

DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co Inc**

PO Box 124
Kiowa KS 67070

ATTN: Arden Ratzlaff

6 34 10 Barber KS

Shirley # 1

Start Date: 2007.07.17 @ 20:41:21

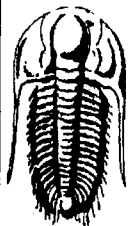
End Date: 2007.07.18 @ 06:03:21

Job Ticket #: 26987 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

Shirley # 1

6 34 10 Barber KS

Job Ticket: 26987

DST#: 1

Test Start: 2007.07.17 @ 20:41:21

GENERAL INFORMATION:

Formation: **Simpson**

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

Time Tool Opened: 22:46:51

Time Test Ended: 06:03:21

Test Type: **Conventional Bottom Hole**

Tester: **Jerry Adams**

Unit No: **36**

Interval: **5084.00 ft (KB) To 5118.00 ft (KB) (TVD)**

Total Depth: **5118.00 ft (KB) (TVD)**

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

Reference Elevations: **1450.00 ft (KB)**

1443.00 ft (CF)

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

Serial #: 6798 **Inside**

Press@RunDepth: **1328.50 psig @ 5085.00 ft (KB)**

Start Date: **2007.07.17**

End Date: **2007.07.18**

Start Time: **20:41:26**

End Time: **06:03:21**

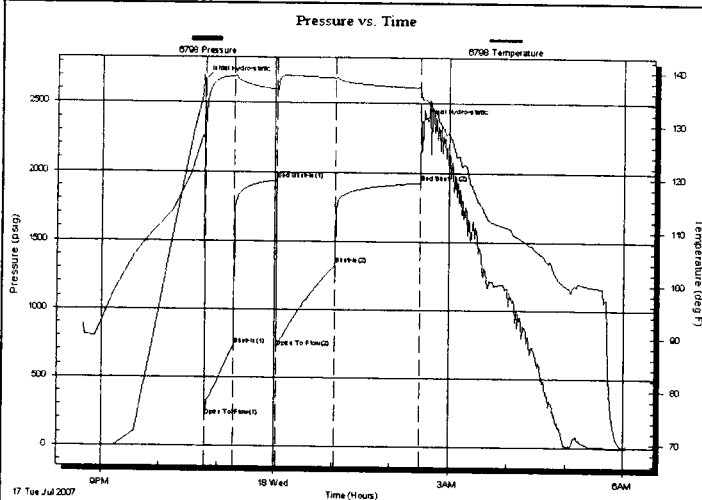
Capacity: **7000.00 psig**

Last Calib.: **2007.07.18**

Time On Btm: **2007.07.17 @ 22:45:51**

Time Off Btm: **2007.07.18 @ 02:31:50**

TEST COMMENT: IF Strong blow BOB in 3 mins.
ISI Fair blow Built to 6 "
FF Strong blow BOB in 3 mins.
FSI Weak blow Built to 1/4 " Dead in 62 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2662.28	127.39	Initial Hydro-static
1	213.06	128.74	Open To Flow (1)
31	732.80	139.08	Shut-In (1)
76	1938.69	136.64	End Shut-In (1)
76	714.13	136.19	Open To Flow (2)
137	1328.50	138.79	Shut-In (2)
225	1923.35	137.04	End Shut-In (2)
226	2362.38	135.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	SWCMw/Oil specks 10%W 90%M	0.61
2582.00	SMCW 95%W 5%M	34.93
0.00	RW= .066 @ 74.5 deg. 98000 ppm	0.00
0.00		0.00

Gas Rates

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

Chieftain Oil Co Inc

Shirley # 1

PO Box 124
Kiowa KS 67070

6 34 10 Barber KS

Job Ticket: 26987

DST#: 1

ATTN: Arden Ratzlaff

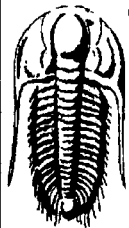
Test Start: 2007.07.17 @ 20:41:21

Tool Information

Drill Pipe:	Length: 4801.00 ft	Diameter: 3.80 inches	Volume: 67.35 bbl	Tool Weight: 2200.00 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: 266.00 ft	Diameter: 2.25 inches	Volume: 1.31 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 68.66 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	5084.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5066.00	
Hydraulic tool	5.00			5071.00	
Safety Joint	3.00			5074.00	
Packer	5.00			5079.00	23.00 Bottom Of Top Packer
Packer	5.00			5084.00	
Stubb	1.00			5085.00	
Recorder	0.00	6798	Inside	5085.00	
Perforations	30.00			5115.00	
Recorder	0.00	13249	Outside	5115.00	
Bullnose	3.00			5118.00	34.00 Bottom Packers & Anchor
Total Tool Length:		57.00			



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FLUID SUMMARY

Chieftain Oil Co Inc

Shirley # 1

PO Box 124
Kiowa KS 67070

6 34 10 Barber KS

Job Ticket: 26987

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2007.07.17 @ 20:41:21

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 9.58 in³

Resistivity: 0.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	SWCMw /Oil specks 10%W 90%M	0.610
2582.00	SMCW 95%W 5%M	34.925
0.00	RW= .066 @ 74.5 deg. 98000 ppm	0.000
0.00		0.000

Total Length: 2706.00 ft

Total Volume: 35.535 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

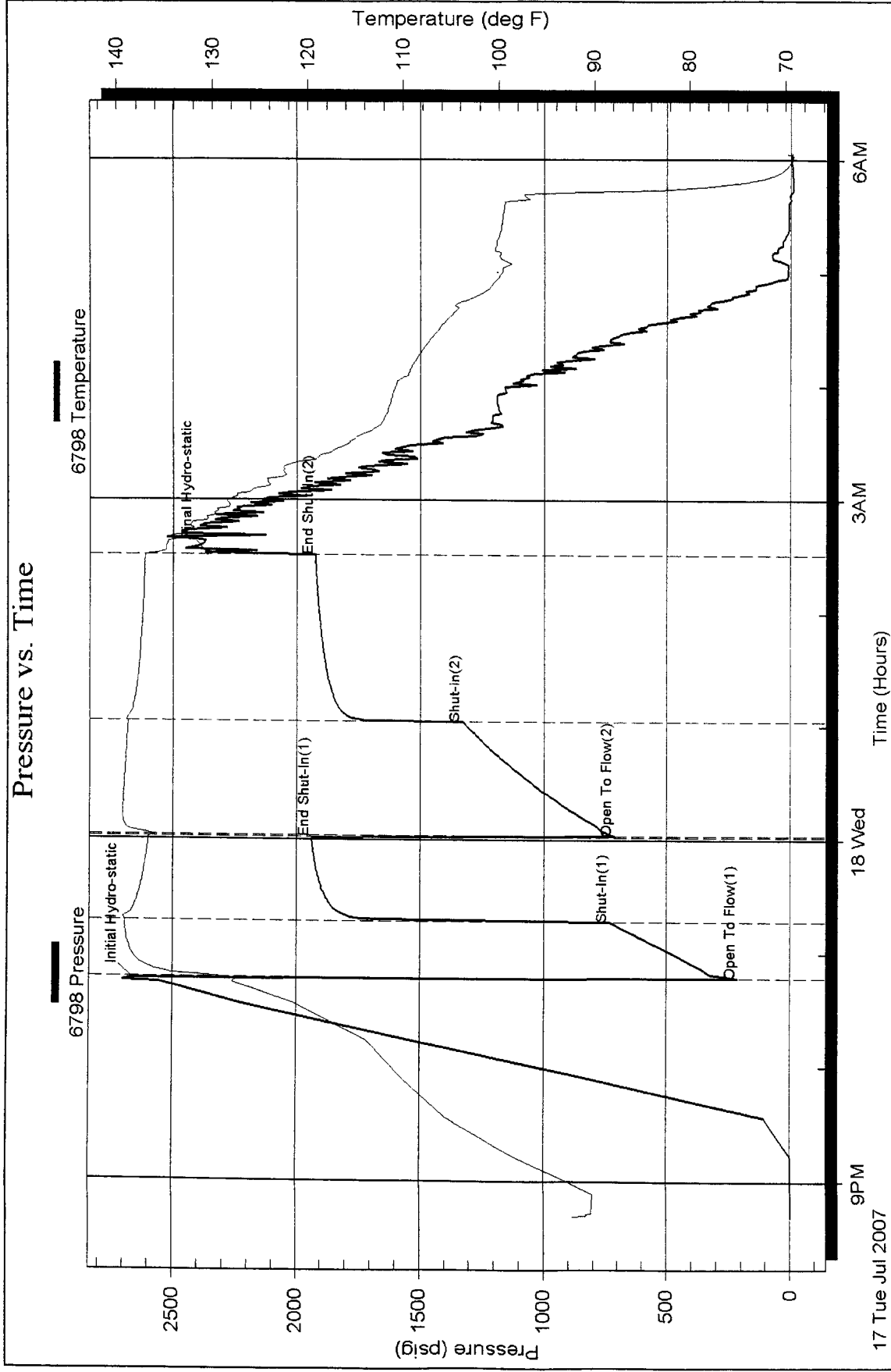
Serial #: 6798

Inside

Chieftain Oil Co Inc

6 34 10 Barber KS

DST Test Number: 1



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

TICK # 26987

DST#1 Simpson

13249

