

TRILOBITE
TESTING, INC.

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



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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)**

Reference Elevations: 1354.00 ft (KB)

Total Depth: 5420.00 ft (KB) (TVD)

1344.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

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

Capacity: 8000.00 psig

Start Date: 2011.11.01

End Date: 2011.11.01

Last Calib.: 2011.11.01

Start Time: 14:34:16

End Time: 21:53:11

Time On Btmr: 2011.11.01 @ 16:32:15

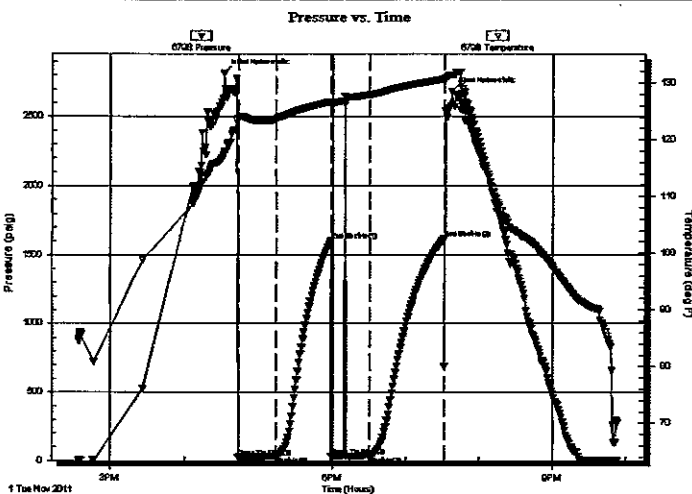
Time Off Btmr: 2011.11.01 @ 19:37:15

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

IS: No Blow

FF: No Blow, Flushed Tool, No Blow

FSI: No Blow



PRESSURE SUMMARY

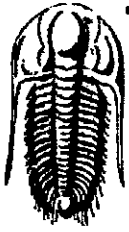
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2816.99	117.72	Initial Hydro-static
11	28.32	123.67	Open To Flow (1)
43	32.90	123.61	Shut-In(1)
87	1600.22	126.67	End Shut-In(1)
87	33.14	126.24	Open To Flow (2)
98	44.81	126.86	--Flushed Tool
118	34.90	127.88	Shut-In(2)
179	1615.37	130.62	End Shut-In(2)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



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TOOL DIAGRAM

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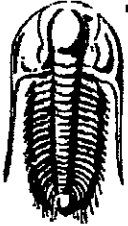
Test Start: 2011.11.01 @ 14:34:15

Tool Information

Drill Pipe:	Length: 5291.00 ft	Diameter: 3.80 inches	Volume: 74.22 bbl	Tool Weight: 2100.00 lb
Heavy Wt. 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
			<u>Total Volume: 74.81 bbl</u>	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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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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	8367	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

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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:

bbbl

Water Loss: 8.99 in³

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: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

