

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

**ORIGINAL**

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

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: Kenneth Vehige  
Purchaser: \_\_\_\_\_

Designate Type of Completion:  
 New Well       Re-Entry       Workover  
 Oil       WSW       SWD       SLOW  
 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 #: \_\_\_\_\_  
8/29/2011      9/2/2011      9/20/2011  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 137-20-577-0000  
Spot Description: \_\_\_\_\_  
NE SW SW NE Sec. 36 Twp. 4 S. R. 21  East  West  
2,130 Feet from  North /  South Line of Section  
2,140 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Norton  
Lease Name: States Ag Well #: 2-36  
Field Name: Pool Ext  
Producing Formation: None  
Elevation: Ground: 2035 Kelly Bushing: 2043  
Total Depth: 3500 Plug Back Total Depth: 1622  
Amount of Surface Pipe Set and Cemented at: 200.95 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 1688  
feet depth to: 335 w/ 225 sx crnt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 16,000 ppm Fluid volume: 320 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R.  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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**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: [Signature]  
Title: Pres Date: 10/19/2011

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: DJG Date: 10/21/11

Operator Name: Black Diamond Oil, Inc. Lease Name: States Ag Well #: 2-36

Sec. 36 Twp. 4 S. R. 21  East  West County: Norton

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Micro, Dual Induction, neutron density, Gamma Ray, Sonic Bond</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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Cedar Hills</td> <td>1105</td> <td></td> </tr> <tr> <td>Anhydrite</td> <td>1636</td> <td></td> </tr> <tr> <td>Heebner</td> <td>3233</td> <td></td> </tr> <tr> <td>Lansing KC</td> <td>3278</td> <td></td> </tr> <tr> <td>Base KC</td> <td>3464</td> <td></td> </tr> <tr> <td>Arbuckle</td> <td></td> <td>Not reached</td> </tr> </table>	Name	Top	Datum	Cedar Hills	1105		Anhydrite	1636		Heebner	3233		Lansing KC	3278		Base KC	3464		Arbuckle		Not reached
Name	Top	Datum																				
Cedar Hills	1105																					
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Heebner	3233																					
Lansing KC	3278																					
Base KC	3464																					
Arbuckle		Not reached																				

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	220.75	Common	150	2%Gel&3%CC
Production St.	7 7/8	4 1/2	10.5	1688.48	QMDC	175	Did circulate

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	330	60/40	70	6% Gel

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
1	1330-1360	None	

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TUBING RECORD:	Size: 2 3/8	Set At: 1325	Packer At: 1325	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. MIT 9/20/2011		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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 1330-60
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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5289

Date	9/3/11	Sec.	36	Twp.	4	Range	21	County	Norton	State	KS	On Location		Finish	12:45 PM
Lease	States Ag	Well No.	2-36		Location		Logan; 3/4W; S+W into								
Contractor	Discovery Drilling Rig #1				Owner		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Long String				Hole Size		2 7/8"		T.D.		3500'				
Csg.	4 1/2" 11-60 #		Depth		1688'		Charge To		Black Diamond Oil, Inc.						
Tbg. Size			Depth				Street								
Tool			Depth				City		State						
Cement Left in Csg.	17'		Shoe Joint		17'		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		26 Bbls.		Cement Amount Ordered		225 sx Q-MDC 4# FloCel						
<b>EQUIPMENT</b>															
Pumptrk	9- No.	Cementer	Paul		Common		225 Q-MDC								
		Helper			Poz. Mix										
Bulktrk	14 No.	Driver	Matt		Gel.										
		Driver			Calcium										
Bulktrk	PV No.	Driver	Doug		Hulls										
		Driver			Salt										
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:															
Rat Hole	30 sx														
Mouse Hole	20 sx														
Centralizers	1, 3														
Baskets	1														
D/V or Port Collar	CFL-117 or CD110 CAF 38														
Est Circ.	1/2 Hour														
Plug Rat / Mouse															
Mix	175 sx														
Displace															
Lead Plug															
Float Held															
Cement Circulated															
<b>FLOAT EQUIPMENT</b>															
Guide Shoe															
Centralizer	2														
Baskets	1														
AFU Inserts															
Float Shoe	1														
Latch Down	1														
Pumptrk Charge	57														
Mileage	57														
Tax															
Discount															
Total Charge															
X Signature <i>Cliff [Signature]</i>															

Thank You!!

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# ALLIED CEMENTING CO., LLC. 035805

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

SERVICE POINT:  
Russell, KS

DATE <u>8-29-11</u>	SEC <u>36</u>	TWP <u>4</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30pm</u>	JOB FINISH <u>7:00pm</u>
LEASE <u>States Ag</u>		WELL# <u>2-36</u>	LOCATION <u>3 1/2 W Logan</u>			COUNTY <u>Norton</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>Sinto</u>				

CONTRACTOR Discovery Drilling #1 OWNER \_\_\_\_\_  
 TYPE OF JOB Surface  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 8 5/8 DEPTH 220.95  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15 ft  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 13.11

CEMENT

AMOUNT ORDERED	<u>160 ccm</u>	
	<u>3% CC 2% GEL</u>	
COMMON	<u>160</u>	@ <u>16.25</u> <u>2600.00</u>
POZMIX		@ _____
GEL	<u>3</u>	@ <u>21.25</u> <u>63.75</u>
CHLORIDE	<u>5</u>	@ <u>58.20</u> <u>291.00</u>
ASC		@ _____
		@ _____
		@ _____
		@ _____
		@ _____
		@ _____
		@ _____
		@ _____
HANDLING	<u>168</u>	@ <u>2.25</u> <u>378.00</u>
MILEAGE	<u>1156/1000</u>	<u>1293.60</u>
		TOTAL <u>4626.35</u>

EQUIPMENT

PUMP TRUCK CEMENTER Heath  
 # 409 HELPER Todd  
 BULK TRUCK  
 # 410 DRIVER Ron  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
Run 5 Joints of 8 5/8 Surface  
pipe  
Est Circulation with Mud pump  
Cement Did Circulate!!  
Thank You

CHARGE TO: Black Diamond Oil Inc  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_  
 SIGNATURE Chiff Mayfield

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>140</u>	@ <u>7.00</u> <u>980.00</u>
MANIFOLD	@	
	@	
<u>Cur</u>	<u>140</u>	@ <u>4.00</u> <u>560.00</u>
		TOTAL <u>2665.00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
		TOTAL _____

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 7291.35  
 DISCOUNT 50/00 IF PAID IN 30 DAYS

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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5338

Date	9-20-11	Sec.	36	Twp.	4	Range	21	County	Norton	State	KS	On Location	Finish	9:30 a.m.
Lease	States Hg	Well No.	2-36		Location		Lagan 3w 5 into							
Contractor	Gaschler				Owner				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Type Job	1"				T.D.				Charge To					
Hole Size	7/8				Depth				Black Diamond					
Csg.	5/2 H/S				Depth				Street					
Tbg. Size	Depth				City				State					
Tool	Depth				City				State					
Cement Left in Csg.	Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line	Displace				Cement Amount Ordered				100 9/40 labeled					

**EQUIPMENT**

Pumptrk	9	No.	Cement Helper	Craig	Common	42
Bulktrk		No.	Driver	Matt	Poz. Mix	28
Bulktrk	10	No.	Driver	Brian	Gel.	3

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
1 set @ 330' Best Circulation.	CFL-117 or CD110 CAF 38
Mix 70% Cement Circulated.	Sand
Displaced 143L.	Handling 100
	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	<b>RECEIVED</b>
Centralizer	<b>OCT 20 2011</b>
Baskets	<b>KCC WICHITA</b>
AFU Inserts	
Float Shoe	
Latch Down	

<p style="font-size: 2em; font-family: cursive;">Thanks!</p>	Pumptrk Charge	Circulation Cement
	Mileage	57
		Tax
		Discount
		Total Charge

X Signature

DAILY DRILLING REPORT  
 Available 43-5  
 1000-331-7201

CONTRACTOR  
**Discovery Drilling Co INC.**

DATE  
**8-29-11**  
 WELL NO  
**2-36**  
 HOLE NO  
**1**

COMPANY  
**Black Diamond**  
 LEASE  
**States Ag**  
 DISTRICT  
**Norton**  
 COUNTY  
**Norton**  
 STATE  
**KS**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						Kenny James	8
						Mike Boller	8
						Casey James	8
						Terry James	8

BIT AND CORNHREAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO		WEIGHT		DRILLING		WELL D.P.	
SIZE		VISC		CORING		WELL C.C.L.	
MARK		WTR LOSS C.T.		STICK		WELL U.P.	
SERIAL NO.		FILTR C.A.R.		TRIP		WELL DOWN	
DEPTH IN		PH				COLLARS	
HOURS RUN		MTL ADDED (REMARKS)				TOTAL	

REMARKS **700-300 Help setting rig up pump yard water**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
20	20	Shale PostRock	170	ALL	600	Larry Mlinak	8
						Justin Bunting	8
						Andrew Benedict	8
						Sybil Prouse	8

BIT AND CORNHREAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	1287	WEIGHT		DRILLING	1/2	WELL D.P.	
SIZE	WAD17	VISC		CORING		WELL C.C.L.	
MARK		WTR LOSS C.T.		STICK		WELL U.P.	
SERIAL NO.	1287	FILTR C.A.R.		TRIP		WELL DOWN	
DEPTH IN	0	PH				COLLARS	
HOURS RUN	1/2	MTL ADDED (REMARKS)				TOTAL	

REMARKS **7:00 to 11:00 Load Rig Out + more 11:00 to 1:15 Rig up 1:15 to 2:30 Dr. 11 Flat Hole 2:30 to 3:00 DLH**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
20	221	Post Rock - shale - clay	120	ALL	600	CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
						STAN LOVELADY	8

BIT AND CORNHREAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	1	WEIGHT		DRILLING	2 1/2	WELL D.P.	
SIZE	12 1/4	VISC		CORING		WELL C.C.L.	
MARK	WA 417	WTR LOSS C.T.		STICK		WELL U.P.	
SERIAL NO.	12821	FILTR C.A.R.		TRIP		WELL DOWN	
DEPTH IN	0	PH				COLLARS	
HOURS RUN	2 1/2	MTL ADDED (REMARKS)				TOTAL	

REMARKS **3:00 - 5:45 Del. Surface Hole 5:45 - 6:00 Circ. Collar @ 221 6:00 - 6:30 Trip pur. w/br - Run 8 1/2 csg. 6:30 - 6:45 Circ. 8 1/2 csg. 6:45 - 7:00 Cnt. 8 1/2 csg. 7:00 - 11:00 WDC Replace pony rod - piston rod + head Bull wheel side - Cur Delg Line**

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DAILY DRILLING REPORT  
 KODAK 43-5  
 COMPANY  
 Black diamond oil INC.  
 DISTRICT

CONTRACTOR  
**Discovery Drilling Co. INC.**  
 LEASE  
**STATES AG**  
 COUNTY  
**NORTON**  
 STATE  
**KS**

DATE  
**8-30-11**  
 WELL NO  
**2-36**  
 HOLE NO  
**1**  
 D.P. SIGNING NO  
 WELL

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS
221	487	sand & shale	90	15000 30000	600	Kenny James	8
						Mike Bolter	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
WELL OFF						(104) Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NUM NO	2	WEIGHT		DRILLING	3 1/4	SIZE D.P.	
SIZE	7 7/8	WISC		CONING CONN	3 1/4	SIZE COLL	
MAKE	GX20C	WITH LOSS C.C.		UT WOC	4	ITS D.P.	
SERIAL NO	5191805	FILTER CAKE		REPAIRS		REEL DOWN	
DEPTH IN	221	PH		TRIP		COLLARS	
HOURS RUN	3 1/2	MTL. ADDED (REMARKS)				TOTAL	

REMARKS 11:02 300 WOC @ 221 300-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS
487	1366	Sand & Shale	90	30000	700	Larry Mlinck	8
						Justin Bunting	8
						Andrew Bernard	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
WELL OFF		2 in Frac				(114) Sg/People	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NUM NO	2	WEIGHT	8.7	DRILLING	5	SIZE D.P.	Gel 50
SIZE	7 7/8	WISC		CON	2 1/4	SIZE COLL	CAST-2
MAKE	5191805	WITH LOSS C.C.		CON	2 1/4	ITS D.P.	LIG-2
SERIAL NO	221	FILTER CAKE		REPAIRS		REEL DOWN	SLASH-4
DEPTH IN	0	PH		TRIP		COLLARS	DRIP-2 3/4
HOURS RUN	8 1/2	MTL. ADDED (REMARKS)		JET	1/2	TOTAL	HULLS-8

REMARKS: 7:00 TO 7:15 S.C.P. 19.5 2502, 7:16 TO 10:00 D.L. 11, 10:00 TO 10:15 JET #1 @ 815, 10:15 TO 1:15 D.L. 11, 1:15 TO 1:30 JET #1 @ 1159, 1:30 TO 3:00 D.L. 11

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS
1366	1638	SAND + SHALE	90	30,000	700	CHUCK DICK	8
1638	1670	ANHYDRITE	80	35,000	700	GEORGE LOVELADY	8
1670	1905	SHALE	90	35,000	700	RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
WELL OFF		4-in frac				(104) STAN LOVELADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
NUM NO	2	WEIGHT		DRILLING	5 3/4	SIZE D.P.	Gel-50
SIZE	7 7/8	WISC		CON	1 1/2	SIZE COLL	S. ASH-4
MAKE	GX20C	WITH LOSS C.C.		Rigv	1 1/2	ITS D.P.	Cast-2
SERIAL NO	5191805	FILTER CAKE		REPAIRS		REEL DOWN	LIG-2
DEPTH IN	221	PH		TRIP		COLLARS	DRIP-2 3/4
HOURS RUN	14	MTL. ADDED (REMARKS)		JET	1/2	TOTAL	HULLS-8

REMARKS: 3:00-3:15 D.L. 19, 3:15-3:30 Rigv @ 1410 3:30-3:45 D.L. 19, 3:45-4:00 JET #1 @ 1441  
 4:00-7:30 D.L. 19, 7:30-7:45 JET #1 @ 1723 7:45-11:00 D.L. 19

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DAILY DRILLING REPORT  
 Form DR-43-5 (REV. 12/18/04 OK 7/10/11)  
 (603-387-7200)

CONTRACTOR: **Discovery Drilling Co. Inc.** DATE: **Wed. 8-31-11**  
 COMPANY: **Blackdiamond Oil, Inc.** LEASE: **STATES AG** WELL NO: **2-36** HOLE NO: **1**  
 DISTRICT: **NORTON** COUNTY: **Ks** STATE: **Ks** D.M. STRING NO: **1** SIZE: **8**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS.		NAME	HOB
1905	2296	Shale	80	35000	700	DM	Kenny Jones	8
						EM	Mike Boller	8
						"	Casey Jones	8
						"		
SLOPE TEST		ACCIDENT: - (GIVE NAME)						
U	P							
LOG OFF		FRAC Fill 1 for #2				1049 Terry Jones		8

REMARKS: 1100-1156 @ 1912 VAC-1116 1215 Drill 1215-1230 @ 1976 Jet #1 1230-430 Drill 430-445 @ 2196 Jet #2 445-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS.		NAME	HOB
2296	2458	Shale	80	11000	750	DM	Larry Milnek	8
						EM	Justin Bartins	8
						H	Andrew Bondick	8
						"		
SLOPE TEST		ACCIDENT: - (GIVE NAME)						
U	P							
LOG OFF						1049 Sg/Rome		8

BIT AND COREHEAD RECORD			MUD RECORD			TIME RECORD			DRILL STEM RECORD		
RUN NO.	SIZE	MAKE	WEIGHT	VISC.	DRILLING	SIZE I.P.	SIZE COL.	JTS U.P.	CELL DOWN	COLLARS	TOTAL
2	7 7/8	GX20C	9.5		6 3/4	6 3/4					50
5191805											
221											
202m											

REMARKS: 7:00 to 7:30 Drill, 7:30 to 7:45 Sol. B. @ 2332, 7:45 to 9:45 DG. V. 9:45 to 10:00 Jet #1 @ 2418, 10:00 to 1:30 Drill, 1:30 to 1:45 Jet #1 @ 2606, 1:45 to 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS.		NAME	HOB
2658	2905	SHALE	80	40,000	750	DM	CHUCK DEK	8
						EM	GEORGE LOVELADY	8
						H	RYAN LOVELADY	8
						"		
SLOPE TEST		ACCIDENT: - (GIVE NAME)						
U	P							
LOG OFF		7:15 PM Delq. Mud Displced @ 2790				1049 STAN LOVELADY		8

BIT AND COREHEAD RECORD			MUD RECORD			TIME RECORD			DRILL STEM RECORD		
RUN NO.	SIZE	MAKE	WEIGHT	VISC.	DRILLING	SIZE I.P.	SIZE COL.	JTS U.P.	CELL DOWN	COLLARS	TOTAL
2	7 7/8	GX20C			6 3/4	6 3/4					25
5191805											
221											
32 1/2											

REMARKS: 3:00-3:15 Jet #2 @ 2668 - Block out F/mud. 3:15-4:00 Delq. 4:00-4:15 Riqv @ 2700 4:15-6:15 Delq. 6:15-6:45 Clean out Swab pit @ 2776 6:45-7:15 Delq. 7:15-7:30 Delq. Mud Displced @ 2790 Jet #1 7:30-11:00 Delq.

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DAILY DRILLING REPORT  
 Form 43-5 (REV. 10-1-72)

CONTRACTOR  
**Discovery Drilling Co. Inc.**

DATE  
**9-1-11**  
 WELL NO  
**2-36**  
 HIG NO  
**1**

COMPANY  
**Black Diamond Oil Inc.**

LEASE  
**STATES AG**

DISTRICT  
**NORTON**  
 COUNTY  
**KS**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS	NAME	HRS.
2905	3117	shale & lime	80	40000	800	Chad Mayfield	8
						Mike Boller	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
						(104) Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	8.8	DRILLING	7 1/2	SIZE U.P.	
SIZE	7 3/8	VISC.	60	CONING	CONN 1/2	SIZE COLL	
MAKE	GX200	WTR LOSS-C.C		OTHER	VBG 1/4	SIZE U.P.	
SERIAL NO	5191805	FILTER LANE		REPAIRS		NETT DOWN	
DEPTH IN	221	PH		TRIP		COLLARS	
HOURS RUN	39 1/2	MTL ADDED (REMARKS)				TOTAL	

REMARKS: 1100-1130 Drill 1130-1145 @ 29224 RIG 1145-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS	NAME	HRS.
3117	3310	Shale + lime	80	40000	800	Larry Mlinck	8
						Justin Banting	8
						Andrew Benedick	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
						(104) Sgt Pome	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	8.9	DRILLING	7 1/2	SIZE U.P.	GEL 15
SIZE	7 3/8	VISC.	72	CONING	CONN 1/2	SIZE COLL	CAUST
MAKE	GX200	WTR LOSS-C.C	76	OTHER	✓ 1/2	SIZE U.P.	LIG-1
SERIAL NO	5191805	FILTER LANE	37	REPAIRS		NETT DOWN	FLASH-1
DEPTH IN	221	PH	110	TRIP		COLLARS	HULLS-3
HOURS RUN	47	MTL ADDED (REMARKS)				TOTAL	

REMARKS: 7:00 TO 7:30 Drill 7:30 TO 7:45 Set Rig @ 3117-7:45 TO 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS	NAME	HRS.
3310	3342	SHALE + LIME	80	40,000	800	CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
						(104) STAN LOVELADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	8.9	DRILLING	1 1/2	SIZE U.P.	
SIZE	7 3/8	VISC.	62	CONING	CONN	SIZE COLL	
MAKE	GX200	WTR LOSS-C.C		OTHER	Rig 1/4	SIZE U.P.	
SERIAL NO	5191805	FILTER LANE		REPAIRS	CPS/CAST 2	NETT DOWN	
DEPTH IN	221	PH		TRIP	SHORT TRIP 2 1/4	COLLARS	
HOURS RUN	48 1/2	MTL ADDED (REMARKS)			DST #1 2	TOTAL	

REMARKS: 3:00-3:45 DR19. 3:45-4:00 RIG @ 3330 4:00-4:45 DR19. 4:45-5:45 CPS @ 3342 5:45-8:00 SHORT TRIP 36 STANDS 8:00-9:00 CAST 9:00-10:15 TRIP OUT W/ BIT 10:15-10:45 MAKE UP TDS + ANNULUS 10:45-11:00 TRIP IN W/ TDS

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DAILY DRILLING REPORT  
 43-5  
 COMPANY  
**Blackdiamond OIL INC**  
 DISTRICT

CONTRACTOR  
**Discovery Drilling Co. Inc.**  
 STATE  
**STATES AG**  
 COUNTY  
**NOXTON**  
 STATE  
**KS**

DATE  
**9-2-11**  
 WELL NO  
**2-36**  
 U P STRING NO  
**1**  
 HIG NO  
**1**  
 SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PMS	NAME	HRS
3342	3373	LIME	80	40000	800	Chad Mayfield	8
						mike Bolter	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: (GIVE NAME)		DST#1 3331-3342 11' AND ON			
DEG OFF		30-20 - Flush Rec 10' mud		(104) Terry Jones			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.2	DRILLING	2	SIZE D P	
SIZE	7 1/2 R	VIEW	59	CONING		SIZE LOLL	
MAKE	6x20C	WTR LOSS C C		OTHER	DST#1 5 1/2	1 1/2 U P	P1
SERIAL NO	5191805	FILTER CASE		REPAIRS		RELL DOWN	P2
DEPTH IN	221	PH		TRIP		COLLARS	P3
HOURS MIN	50 1/2	MTL ADDED (REMARKS)			3 1/2	TOTAL	P4

REMARKS: 1100-1200 IN W/ TOOL 1200-1000 TO B. 150-230 U P W/ 700L 230-245 LAY TOOL DOWN  
 245-430 IN W/ BIT 430-515 DRILL 5 1/2 - 5 1/2 G. 3358 CFS 545-700 DRILL

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PMS	NAME	HRS
3373	3437	Shale + Lime	80	40000	900	Larry Mlinek	8
						Justin Boatman	8
						Andrew Bendick	8
SLOPE TEST		ACCIDENT: (GIVE NAME)		DST#2 3407-3437			
DEG OFF		30-30		(114) Sgt Rowe			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	3	WEIGHT	9.2	DRILLING	3	SIZE D P	
SIZE	7 1/2 RB	VIEW	59	CONING		SIZE LOLL	
MAKE	6x20C	WTR LOSS C C	8.0	OTHER	1 1/2	1 1/2 U P	P1
SERIAL NO	5191805	FILTER CASE		REPAIRS		RELL DOWN	P2
DEPTH IN	221	PH		TRIP	DST#2 3 1/2	COLLARS	P3
HOURS MIN	53 1/2	MTL ADDED (REMARKS)			1	TOTAL	P4

REMARKS: 7:00 TO 7:15 Drill, 7:45 TO 8:00 Set Rig @ 3393. 8:00 TO 10:30 Drill, 10:30 TO 11:30 CFS  
 @ 3437 11:30 TO 12:15 CFS / DST#2 Pickup Tool + Trip in 2:15 TO 3:00 O.B.W./Tool

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PMS	NAME	HRS
3437	3500	SHALE + LIME	80	40,000	800	CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: (GIVE NAME)		DST#2 REC-65' OIL SPOKED MUD			
DEG OFF		30-30		(104) STAN LOVELADY			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.2	DRILLING	2 3/4	SIZE D P	
SIZE	7 1/2 REC	VIEW	59	CONING	1/4	SIZE LOLL	
MAKE	6x20C	WTR LOSS C C		OTHER	CFS	1 1/2 U P	P1
SERIAL NO	5191805	FILTER CASE		REPAIRS		RELL DOWN	P2
DEPTH IN	221	PH		TRIP	OUT F/LD 3/4	COLLARS	P3
HOURS MIN	56 1/4	MTL ADDED (REMARKS)			DST#2 3 1/4	TOTAL	P4

REMARKS: 3:00-3:15 O.B.W./DST#2 3:15-4:30 Trip out w/Tool 4:30-5:00 Break, Lay Down Tool + Anchor  
 5:00-6:15 Trip in w/Bit 6:15-9:15 Delg. 9:15-10:15 CFS @ 3500 - RTD 10:15-11:00 Trip out w/Bit F/LD

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DAILY DRILLING REPORT  
 WICHITA 43-5 (200) 331-7200

CONTRACTOR  
**Discovery Drilling Co. Inc**

DATE  
**Sat. 9-3-11**

COMPANY  
**Black diamond oil inc.**

LEASE  
**STATES AG**

WELL NO  
**2-36**

DISTRICT  
**NORTON**

COUNTY  
**KS**

D.P. STRING NO.  
**1**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS	NAME	HRS.
	3500	R7D				* Chad Mayfield	8
	3488	LTD				Mike Belter	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
0	FT.						
DRL OFF		(8 HRS LAMPAK)		(104)		Tevvy Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT		DRILLING	4 1/2	SIZE D R	
SIZE	2 3/8	WISC		COILING		SIZE COLL	
MAKE	G20C	WTH LOSS L.C		OTHER		JOB D.P.	FT.
SERIAL NO	5191805	FILTER CARK		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP	2 3/4	COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)		CIRC	3/4	TOTAL	FT.

REMARKS: 1100-1200 OUT OF BIT 1200-445 LOSS/SLIP 445-630 IN BIT  
 630-700 CT LDRY/SLIP DELAY

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS	NAME	HRS.
	3500				800	* Chuck Dick	8
						Justin Bunting	8
						Andrew Benedick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
0	FT.	(6 1/4 HRS LAMPAK)					
DRL OFF		JOB COMPLETE @ 12:45 P.M.					
		R.G. RELEASED @ 1:15 P.M. 9/3/11				Sy/Bome	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT		DRILLING	3 1/4	SIZE D R	
SIZE	2 3/8	WISC		COILING	2 1/4	SIZE COLL	
MAKE	G120C	WTH LOSS L.C		OTHER	3	JOB D.P.	FT.
SERIAL NO	5191805	FILTER CARK		REPAIRS	3 1/4	KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP	4 1/2	COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)		CEMENT	3/4	TOTAL	FT.

REMARKS: 7:00 TO 7:15 CAL. 7:15 TO 10:15 Laydown pipe 10' - 11' CHANGE OVER 11' TO 11:55  
 RUN 11' 12' 1200 CR-42" 12' 1245 LAMPAK 12' 1245 1' SET SLIP 1' 3' 00  
 TEAR DOWN.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRESS	NAME	HRS.
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
0	FT.						
DRL OFF							

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO		WEIGHT		DRILLING		SIZE D R	
SIZE		WISC		COILING		SIZE COLL	
MAKE		WTH LOSS L.C		OTHER		JOB D.P.	FT.
SERIAL NO		FILTER CARK		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS:

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# Kenneth Vehige

Petroleum Geologist

1105 E. 30th

(913) 625-5891

Hays, Kansas 67801

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Black Diamond Oil Inc  
 LEASE States Ag 2-36  
 FIELD \_\_\_\_\_  
 LOCATION 2205 FNL, 2215 FEL  
 SEC. 36 TWSP. 4 RNG. 21W  
 COUNTY Norton STATE Ks  
 CONTRACTOR Wisconery Dale Bil  
 SPUD 8/27/11 COMP. 9/2/11  
 RID 3500 LTD 3488  
 MUD UP 2800 TYPE MUD Shearwater

ELEVATIONS  
 K.B. 2043  
 D.F. \_\_\_\_\_  
 G.L. 2035  
 Measurements Are All  
 From KB

CASING  
 SURFACE 8 5/8 220  
 PRODUCTION 4 1/2 1688

ELECTRICAL SURVEYS  
 CDL, CNL, MEL

### FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION		
				A	B	C
<u>Anhydrite</u>	<u>1638</u>	<u>1636</u>	<u>+407</u>	<u>+403</u>		
<u>Basic Anhydrite</u>	<u>1670</u>	<u>1668</u>	<u>+375</u>	<u>+377</u>		
<u>Tarpska</u>	<u>3040</u>	<u>3041</u>	<u>-998</u>	<u>-985</u>		
<u>Haskuba</u>	<u>3234</u>	<u>3233</u>	<u>-1190</u>	<u>-1183</u>		
<u>Tamonto</u>	<u>3260</u>	<u>3260</u>	<u>-1217</u>	<u>-1210</u>		
<u>Lansing KC</u>	<u>3277</u>	<u>3277</u>	<u>-1234</u>	<u>-1226</u>		
<u>Basic KC</u>	<u>3468</u>	<u>3467</u>	<u>-1424</u>	<u>-1416</u>		
<u>Arbuckle</u>	<u>NR</u>	<u>-</u>	<u>-</u>	<u>-1476</u>		
<u>TD</u>	<u>3500</u>	<u>-</u>	<u>-1457</u>	<u>-1518</u>		

REFERENCE WELLS FOR STRUCTURE

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### RECOMMENDATIONS AND REMARKS

FORMATION	PERFORATE INTERVAL	LOG ANALYSIS		TREATMENT & REMARKS
		% POR	% SW	

3000

3100

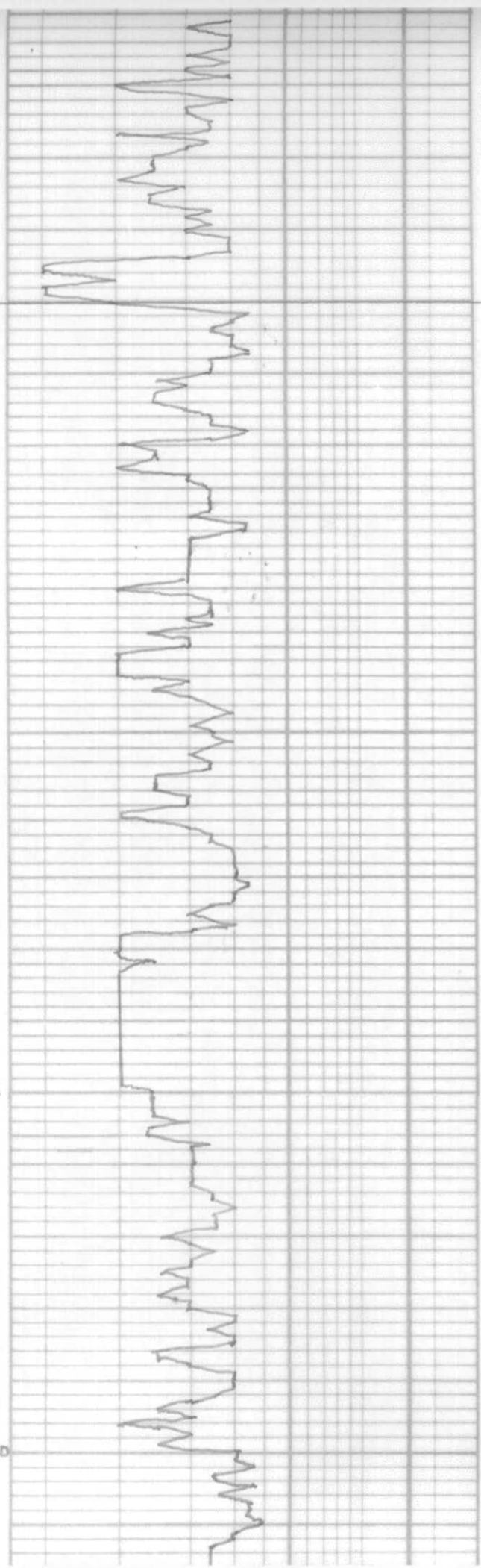
50

3200

Торекка 3040  
-997

sh black

hcn sm 5% in sh'ally NS  
poor p



3260  
50  
300  
50  
400

nm. cm. s. l. n. r. s. l. n. g. NS  
poor f

Hebner 3234  
-1171

sh blk  
lm tan s. l. n.  
sh red & grey

Toronto 3260  
-1217

lm wht to cm s. l. n.  
sly foss fair veg f NS

Lansing-KC 3277  
-1234

lm wht - cm s. l. n.

lm cm s. l. n. foss  
tr veg f NS

lm cm s. l. n. cherty  
spt veg f barren to tr str

DST #1  
3331-42  
30-30-10-0  
Roc 10' Mud  
IF: 45-51  
ISL: 632  
FF: 42-  
PST: NT

① lm calcic fair inter calcic f  
spt str - s. a. t. sh. SFD

lm wht - cm s. l. n.  
spt veg & cherty f spt sh str  
wh sh. S/SFD

lm - cm - tan s. l. n. d. case  
Δ - wht - grey sharp

sh blk  
sh red. f grey

lm cm s. l. n. fossil f  
spt veg f NS

lm cm s. l. n.  
sly cherty

DST #2  
3402-37

GF8@42

GF3@58

3400

Lm com fxl fossil NS  
spt vug f

Lm com fxl  
sly cherty

NST #2  
3402-37  
30-30-0-0  
60' OI/ spt  
mud  
IF: 53-53  
ISI: 148

2

Lm com fxl calcitic  
sly fossil spt good vug  
sh str fair okan  
good SEB

Lm com fxl sly fossil  
spt fair vug spt str  
okan SEB

- CFSB 37

50

Lm com fxl fossil  
sly cherty

Lm tan-crm fxl

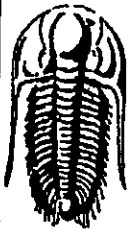
Base KC 3468  
-1425

Sh red  
sly sandy

Lm tan fxl calcitic

3500

RTD



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

States Ag #2-36

PO Box 641  
Hays KS 67601

36-4-21, Norton, KS

Job Ticket: 44602

DST#: 1

ATTN: Kenneth Vehige

Test Start: 2011.09.01 @ 21:20:10

### GENERAL INFORMATION:

Formation: KC "A"  
 Deviated: No Whipstock ft (KB)  
 Time Tool Opened: 00:02:10  
 Time Test Ended: 02:31:10

Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 47

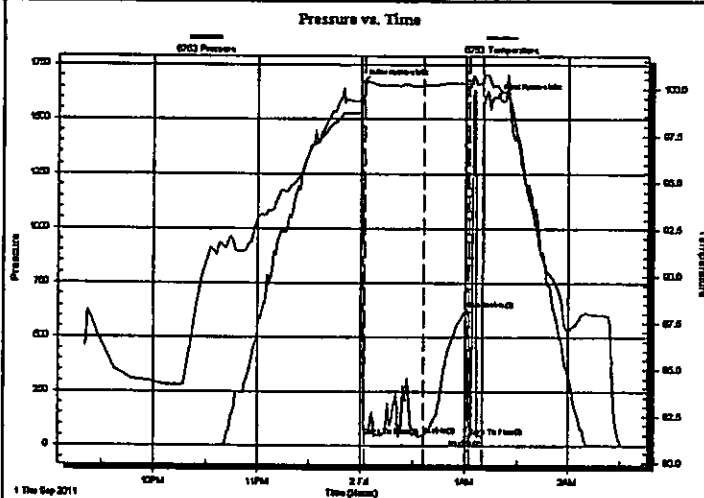
Interval: 3331.00 ft (KB) To 3342.00 ft (KB) (TVD)  
 Total Depth: 3342.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2057.00 ft (KB)  
 2049.00 ft (CF)  
 KB to GR/CF: 8.00 ft

Serial #: 6753 Inside  
 Press@RunDepth: 51.65 psig @ 3332.00 ft (KB)  
 Start Date: 2011.09.01 End Date: 2011.09.02  
 Start Time: 21:20:15 End Time: 02:31:09

Capacity: 8000.00 psig  
 Last Calib.: 2011.09.02  
 Time On Btm: 2011.09.02 @ 00:00:40  
 Time Off Btm: 2011.09.02 @ 01:17:40

TEST COMMENT: IF-weak surface blow died in 4.5 min  
 IS-No blow  
 FF-No blow flushtool No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1667.10	99.27	Initial Hydro-static
2	45.79	100.19	Open To Flow (1)
36	51.65	100.19	Shut-In(1)
61	631.92	100.31	End Shut-In(1)
62	48.19	100.13	Open To Flow (2)
70	31.95	100.33	Shut-In(2)
77	1597.53	100.21	Final Hydro-static

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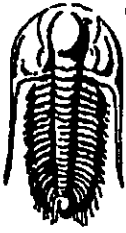
### Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

States Ag #2-36

PO Box 641  
Hays KS 67601

36-4-21, Norton, KS

Job Ticket: 44603

DST#: 2

ATTN: Kenneth Vehige

Test Start: 2011.09.02 @ 12:20:01

### GENERAL INFORMATION:

Formation: KC

Deviated: No Whipstock ft (KB)

Time Tool Opened: 14:16:31

Time Test Ended: 16:35:01

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: 3402.00 ft (KB) To 3437.00 ft (KB) (TVD)

Reference Elevations: 2057.00 ft (KB)

Total Depth: 3437.00 ft (KB) (TVD)

2049.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 52.71 psig @ 3403.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.02

End Date:

2011.09.02

Last Calib.:

2011.09.02

Start Time: 12:20:06

End Time:

16:35:01

Time On Btm:

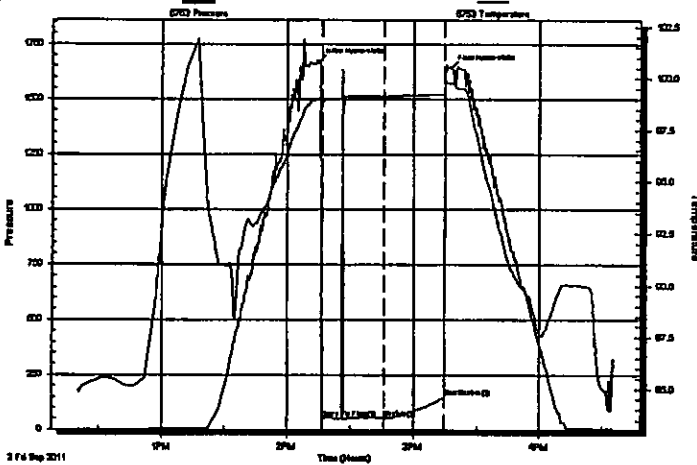
2011.09.02 @ 14:14:31

Time Off Btm:

2011.09.02 @ 15:17:31

TEST COMMENT: IF-No blow flush tool surge No blow  
IS-No blow

Pressure vs. Time



### PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.86	99.02	Initial Hydro-static
2	53.50	98.72	Open To Flow (1)
32	52.71	99.13	Shut-In(1)
60	147.97	99.24	End Shut-In(1)
63	1639.25	99.79	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil spotted mud	0.57

### Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)