

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Co**

P O Box 641
Hays Ks 67601

ATTN: Kenny Veigie

5-8-24-Graham-Ks

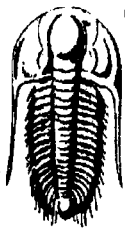
Teel #3

Start Date: 2005.10.31 @ 00:15:17

End Date: 2005.10.31 @ 05:09:17

Job Ticket #: 23851 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

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Teel #3

P O Box 641
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Job Ticket: 23851

DST#: 1

ATTN: Kenny Veigie

Test Start: 2005.10.31 @ 00:15:17

GENERAL INFORMATION:

Formation: H-I-J-K-L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:11:17

Time Test Ended: 05:09:17

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3716.00 ft (KB) To 3844.00 ft (KB) (TVD)

Total Depth: 3844.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: ft (KB)

ft (CF)

KB to GR/CF: ft

Serial #: 6672 Inside

Press@RunDepth: 31.53 psig @ 3723.00 ft (KB)

Start Date: 2005.10.31

End Date:

2005.10.31

Capacity: 7000.00 psig

Last Calib.: 2005.10.31

Start Time: 00:15:18

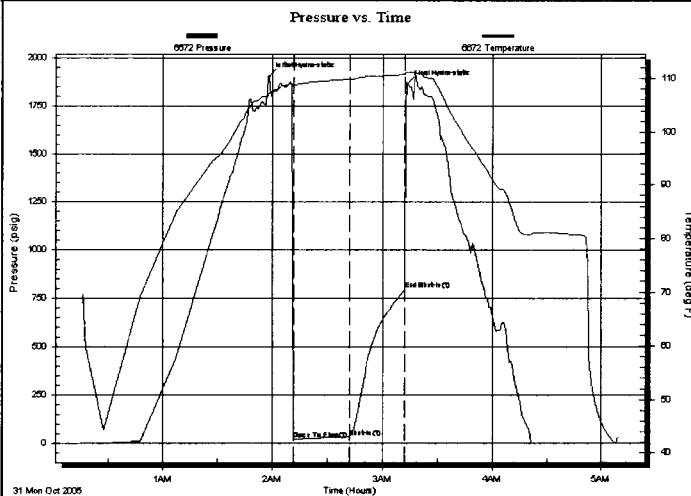
End Time:

05:09:17

Time On Btm: 2005.10.31 @ 01:58:17

Time Off Btm: 2005.10.31 @ 03:12:47

TEST COMMENT: IF-Weak 1/4" decreasing to weak surface blow
Times-30-30



PRESSURE SUMMARY

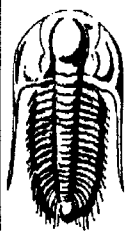
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.12	107.11	Initial Hydro-static
13	18.02	108.60	Open To Flow (1)
44	31.53	109.88	Shut-In(1)
74	794.33	110.74	End Shut-In(1)
75	1867.33	111.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	DM	0.07

Gas Rates

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

Black Diamond Oil Co

Teel #3

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5-8-24-Graham-Ks

Job Ticket: 23851

DST#: 1

ATTN: Kenny Veigie

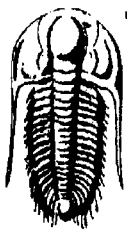
Test Start: 2005.10.31 @ 00:15:17

Tool Information

Drill Pipe:	Length: 3604.00 ft	Diameter: 3.80 inches	Volume: 50.55 bbl	Tool Weight: 2800.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 51.14 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3716.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	128.00 ft			
Tool Length:	149.00 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			3696.00	
Shut In Tool	5.00			3701.00	
Hydraulic tool	5.00			3706.00	
Packer	5.00			3711.00	21.00 Bottom Of Top Packer
Packer	5.00			3716.00	
Stubb	1.00			3717.00	
Perforations	5.00			3722.00	
Change Over Sub	1.00			3723.00	
Recorder	0.00	6672	Inside	3723.00	
Drill Pipe	93.00			3816.00	
Change Over Sub	1.00			3817.00	
Recorder	0.00	13254	Outside	3817.00	
Perforations	24.00			3841.00	
Bullnose	3.00			3844.00	128.00 Bottom Packers & Anchor

Total Tool Length: 149.00



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FLUID SUMMARY

Black Diamond Oil Co

Teel #3

P O Box 641
Hays Ks 67601

5-8-24-Graham-Ks

Job Ticket: 23851

DST#: 1

ATTN: Kenny Veigie

Test Start: 2005.10.31 @ 00:15:17

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: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	DM	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

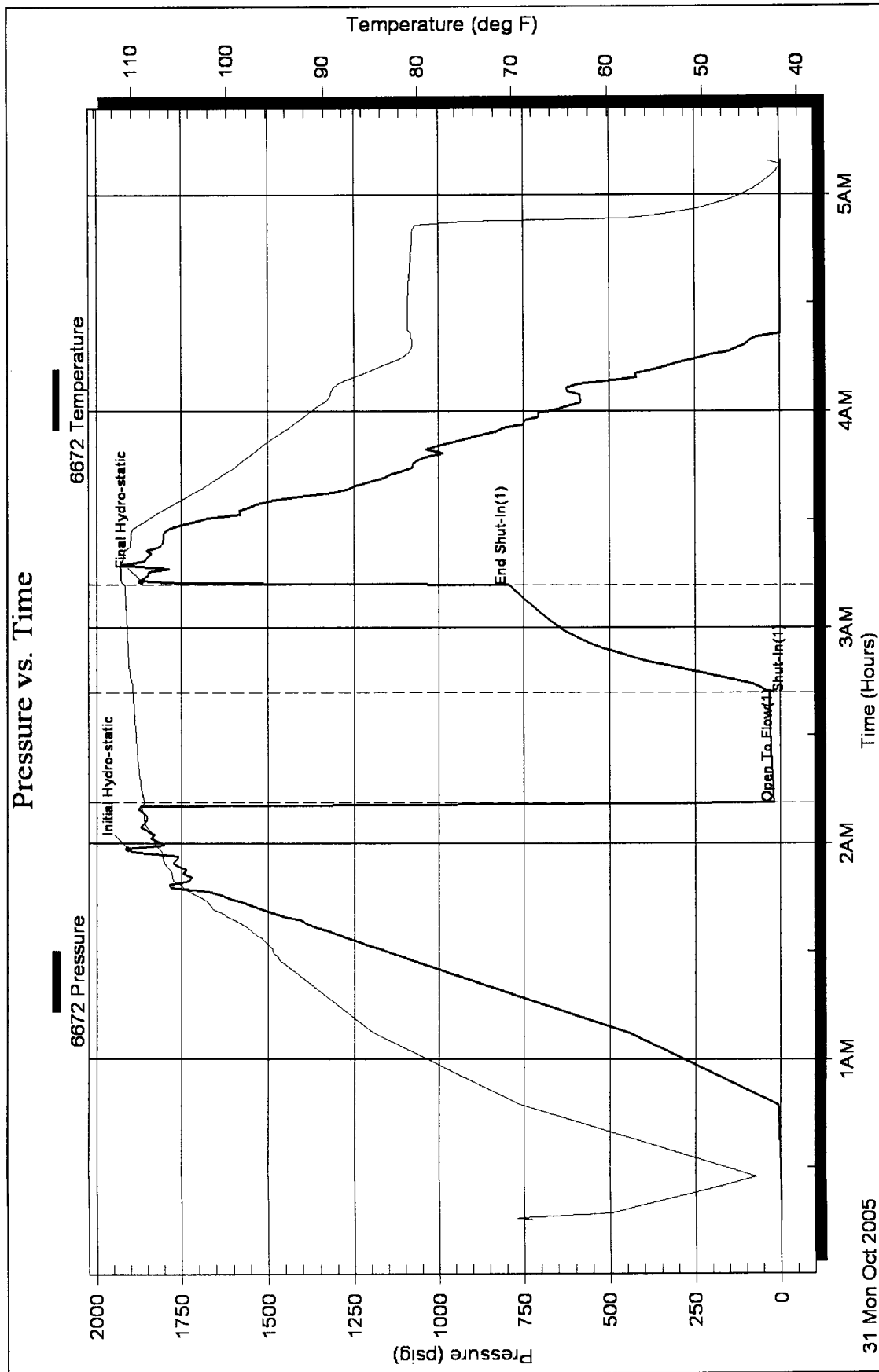
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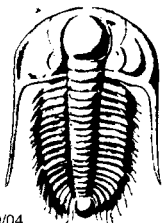
Inside

Black Diamond Oil Co

5-8-24-Graham-Ks

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

TNU
8072

No 23851

Test Ticket

Well Name & No. Teel #3 Test No. 1 Date 10-31-05
 Company Black Diamond Oil Co. Zone Tested H-I-J-K-L LKC
 Address P.O. Box 641, Hays KS 67601 Elevation _____ KB _____ GL _____
 Co. Rep / Geo. Tony Richardson Cont. WW #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 5 Twp. 8 Rge. 24 Co. Graham State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3716 — 3844 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 128 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3711 Tool Weight 2800
 Bottom Packer Depth 3716 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3844 Wt. Pipe Run _____ Drill Collar Run 120
 Mud Wt. 9.4 LCM _____ Vis. 61 WL 8.8 Drill Pipe Size 4.5 XH Ft. Run 3604
 Blow Description I.F. Weak 1/4" decreasing to weak surface blow

Recovery - Total Feet 15 GIP _____ Ft. in DC 15 Ft. in DP 1
 Rec. 15 Feet of D.M. %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 110 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2,000 ppm System

AK-1 Alpine
 (A) Initial Hydrostatic Mud 1906 PSI
 (B) First Initial Flow Pressure 18 PSI
 (C) First Final Flow Pressure 31 PSI
 (D) Initial Shut-In Pressure 194 PSI
 (E) Second Initial Flow Pressure _____ PSI
 (F) Second Final Flow Pressure _____ PSI
 (G) Final Shut-In Pressure _____ PSI
 (Q) Final Hydrostatic Mud 1867 PSI

Recorder No. 6672 Test 1000
 (depth) 3723 Jars _____
 Recorder No. 13254 Safety Jt. _____
 (depth) 3817 Circ Sub _____
 Recorder No. _____ Sampler _____
 (depth) _____ Straddle _____
 Initial Opening 30 Ext. Packer _____
 Initial Shut-In 30 Shale Packer _____
 Final Flow _____ Ruined Packer _____
 Final Shut-In _____ Mileage 144 144
 T-On Location 00:01 Sub Total: 1144
 T-Started 00:15 Std. By _____
 T-Open 02:11 Other _____
 T-Pulled 03:11 Total: _____
 T-Out 05:09

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]
 Our Representative Don Rangle

CHART PAGE

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

