

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

ORIGINAL

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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 # 33575
Name: WW Drilling
Wellsite Geologist: Tony Richardson
Purchaser: Coffeyville Resources

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>3/1/2011</u>	<u>3/6/2011</u>	<u>3/30/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23927-00-00
Spot Description: _____
NW SW NE SW Sec. 9 Twp. 7 S. R. 20 East West
1,910 Feet from North / South Line of Section
1,460 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Lesage Well #: 2
Field Name: LeSage East
Producing Formation: Lansing KC
Elevation: Ground: 2148 Kelly Bushing: 2155
Total Depth: 3681 Plug Back Total Depth: 3641
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 3677
feet depth to: Surface w/ 470 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 1000 ppm Fluid volume: 240 bbls
Dewatering method used: Free fluids removed air dry and back fill
Location of fluid disposal if hauled offsite:
Operator Name: Black Diamond Oil, Inc.
Lease Name: Veverka SWD License #: 7076
Quarter NE Sec. 26 Twp. 8 S. R. 19 East West
County: Rooks Permit #: D-22285

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: 4/26/2011

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: Dg Date: 5/6/11

RECEIVED
APR 28 2011
KCC WICHITA

Operator Name: Black Diamond Oil, Inc. Lease Name: Lesage 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" 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: Compensated density/neutron, dual induction & Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1696</td> <td>+457</td> </tr> <tr> <td>Topeka</td> <td>3134</td> <td>-981</td> </tr> <tr> <td>Heebner</td> <td>3338</td> <td>-1185</td> </tr> <tr> <td>Lansing KC</td> <td>3376</td> <td>-1223</td> </tr> <tr> <td>Base KC</td> <td>3576</td> <td>-1423</td> </tr> <tr> <td>Arbuckle</td> <td>3606</td> <td>-1453</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1696	+457	Topeka	3134	-981	Heebner	3338	-1185	Lansing KC	3376	-1223	Base KC	3576	-1423	Arbuckle	3606	-1453
Name	Top	Datum																				
Anhydrite	1696	+457																				
Topeka	3134	-981																				
Heebner	3338	-1185																				
Lansing KC	3376	-1223																				
Base KC	3576	-1423																				
Arbuckle	3606	-1453																				

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	220	60/40 common	150	3% CC 2% Gel
Production	7 7/8	5 1/2	15.5	3676	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				

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
4	3617-23	500 15% MCA, 750 20/10 Acid	
4	3558-60	250 15% MCA, 750 20/10 Acid	
4	3527-30	250 15% MCA, 750 20/10 Acid	
4	3362-64	250 15% MCA, 750 20% Acid	

TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>3630</u>	Packer At: <u> </u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10		5		32

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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 036890

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

SERVICE POINT:

Russell

DATE <u>3-1-11</u>	SEC. <u>9</u>	TWP. <u>7</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30 PM</u>	JOB FINISH <u>4:00 PM</u>
LEASE <u>Lesage</u>	WELL # <u>2</u>	LOCATION <u>Logan Rd 1/2 W</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR W 9 W 8

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 13 bbls

OWNER

CEMENT

AMOUNT ORDERED 150 lb Cem 3-2

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>110/50 miles</u>			<u>750.00</u>
				TOTAL <u>3430.75</u>

REMARKS:

Ran 5 Jts of 8 1/2 etc 220

Cement w/ 150 lb Cem 3-2

Cement did circulate

CHARGE TO: Black Diamond

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>99.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>50</u>	@	<u>7.00</u>	<u>350.00</u>
MANIFOLD	<u>RECEIVED</u>	@		
		@		
	<u>APR 28 2011</u>	@		
KCC WICHITA				TOTAL <u>1391.00</u>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

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



WW DRILLING, LLC

PO Box 307 WaKeeney, KS 67672

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

PIPE & TUBING TALLY BOOK

DATE 3-4-11 COMPANY Black Diamond LEASE Lasage WELL NO. 2

Form with fields for SIZE (5 1/2"), WEIGHT (15.5#), MAKE (NCW), GRADE, RANGE (3), THREAD, COLLAR LENGTH, CONDITION, TRANSFER NOS., OVERALL TALLY, and THREADS OFF TALLY.

Table with 24 columns: Joint No., Feet, Hnd, and 21 more columns for joints 1-20. Includes handwritten data for each joint and a TOTALS row at the bottom.

Drillers TD 3680 Loggers TD

No. Jts. Run 90 Size 5 1/2" Wt. 15.5# Tested 4400#

Cent @ 1, 3, 5, 7, 9, 11, 13, 15, 17, 46

Basket @ 2, 9, 47 D. V. Tool @ Port Collar @

Cemented by SWIFT SKs. Type Cement 470SMD 30NAT HOLE

Flush 500 GALS 16 WOP 15 HBL SKCL

Jts. To Be Left Out (95) 40.65 (94) 39.66 (93) 40.93 (92) 38.84 (85) 36.67

Shoe Jt. 35.44 Pipe Set @ 3676.50 Off Bottom 3'

Plug Down 12:47 AM PM 1 1 Rig Release @ 2:45 AM PM 5 15 11

Job by D. B. Baker

Pipe Left On Location 198.17 (5JTS) Jts. Talley Threads On

TOTALS

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FIELD OR DISTRICT		COUNTY		STATE/COUNTRY		WIRE LINE RECORD		REEL NO.	
		Rooks		KS		SIZE 1 1/8		NO. LINES 6	
LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT	LENGTH SLIPPED	
	9 5/8	New	28#	5	21276		219	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		TOT. PUMP OUT
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.

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	3:00	8	1	Move off White #1 onto Lasage #2 Rig up

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		TOT. PUMP OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
0	220															

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			
7:20	12:15	5 1/4	1	Run Down of White #1 Rig up on Black Diamond Lasage #2
12:15	2:00	1 3/4	2	Drilling
2:00	3:00	1		Survey core T.V.D. 13 Jet Cellar

< Spud @ 12:15 PM >

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KCC WICHITA

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		TOT. PUMP OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
7:00	220															

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			
	4:00	1	12	Run casing + cement
4:00	11:00	7	13	Work in Cement

< Plug down @ 4:00 PM >

DRILLER



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No. 2721068

FIELD OR DISTRICT		COUNTY <u>Rooks</u>		STATE/COUNTRY <u>Ks</u>		WIRE LINE RECORD REEL NO.	
LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT
	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		TOT PU OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
220	1283	D		SS	90	15	600	6	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	12:00	1	13	W. O. C.
12:00	1:30	1 1/2	2	Drilling
1:30	1:45	1/4	7	R. S. 4
1:45	2:00	1/4	21	Set #1
2:00	7:00	5	2	Drilling

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		TOT PU OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
1:33	1495	D		Sand Stone	95	20	750	6	60							
1:47	1723	D		S-S	95	30	750	6	60							
1:74	1995	D		S-S	95	30	750	6	60							

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
7:00	9:00	2	2	Drilling
9:00	9:15	1/4	7	R. S. 4
9:15	10:15	1	2	Drilling
10:15	10:30	1/4	21	Set #1
10:30	3:00	4 1/2	2	Drilling

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		TOT PU OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
15:16	2435	D			95	20	810	6	60							

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	4:10	1	2	Drilling
4:10	4:15	1/4	7	R. S. 4
4:15	5:00	3/4	2	Drilling
5:00	11:00	4 1/4	2	Drilling



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No. 2721069

FIELD OR DISTRICT		COUNTY <i>Greenwood</i>		STATE/COUNTRY <i>KS</i>		WIRE LINE RECORD REEL NO.	
LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT
	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		TOT. PUI OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
<i>2435</i>	<i>2830</i>	<i>D</i>		<i>S-L</i>	<i>85</i>	<i>30</i>	<i>800</i>	<i>6</i>	<i>60</i>							

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			
<i>11:00</i>	<i>11:45</i>	<i>3/4</i>	<i>2</i>	<i>Drill</i>
<i>11:45</i>	<i>12:00</i>	<i>1/4</i>	<i>7</i>	<i>Rig</i>
<i>12:00</i>	<i>12:15</i>	<i>1/4</i>	<i>21</i>	<i>Jet #1</i>
<i>12:15</i>	<i>4:30</i>	<i>4 1/4</i>	<i>2</i>	<i>Drill</i>
<i>4:30</i>	<i>4:45</i>	<i>1/4</i>	<i>21</i>	<i>Jet #1</i>
<i>4:45</i>	<i>7:00</i>	<i>2 1/4</i>	<i>2</i>	<i>Drill</i>

DRILLER *J. Nelson*

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		TOT. PUI OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
<i>2850</i>	<i>3120</i>	<i>D</i>		<i>Shale</i>	<i>85</i>	<i>35</i>	<i>800</i>	<i>6</i>	<i>60</i>							

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			
<i>7:30</i>	<i>7:30</i>	<i>1/2</i>	<i>2</i>	<i>Drill</i>
<i>7:30</i>	<i>7:45</i>	<i>1/4</i>	<i>21</i>	<i>Jet #2</i>
<i>7:45</i>	<i>9:45</i>	<i>2</i>	<i>2</i>	<i>Drill</i>
<i>9:45</i>	<i>10:00</i>	<i>1/4</i>	<i>21</i>	<i>Jet #1</i>
<i>10:00</i>	<i>10:30</i>	<i>1/2</i>	<i>2</i>	<i>Drill</i>
<i>10:30</i>	<i>10:45</i>	<i>1/4</i>	<i>21</i>	<i>Clean Suction Disposed 2975</i>
<i>10:45</i>	<i>11:15</i>	<i>1/2</i>	<i>2</i>	<i>Drill</i>
<i>11:15</i>	<i>11:30</i>	<i>1/4</i>	<i>21</i>	<i>Jet #1 (Depth 2995)</i>

DRILLER *Mark [unclear]*

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		TOT. PUI OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
<i>3120</i>	<i>3321</i>	<i>D</i>		<i>shale</i>	<i>85</i>	<i>35</i>	<i>800</i>	<i>6</i>	<i>60</i>							

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			
<i>3:00</i>	<i>3:15</i>	<i>1/4</i>	<i>2</i>	<i>Drilling</i>
<i>3:15</i>	<i>3:30</i>	<i>1/4</i>	<i>7</i>	<i>Rig</i>
<i>3:30</i>	<i>11:00</i>	<i>7 1/2</i>	<i>2</i>	<i>Drilling</i>

DRILLER *[unclear]*



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FIELD OR DISTRICT _____ COUNTY Rooks STATE/COUNTRY KS WIRE LINE RECORD REEL NO. _____

LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	LENGTH SLIPPED

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		TOT. PUM. OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3324	3480			SL	85	35	850	6	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			
11:00	3:30	4 1/2	2	Drill
3:30	3:45	1/4	7	Rig
3:45	7:00	3 1/4	2	Drill

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		TOT. PUM. OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3480	3650	D		SL	85	35	850	6	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			
7:00	8:00	1	2	Drill
8:00	8:15	1/4	7	Rig
8:15	3:20	6 3/4	2	Drill

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		TOT. PUM. OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
3650	3680	D		shale/lim	90	75	850	6	60							

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
		3680	3/4								6 1/2 hrs.				

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
FROM	TO			
3:00	4:30	1 1/2	2	Drilling
4:30	5:30	1	5	CFS 3680 RTD
5:30	2:00	2 1/2	6	Short Trip 40 studs
8:00	9:00	1	5	ETCH
9:00	9:15	1/4	10	Survey
9:15	10:30	1 1/4	6	Tip out w/ Bit
10:30	11:00	1/2	11	Logging w/ Superior LTD 3681

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

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APPROVED



APPROVED

No. 2721071

FIELD OR DISTRICT		COUNTY <i>Rooks</i>			STATE/COUNTRY <i>Ks</i>			WIRE LINE RECORD REEL NO.		
LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	NO. LINES	LENGTH SLIPPED
								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		TOT PUM OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
<i>RTD</i>	<i>3680</i>			<i>Superior</i>												
<i>LTD</i>	<i>3681</i>															

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			
<i>11:00</i>	<i>2:45</i>	<i>3 3/4</i>	<i>11</i>	<i>Logging to Superior</i>
<i>2:45</i>	<i>4:00</i>	<i>1 1/4</i>	<i>6</i>	<i>FWB</i>
<i>4:00</i>	<i>6:00</i>	<i>2</i>	<i>5</i>	<i>CTCH</i>
<i>6:00</i>	<i>2:00</i>	<i>1</i>	<i>21</i>	<i>lay down pipe</i>

(8 hrs Co. time)

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		TOT PUM OUT
FROM	TO							LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	
<i>3680</i>																

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			
<i>7:00</i>	<i>8:15</i>	<i>1 1/4</i>	<i>21</i>	<i>Teardown</i>
<i>8:15</i>	<i>8:15</i>	<i>1/2</i>	<i>21</i>	<i>Change over to run casing</i>
<i>8:45</i>	<i>9:00</i>	<i>1/4</i>	<i>12</i>	<i>Rig up casing crew</i>
<i>9:00</i>	<i>11:00</i>	<i>2</i>	<i>12</i>	<i>Run 5 1/2 casing - Rig up cementer</i>
<i>11:00</i>	<i>11:45</i>	<i>3/4</i>	<i>5</i>	<i>Cement 5 1/2 casing</i>
<i>11:45</i>	<i>12:45</i>	<i>1 1/4</i>	<i>12</i>	<i>Plug Rat hole - Cement 5 1/2 casing</i>
<i>1:30</i>	<i>3:00</i>	<i>2 1/2</i>	<i>1</i>	<i>Teardown</i>

(7 3/4 hrs Co. time)

Plug down @ 12:45 PM

Rig released @ 2:45 PM

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		TOT PUM OUT
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			

JOB LOG

SWIFT Services, Inc.

DATE 5 MAR 11 PAGE NO. 7

CUSTOMER BLACK DIAMOND OIL WELL NO. LEASE LESAGE # 2 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 20533

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0700							ON LOCATION
	0910							START PIPE 5 1/2-15.5 #
								RTD @ 3680 SHOE JT. 35.44
								CENTRALIZERS 1,3,5,7,9,11,13,15,17, 46
								BASKETS 2,9,47
								SET @ 3677
	1050							DROP BALL CIRCULATE.
	1130	6	12		✓		200	Pump 500 GAL MUD FLUSH
	1132	6	20		✓		200	Pump 20 BBL KCL FLUSH
	1139		7		✓			PLUG RH (30sx)
	1140							MIX SMD CEMENT
		6	181		✓		150	350 sx @ 11.4 ppg
		6	18		✓		100	50 sx @ 12.7 ppg.
		6	18		✓		100	70 sx @ 14.5 ppg.
	1228							WASH OUT PUMPING LINES.
	1231	6			✓		100	RELEASE PLUG START DISPLACEMENT
	1247	Ø	86 1/2		✓		1500	PLUG DOWN PRESSURE UP LATCH PLUG IN
	1249							RELEASE PRESSURE - DRY
								CIRCULATE 30 sx TO PIT ⊗
	1252							WASH TRUCK
	1330							JOB COMPLETE
								THANKS # 110
								JASON JEFF JOAN

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