



DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

P O Box 461
Hays Ks 67601

ATTN: Ken Vehige

33-4s-22w Norton Ks

VanDiest #2

Start Date: 2004.04.10 @ 18:08:57

End Date: 2004.04.11 @ 00:19:56

Job Ticket #: 19415 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

Black Diamond Oil Inc

P O Box 461
Hays Ks 67601

ATTN: Ken Vehige

VanDiest #2

33-4s-22w Norton Ks

Job Ticket: 19415

DST#: 1

Test Start: 2004.04.10 @ 18:08:57

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:43:56

Time Test Ended: 00:19:56

Interval: **3445.00 ft (KB) To 3524.00 ft (KB) (TVD)**

Total Depth: 3524.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Reference Elevations: 2269.00 ft (KB)

2261.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 65.38 psig @ 3458.01 ft (KB)

Start Date: 2004.04.10

End Date:

2004.04.11

Start Time: 18:08:57

End Time:

00:19:56

Capacity: 7000.00 psig

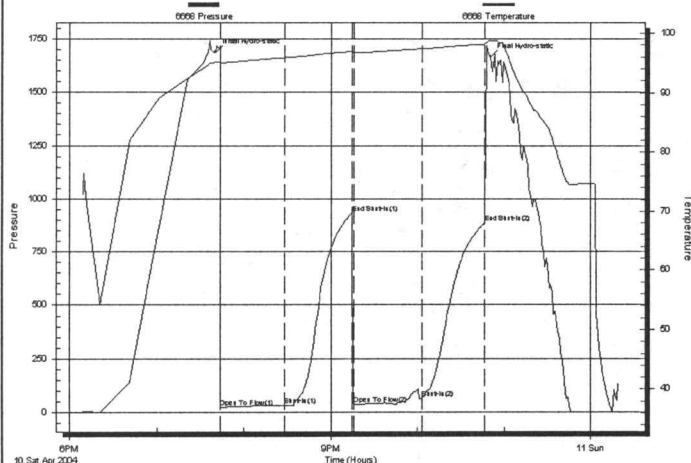
Last Calib.: 2004.04.11

Time On Btm: 2004.04.10 @ 19:40:26

Time Off Btm: 2004.04.10 @ 22:50:26

TEST COMMENT: IFP- w k bl thru-out 1/4" to 3/4"bl
FFP-w k bl thru-out 1/2"bl
Times 45-45-45-45

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.45	95.09	Initial Hydro-static
4	22.82	95.03	Open To Flow (1)
48	33.08	95.90	Shut-In(1)
94	931.27	96.94	End Shut-In(1)
96	37.18	96.75	Open To Flow (2)
143	65.38	97.38	Shut-In(2)
186	885.63	98.17	End Shut-In(2)
190	1663.82	98.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	HO&GCM 5%gas 35%oil 60%mud	0.70
0.00	70'GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil Inc

P O Box 461
Hays Ks 67601

ATTN: Ken Vehige

VanDiest #2

33-4s-22w Norton Ks

Job Ticket: 19415

DST#: 1

Test Start: 2004.04.10 @ 18:08:57

Tool Information

Drill Pipe:	Length: 3454.00 ft	Diameter: 3.80 inches	Volume: 48.45 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 48.45 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3445.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.02 ft			
Tool Length:	100.02 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			3425.00	
Shut In Tool	5.00			3430.00	
Hydraulic tool	5.00			3435.00	
Packer	5.00			3440.00	21.00 Bottom Of Top Packer
Packer	5.00			3445.00	
Stubb	1.00			3446.00	
Perforations	11.00			3457.00	
Change Over Sub	1.00			3458.00	
Recorder	0.01	6668	Inside	3458.01	
Blank Spacing	62.00			3520.01	
Change Over Sub	1.00			3521.01	
Recorder	0.01	11085	Outside	3521.02	
Bullnose	3.00			3524.02	79.02 Bottom Packers & Anchor

Total Tool Length: 100.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil Inc

VanDiest #2

P O Box 461
Hays Ks 67601

33-4s-22w Norton Ks

Job Ticket: 19415

DST#: 1

ATTN: Ken Vehige

Test Start: 2004.04.10 @ 18:08:57

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	HO&GCM 5%gas 35%oil 60%mud	0.701
0.00	70'GIP	0.000

Total Length: 50.00 ft

Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

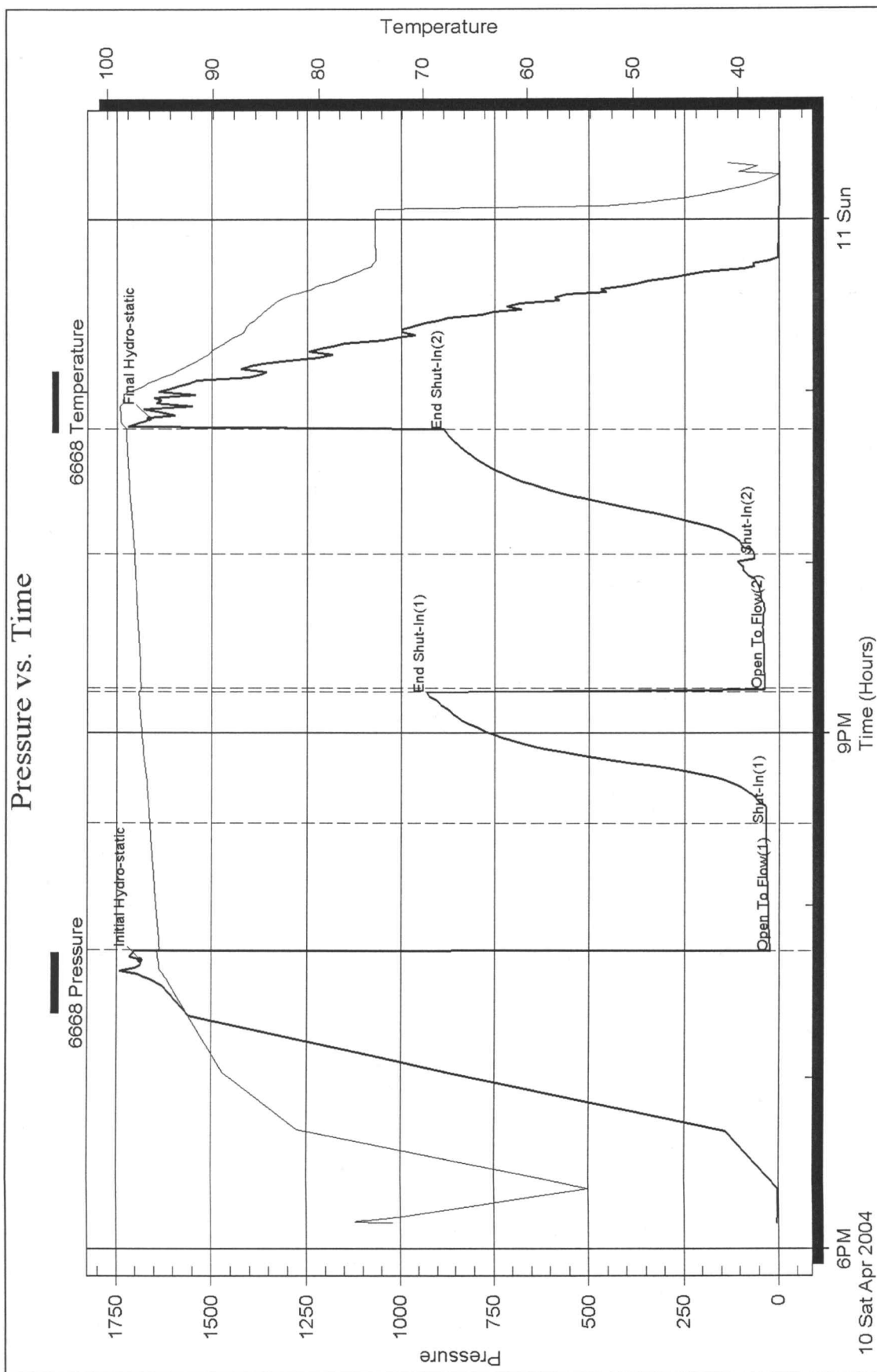
Serial #: 6668

Inside

Black Diamond Oil Inc

33-4s-22w Norton Ks

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

P O Box 461
Hays Ks 67601

ATTN: Ken Vehige

33-4s-22w Norton Ks

VanDiest #2

Start Date: 2004.04.11 @ 11:01:22

End Date: 2004.04.11 @ 15:31:51

Job Ticket #: 19416 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Black Diamond Oil Inc

VanDiest #2

P O Box 461
Hays Ks 67601

33-4s-22w Norton Ks

Job Ticket: 19416

DST#: 2

ATTN: Ken Vehige

Test Start: 2004.04.11 @ 11:01:22

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:47:21

Time Test Ended: 15:31:51

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3546.00 ft (KB) To 3635.00 ft (KB) (TVD)**

Reference Elevations: 2269.00 ft (KB)

Total Depth: 3635.00 ft (KB) (TVD)

2261.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 46.81 psig @ 3550.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.04.11

End Date:

2004.04.11

Last Calib.:

2004.04.11

Start Time: 11:01:22

End Time:

15:31:51

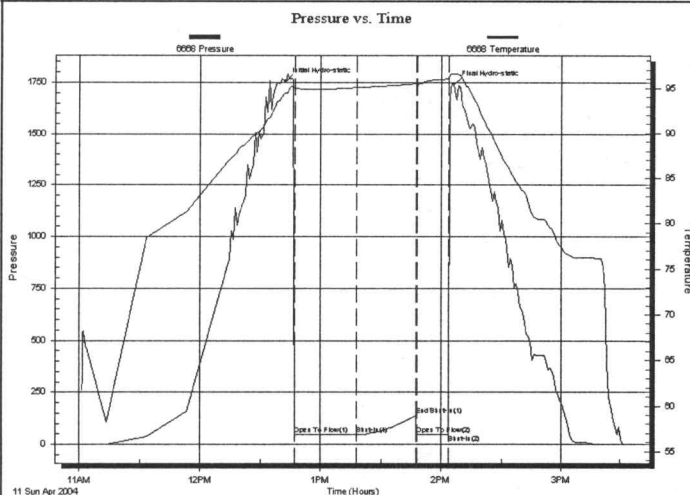
Time On Btm:

2004.04.11 @ 12:42:21

Time Off Btm:

2004.04.11 @ 14:06:21

TEST COMMENT: IFP-wk bl thru-out 1/4" to surface bl
FFP-surface bl, flushed tool, 1/4" bl after flush
Times 30-30-15



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.59	94.41	Initial Hydro-static
5	45.03	95.00	Open To Flow (1)
36	46.81	95.04	Shut-In(1)
66	140.58	95.47	End Shut-In(1)
66	46.92	95.43	Open To Flow (2)
82	49.33	96.01	Shut-In(2)
84	1741.93	96.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w/show of oil	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil Inc

VanDiest #2

P O Box 461
Hays Ks 67601

33-4s-22w Norton Ks

Job Ticket: 19416

DST#: 2

ATTN: Ken Vehige

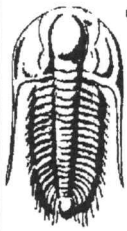
Test Start: 2004.04.11 @ 11:01:22

Tool Information

Drill Pipe:	Length:	3546.00 ft	Diameter:	3.80 inches	Volume:	49.74 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:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	49.74 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft							
Depth to Top Packer:	3546.00 ft							
Depth to Bottom Packer:	ft							
Interval between Packers:	89.02 ft							
Tool Length:	110.02 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			3526.00	
Shut In Tool	5.00			3531.00	
Hydraulic tool	5.00			3536.00	
Packer	5.00			3541.00	21.00 Bottom Of Top Packer
Packer	5.00			3546.00	
Stubb	1.00			3547.00	
Perforations	2.00			3549.00	
Change Over Sub	1.00			3550.00	
Recorder	0.01	6668	Inside	3550.01	
Blank Spacing	62.00			3612.01	
Change Over Sub	1.00			3613.01	
Perforations	19.00			3632.01	
Recorder	0.01	11085	Outside	3632.02	
Bullnose	3.00			3635.02	89.02 Bottom Packers & Anchor

Total Tool Length: 110.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil Inc

VanDiest #2

P O Box 461
Hays Ks 67601

33-4s-22w Norton Ks

Job Ticket: 19416

DST#: 2

ATTN: Ken Vehige

Test Start: 2004.04.11 @ 11:01:22

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w/show of oil	0.070

Total Length: 5.00 ft

Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

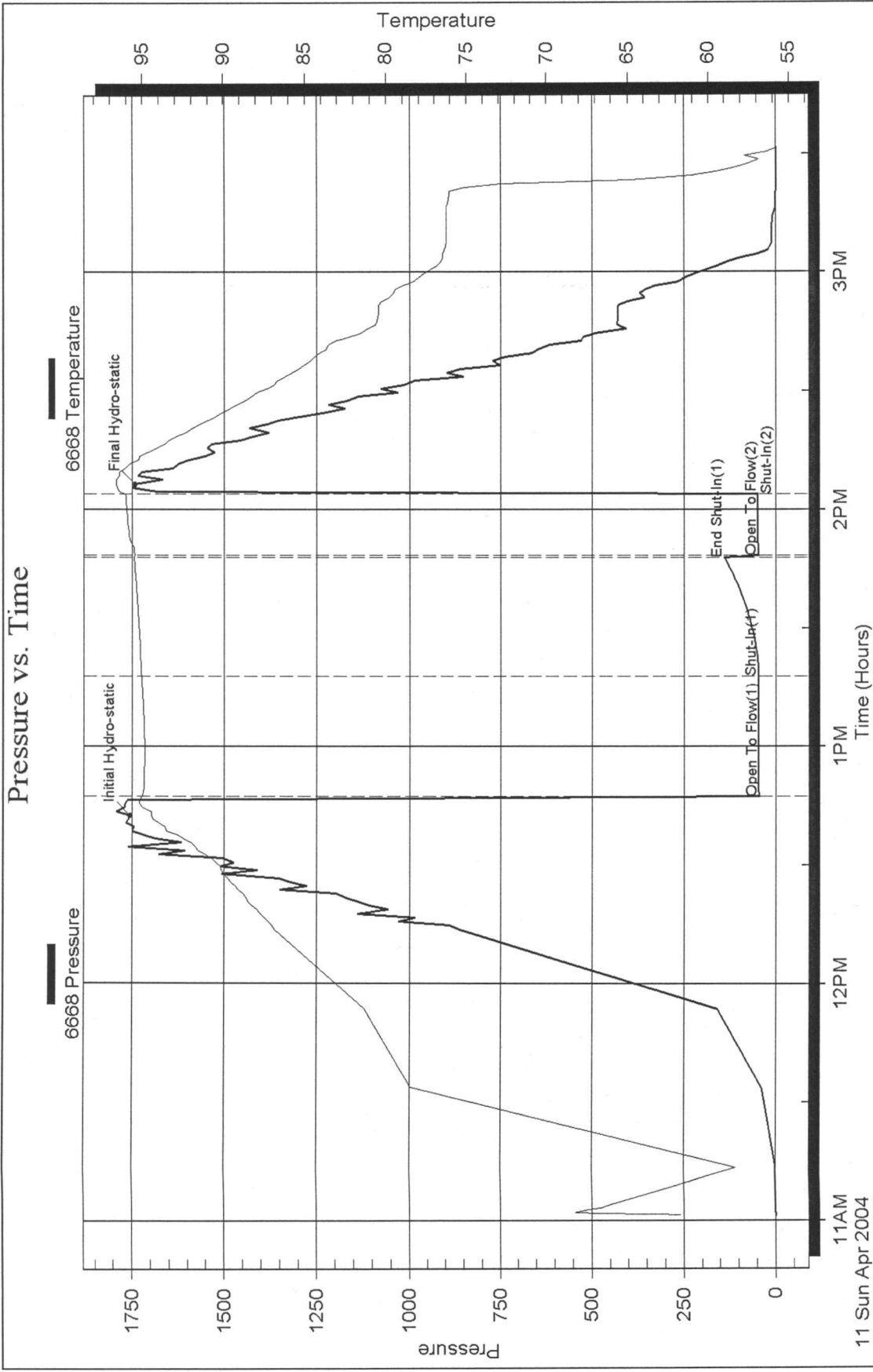
Serial #: 6668

Inside

Black Diamond Oil Inc

33-4s-22w Norton Ks

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

P O Box 461
Hays Ks 67601

ATTN: Ken Vehige

33-4s-22w Norton Ks

VanDiest #2

Start Date: 2004.04.11 @ 23:30:57

End Date: 2004.04.12 @ 04:34:26

Job Ticket #: 19417 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Black Diamond Oil Inc

P O Box 461
Hays Ks 67601

ATTN: Ken Vehige

VanDiest #2

33-4s-22w Norton Ks

Job Ticket: 19417

DST#: 3

Test Start: 2004.04.11 @ 23:30:57

GENERAL INFORMATION:

Formation: **congl sd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:26:56

Time Test Ended: 04:34:26

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3693.00 ft (KB) To 3714.00 ft (KB) (TVD)**

Total Depth: 3714.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2269.00 ft (KB)

2261.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 13.67 psig @ 3694.01 ft (KB)

Start Date: 2004.04.11

End Date: 2004.04.12

Start Time: 23:30:57

End Time: 04:34:26

Capacity: 7000.00 psig

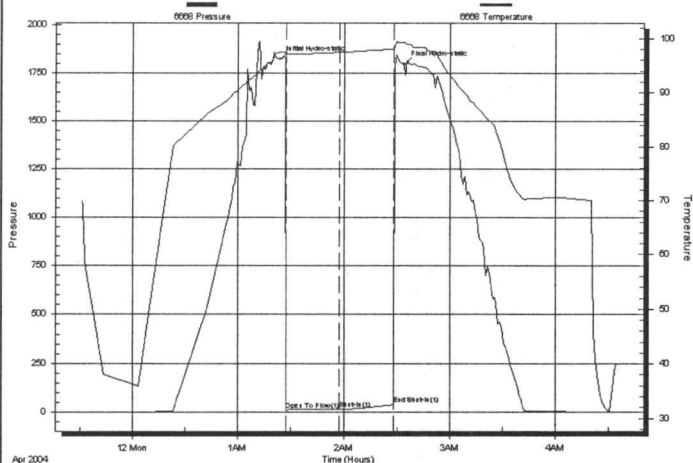
Last Calib.: 2004.04.12

Time On Btm: 2004.04.12 @ 01:23:26

Time Off Btm: 2004.04.12 @ 02:33:26

TEST COMMENT: IFP-surface bl, died in 14 min
Times 30-30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.50	97.41	Initial Hydro-static
4	12.11	97.14	Open To Flow (1)
34	13.67	97.47	Shut-In(1)
65	38.43	98.07	End Shut-In(1)
70	1795.03	99.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil Inc

VanDiest #2

P O Box 461
Hays Ks 67601

33-4s-22w Norton Ks

Job Ticket: 19417

DST#: 3

ATTN: Ken Vehige

Test Start: 2004.04.11 @ 23:30:57

Tool Information

Drill Pipe:	Length: 3703.00 ft	Diameter: 3.80 inches	Volume: 51.94 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 51.94 bbl	Tool Chased 3.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3693.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.02 ft			
Tool Length:	42.02 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			3673.00	
Shut In Tool	5.00			3678.00	
Hydraulic tool	5.00			3683.00	
Packer	5.00			3688.00	21.00 Bottom Of Top Packer
Packer	5.00			3693.00	
Stubb	1.00			3694.00	
Recorder	0.01	6668	Inside	3694.01	
Perforations	17.00			3711.01	
Recorder	0.01	11085	Outside	3711.02	
Bullnose	3.00			3714.02	21.02 Bottom Packers & Anchor
Total Tool Length:	42.02				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil Inc

VanDiest #2

P O Box 461
Hays Ks 67601

33-4s-22w Norton Ks

Job Ticket: 19417

DST#: 3

ATTN: Ken Vehige

Test Start: 2004.04.11 @ 23:30:57

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud	0.014

Total Length: 1.00 ft

Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

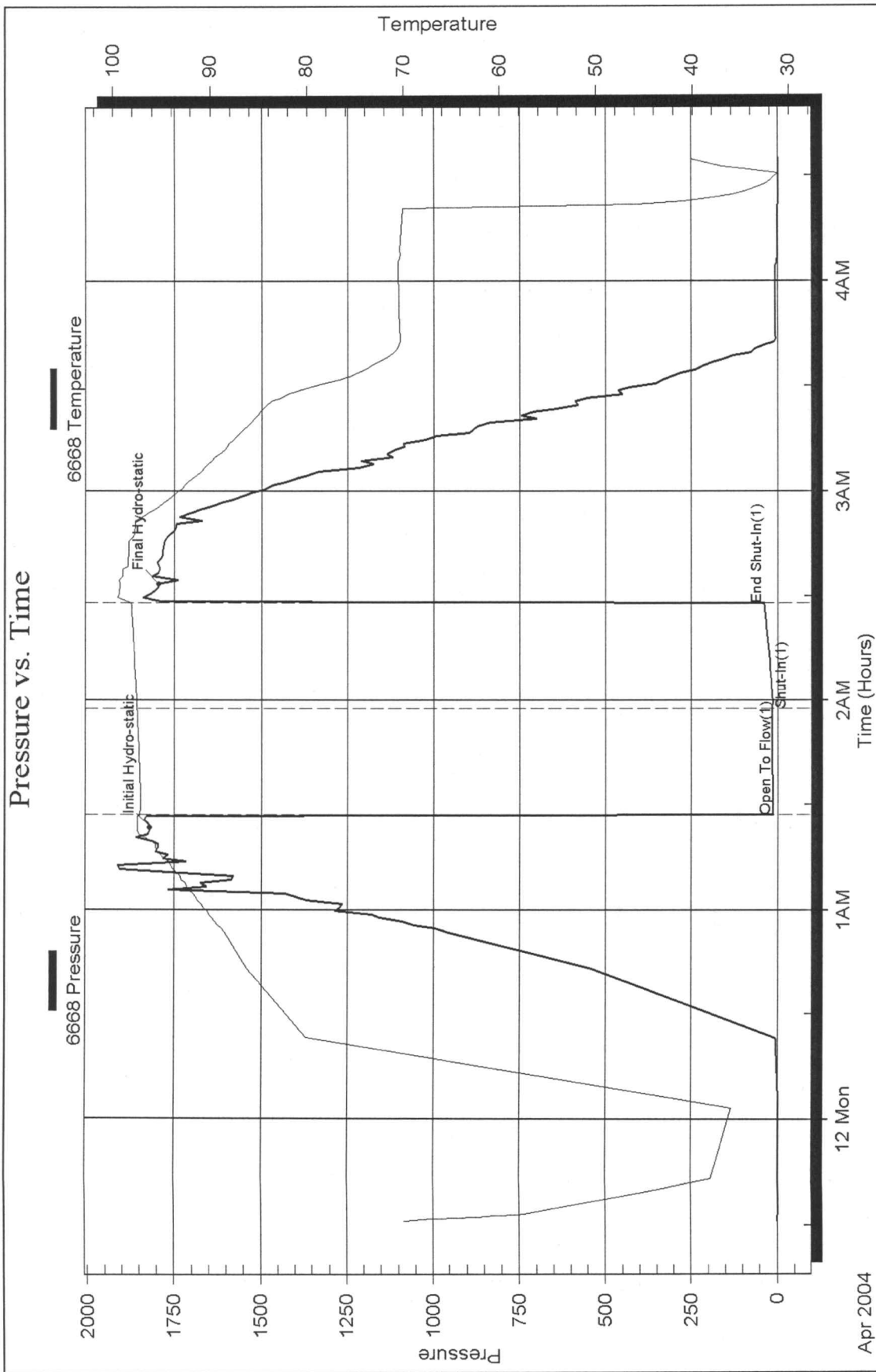
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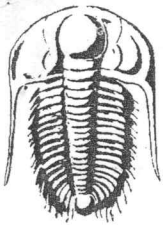
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19415

05/03

Test Ticket

Well Name & No. UanDiest #2 Test No. 1 Date 4-10-04
Company Black Diamond Oil Inc Zone Tested LKC
Address P.O. Box 461 Hays, Ks 67601 Elevation 2269 KB 2261 GL
Co. Rep / Geo. Ken Vehige Cont. Discovery rig 1 Est. Ft. of Pay - Por. - %
Location: Sec. 33 Twp. 4^s Rge. 22^w Co. NORTON State Ks
No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3445-3524 Initial Str Wt./Lbs. 55000 Unseated Str Wt./Lbs. 55000
Anchor Length 79 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 20000
Top Packer Depth 3440 Tool Weight 2200
Bottom Packer Depth 3445 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3524 Wt. Pipe Run - Drill Collar Run -
Mud Wt. 9 LCM - Vis. 59 WL 6.4 Drill Pipe Size 4 1/2 X H Ft. Run 3454
Blow Description IFP- WEAK Blow thru-out 1/4" To 3/4" Blow
FFP- WEAK Blow thru-out 1/2" Blow
No Blow on shut-in

Recovery - Total Feet 50 GIP 70 Ft. in DC - Ft. in DP 50
Rec. 50 Feet of H0 + 6 CM 5 %gas 35 %oil %water 60 %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 98 °F Gravity - °API D @ - °F Corrected Gravity - °API
RW - @ - °F Chlorides - ppm Recovery - Chlorides 1500 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1686</u> PSI	<u>6668</u>	<u>700</u>
(B) First Initial Flow Pressure	<u>22</u> PSI	<u>3458</u>	<u>150</u>
(C) First Final Flow Pressure	<u>33</u> PSI	<u>11085</u>	
(D) Initial Shut-In Pressure	<u>931</u> PSI	<u>3521</u>	
(E) Second Initial Flow Pressure	<u>37</u> PSI		
(F) Second Final Flow Pressure	<u>65</u> PSI		
(G) Final Shut-In Pressure	<u>885</u> PSI	<u>45</u>	
(Q) Final Hydrostatic Mud	<u>1663</u> PSI	<u>45</u>	

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 Ray Schwager Thank you

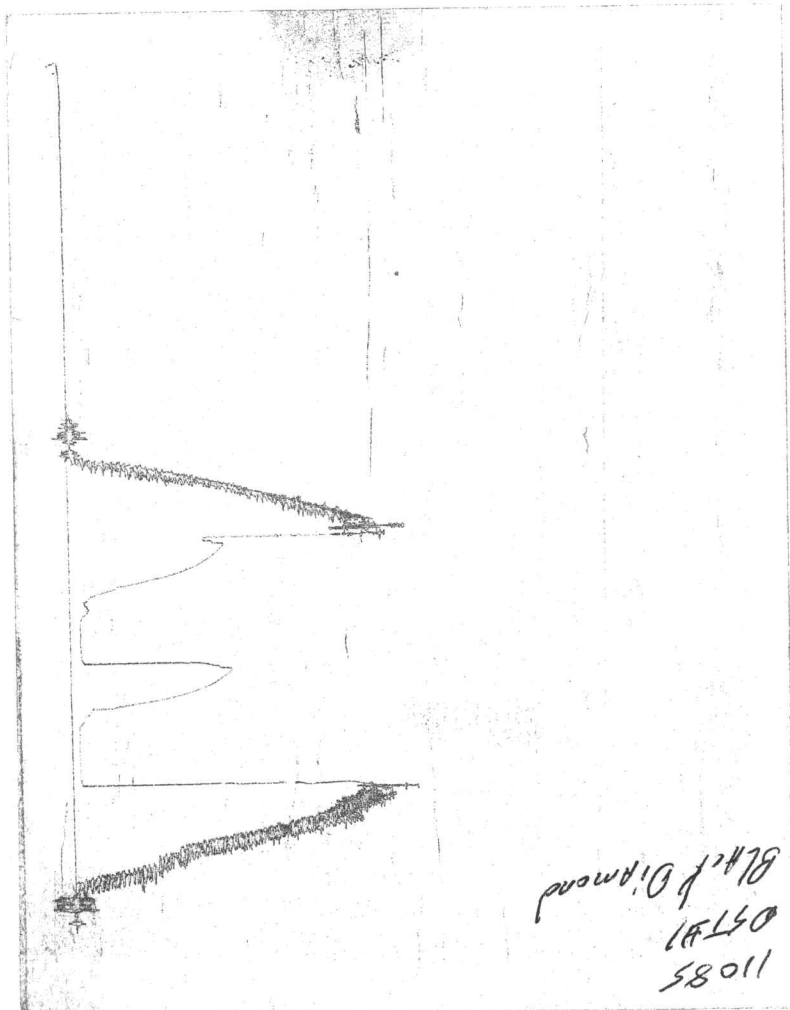
Our Representative Ray Schwager Thank you

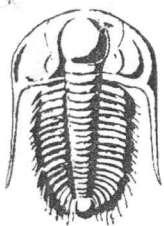
T-Started 1808
T-Open 1945
T-Pulled 2245
T-Out 0019

Shale Packer 176 149.60
Mileage 88 one way
Sub Total: 999.60
Std. By -
Other -
Total: -

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19416

05/03

Test Ticket

Well Name & No.	Van Diest #2	Test No.	2	Date	4-11-04
Company	BLACK Diamond Oil Inc	Zone Tested	LKC		
Address	P.O. Box 461 Hays, Ks 67601	Elevation	2269	KB	2261
Co. Rep / Geo.	Ken Uehige	Cont.	Discovery rig 1	Est. Ft. of Pay	-
Location: Sec.	33	Twp.	4 ^s	Rge.	22 ^w
		Co.	NORTON	State	Ks
No. of Copies	Reg	Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	3546 - 3635	Initial Str Wt./Lbs.	58000	Unseated Str Wt./Lbs.	58000
Anchor Length	89	Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	70000
Top Packer Depth	3541	Tool Weight	2200		
Bottom Packer Depth	3546	Hole Size 7 7/8"	-	Rubber Size 6 3/4"	-
Total Depth	3635	Wt. Pipe Run	-	Drill Collar Run	-
Mud Wt.	9.2	LCM	-	Vis.	53
		WL	5.6	Drill Pipe Size	4 1/2 x H
Blow Description	IFP - WEAK Blow Thru-out 1/4" To surface Blow				
	FFP - SURFACE Blow, flushed Tool, 1/4" Blow after flush				

Recovery - Total Feet	5	GIP	-	Ft. in DC	-	Ft. in DP	5
Rec.	5	Feet of	Mud	%gas	%oil	%water	%mud
Rec.		Feet of	w/show of oil	%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	95	°F Gravity	-	°API D @	-	°F Corrected Gravity	-
RW	-	@	-	°F	Chlorides	1500	ppm System

AK-1

(A) Initial Hydrostatic Mud	1755	PSI	Recorder No.	6668	Test	✓	700
(B) First Initial Flow Pressure	45	PSI	(depth)	3550	Elec. Rec.	✓	150
(C) First Final Flow Pressure	46	PSI	Recorder No.	11085	Jars		
(D) Initial Shut-In Pressure	140	PSI	(depth)	3632	Safety Jt.		
(E) Second Initial Flow Pressure	46	PSI	Recorder No.	-	Circ Sub		
(F) Second Final Flow Pressure	49	PSI	(depth)	-	Sampler		
(G) Final Shut-In Pressure	-	PSI	Initial Opening	30	Straddle		
(Q) Final Hydrostatic Mud	1741	PSI	Initial Shut-In	30	Ext. Packer		

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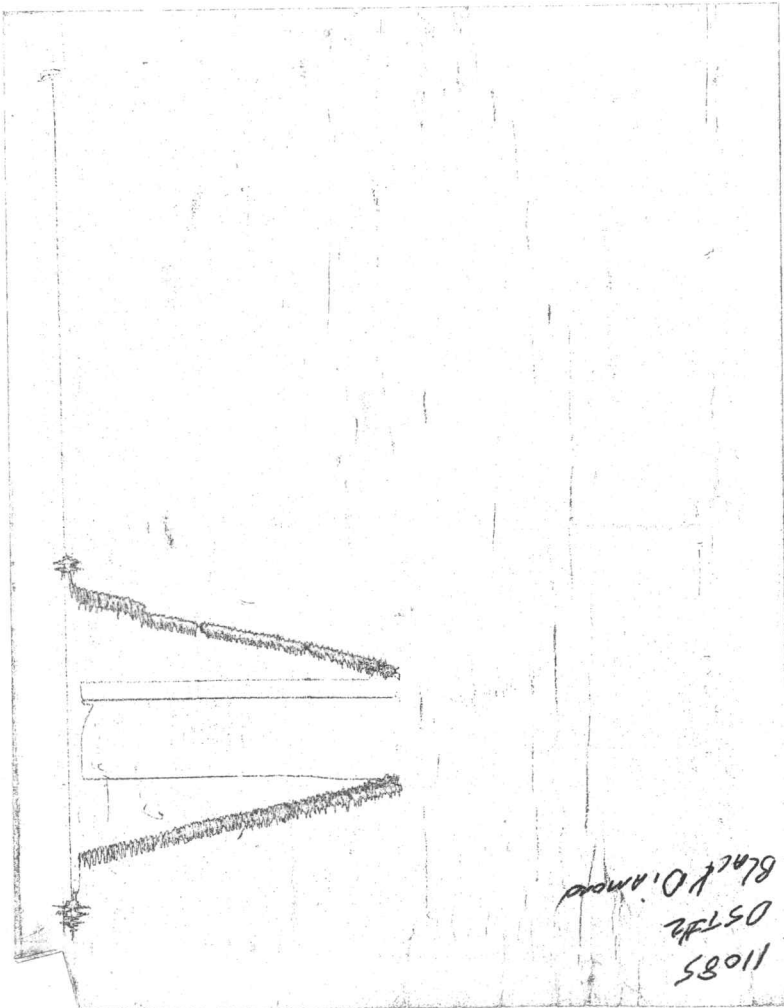
Approved By

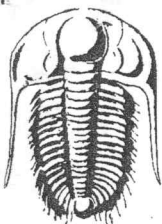
Our Representative Ray Schwager Hankyou

Final Flow	15
Final Shut-In	-
T-On Location	1030
T-Started	1101
T-Open	1250
T-Pulled	1305
T-Out	1531
Shale Packer	46
Mileage	23 one way 39.10
Sub Total:	889.10
Std. By	
Other	
Total:	

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19417

05/03

Test Ticket

Well Name & No.	VAN DIEST #2		Test No.	3	Date	4-11-04
Company	BLACK DIAMOND OIL INC		Zone Tested	Cm/Lsd		
Address	P.O. Box 461 Hays, Ko 67601		Elevation	2269	KB	2261 GL
Co. Rep / Geo.	Ken Gehrig	Cont.	Discovery rig 1	Est. Ft. of Pay	-	Por. - %
Location: Sec.	33	Twp.	45	Rge.	22 ^W	Co. NORTON State KS
No. of Copies	Reg	Distribution Sheet (Y, N)		Turnkey (Y, N)		Evaluation (Y, N)

Interval Tested	3693-3714	Initial Str Wt./Lbs.	58000	Unseated Str Wt./Lbs.	58000
Anchor Length	21	Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	70000
Top Packer Depth	3688	Tool Weight	2200		
Bottom Packer Depth	3693	Hole Size 7 7/8"	-	Rubber Size 6 3/4"	-
Total Depth	3714	Wt. Pipe Run	-	Drill Collar Run	-
Mud Wt.	9.2	LCM	-	Vis.	53
		WL	5.6	Drill Pipe Size	4 1/2 XH
Blow Description	IFP - SURFACE BLOW, died in 12 min				
	FFP				

Recovery - Total Feet	1	GIP	-	Ft. in DC	-	Ft. in DP	1
Rec.	1	Feet of	Mud	%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	98	°F Gravity	-	°API D @	-	°F Corrected Gravity	-
RW	-	@	-	°F	Chlorides	1500	ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1820	PSI	Recorder No.	6668	Test	✓
(B) First Initial Flow Pressure			12	PSI	(depth)	3694	Elec. Rec.	✓
(C) First Final Flow Pressure			13	PSI	Recorder No.	11085	Jars	
(D) Initial Shut-In Pressure			38	PSI	(depth)	3711	Safety Jt.	
(E) Second Initial Flow Pressure			-	PSI	Recorder No.	-	Circ Sub	
(F) Second Final Flow Pressure			-	PSI	(depth)	-	Sampler	
(G) Final Shut-In Pressure			-	PSI	Initial Opening	30	Straddle	
(Q) Final Hydrostatic Mud			1795	PSI	Initial Shut-In	30	Ext. Packer	

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Approved By _____
Our Representative Ray Schwager THANK YOU

Final Flow	
Final Shut-In	
T-On Location	2315
T-Started	2330
T-Open	0140
T-Pulled	0240
T-Out	0434
Mileage	23 one way
Sub Total:	889.10
Std. By	
Other	
Total:	

CHART PAGE

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

