

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

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

*Ken
M
11/18/09*

Operator: License # 7076
 Name: Black Diamond Oil, Inc.
 Address: P.O. Box 641
 City/State/Zip: Hays, KS 67601
 Purchaser: Coffeyville Resources
 Operator Contact Person: Kenneth Vehige
 Phone: (785) 625-5891
 Contractor: Name: WW Drilling
 License: 33575
 Wellsite Geologist: Tony Richardson
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>8/28/2009</u>	<u>9/16/2009</u>	<u>9/22/2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 065-23,567 - 0000
 County: Graham
S/2 NE NE SE Sec. 36 Twp. 7 S. R. 21 East West
2100 feet from S / N (circle one) Line of Section
330 feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Thyfault Well #: 1
 Field Name: Thyfault
 Producing Formation: Lansing KC
 Elevation: Ground: 2036 Kelly Bushing: 2041
 Total Depth: 3525 Plug Back Total Depth: 219
 Amount of Surface Pipe Set and Cemented at _____ Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 3521
 feet depth to Surface w/ 450 sks _____ sx cmt.

Drilling Fluid Management Plan Alt II Nov 11-24-09
 (Data must be collected from the Reserve Pit)
 Chloride content 1500 ppm Fluid volume 200 bbls
 Dewatering method used Air Dry
 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: *Kenneth Vehige*
 Title: President Date: 11-10-09
 Subscribed and sworn to before me this 10th day of November,
 2009.
 Notary Public: *Melissa L. Windholz*
 Date Commission Expires: 5/21/2011

NOTARY PUBLIC
 MELISSA L. WINDHOLZ
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appt. Exp. 5/21/2011

KCC Office Use ONLY

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

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Operator Name: Black Diamond Oil, Inc. Lease Name: Thyfault Well #: 1
 Sec. 36 Twp. 7 S. R. 21 East West County: Graham

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Dual Induction, Micro, Compensated density & gamma ray correlation

Log	Formation (Top), Depth and Datum	Sample
Name	Top	Datum
Anhydrite	1604	+429
Topeka	3016	-983
Heebner	3220	-1187
Toronto	3243	-1210
Lansing KC	3259	-1226
Base KC	3462	-1429

CASING RECORD <input checked="" 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	219	60/40	150	
Production St.	7 7/8	5 1/2	14	3521	SMD	450	

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
4	3443-45	250 gals 15% & 750 gals 15% NE	
4	3412-14	250 gals 15% & 750 gals 15% NE	
4	3260-62	250 gals 15% NE & 1500 gals 28% NE	RECEIVED
4	3244-46	250 gals 15% NE & 1500 gals 28% NE	NOV 16 2009

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8	3475	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
9/29/2009	<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	20	0	10		34

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

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ALLIED CEMENTING CO., LLC. 038408

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

SERVICE POINT:

Russell

DATE <u>8-28-09</u>	SEC <u>36</u>	TWP <u>7</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 AM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>THYFAULT</u>	WELL # <u>1</u>	LOCATION <u>Nicodemus</u>		<u>1E 5 N</u>	COUNTY	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR WFW

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 219

CASING SIZE 8 1/2 DEPTH 212

TUBING SIZE 7 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 pbs 60/40 3-2

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

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HANDLING @

MILEAGE @

EQUIPMENT

PUMP TRUCK CEMENTER Bill

398 HELPER Glen

BULK TRUCK DRIVER Chris H.

BULK TRUCK DRIVER

REMARKS:

Ran 5 hrs of RF set @

Cent of 150 pbs 60/40 3-2

plug plug w 13 bbls of water

cement did cure

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

CHARGE TO: BLACK DIAMOND OIL INC.

STREET

CITY STATE ZIP

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

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.

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Sid Neetscher

SIGNATURE [Signature]

API # 15-065-23567-00-00

Operator: Black Diamond Oil, Inc.

Well Name & No: Thyfault #1

Location: 2100 FSL & 330 FEL, Section 36-7s-21w

County: Graham

State: Kansas

Rig No.: 8 Contractor: WW Drilling, LLC

Tool Pusher: Sid Deutscher

785-259-2382

Drill Collars: 14 Size: 6 1/4 x 2 1/4

Rig Phone: 785-259-0816

Make Pump: National K-380

Liner & Stroke: 6 x 14

Spud 8/28/09 @ 2:15 pm

Approx. TD: 3700 Elevation: 2028

G.L.: 2033

KB Hole Complete: 9/02/09 @ 5:00 am

Mud Co.: Andy's Mud

Mud Engineer: Kirk Worth

Water: well

Date	08/28/09	08/29/09	08/30/09	08/31/09	09/01/09	09/02/09	09/03/09		
Days	1-spud	2-drlg	3-drlg	4-cfs	5-cfs	6-dst #4	7-done		
Depth		530	2451	3200	3318	3524	3524		
Ft. Cut		530	1921	749	118	206	0		
D.T.									
D.T.		8-woc							
C.T.				2.5	20.75	16	19		
Bit Wt.		25,000	38,000	38,000	38,000	38,000			
RPM		90	85	85	85	85			
Pressure		650	700	800	800	800			
SPM		60	60	60	60	60			
Mud Cost					6635	6635			
Mud Wt.		8.8	9.2	9	9	9.1			
Viscosity		28	29	60	55	57			
Water Loss					8	8.8			
Chlorides					2400	1,000			
L.C.M.					1 #	2#			
Dev. Sur		3/4°-219'			3/4°-3200				
Dev. Sur									
Fuel	2259	2198	3447	3025	2797	2501	2309		
Water-Pit	full	full	2.5'	3.5	3.5'	3.5'			
ACC Bit Hrs.		4.5	27.5	46.5	49.75	54.75	54.75		
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm			
Weather	clear	cloudy	clear	clear	cloudy	clear			

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	219	219	1.75	1.75	RR	210462	
2	7 7/8	Sm - F-27	3524	3305	54.75	56.5	New	PN 7192	62.4 FPH
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
218	8 5/8	150	Common, 3% cc, 2% gel	6:30 PM	2:30 AM	Allied - did circulate
3522	5 1/2	415	SMD	12:00 AM		Swift - did circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3186-3200 (Oread)	30	45	30	45	550' water
2	3220-3295 (Tor-A)	30	45	30	45	285' gip, 140' go, 122' mcgo
3	3422-3485	45	45	out		20' mud
4	3457-3524	30	30			5' mud
5						
6						
7						
8						
9						

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Surface Casing Furnished by: Midwestern pipeworks: 5 joints of 8 5/8, 23 #, tally 212.74 set @ 218'

Remarks: Spud @ 2:15 pm, surface strapped & welded, anhydrite 1606-1638, Displaced @ 2944', (640 bbbbs.), Short trip @ 3200' 25 stands, (1.25 hrs.) pipe strap @ 3200'(1.17 short), logged by Superior (LTD-3523), logged from 12:00-3:15 pm, ran 5 1/2" casing, plug down @ 12:00 am by Swift Cemnting, rig released @ 2:00 am - 9/03/2009.

JOB LOG

SWIFT Services, Inc.

DATE 9-7-09 PAGE NO. 1

CUSTOMER *Black Diamond Oil Co.* WELL NO. #1 LEASE *Thy fault* JOB TYPE *Logging* TICKET NO. 16196

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2040							0.1 ac w/ FE
								RTD 3524' LTD 3523'
								5 3/4" x 14" x 3522' x 17'
								C-1 1, 3, 5, 7, 9, 11, 13, 47
								Basket 2, 6, 48
	2045							Start FE
	2220							Break circ
	2250	2.5	7					Plug RH
	2255	4	0				1.0	Start Mud Flush
		4	12/0				1.0	Start KCL Flush
		5.5	20/0				2.0	Start Cement
		5.5	194/0				2.0	Raise weight
	2237		20					End Cement
								Wash P/L
								Drin Plug
	2234	6	11				200	Start Displacement
	2243	5	25				300	Catch Cement
	2255		85.5				300 3/100	Land Plug
								Release Pressure
								Float Hold

circ 50sks to pit

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Thank you
Nick, Josh F. + Rob