

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
June 2009  
**Form Must Be Typed  
Form must be Signed  
All blanks must be Filled**

**ORIGINAL**

OPERATOR: License # 7076  
Name: Black Diamond Oil, Inc.  
Address 1: P.O. Box 641  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Kenneth Vehige  
Phone: (785) 625-5891  
CONTRACTOR: License # 31548  
Name: Discovery Drilling Co., Inc.  
Wellsite Geologist: Tony Richardson  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well     Re-Entry     Workover

Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>4/7/2011</u>	<u>4/11/2011</u>	<u>4/12/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23,946-00-00

Spot Description: \_\_\_\_\_  
W/2 SE SE NW Sec. 27 Twp. 8 S. R. 19  East  West  
2,310 Feet from  North /  South Line of Section  
2,260 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW

County: Rooks

Lease Name: Stice Well #: 2

Field Name: Webster

Producing Formation: None

Elevation: Ground: 1961 Kelly Bushing: 1969

Total Depth: 3475 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 220.88 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)

Chloride content: 16,000 ppm Fluid volume: 320 bbls

Dewatering method used: Hauled free fluid

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: Black Diamond Oil, Inc.

Lease Name: Vehige #1 (SWD) License #: 7076

Quarter SW/4 Sec. 32 Twp. 6 S. R. 20  East  West

County: Rooks Permit #: D-23,315

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: \_\_\_\_\_  
Title: Pres Date: 4/16/2011

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
A:  I  II  III Approved by: P+A Dlg Date: 7/1/11

Operator Name: Black Diamond Oil, Inc. Lease Name: Stice Well #: 2  
 Sec. 27 Twp. 8 S. R. 19  East  West County: Rooks

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Compensated Density, Dual Induction &amp; Micro</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1397</td> <td>+580</td> </tr> <tr> <td>Topeka</td> <td>2917</td> <td>-940</td> </tr> <tr> <td>Heebner</td> <td>3125</td> <td>-1148</td> </tr> <tr> <td>Lansing KC</td> <td>3164</td> <td>-1187</td> </tr> <tr> <td>Base KC</td> <td>3380</td> <td>-1403</td> </tr> <tr> <td>Arbuckle</td> <td>3411</td> <td>-1434</td> </tr> </table>	Name	Top	Datum	Anhydrite	1397	+580	Topeka	2917	-940	Heebner	3125	-1148	Lansing KC	3164	-1187	Base KC	3380	-1403	Arbuckle	3411	-1434
Name	Top	Datum																				
Anhydrite	1397	+580																				
Topeka	2917	-940																				
Heebner	3125	-1148																				
Lansing KC	3164	-1187																				
Base KC	3380	-1403																				
Arbuckle	3411	-1434																				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	23	220.88	Common	150	2%Gel3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 JUN 20 2011  
 CONSERVATION DIVISION  
 WICHITA, KS

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED CEMENTING CO., LLC. 036468

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*Russell KS*  
6:30 am 7:00 pm

DATE <i>4-7-2011</i>	SEC. <i>27</i>	TWP. <i>8 S</i>	RANGE <i>19W</i>	CALLED OUT	ON LOCATION	JOB START <i>6:30 PM</i>	JOB FINISH <i>2:00 PM</i>
LEASE <i>Stice</i>	WELL # <i>2</i>	LOCATION <i>ZURICH KS 6N 1/2E 1/2S T470</i>			COUNTY <i>Rock's</i>	STATE <i>KANSAS</i>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR *Discovery Delo. Rig #4*

TYPE OF JOB *Cement Surface*

HOLE SIZE *12 1/4* T.D. *221'*

CASING SIZE *8 5/8 New* DEPTH *220'*

TUBING SIZE *23 #CSG* DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *250 #* MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *13.05/BBL*

**EQUIPMENT**

PUMP TRUCK CEMENTER *GARY*

# *398* HELPER *WOODY*

BULK TRUCK

# *410* DRIVER *ROY*

BULK TRUCK

# DRIVER

**REMARKS:**

*ROY 5 new JTS OF 8 5/8 CSG. (23 #)  
Set @ 220', Circulate & Cement  
w/ 150 sk Com 2% Gel, & 3% CC.  
Displaced 13 BBL H<sub>2</sub>O SHUT  
IN @ 250 #  
Cement Did Circulate  
TO SURFACE*

*THANKS!*

**OWNER**

CEMENT

AMOUNT ORDERED *150 sk Com*

*2% GEL*

*3% CC*

COMMON	<i>150</i>	@ <i>16.25</i>	<i>2437.50</i>
POZMIX		@	
GEL	<i>3</i>	@ <i>21.25</i>	<i>63.75</i>
CHLORIDE	<i>5</i>	@ <i>58.20</i>	<i>291.00</i>
ASC		@	

RECEIVED  
CONCRETE REGENERATION COMMISSION  
JUN 20 2011  
CONCRETE REGENERATION DIVISION  
WICHITA, KS

HANDLING	<i>158</i>	@ <i>2.25</i>	<i>355.50</i>
MILEAGE	<i>11.56/mile</i>		<i>799.48</i>
TOTAL			<i>3947.23</i>

**SERVICE**

DEPTH OF JOB			
PUMP TRUCK CHARGE			<i>1125.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>92</i>	@ <i>7.00</i>	<i>644.00</i>
MANIFOLD		@	
	<i>LUH 92</i>	@ <i>4.00</i>	<i>368.00</i>
TOTAL			<i>2137.00</i>

CHARGE TO: *Black Diamond Oil Inc.*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment

	@	
	@	
	@	
	@	

# ALLIED CEMENTING CO., LLC. 039675

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell KS

DATE <u>4-12-2011</u>	SEC <u>27</u>	TWP <u>8</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00pm</u>	JOB FINISH <u>5:30pm</u>
LEASE <u>Stice</u>	WELL # <u>#2</u>		LOCATION <u>ZURICH KS. 7N 34E</u>		COUNTY <u>ROOTS</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Discovery DeLo. Rig #4

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 3475

CASING SIZE 8 5/8 DEPTH 220'

TUBING SIZE DEPTH

~~DRILL~~ PIPE @ 3400' DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 245 SK 60/40 450 GEL  
1/4# F10-Seal Per SK

COMMON	<u>147</u>	@	<u>16.25</u>	<u>2388.75</u>
POZMIX	<u>98</u>	@	<u>8.51</u>	<u>833.00</u>
GEL	<u>8</u>	@	<u>21.25</u>	<u>170.00</u>
CHLORIDE		@		
ASC		@		
<u>F10 Seal 60#</u>		@	<u>2.70</u>	<u>164.70</u>
RECEIVED KANSAS CORPORATION COMMISSION				
JUN 20 2011				
CONSERVATION DIVISION WICHITA, KS				
HANDLING	<u>253</u>	@	<u>2.25</u>	<u>569.25</u>
MILEAGE	<u>111.56/mile</u>			<u>1280.18</u>
TOTAL				<u>5241.18</u>

EQUIPMENT

PUMP TRUCK CEMENTER Gleny

# 398 HELPER Woody

BULK TRUCK

# 481 DRIVER TODD

BULK TRUCK

# DRIVER

REMARKS:

25 SK @ 3400

25 SK @ 1400

100 SK @ 795

40 SK @ 270

10 SK @ 40' wiper plug

30 SK @ Rat Hole

15 SK @ mousehole

THANKS

CHARGE TO: Black Diamond Oil Inc.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>1250.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>92</u>	@	<u>7.00</u>	<u>644.00</u>
MANIFOLD		@		
<u>Light Vehicle 92</u>		@	<u>4.00</u>	<u>368.00</u>
TOTAL				<u>2262.00</u>

PLUG & FLOAT EQUIPMENT

8 5/8 Woodon wiper plug 64.00

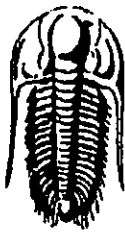
@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Black Diamond Oil Inc

Stice #2

PO Box 641  
Hays, KS 67601

27-8-19 Rooks, KS

Job Ticket: 41868 DST#: 1

ATTN: Tony Richardson

Test Start: 2011.04.10 @ 10:58:52

### GENERAL INFORMATION:

Formation: Toronto - LKC "A"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:46:21

Time Test Ended: 14:59:21

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3122.00 ft (KB) To 3197.00 ft (KB) (TVD)

Reference Elevations: 1978.00 ft (KB)

Total Depth: 3197.00 ft (KB) (TVD)

1970.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 130.07 psig @ 3125.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.10

End Date: 2011.04.10

Last Calib.: 2011.04.10

Start Time: 10:58:52

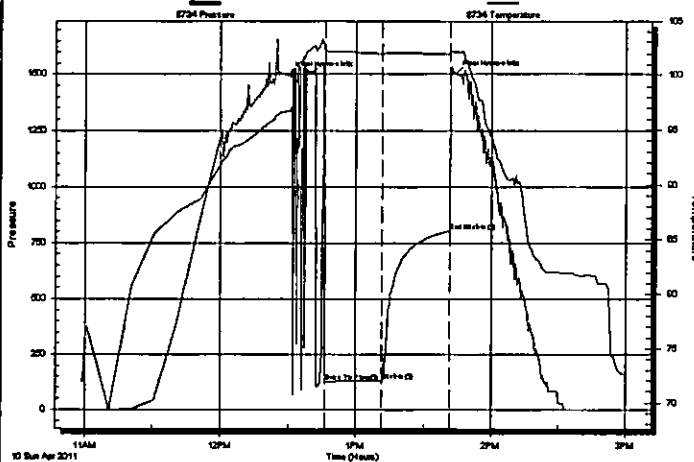
End Time: 14:59:21

Time On Btm: 2011.04.10 @ 12:29:51

Time Off Btm: 2011.04.10 @ 13:43:51

TEST COMMENT: tool slid 30' to bottom - tool opened 6 times to bottom  
IFP - no blow  
SI - no blow back  
TIME - 30-30

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1497.48	96.66	Initial Hydro-static
17	124.26	102.09	Open To Flow (1)
42	130.07	101.99	Shut-In(1)
72	802.16	101.94	End Shut-In(1)
74	1502.81	102.16	Final Hydro-static

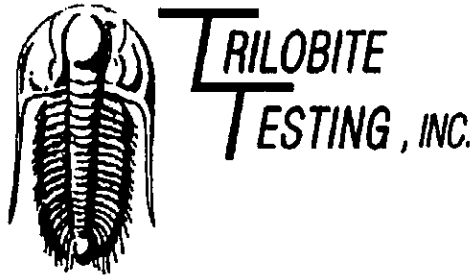
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KANSAS CORPORATION COMMISSION  
JUN 20 2011  
CONSERVATION DIVISION  
WICHITA, KS

### Recovery

Length (ft)	Description	Volume (bbl)
155.00	mud 100%	1.89

### Gas Rates

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



## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays, KS 67601

ATTN: Tony Richardson

**27-8-19 Rooks,KS**

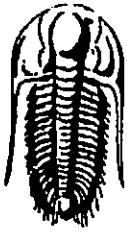
**Stice #2**

Start Date: 2011.04.10 @ 10:58:52

End Date: 2011.04.10 @ 14:59:21

Job Ticket #: 41868                      DST #: 1

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Black Diamond Oil Inc

Stice #2

PO Box 641  
Hays, KS 67601

27-8-19 Rooks, KS

Job Ticket: 41870      DST#: 2

ATTN: Tony Richardson

Test Start: 2011.04.11 @ 05:46:40

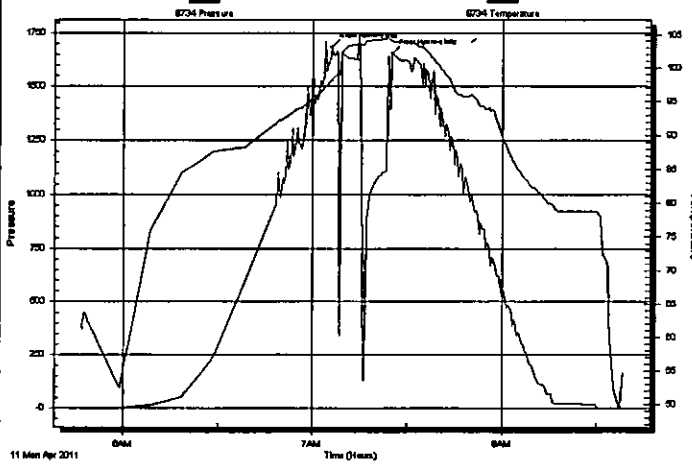
## GENERAL INFORMATION:

Formation: LKC "H-L"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened:  
 Time Test Ended: 08:38:39  
 Interval: 3282.00 ft (KB) To 3389.00 ft (KB) (TVD)  
 Total Depth: 3389.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Brian Fairbank  
 Unit No: 41  
 Reference Elevations: 1978.00 ft (KB)  
 1970.00 ft (CF)  
 KB to GR/CF: 8.00 ft

Serial #: 8734      Outside  
 Press@RunDepth: psig @ 3286.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.04.11      End Date: 2011.04.11      Last Calib.: 2011.04.11  
 Start Time: 05:46:40      End Time: 08:38:39      Time On Btm: 2011.04.11 @ 07:06:09  
 Time Off Btm: 2011.04.11 @ 07:25:09

TEST COMMENT: IFP -  
 ISI - TOOL SLID 20' TO BOTTOM  
 FFP -  
 FSI -

Pressure vs. Time



## PRESSURE SUMMARY

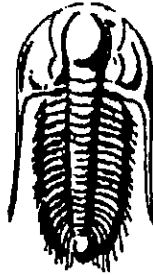
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.41	98.17	Initial Hydro-static
19	1656.29	104.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
115.00	MUD	1.33

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays, KS 67601

ATTN: Tony Richardson

**27-8-19 Rooks,KS**

**Stice #2**

Start Date: 2011.04.11 @ 05:46:40

End Date: 2011.04.11 @ 08:38:39

Job Ticket #: 41870                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Black Diamond Oil Inc

Stice #2

27-8-19 Rooks,KS

DST # 2

LKC "H.L."

2011.04.11





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Black Diamond Oil Inc

Stice #2

PO Box 641  
Hays, KS 67601

27-8-19 Rooks, KS

Job Ticket: 41871

DST#: 3

ATTN: Tony Richardson

Test Start: 2011.04.11 @ 19:32:29

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 22:42:28

Test Type: Conventional Straddle

Tester: Brian Fairbank

Unit No: 41

Interval: 3360.00 ft (KB) To 3424.00 ft (KB) (TVD)

Total Depth: 3473.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1978.00 ft (KB)

1970.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8365

Below (Straddle)

Press@RunDepth: psig @ 3442.00 ft (KB)

Start Date: 2011.04.11

End Date:

2011.04.11

Capacity: 8000.00 psig

Last Calib.: 2011.04.14

Start Time: 19:32:29

End Time:

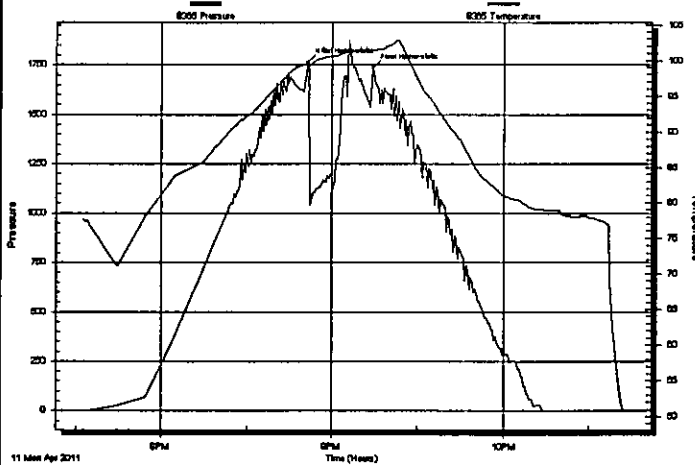
22:42:28

Time On Btm: 2011.04.11 @ 20:51:28

Time Off Btm: 2011.04.11 @ 21:14:28

TEST COMMENT: Tool slid 4' to bottom  
IFP - 5" blow - died 6 min - flush - no blow  
TIME - 10 - flush - 10

Pressure vs. Time



### PRESSURE SUMMARY

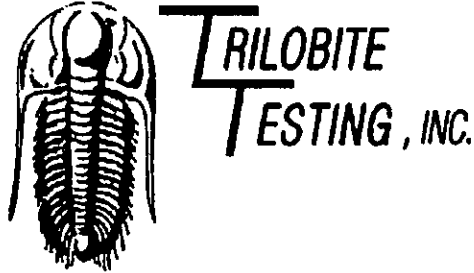
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1766.08	99.46	Initial Hydro-static
23	1735.41	101.41	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
75.00	mud 100%	0.77

### Gas Rates

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



## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays, KS 67601

ATTN: Tony Richardson

**27-8-19 Rooks,KS**

**Stice #2**

Start Date: 2011.04.11 @ 19:32:29

End Date: 2011.04.11 @ 22:42:28

Job Ticket #: 41871                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Black Diamond Oil Inc

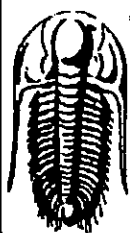
Stice #2

27-8-19 Rooks,KS

DST # 3

Arbuckle

2011.04.11



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Black Diamond Oil Inc

Stice #2

PO Box 641  
Hays, KS 67601

27-8-19 Rooks, KS

Job Ticket: 41872

DST#: 4

ATTN: Tony Richardson

Test Start: 2011.04.12 @ 04:16:24

## GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 05:46:53

Time Test Ended: 09:16:23

Test Type: **Conventional Straddle**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3360.00 ft (KB) To 3424.00 ft (KB) (TVD)**

Reference Elevations: **1978.00 ft (KB)**

Total Depth: **3473.00 ft (KB) (TVD)**

**1970.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **8.00 ft**

Serial #: **8734**

Outside

Press@RunDepth: **978.02 psig @ 3366.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.04.12**

End Date:

**2011.04.12**

Last Calib.: **2011.04.12**

Start Time: **04:16:24**

End Time:

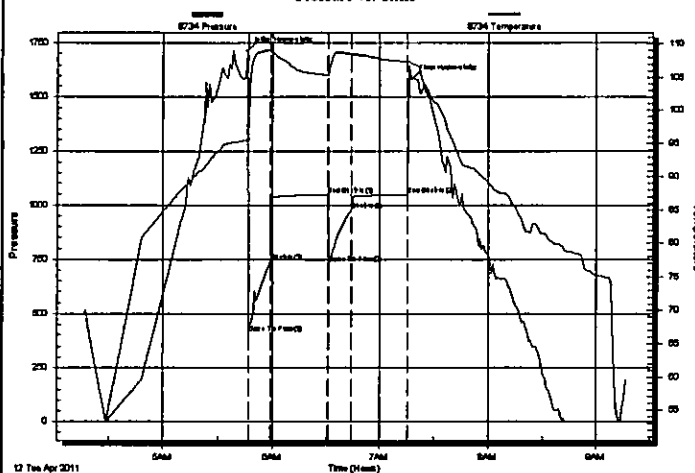
**09:16:23**

Time On Btm: **2011.04.12 @ 05:46:23**

Time Off Btm: **2011.04.12 @ 07:17:53**

TEST COMMENT: IFP - BOB 1 min  
ISI - no blow back  
FFP - BOB 45 sec  
FSI - no blow back

Pressure vs. Time



## PRESSURE SUMMARY

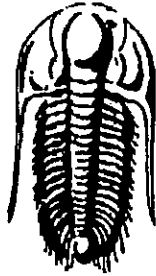
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.29	95.53	Initial Hydro-static
1	409.71	95.70	Open To Flow (1)
13	739.77	109.00	Shut-In(1)
45	1046.82	105.37	End Shut-In(1)
45	729.28	105.32	Open To Flow (2)
58	978.02	108.52	Shut-In(2)
89	1046.76	107.36	End Shut-In(2)
92	1585.93	107.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 95%W, 5%M	1.40
750.00	REVERSED OUT ↺	10.52
555.00	SOCMW 5%O, 80%W, 15%M	7.79
310.00	WM 50% <del>W</del> 50%M	4.35
310.00	MJD 100%	4.35

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays, KS 67601

ATTN: Tony Richardson

**27-8-19 Rooks,KS**

**Stice #2**

Start Date: 2011.04.12 @ 04:16:24

End Date: 2011.04.12 @ 09:16:23

Job Ticket #: 41872                      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Black Diamond Oil Inc

Stice #2

27-8-19 Rooks,KS

DST # 4

Arbuckle

2011.04.12



P.O. Box 763 • Hays, KS 67501

### DAILY MORNING REPORT

OPERATOR Black Diamond Oil, Inc.

LEASE: Stice # 2

RIG # 4

DATE: 8-Apr-11

DEPTH @ 7:00AM 650

PRESENT OPERATIONS: Drilling

DEPTH PREVIOUS @ 7:00AM 0

PROGRESS: 650

MUD VIS. 27 WT. 8.9 W.L. N/C

DOWN TIME: None REASON: \_\_\_\_\_

FUEL 39" OILS 20°C 18°90wt 10°M PRO-PANE 65%

REMARKS: Bit # 2= 3 1/4 Hrs.-Ran 5 Joints New 23# 8 5/8" Casing

DRILLING 7 3/4 Rig Up 3 1/2 Tally 210.88 Set @ 220.88'KB Cement By Allied W/150sks Common

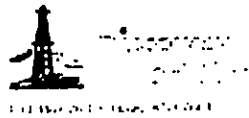
CONN 1 1/2 Rat Hole 1 2%Gel & #5CC(Did Circ) Completed @ 6:45PM 4/7/11

JET \_\_\_\_\_ Rig Ser. \_\_\_\_\_ SPUD 12 1/4" @ 11:30AM 4/7/11-Survey @ 221' (1/4)

8 5/8" 2 1/4 WOC 8 Drilled Plug @ 2:45AM 4/8/11

REPAIRS \_\_\_\_\_

RECEIVED  
KANSAS CORPORATION COMMISSION  
JUN 20 2011  
CONSERVATION DIVISION  
WICHITA, KS



### DAILY MORNING REPORT

OPERATOR Black Diamond Oil, Inc.

LEASE: Stice # 2

RIG # 1

DATE: Saturday, April 09, 2011

DEPTH @ 7:00AM 7472

PRESENT OPERATIONS: Drilling

DEPTH PREVIOUS @ 7:00AM 650

PROGRESS: 1822

MUD VIS. 28 WT. 9.5

W.L. N/C

DOWN TIME: None

REASON: \_\_\_\_\_

FUEL 65

OILS 19°C 18°90m 22°M PRO-PANE 05%

WATER Tank(full) Pit(E)

REMARKS: Bit # 2= 20 3/4 Hrs.

DRILLING 17 1/2 Rig Ser. 3/4

Anhydrite (1397-1428)

CONN 5

JET 3/4

TRIP \_\_\_\_\_

REPAIRS \_\_\_\_\_



DAILY MORNING REPORT

DATE: \_\_\_\_\_

OPERATOR Black Diamond Oil, Inc.

LEASG: Stice # 2

RIG # 4

DATE: Sunday, April 10, 2011

DEPTH @ 7:00AM 3197

PRESENT OPERATIONS: CFS

DEPTH PREVIOUS @ 7:00AM 2472

PROGRESS 725

MUD VIS. 51

WT. 8.9

WL. 8.8

DOWN TIME: None

REASON: \_\_\_\_\_

FUEL 58" \_\_\_\_\_

OILS 19°C 18"00" 22" M PRO-PANE 65%

WATER Tank (full) PR(1/2)

REMARKS: Dr # 2 = 40 1/2 hrs.

DRILLING 19 3/4 Rig Sor. 3/4

CMC = \$ 4,846.65

CONN 1 3/4 MUD 1/4

Displacement Mud @ 2054'

JET 1 1/4 Circ. 1/4

TRIP \_\_\_\_\_

REPAIRS \_\_\_\_\_



**Discovery  
Drilling**

P.O. Box 753 • Hays, KS 67501

**DAILY MORNING REPORT**

OPERATOR Black Diamond Oil, Inc.

LEASE: Stice #2

RIG # 4

DATE: April 11, 2011

DEPTH @ 7:00AM 3389

PRESENT OPERATIONS: DST #2

DEPTH PREVIOUS @ 7:00AM 3197

PROGRESS: 192

MUD VIS. 51

WT. 9.1

W.L. 8.8

DOWN TIME: 1/4 hr

REASON: Mud Pump

FUEL 51"

OILS 19°C 17"90wt 22"M PRO-PANE 65%

WATER Tank(full) Pit (3/4)

REMARKS: Bit #2 = 49 hrs

DRILLING 8 1/2

DST #2 8 3/4

CMC + \$4,848.65

CONN 1/2

WOO 3/4

DST #1 (3122-3197) (75')

Short  
TRIP 1

Circ 4

DST #2 (3282'3389) (107')

REPAIRS \_\_\_\_\_

Pipe Strap @ 3197' (1.27 short)

Survey @ 3197' (10)





P.O. Box 153 - Hays, KS 67601

### DAILY MORNING REPORT

OPERATOR Black Diamond Oil, Inc.

LEASE: Sticce

RIG # 4

DATE: 12-Apr-11

DEPTH @ 7:00AM 3475 RTD

PRESENT OPERATIONS: DST # 4

DEPTH PREVIOUS @ 7:00AM 3389

PROGRESS: 85

MUD VIS. 85 WT. 9.3 W.L. 8.8

DOWN TIME: None REASON: \_\_\_\_\_

FUEL 45' OILS 19°C 17"90m 18"M PRO-PANE 65%

REMARKS: Bit # 2= 551 1/4Hrs.

DRILLING 2 1/4 DST # 2 3 CMC=\$ 5,911.00

CONN 1/4 DST # 3 4 3/4 DST # 2(3282-3389)(107')

JET \_\_\_\_\_ DST # 4 5 1/4 DST # 3(3360-3424)(64)

TT Log 1 1/2 Circ. 3 1/2 DST # 4(3360-3424)(64')

REPAIRS \_\_\_\_\_ Log 3 1/2 LTD= 3469' By Superior



Discovery Drilling

DAILY MORNING REPORT

P.O. Box 753 • Hays, KS 67501

OPERATOR Black Diamond Oil, Inc.

LEASE: Stice #2

RIG # 4

DATE: 13-Apr-11

DEPTH @ 7:00AM 3475 RTD

PRESENT OPERATIONS: Completed

DEPTH PREVIOUS @ 7:00AM 3475

PROGRESS: \_\_\_\_\_

MUD VIS. \_\_\_\_\_ WT. \_\_\_\_\_

W.L. \_\_\_\_\_

DOWN TIME: None

REASON: \_\_\_\_\_

FUEL \_\_\_\_\_

OILS PRO-PANE

WATER \_\_\_\_\_

REMARKS: (1st Plug @ 3400' w/25sks)(2nd Plug @ 1400' w/25sks)

DRILLING \_\_\_\_\_ DST \_\_\_\_\_

(3rd Plug @ 795' w/100sks)(4th Plug @ 270' w/40sks) (5th Plug @

CONN \_\_\_\_\_

40' w/10sks)(30sks In Rat Hole)(15sks In Mouse Hole)(Total 245sks

JET \_\_\_\_\_ RIG SERV \_\_\_\_\_

60/40 POZ 4% Gel w/1/4#CF/SK) By Allied

TRIP \_\_\_\_\_

(Completed @ 5:15PM 4/12/11)

REPAIRS \_\_\_\_\_

State Contact: David Wann