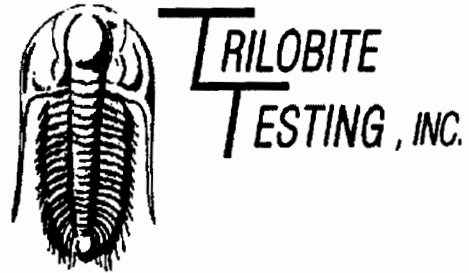


15-007-22942

9-33s-10w



DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co. Inc.**

P.O. Box 124
Kiowa, KS 67070

ATTN: Arden Ratzlaff

9-33s-10w

Dusty #1

Start Date: 2006.02.07 @ 10:06:34

End Date: 2006.02.07 @ 22:00:49

Job Ticket #: 23518 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.

Dusty #1

P.O. Box 124
Kiowa, KS 67070

9-33s-10w

Job Ticket: 23518

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2006.02.07 @ 10:06:34

GENERAL INFORMATION:

Formation: **Simpson**

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

Time Tool Opened: 13:43:34

Time Test Ended: 22:00:49

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **4861.00 ft (KB) To 4895.00 ft (KB) (TVD)**

Total Depth: 4895.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1483.00 ft (KB)

1475.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press@RunDepth: 102.07 psig @ 4862.00 ft (KB)

Start Date: 2006.02.07

End Date: 2006.02.07

Start Time: 10:06:39

End Time: 22:00:49

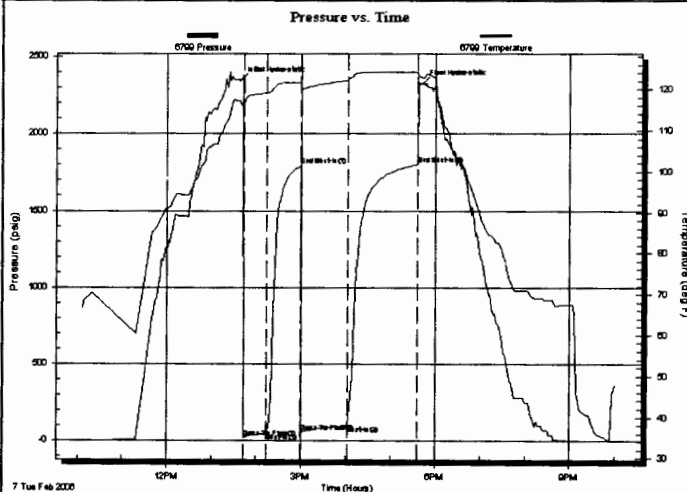
Capacity: 7000.00 psig

Last Calib.: 2006.02.07

Time On Btrn: 2006.02.07 @ 13:38:04

Time Off Btrn: 2006.02.07 @ 17:41:49

TEST COMMENT: F: Fair to Strong blow . BOB 5 min.
 IS: Bled off. No blow back.
 FF: Fair to Strong blow . BOB 45 sec.
 FSI: Bled off. Had a weak surface blow at the end of shut-in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2347.46	117.13	Initial Hydro-static
6	20.58	116.62	Open To Flow (1)
36	50.41	119.25	Shut-In(1)
82	1794.45	121.63	End Shut-In(1)
82	59.28	119.86	Open To Flow (2)
144	102.07	122.26	Shut-In(2)
238	1800.99	124.28	End Shut-In(2)
244	2324.88	122.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	G&OCM 30%g 40%o 30%m	0.15
124.00	G&OCMM 35%g 15%o 20%w 30%m	1.27
62.00	G&SI OCMV 67%g 6%o 15%w 12%m	0.64
0.00	3400' Gas in pipe.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co. Inc.

Dusty #1

P.O. Box 124
Kiowa, KS 67070

9-33s-10w

Job Ticket: 23518

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2006.02.07 @ 10:06:34

Tool Information

Drill Pipe:	Length: 4835.00 ft	Diameter: 3.25 inches	Volume: 49.61 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 49.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4861.00 ft			Final 48000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4839.00	
Shut In Tool	5.00			4844.00	
Hydraulic tool	5.00			4849.00	
Safety Joint	2.00			4851.00	
Packer	5.00			4856.00	23.00 Bottom Of Top Packer
Packer	5.00			4861.00	
Stubb	1.00			4862.00	
Recorder	0.00	6799	Inside	4862.00	
Perforations	30.00			4892.00	
Recorder	0.00	13400	Outside	4892.00	
Bullnose	3.00			4895.00	34.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftain Oil Co. Inc.

Dusty #1

P.O. Box 124
Kiowa, KS 67070

9-33s-10w

Job Ticket: 23518

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2006.02.07 @ 10:06:34

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: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	G&OCM 30%g 40%o 30%m	0.153
124.00	G&OCMM 35%g 15%o 20%w 30%m	1.272
62.00	G&SI OCMV 67%g 6%o 15%w 12%m	0.636
0.00	3400' Gas in pipe.	0.000

Total Length: 216.00 ft

Total Volume: 2.061 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6799

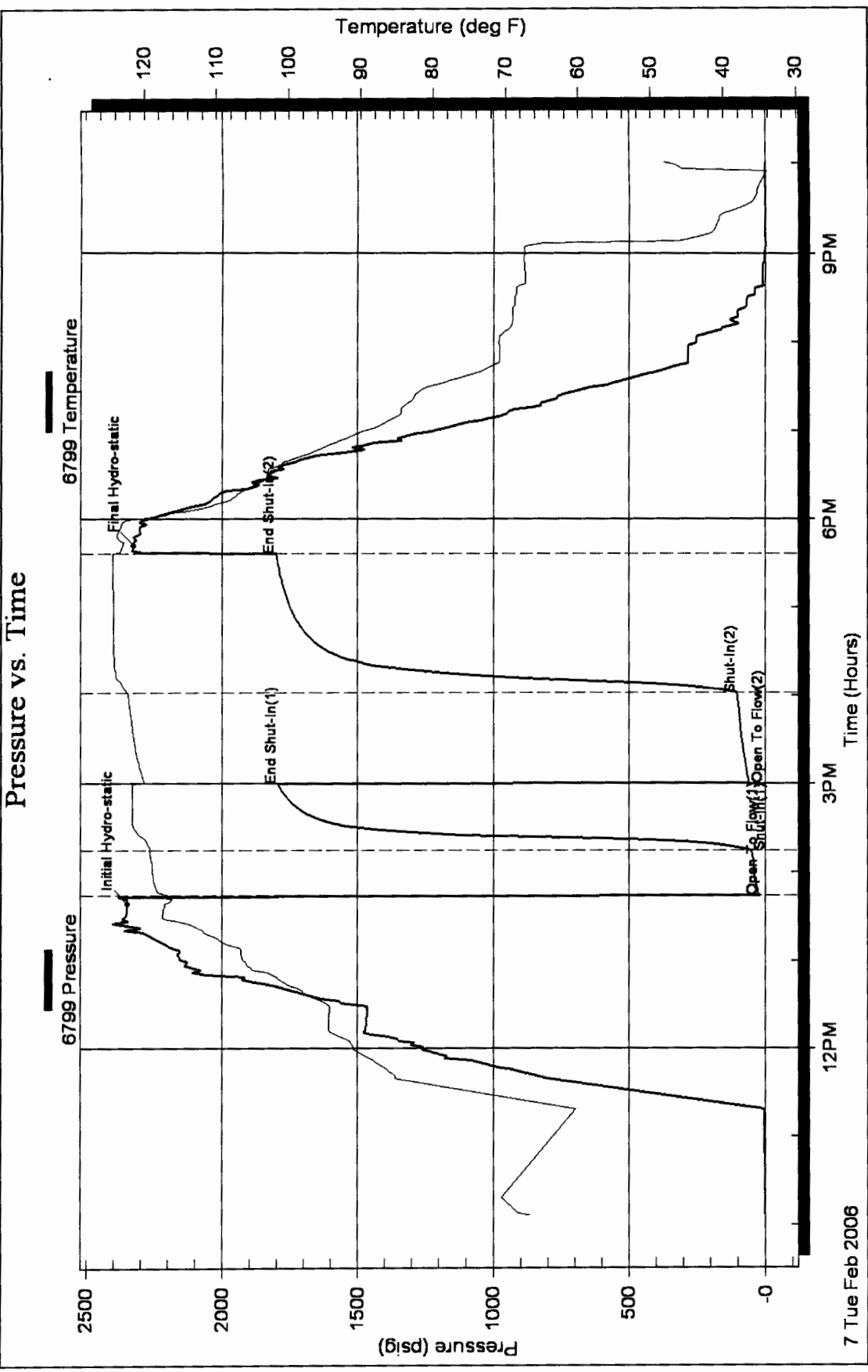
Inside

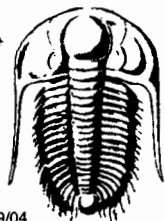
Chieftain Oil Co. Inc.

9-33s-10w

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

4406

No 23518

9/04

Test Ticket

Well Name & No. Dusty #1 Test No. 1 Date 2-07-06
 Company Chieftain Oil Co. Inc. Zone Tested Simpson
 Address P.O. Box 124 Kiowa, KS 67070 Elevation 1483 KB 1475 GL
 Co. Rep / Geo. Arden Ratzlaff Cont. Suncrest Drilg. Est. Ft. of Pay — Por. — %
 Location: Sec. 9 Twp. 33s Rge. 10w Co. Barber State KS
 No. of Copies 5 Disbtribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4861 - 4895 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 34' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 52,000
 Top Packer Depth 4856 Tool Weight 2100
 Bottom Packer Depth 4861 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4895 Wt. Pipe Run — Drill Collar Run 29
 Mud Wt. 9.3 LCM 2# Vis. 42 WL 10.4 Drill Pipe Size 4 1/2" XH Ft. Run 4835

Blow Description IF: Fair to Strong blow, BOB 5 min.
FSI: Bled off. No blow back.
FF: Fair to Strong blow, BOB 45 sec.
FSI: Bled off. Had a weak surface blow at the end of Shut-in.

Recovery - Total Feet 216 GIP yes - 3400' Ft. in DC 29 Ft. in DP 187
 Rec. 30 Feet of G 9 OCM 30 %gas 40 %oil 20 %water 30 %mud
 Rec. 124 Feet of G 9 OCM 35 %gas 15 %oil 20 %water 30 %mud
 Rec. 62 Feet of G 9 S1 OCMW 67 %gas 6 %oil 15 %water 12 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 124 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 10 ✓ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2347	PSI	Recorder No.	6799	Test	✓	1100
(B) First Initial Flow Pressure			21	PSI	(depth)	4862	Jars		
(C) First Final Flow Pressure			50	PSI	Recorder No.	13400	Safety Jt.	✓	50
(D) Initial Shut-In Pressure			1794	PSI	(depth)	4892	Circ Sub	✓	NC
(E) Second Initial Flow Pressure			59	PSI	Recorder No.	—	Sampler		
(F) Second Final Flow Pressure			102	PSI	(depth)	—	Straddle		
(G) Final Shut-In Pressure			1801	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			2325	PSI	Initial Shut-In	45	Shale Packer		
					Final Flow	60	Ruined Packer		
					Final Shut-In	90	Mileage	✓	102 total 102
					T-On Location	05:15	Sub Total:		1252
					T-Started	10:06	Std. By	✓	7 3/4 hrs 200
					T-Open	13:43	Other		281.25
					T-Pulled	17:30	Total:		1733.50
					T-Out	22:00			

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Approved By Arden Ratzlaff
 Our Representative Danny [Signature]

CHART PAGE

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

