

DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co Inc**

PO Box 124
Kiowa, KS 67070

ATTN: Arden Ratzlaff

Leysa SWD #1

2-35s-11w Barber,KS

Start Date: 2011.11.01 @ 14:34:15

End Date: 2011.11.01 @ 21:53:12

Job Ticket #: 44030 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.11 @ 09:33:23

Chieftain Oil Co Inc
2-35s-11w Barber,KS
Leysa SWD #1
DST # 1
Simpson
2011.11.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Chieftain Oil Co Inc

2-35s-11w Barber, KS

PO Box 124
Kiowa, KS 67070

Leysa SWD #1

Job Ticket: 44030

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2011.11.01 @ 14:34:15

GENERAL INFORMATION:

Formation: **Simpson**

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

Time Tool Opened: 16:43:15

Time Test Ended: 21:53:12

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Leal Cason**

Unit No: **45**

Interval: **5406.00 ft (KB) To 5420.00 ft (KB) (TVD)**

Total Depth: **5420.00 ft (KB) (TVD)**

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

Reference Elevations: **1354.00 ft (KB)**

1344.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: **6798**

Inside

Press@RunDepth: **34.90 psig @ 5407.00 ft (KB)**

Start Date: **2011.11.01**

End Date:

2011.11.01

Capacity: **8000.00 psig**

Last Calib.: **2011.11.01**

Start Time: **14:34:16**

End Time:

21:53:11

Time On Btm: **2011.11.01 @ 16:32:15**

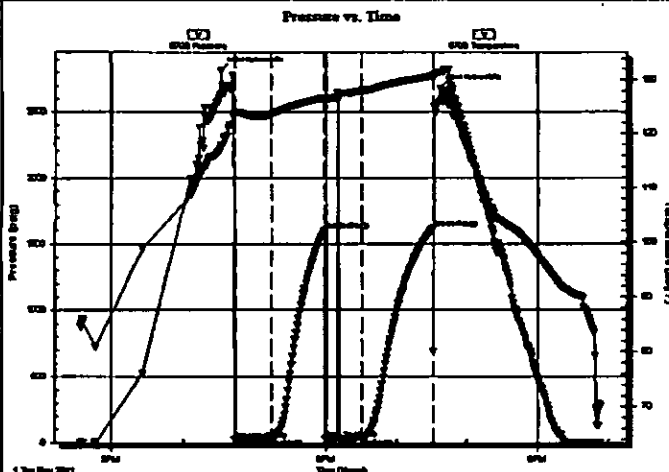
Time Off Btm: **2011.11.01 @ 19:37:15**

TEST COMMENT: IF: Weak Surface Blow, Dead @ 12 minutes

IS: No Blow

FF: No Blow, Flushed Tool, No Blow

FS: No Blow



PRESSURE SUMMARY

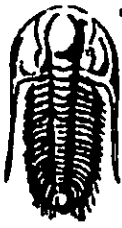
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2816.99	117.72	Initial Hydro-static
11	28.32	123.67	Open To Flow (1)
43	32.90	123.61	Shut-In(1)
87	1600.22	126.67	End Shut-In(1)
87	33.14	126.24	Open To Flow (2)
98	44.81	126.86	--Flushed Tool
118	34.90	127.88	Shut-In(2)
179	1615.37	130.62	End Shut-In(2)
185	2680.62	131.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD	0.02

Gas Rates

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



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TOOL DIAGRAM

Chieftain Oil Co Inc

2-35s-11w Barber,KS

PO Box 124
Klowa, KS 67070

Leysa SWD #1

Job Ticket: 44030

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2011.11.01 @ 14:34:15

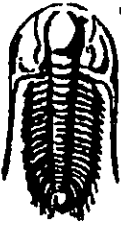
Tool Information

Drill Pipe:	Length: 5291.00 ft	Diameter: 3.80 Inches	Volume: 74.22 bbl	Tool Weight: 2100.00 lb
Heavy Wl. Pipe:	Length: 0.00 ft	Diameter: 0.00 Inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 Inches	Volume: 0.59 bbl	Weight to Pull Loose: 130000.0 lb
		Total Volume: 74.81 bbl		Tool Chased ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5406.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	36.00 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			5389.00	
Hydraulic tool	5.00			5394.00	
Safety Joint	2.00			5396.00	
Packer	5.00			5401.00	22.00 Bottom Of Top Packer
Packer	5.00			5406.00	
Stubb	1.00			5407.00	
Recorder	0.00	6798	Inside	5407.00	
Recorder	0.00	8387	Outside	5407.00	
Perforations	10.00			5417.00	
Bullnose	3.00			5420.00	14.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



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FLUID SUMMARY

Chieftain Oil Co Inc

2-35s-11w Barber,KS

PO Box 124
Kowa, KS 67070

Leysa SWD #1

Job Ticket: 44030

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2011.11.01 @ 14:34:15

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: 78.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.99 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MUD	0.025

Total Length: 5.00ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

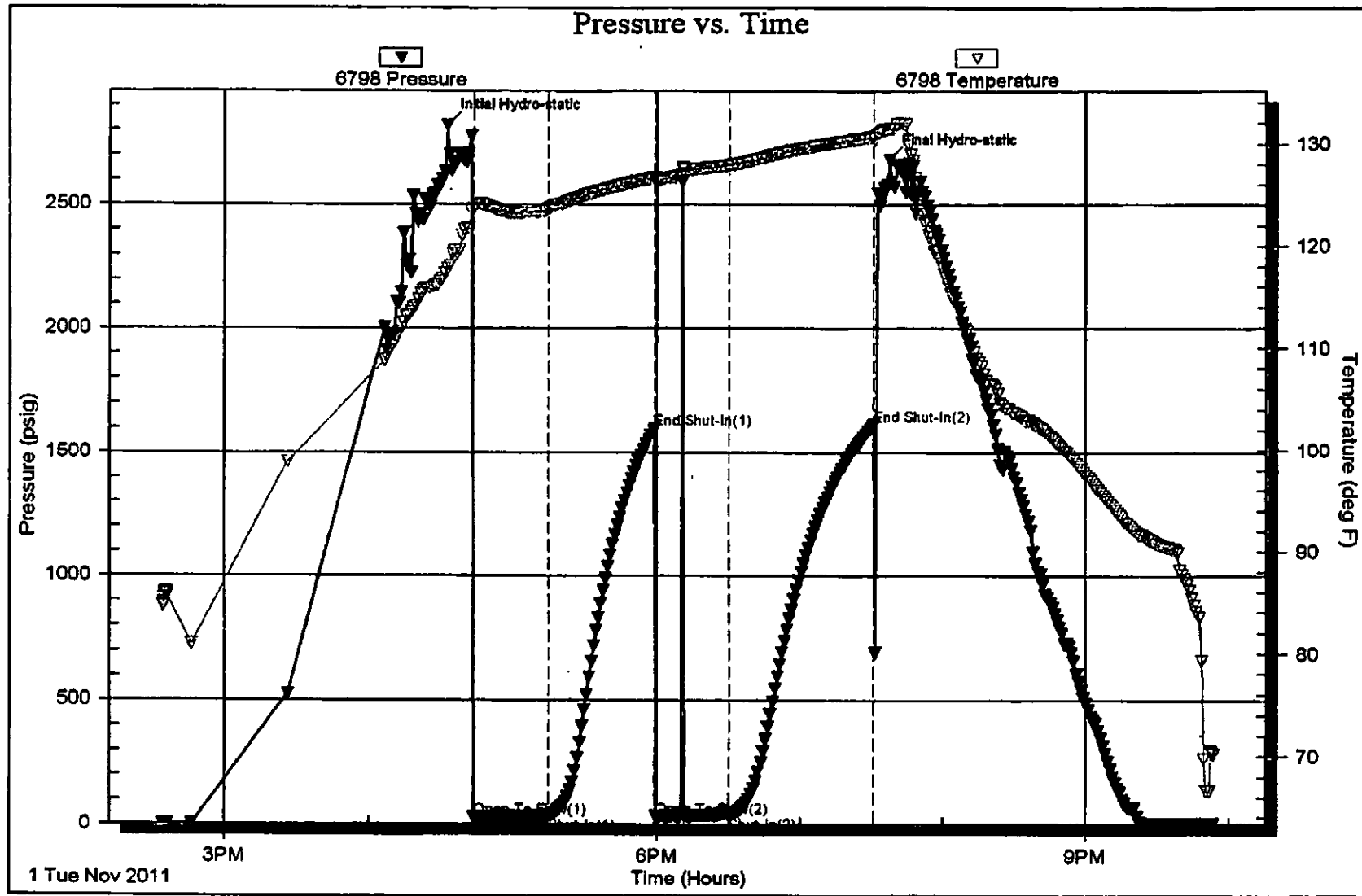
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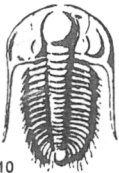
Serial #: 6798

Inside Chieftain Oil Co Inc

Leysa SWD#1

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
NOV 04 2011

Test Ticket

NO.

44030 Re 578

4/10

Well Name & No. Laysa SWD 1 Test No. 1 Date 11/01/11
 Company Chieftain Oil Co Inc Elevation 1354 KB 1344 GL
 Address PO Box 124 Kiowa, KS 67070
 Co. Rep / Geo. Arden Ratzlaff Rig Hardt Rig 1
 Location: Sec. 2 Twp. 35S Rge. 11W Co. Barber State KS

Interval Tested 5406 - 5420 Zone Tested Simpson
 Anchor Length 14 Drill Pipe Run 5291 Mud Wt. 9.3
 Top Packer Depth 5401 Drill Collars Run 119 Vis 78
 Bottom Packer Depth 5406 Wt. Pipe Run 0 WL 9.0
 Total Depth 5420 Chlorides 3600 ppm System LCM 7#

Blow Description IF: Weak surface blow, Dead @ 12 minutes
IST: NO Blow
FF: NO Blow, Flushed Tool, NO Blow
FST: NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				

Rec Total 5 BHT 130° Gravity N/C API RW N/C @ N/C Chlorides N/C ppm
 (A) Initial Hydrostatic 2817 Test 1325' T-On Location 14:00
 (B) First Initial Flow 28 Jars NO Jars T-Started 14:34
 (C) First Final Flow 33 Safety Joint 75' T-Open 16:43
 (D) Initial Shut-In 1600 Circ Sub _____ T-Pulled 19:30
 (E) Second Initial Flow 33 Hourly Standby _____ T-Out 21:53
 (F) Second Final Flow 35 Mileage (1209) 108' Comments _____
 (G) Final Shut-In 1615 Sampler _____
 (H) Final Hydrostatic 2681 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total Ø
 Day Standby _____ Total 1568'
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1568'

Approved By Arden Ratzlaff Our Representative [Signature]

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