

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Enterprise Inc**

2708 Barclay
Hays KS 67601

ATTN: Chris Bean

31 13 19 Ellis KS

Reidel #7

Start Date: 2006.05.15 @ 14:15:37

End Date: 2006.05.15 @ 20:44:37

Job Ticket #: 22766 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Enterprise Inc

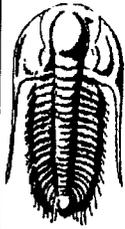
Reidel #7

31 13 19 Ellis KS

DST # 1

ARB

2006.05.15



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DRILL STEM TEST REPORT

Enterprise Inc

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Hays KS 67601

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Reidel #7

31 13 19 Ellis KS

Job Ticket: 22766

DST#: 1

Test Start: 2006.05.15 @ 14:15:37

GENERAL INFORMATION:

Formation: **ARB**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:48:07

Time Test Ended: 20:44:37

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 1

Interval: **3883.00 ft (KB) To 3895.00 ft (KB) (TVD)**

Total Depth: 3895.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2272.00 ft (KB)

2269.00 ft (CF)

KB to GR/CF: 3.00 ft

Serial #: 8167

Inside

Press@RunDepth: 1169.99 psig @ 3884.01 ft (KB)

Start Date: 2006.05.15

End Date:

2006.05.15

Start Time: 14:15:38

End Time:

20:44:37

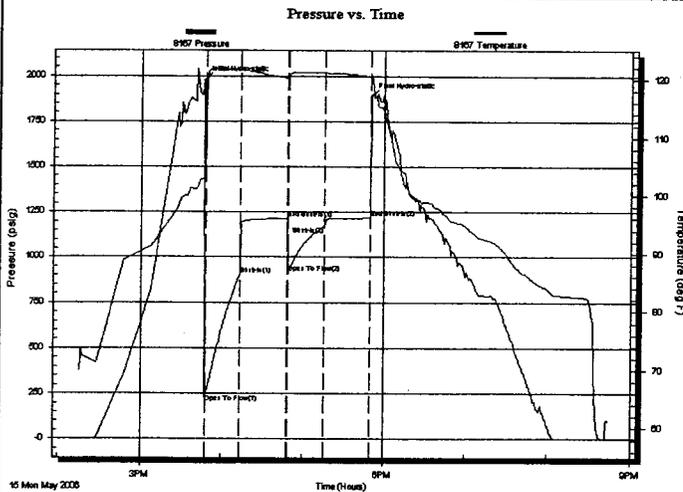
Capacity: 7000.00 psig

Last Calib.: 2006.05.15

Time On Btm: 2006.05.15 @ 15:47:07

Time Off Btm: 2006.05.15 @ 17:50:37

TEST COMMENT: IF B of B 1" 20 sec
ISI Surf blow back
FF B of B 1" 20 sec
FSI Built to 1 in on blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.50	103.37	Initial Hydro-static
1	200.05	110.55	Open To Flow (1)
27	900.60	121.54	Shut-In(1)
61	1214.61	120.19	End Shut-In(1)
62	914.61	119.87	Open To Flow (2)
89	1169.99	121.10	Shut-In(2)
123	1217.39	120.52	End Shut-In(2)
124	1888.02	120.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
780.00	M&WCO 5%M10%W 85%O	10.94
80.00	M&WCO 10%M40%W 50%O	1.12
60.00	OCW 30%O 70%W	0.84
1560.00	SlightlyOCW 2%O 98%W	21.88

Gas Rates

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



**TRILOBITE
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TOOL DIAGRAM

Enterprise Inc

Reidel #7

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DST#: 1

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Test Start: 2006.05.15 @ 14:15:37

Tool Information

Drill Pipe:	Length: 3879.00 ft	Diameter: 3.80 inches	Volume: 54.41 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 54.41 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3883.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.02 ft				
Tool Length:	36.02 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3860.00	
Shut In Tool	5.00			3865.00	
Hydraulic tool	5.00			3870.00	
Safety Joint	3.00			3873.00	
Packer	5.00			3878.00	24.00 Bottom Of Top Packer
Packer	5.00			3883.00	
Stubb	1.00			3884.00	
Recorder	0.01	8167	Inside	3884.01	
Perforations	8.00			3892.01	
Recorder	0.01	13534	Outside	3892.02	
Bullnose	3.00			3895.02	12.02 Bottom Packers & Anchor

Total Tool Length: 36.02



**TRILOBITE
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FLUID SUMMARY

Enterprise Inc

Reidel #7

2708 Barclay
Hays KS 67601

31 13 19 Ellis KS

Job Ticket: 22766

DST#: 1

ATTN: Chris Bean

Test Start: 2006.05.15 @ 14:15:37

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 24.96 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
780.00	M&WCO 5%M10%W 85%O	10.941
80.00	M&WCO 10%M 40%W 50%O	1.122
60.00	OCW 30%O 70%W	0.842
1560.00	SlightlyOCW 2%O 98%W	21.883

Total Length: 2480.00 ft Total Volume: 34.788 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8167

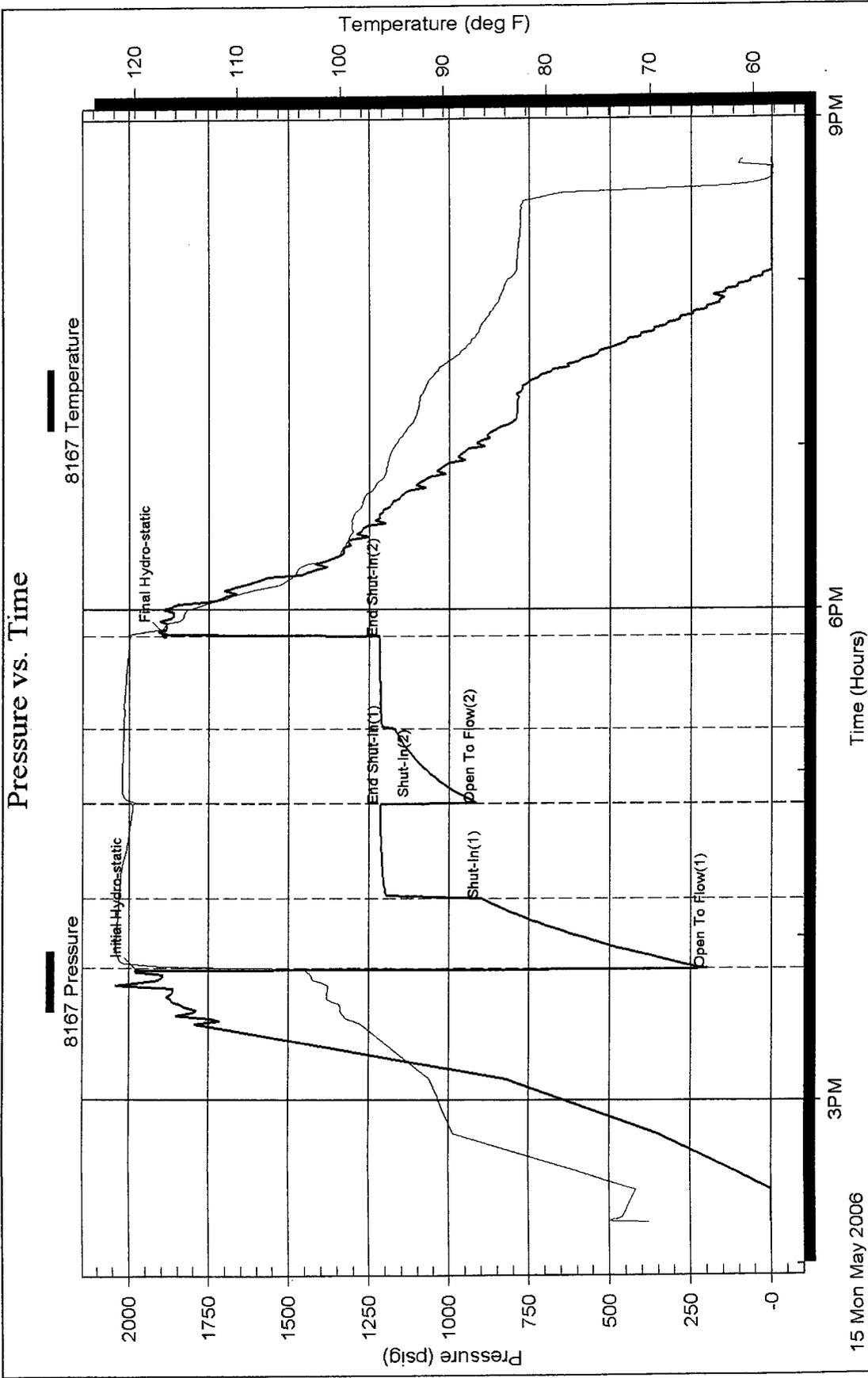
Inside

Enterprise Inc

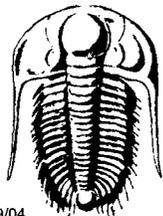
31 13 19 Ellis KS

DST Test Number: 1

Pressure vs. Time



15 Mon May 2006



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

5748

No 22766

9/04

Test Ticket

Well Name & No. Riedel #7 Test No. 1 Date 5-15-06
 Company Enterprise Inc Zone Tested Arb
 Address 2708 Barclay Hays Elevation 2272 KB 2269 GL
 Co. Rep / Geo. Steve Weiler Cont. Anderson Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 31 Twp. 13 Rge. 19 Co. Ellis State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3883-3895 Initial Str Wt./Lbs. 40000 Unseated Str Wt/Lbs. 48000
 Anchor Length 12 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 60000
 Top Packer Depth 3878 Tool Weight 2000
 Bottom Packer Depth 3883 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3895 Wt. Pipe Run _____ Drill Collar Run 0
 Mud Wt. 9.6 LCM TR Vis. 51 WL 25 Drill Pipe Size 4 1/2 Ft. Run 3879

Blow Description IF-BoFB 1m 20s
ISI-Surface Blow Back
EF-BoFB 1m 20s
FST - Built to 1"

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>780</u>	Feet of <u>Mud & Water Cut Oil</u>	%gas <u>85</u> %oil <u>10</u> %water <u>5</u> %mud	
Rec. <u>80</u>	Feet of <u>Mud & Water Cut Oil</u>	%gas <u>50</u> %oil <u>40</u> %water <u>10</u> %mud	
Rec. <u>60</u>	Feet of <u>Oil cut water</u>	%gas <u>30</u> %oil <u>70</u> %water _____ %mud	
Rec. <u>1560</u>	Feet of <u>Salt Water</u>	%gas <u>2</u> %oil <u>98</u> %water _____ %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud	

BHT 121 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 2.6 @ 6.6 °F Chlorides 30,000 ppm Recovery _____ Chlorides 18,000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2009</u> PSI	<u>8167</u>	<u>Ran 1000.00</u>
(B) First Initial Flow Pressure	<u>200</u> PSI	<u>3884</u>	Jars
(C) First Final Flow Pressure	<u>901</u> PSI	<u>13534</u>	<u>Safety Jt. Ran 75.00</u>
(D) Initial Shut-In Pressure	<u>1215</u> PSI	<u>3894</u>	Circ Sub
(E) Second Initial Flow Pressure	<u>915</u> PSI		Sampler
(F) Second Final Flow Pressure	<u>1170</u> PSI		Straddle
(G) Final Shut-In Pressure	<u>1217</u> PSI	Initial Opening	Ext. Packer
(Q) Final Hydrostatic Mud	<u>1969</u> PSI	Initial Shut-In	Shale Packer

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Final Flow	<u>30</u>	Ruined Packer	
Final Shut-In	<u>30</u>	Mileage	<u>28 RT 35.00</u>
T-On Location	<u>13:30</u>	Sub Total:	<u>1110.00</u>
T-Started	<u>14:15</u>	Std. By	<u>_____</u>
T-Open	<u>15:40</u>	Other	
T-Pulled	<u>17:40</u>	Total:	
T-Out	<u>20:20</u>		

Approved By _____
 Our Representative Michael Armbrister