w Barber KS

Wes # 1

Start Date: 2010.04.16 @ 07:03:26

End Date: 2010.04.16 @ 19:36:56

Job Ticket #: 36859 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Printed: 2010.04.29 @ 19:54:02 Page 1

ORIGINAL

Chieftain Oil Company, Inc

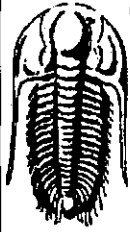
Wes # 1

33-34s-10w Barber KS

DST # 1

Simpson

2010.04.16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chieftain Oil Company, Inc

Wes # 1

P.O.Box 124
Kiowa, KS 67070

33-34s-10w Barber KS

Job Ticket: 36859

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2010.04.16 @ 07:03:26

GENERAL INFORMATION:

Formation: **Simpson**

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

Time Tool Opened: 10:51:56

Time Test Ended: 19:36:56

Test Type: **Conventional Straddle**

Tester: **Jerry Adams**

Unit No: **45**

Interval: **5256.00 ft (KB) To 5330.00 ft (KB) (TVD)**

Total Depth: **5416.00 ft (KB) (TVD)**

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

Reference Elevations: **1309.00 ft (KB)**

1300.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **497.77 psig @ 5261.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.04.16**

End Date:

2010.04.16

Last Calib.:

2010.04.16

Start Time: **07:03:27**

End Time:

19:36:56

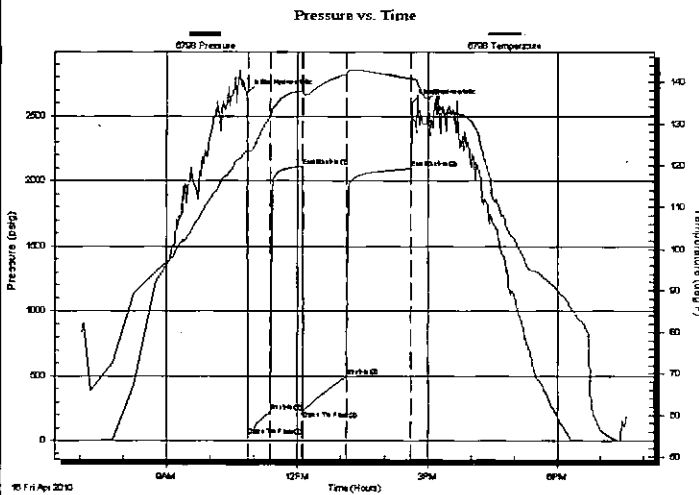
Time On Btm:

2010.04.16 @ 10:50:26

Time Off Btm:

2010.04.16 @ 14:37:56

TEST COMMENT: IF:Fair blow . B.O.B. in 9 mins.
IS:Weak 1/4" blow .
FF:Fair blow . B.O.B. in 12 mins.
FS:Weak 1/4" blow . Dead in 39 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2676.25	123.72	Initial Hydro-static
2	37.19	123.43	Open To Flow (1)
33	227.83	131.81	Shut-In(1)
76	2117.01	137.88	End Shut-In(1)
77	231.42	137.25	Open To Flow (2)
138	497.77	141.87	Shut-In(2)
226	2096.95	140.94	End Shut-In(2)
228	2602.08	140.86	Final Hydro-static

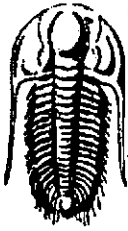
Recovery

Length (ft)	Description	Volume (bbl)
130.00	Drilling Mud 100% m	1.82
248.00	HWCM 40% w 60% m	3.48
472.00	SMCW 90% w 10% m	6.62
0.00	RW = .10 @ 72 deg.	0.00

Gas Rates

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

ORIGINAL



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Company, Inc

Wes # 1

P.O.Box 124
Kiowa, KS 67070

33-34s-10w Barber KS

Job Ticket: 36859

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2010.04.16 @ 07:03:26

Tool Information

Drill Pipe:	Length: 5260.00 ft	Diameter: 3.80 inches	Volume: 73.78 bbl	Tool Weight: 2300.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 73.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5256.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	5330.00 ft			
Interval between Packers:	74.00 ft			
Tool Length:	181.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5238.00	
Hydraulic tool	5.00			5243.00	
Safety Joint	3.00			5246.00	
Packer	5.00			5251.00	23.00 Bottom Of Top Packer
Packer	5.00			5256.00	
Stubb	1.00			5257.00	
Perforations	3.00			5260.00	
Change Over Sub	1.00			5261.00	
Recorder	0.00	6798	Inside	5261.00	
Recorder	0.00	8649	Outside	5261.00	
Blank Spacing	62.00			5323.00	
Change Over Sub	1.00			5324.00	
Perforations	5.00			5329.00	
Blank Off Sub	1.00			5330.00	74.00 Tool Interval
Packer	0.00			5330.00	
Perforations	17.00			5347.00	
Change Over Sub	1.00			5348.00	
Recorder	0.00	8367	Inside	5348.00	
Blank Spacing	62.00			5410.00	
Change Over Sub	1.00			5411.00	
Bullnose	3.00			5414.00	84.00 Bottom Packers & Anchor

Total Tool Length: 181.00



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FLUID SUMMARY

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Wes # 1

P.O.Box 124
Kiowa, KS 67070

33-34s-10w Barber KS

Job Ticket: 36859

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2010.04.16 @ 07:03:26

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 76.00 sec/qt

Water Loss: 10.57 in³

Resistivity: 0.00 ohm.m

Salinity: 8500.00 ppm

Filter Cake: 0.21 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 76000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Drilling Mud 100%m	1.824
248.00	HWCM 40%w 60%m	3.479
472.00	SMCW 90%w 10%m	6.621
0.00	RW = .10 @ 72 deg.	0.000

Total Length: 850.00 ft Total Volume: 11.924 bbl

Num Fluid Samples: 0

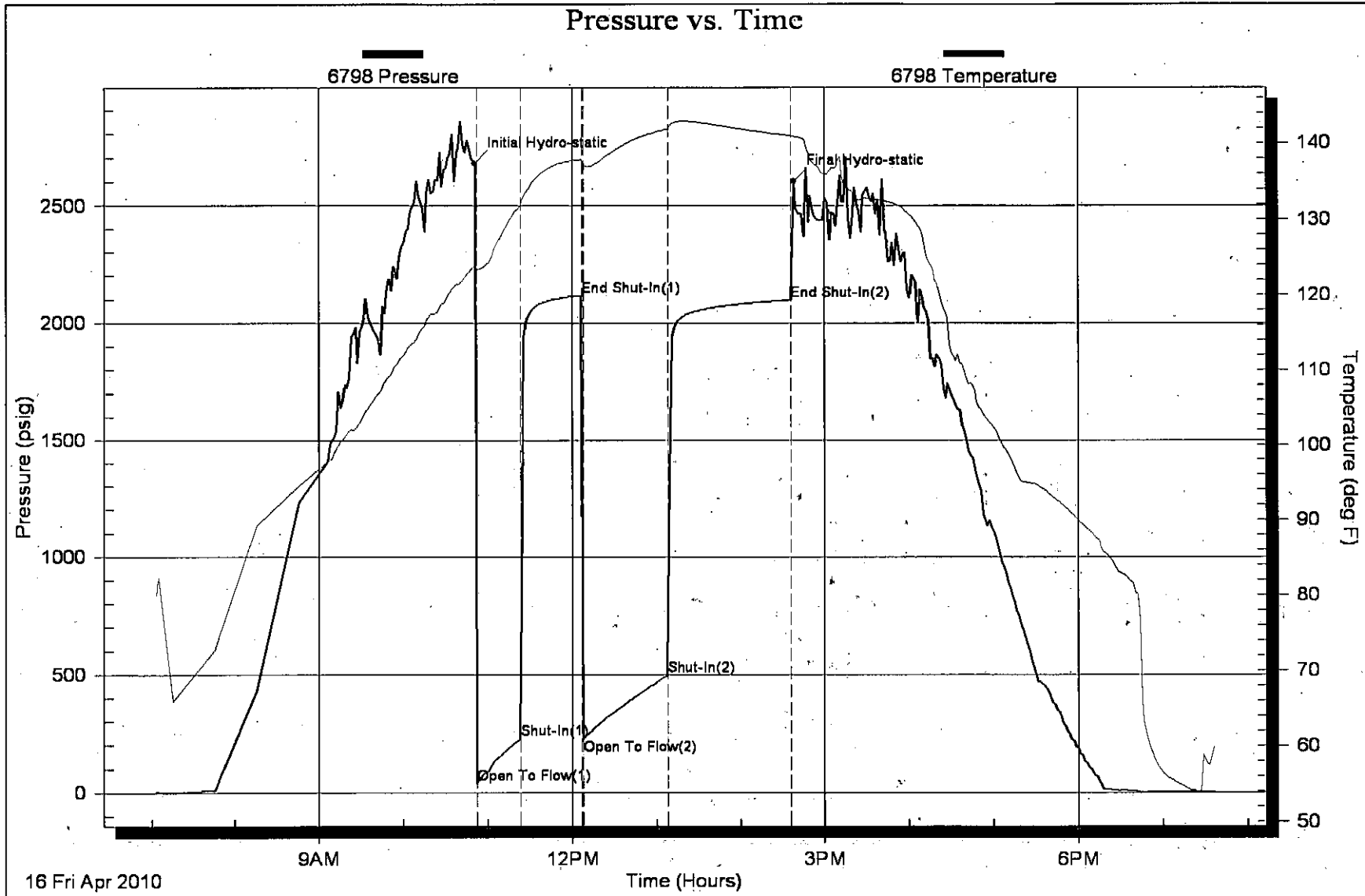
Num Gas Bombs: 0

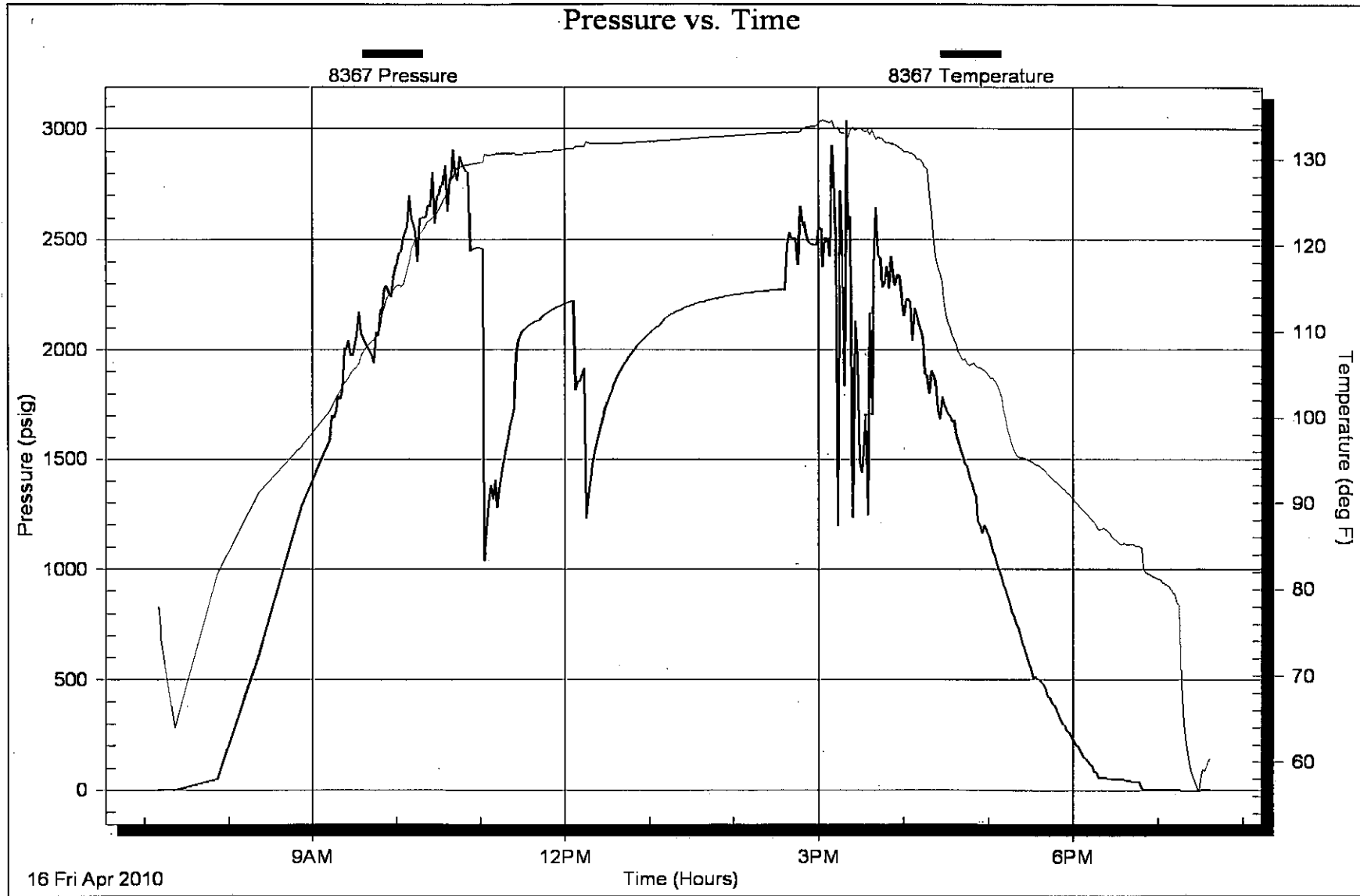
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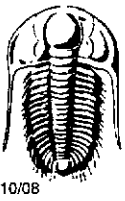
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 20 2010

Test Ticket

NO. 36859

Well Name & No. Wes #1 Test No. 1 Date 4-16-10
 Company Chieftain Oil Company, Inc Elevation 1309 KB 1300 GL
 Address P.O. Box 124 Kiowa, Kansas 67070
 Co. Rep / Geo. Arden Ratzlaff Rig Maverick #106
 Location: Sec. 33 Twp. 34s Rge. 10w Co. Barber State KS.

Interval Tested 5256-5330 Zone Tested Simpson Sand
 Anchor Length 74' Drill Pipe Run 5260' Mud Wt. 9.2
 Top Packer Depth 5251 Drill Collars Run 0 Vis 76
 Bottom Packer Depth 5256+5330 Wt. Pipe Run 0 WL 10.6
 Total Depth 5416 Chlorides 8,500 ppm System LCM 4#
 Blow Description IF: Fair blow. B.O.B. in 9 mins.
IST: Weak 1/4" blow.
FF: Fair blow. B.O.B. in 12 mins.
FST: Weak 1/4" blow. Dead in 39 mins.

Rec	Feet of	%gas	%oil	%water	%mud
130	Drilling Mud			100	
248	HWCM		40	60	
472	SMCW		90	10	

Rec Total 850 BHT 140 Gravity N/A API RW .10 @ 72 ° F Chlorides 76,000 ppm

(A) Initial Hydrostatic <u>2676</u>	<input checked="" type="checkbox"/> Test <u>1325</u>	T-On Location <u>0615</u>
(B) First Initial Flow <u>37</u>	<input type="checkbox"/> Jars	T-Started <u>0703</u>
(C) First Final Flow <u>228</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1051</u>
(D) Initial Shut-In <u>2117</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1435</u>
(E) Second Initial Flow <u>231</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1936</u>
(F) Second Final Flow <u>498</u>	<input checked="" type="checkbox"/> Mileage <u>121 R.T. 15²⁵</u>	Comments
(G) Final Shut-In <u>2097</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2602</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Ruined Packer <u>260</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>260</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	Total <u>241²⁵</u>
	Sub Total <u>2181²⁵</u>	

Approved By Arden Ratzlaff Our Representative Jerry Adams
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Thank You