

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 7076
Name: Black Diamond Oil, Inc.
Address 1: PO Box 641
Address 2: _____
City: Hays State: KS Zip: 67601 + _____
Contact Person: Kenneth Vehige
Phone: (785) 625-5891
CONTRACTOR: License # 33575
Name: WW Drilling
Wellsite Geologist: Tony Richardson
Purchaser: _____

Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover _____
 Oil _____ SWD _____ SIOW _____
_____ Gas _____ ENHR _____ SIGW _____
_____ CM (Coal Bed Methane) _____ Temp. Abd. _____
_____ Dry _____ Other _____
(Core, WSW, Expl., Cathodic, 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 _____
_____ Plug Back: _____ Plug Back Total Depth _____
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
6/28/2010 7/02/2010 7/28/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 163-23878 -0000
Spot Description: _____
SE SW NW
SW S/2 N/2 NW Sec. 9 Twp. 7 S. R. 20 East West
1050 Feet from North / South Line of Section
1200 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Roy/Gager Well #: 2
Field Name: NA Docket #NP120905
Producing Formation: Lansing KC
Elevation: Ground: 2154 Kelly Bushing: 2159
Total Depth: 3690 Plug Back Total Depth: 3655
Amount of Surface Pipe Set and Cemented at: 221 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 3689
feet depth to: Surface w/ 470 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 3500 ppm Fluid volume: 400 bbls
Dewatering method used: Air Dry - Backfill
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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.

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: President Date: 10/7/2010
Subscribed and sworn to before me this 7th day of October,
20 10.

Notary Public: [Signature]
Date Commission Expires: 5/2/2011
MELISSA L. WINDHOLZ
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 5/2/2011

KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

UIC Distribution
Alt 2-Dlg - 10/14/10
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Operator Name: Black Diamond Oil, Inc. Lease Name: Roy/Gager Well #: 2
 Sec. 9 Twp. 7 S. R. 20 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 copy of all Electric Wireline 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 <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction, Micro, Neutron Density	<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>1736</td> <td>+423</td> </tr> <tr> <td>Topeka</td> <td>3143</td> <td>-989</td> </tr> <tr> <td>Heebner</td> <td>3347</td> <td>-1188</td> </tr> <tr> <td>Lansing KC</td> <td>3384</td> <td>-1225</td> </tr> <tr> <td>Arbuckle</td> <td>3616</td> <td>-1462</td> </tr> </table>	Name	Top	Datum	Anhydrite	1736	+423	Topeka	3143	-989	Heebner	3347	-1188	Lansing KC	3384	-1225	Arbuckle	3616	-1462
Name	Top	Datum																	
Anhydrite	1736	+423																	
Topeka	3143	-989																	
Heebner	3347	-1188																	
Lansing KC	3384	-1225																	
Arbuckle	3616	-1462																	

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	12 1/4	8 5/8	23	221	60/40	150	3 %CC 2 %Gel
Production	7 7/8	5 1/2	15.5	3689	SMD	470	

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				

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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
2	3629-34	250 gals 15% MCA +1000 Gal Mod	
1	3550 & 3535	750 Gals 15% MCA + 1500 gals 28% NE	
1	3390 & 3372	750 Gals 15% MCA + 1500 gals 28% NE	
2	3549-5, 3534-36, 3389-91, 3371-73		

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>3620</u> Packer At: <u>None</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr. <u>7/30/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u> Gas Mcf <u>0</u> Water Bbls. <u>50</u> Gas-Oil Ratio <u> </u> Gravity <u>32</u>

DISPOSITION OF GAS: <input checked="" 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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3371-3551</u>
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SWIFT Services, Inc.

DATE: 7-2-10 PAGE NO. 7

Diamond Oil Co

WELL NO. #2

LEASE Roy/Cager

JOB TYPE Cement Lugsstring

TICKET NO. 17686

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							On location with float pump - Rig LDDP Start 5 1/2" 15.5" /ft casing to 3689 Insert float shoe w/ AutoFill L.D. Baffle - 5'5" 34' Cent collars 1-4-7-10-13-16-45 Cement Baskets JTs #2-5-46 Rig finish run casing. Drop Ball cuts out Rig cir casing - Drisco head 45 min Fin cir - Plug RH 30SKS SMD @ 12 1/2" *
	2115							
	2245							
	2250							
	2335							
			6			2		
	2340	5 1/2					200 Pump 500 gal mud flush	
		6					250 Pump RD BBI KCL flush	
	2355	6	190				300 Start 340 SKS SMD @ 11.2 #/gal	
		4 1/2	26				300 Start 100 SKS SMD @ 14 #/gal	
	0035		<u>176</u>				Vac Fin cut - Wash pump & lines	
							Drop L.D. Plug	
	0040	8					400 Start Displ.	
		6	80				700 Slow rate	
	0050						500 1600 Plug down - Hold - Release & Hold.	
	0100						Job complete Washup & Packup	
							45 BBI cut cir to Pit @ 90 SKS	
							<i>Wade</i> Han, Hong & Russell	

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WW DRILLING, LLC

PO Box 307 WaKeeney, KS 67672

Office: 785-743-6774 Fax: 785-743-6752

PIPE & TUBING TALLY BOOK

DATE 12-2-2010 COMPANY Black Diamond Oil, Inc. LEASE Ray - Gager WELL NO. 2

SIZE <u>5 1/2"</u>	WEIGHT <u>15.5</u>	MAKE	GRADE	RANGE
THREAD	COLLAR LENGTH	CONDITION <u>NEW</u>	TRANSFER NOS.	OVERALL TALLY <input type="checkbox"/>
				THREADS OFF TALLY <input type="checkbox"/>

Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd						
1	44	55	21	44	48	41	44	55	61	44	51	81	44	50	101			121			141								
2	44	54	22	44	50	42	44	53	62	44	52	82	44	20	102			122			142								
3	44	53	23	44	55	43	44	42	63	44	48	83	44	51	103			123			143								
4	44	43	24	40	93	44	44	52	64	44	51	84	44	41	104			124			144								
5	44	54	25	44	49	45	44	47	65	44	48	85	44	08	105			125			145								
6	44	53	26	44	52	46	44	41	66	44	54	86	44	49	106			126			146								
7	44	40	27	44	58	47	44	55	67	44	53	87	44	53	107			127			147								
8	34	05	28	44	49	48	44	52	68	44	50	88	36	83	108			128			148								
9	44	48	29	44	59	49	44	54	69	44	55	89	38	40	109			129			149								
10	44	33	30	34	65	50	44	48	70	44	46	90	44	47	110			130			150								
11	39	48	31	44	43	51	44	49	71	44	24	91			111			131			151								
12	44	12	32	40	09	52	36	58	72	44	39	92			112			132			152								
13	34	52	33	44	51	53	44	49	73	34	40	93			113			133			153								
14	44	15	34	44	47	54	44	50	74	44	48	94			114			134			154								
15	44	49	35	34	25	55	44	48	75	44	40	95			115			135			155								
16	40	50	36	44	48	56	44	55	76	44	52	96			116			136			156								
17	34	03	37	44	53	57	44	43	77	44	50	97			117			137			157								
18	35	05	38	44	52	58	44	44	78	44	55	98			118			138			158								
19	44	50	39	44	39	59	44	40	79	44	50	99			119			139			159								
20	43	91	40	43	99	60	44	50	80	44	55	100			120			140			160								
	843	11		861	46		881	85		879	61																		
																		TOTALS			3901.52								

Drillers TD 3690 Loggers TD 3688

No. Jts. Run 85 Size 5 1/2 Wt. 15.5 Tested 4400A

Cent @ 1 4 7 10 13 16 40

Basket @ 2 5 46 D. V. Tool @ _____ Port Collar @ _____

Cemented by SWIFT SKs. Type Cement 4705 SMO 305 RAHOLE

Flush SWAPS AND FRESH 20 bbls KCL

Jts. To Be Left Out 86, 87, 88, 89, 90

Shoe Jt. 34.05 Pipe Set @ 36:00 Off Bottom _____

Plug Down 1:00 AM PM 7 13 2010 Rig Release @ 3:00 AM PM 12 13 2010

Job by DAC BIRKEL

Pipe Left On Location 55 Jts. Talley 20872 Threads On _____

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FIELD OR DISTRICT	4	COUNTY	Woods	STATE/COUNTRY	KANSAS	WIRE LINE RECORD		REEL NO.		
LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKS. TO CSG. HD.	SET AT	SIZE	NO. LINES	LENGTH SLIPPED
	8 7/8	New	23#	5	212.48		220	LENGTH CUT OFF	PRESENT LENGTH	
									WEAR OR TRIPS SINCE LAST CUT	
								CUMULATIVE WEAR OR TRIPS		

DEPTH INTERVAL	DRILL. D REAM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMPS OUT
							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
FROM TO															

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			

DEPTH INTERVAL	DRILL. D REAM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMPS OUT
							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
FROM TO															
0	221		SURFACE												

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
	221	37.0													

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	7:45	7/4	1	Mix 2nd Tank SPUD MUD & Fill 1st P.F. w/ water
7:45	8:30	7/4	21	Drill Rathole
8:30	11:30	3	2	Drill Surface (SPUD @ 8:30am)
11:30	12:00	7/4	6	T.O.H
12:00	1:15	17/4	12	Run 8 7/8" Casing & Cement (Plug Down @ 1:15 pm)
1:15	3:00	13/4	13	W.O.C

DEPTH INTERVAL	DRILL. D REAM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMPS OUT
							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
FROM TO															
221	350	D	S-5A-C	90+	1057	1100	6 7/8	60							

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
5:00	9:15	6 1/4	13	W.O.C.
9:15	11:00	17/4	2	Drill

DRILLER *Dave L. Smith*

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FIELD OR DISTRICT	4	COUNTY	Rooks	STATE/COUNTRY	Kansas	WIRE LINE RECORD	REEL NO.
LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT
	8 7/8	New	P ² NEW	5	212.48		219.48
	NO. LINES	6	LENGTH SLIPPED	90 est.			
	LENGTH CUT OFF	90 est.					
	WEAR OR TRIPS SINCE LAST CUT						
	CUMULATIVE WEAR OR TRIPS						

DEPTH INTERVAL		DRILL. O REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
350	1140	D		S-SH	90	15	425	6x14	60							

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
11:00	12:15	1 1/4	2	DRlg
12:15	12:30	1/4	7	Rlg + Jet + clean #1 @ 473
12:30	4:45	4 1/4	2	DRlg
4:45	5:00	1/4	21	Jet + clean #1 @ 917
5:00	7:00	2	2	DRlg

DRILLER *Dan Shearn*

DEPTH INTERVAL		DRILL. O REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
1140	1830	D		sand / shale	90	2000	550	6x14	60							
136	1707			Amalgamite												

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	10:30	3 1/2	2	DRlg
10:30	10:45	1/4	7	Rlg + Jet #1 @ 1577
10:45	5:00	4 1/4	2	DRlg

DRILLER *Jim Henderson*

DEPTH INTERVAL		DRILL. O REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
1830	2360	D		Sand / shale / loam	90	2500	650	6x14	60							

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	3:15	1/4	21	Jet #1 @ 1830
3:15	7:30	4 1/4	2	DRlg
7:30	7:45	1/4	7	Rlg + Jet #1 @ 2146
7:45	11:00	3 1/4	2	DRlg

DRILLER *Dave (S) Jones*

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4

COUNTY
ROCKS

STATE/COUNTRY
Kansas

WIRE LINE RECORD REEL NO.

SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	LENGTH SLIPPED	
8 5/8	New	#23	5	222.48		219.48	1 1/8	6	90 est	
LAST CASING TUBING OR LINER							LENGTH CUT OFF	PRESENT LENGTH		
							WEAR OR TRIPS SINCE LAST CUT			
							CUMULATIVE WEAR OR TRIPS			

DEPTH INTERVAL		DRILL. D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
2360	2750	D		S-Sh-line	85	32 3/4	125	6 1/4	60							

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
11:00	11:15	1/4	2	DRlg
11:15	11:30	1/4	21	Jet #1 + add pretreat @ 2368
11:30	3:00	3/2	2	DRlg
3:00	3:15	1/4	21	Jet + clean #1 @ 2556
3:15	7:00	3 3/4	2	DRlg

DRILLER *Don Sheehan*

DEPTH INTERVAL		DRILL. D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
2750	3003	D		S-Sh	85	36	800	6 1/4	60							

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	1:15	6 1/4	2	DRlg
1:15	1:30	1/4	7	Jet #1 ✓ Rlg
1:30	2:30	1	2	DRlg
2:30	2:45	1/4	21	Jet #4 bypass #2 @ 2992
2:45	3:00	1/4	2	DRlg

DRILLER *Jimmy Niedemus*

DEPTH INTERVAL		DRILL. D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3003	3280	D		S-Sh-LINE	86	36	800	6 1/4	60							

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	4:15	1 1/4	2	DRlg
4:15	4:45	1/2	21	Jet + Clean Section @ 3056 Regen Displacement
4:45	5:00	1/4	2	DRlg
5:00	5:15	1/4	21	Jet #1 (Displacement Complete @ 3071 Regen)
5:15	11:00	5 3/4	2	DRlg

DRILLER *Dave Starnes*



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LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT	SIZE 1 7/8	NO. LINES 6	LENGTH SLIPPED 90 est
	8 7/8	New	27B	5	212.48		279.48	LENGTH CUT OFF 90 est		PRESENT LENGTH
								WEAR OR TRIPS SINCE LAST CUT		CUMULATIVE WEAR OR TRIPS

DEPTH INTERVAL		DRILL D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3280	3454	D		SH-L	85	38000	850	6 1/4	60							

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
1:00	3:15	4 1/4	2	DRlg
3:15	4:15	1	5	C.F.S. @ 3410
4:15	5:35	1 1/4	2	DRlg
5:35	5:30	1/4	8	w.o. Pump
5:30	6:15	3/4	2	DRlg
6:15	6:45	1/2	5	C.F.S. @ 3454
6:45	7:40	1/4	2	DRlg

(1 1/2 hrs. cont. time)

DRILLER **Dan Sheen**

DEPTH INTERVAL		DRILL D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3154	3642	D		SH/L	85	38000	850	6 1/4	60							

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	10:30	3 1/2	2	DRlg
10:30	10:45	1/4	8	Blew nail @ 3541
10:45	3:00	4 1/4	2	DRlg

DRILLER **Tommy Niedermus**

DEPTH INTERVAL		DRILL D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3642	3690 <i>(CTD)</i>	D		SH/L	85	38000	850	6 1/4	60							

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	4:30	1 1/2	2	DRlg
4:30	4:45	1/4	7	DRlg @ 3689 RTD 3690
4:45	5:45	1	5	C.F.S. @ 3690 RTD
5:45	10:15	4 1/2	6	SHORT TRIP (41500) @ 3690
10:15	11:00	3/4	5	CTH

(1 1/4 hrs. cont. time)

DRILLER **Doc C. Stanley**



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FIELD OR DISTRICT	4	COUNTY	Rooks	STATE/COUNTRY	KANSAS	WIRE LINE RECORD	REEL NO.
LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT
	8 5/8	NEW	-	5	212.48	219.48	
						SIZE	NO. LINES
						1 1/8	6
						LENGTH CUT OFF	PRESENT LENGTH
						90 est	90 est
						WEAR OR TRIPS SINCE LAST CUT	
						CUMULATIVE WEAR OR TRIPS	

DEPTH INTERVAL	FROM	TO	DRILL. D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT	
									LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.		
3690	RTD																	
3688	LTD																	

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
1:00	11:45	3/4	5	Set C.H. @ 3690'
1:45	1:30	1 3/4	6	P.O.H. / logs (3690 RTD)
3:30	4:30	3	11	Rig up loggers & log w/ superior (LTD 3688')
4:30	5:00	1/2	21	W.O.O.
5:00	7:00	2	22	Wait on tester

DEPTH INTERVAL	FROM	TO	DRILL. D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
									LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3690	RTD																

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	8:00	3/4	23	Make up test tool @ 3690' (8 hrs cut me)
8:00	8:45	1 1/8	28	T.I.W./BST #1
8:45	10:45	1 1/2	16	Testing
10:45	12:30	1 3/4	6	T.O.H.W./BST #1 & dump fluid
2:30	1:00	1/2	23	L.D. f.t.
1:00	1:30	1/2	21	W.O.O.
1:30	3:00	1 1/2	6	T.I.H.W./BST @ 3690'

DEPTH INTERVAL	FROM	TO	DRILL. D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
									LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3690	RTD																

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	3:30	1/2	6	T.I.W./BST @ 3690' (8 hrs cut me)
3:30	4:30	1	5	CTCA
4:30	5:15	1 3/4	5	CTCA + STRAW (CASING)
3:30	5:15	1 3/4	5	CTCA + STRAW (CASING)
5:15	8:00	2 3/4	24	Lay Down Drill Pipe & Collars
8:00	9:15	1 1/4	25	Change Over
9:15	10:45	1 1/2	12	Rwd 5 1/2" casing
10:45	11:00	1/4	5	Circ 5 1/2" casing (Robt Desco Flush)

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FIELD OR DISTRICT	COUNTY	STATE/COUNTRY	WIRE LINE RECORD	REEL NO.						
4	ROOKS	KANSAS								
LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	LENGTH SLIPPED
	8 5/8	new		5	2248		29.48	1 1/2	6	90 EST
								LENGTH CUT OFF		PRESENT LENGTH
								90 EST		
								WEAR OR TRIPS SINCE LAST CUT		
								CUMULATIVE WEAR OR TRIPS		

DEPTH INTERVAL		DRILL D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3690	RTD															

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
FROM	TO				
1:00	11:45	3/4	5	Circ 5 1/2" Casing (Denco Flush)	(4 hrs Co. Time)
11:45	1:00	1/4	12	Cement 5 1/2" Casing (Plug Down @ 11:00am 7-3-2010)	
1:00	3:00	2	21	Set Slips & Set Pit Volume	
3:00	7:00	4	1	Tear Down - Rig Work	
				(Rig released @ 3:00 AM)	

DEPTH INTERVAL		DRILL D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
FROM	TO				
Empty section					


DEPTH INTERVAL		DRILL D REAM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1		PUMP NO. 2		PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	

DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
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TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
FROM	TO				
Empty section					

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PIPE TALLY

Date 6/25/10

Black Diamond Oel

Company

Lease Roy-Gager #2

Size <u>878</u>		New ✓	Used	Limited Service ✓	Weight <u>23</u>	Grade	Type	Range <u>R3</u>											
Column 1		Column 2		Column 3		Column 4		Column 5		Column 6		Column 7		Column 8		Column 9		Column 10	
Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	<u>42</u>	<u>0</u>																	
2	<u>50</u>																		
3	<u>50</u>																		
4	<u>50</u>																		
5	<u>50</u>																		
6																			
7																			
8																			
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17																			
18																			
19																			
20																			
Total	<u>214</u>	<u>0</u>																	

Subtotal this page

516
Total Number of Joints

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[Signature]

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Casing Head & Accessories

Other

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