

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 7076  
Name: BLACK DIAMOND OIL, INC.  
Address: P.O. BOX 641  
City/State/Zip: HAYS, KS 67601  
Purchaser: None  
Operator Contact Person: KENNETH VEHIGE  
Phone: (785) 625-5891  
Contractor: Name: W. W. DRILLING  
License: 33575

Wellsite Geologist: Tony Richardson  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  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>2/23/2006</u>	<u>3/2/2006</u>	<u>3/3/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 137-20450-00-00  
County: NORTON  
122' NE W/2 W/2 Sec. 28 Twp. 4 S. R. 22  East  West  
2540 feet from S /  (circle one) Line of Section  
730 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: FIN/BELDEN Well #: 1  
Field Name: HANSEN NW  
Producing Formation: NONE  
Elevation: Ground: 2305 Kelly Bushing: 2310  
Total Depth: 3775 Plug Back Total Depth: \_\_\_\_\_  
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 \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) *ACTIVITY 12-14-07*  
Chloride content 3500 ppm Fluid volume 900 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.: \_\_\_\_\_

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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.

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: Proas Date: 4/13/06

Subscribed and sworn to before me this 11<sup>th</sup> day of April

20 06  
Notary Public: Verda M. Brin

Date Commission Expires: 7-18-07

VERDA M. BRIN  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 7-18-07

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
UIC Distribution

Operator Name: BLACK DIAMOND OIL, INC. Lease Name: FIN/BELDEN Well #: 1  
 Sec. 28 Twp. 4 S. R. 22  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 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:  <b>Neutron/Density, Dual Induction, Sonic</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1938</td> <td>+372</td> </tr> <tr> <td>Topeka</td> <td>3250</td> <td>-940</td> </tr> <tr> <td>Heebner</td> <td>3449</td> <td>-1139</td> </tr> <tr> <td>Lansing KC</td> <td>3494</td> <td>-1184</td> </tr> <tr> <td>Base KC</td> <td>3680</td> <td>-1370</td> </tr> <tr> <td>Arbuckle</td> <td>3751</td> <td>-1441</td> </tr> </table>	Name	Top	Datum	Anhydrite	1938	+372	Topeka	3250	-940	Heebner	3449	-1139	Lansing KC	3494	-1184	Base KC	3680	-1370	Arbuckle	3751	-1441
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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	20#	220	common	160	3%cc,2% gel

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

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

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

METHOD OF COMPLETION

Production Interval  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

# ALLIED CEMENTING CO., INC.

22382

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

SERVICE POINT:

*Oakley*

DATE <i>2-23-06</i>	SEC <i>21</i>	TWP. <i>4</i>	RANGE <i>22</i>	CALLED OUT	ON LOCATION <i>7:10 PM</i>	JOB START <i>7:45 PM</i>	JOB FINISH <i>8:00 PM</i>
LEASE <i>Field Belden #</i>		LOCATION <i>Edmond w/side NW 1/4 NW 1E 1 1/2 N E 15</i>		COUNTY <i>Norton</i>		STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *W & W Drlg Rig 2*

TYPE OF JOB *Surface*

HOLE SIZE \_\_\_\_\_ T.D. *222*

CASING SIZE *8 5/8* DEPTH *219.63*

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 *Same*

CEMENT AMOUNT ORDERED *160 sks Com 32 cc 290 Gel*

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER *Dean*

# *373-281* HELPER *Jarrod*

BULK TRUCK

# *377* DRIVER *Larry*

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**REMARKS:**

*Circulated 3 Bbls cement to pit*

*Thank you*

CHARGE TO: *Black Diamond*

STREET \_\_\_\_\_

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

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

*8 5/8 Surface Plug* @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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

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# ALLIED CEMENTING CO., INC.

25901

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

SERVICE POINT: Oakley

DATE <u>3-3-06</u>	SEC. <u>28</u>	TWP. <u>4S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION <u>1:30 AM</u>	JOB START <u>1:45 AM</u>	JOB FINISH <u>7:00 AM</u>
LEASE <u>FPN Belden</u>	WELL # <u>1</u>	LOCATION <u>Edmond 1N-16W-1N-1E</u>		COUNTY <u>Norton</u>	STATE <u>Kan</u>		
OLD OR NEW (Circle one)				<u>1/2N-ES.</u>			

CONTRACTOR <u>WW Ditz #2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>3775'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2 YH</u>	DEPTH <u>3751</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT  
AMOUNT ORDERED 225 SKS 60#/sk per  
6% Col, 1/4 #Flt-Soal

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
GEL \_\_\_\_\_ @ \_\_\_\_\_  
CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
ASC \_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
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\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_

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**EQUIPMENT**

PUMP TRUCK	CEMENTER <u>Walt</u>
# <u>102</u>	HELPER
BULK TRUCK	
# <u>399</u>	DRIVER <u>Kelly</u>
BULK TRUCK	
#	DRIVER

HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
MILEAGE \_\_\_\_\_

**REMARKS:**

25 SKS @ 3751'  
25 SKS @ 1975'  
100 SKS @ 1125'  
40 SKS @ 275'  
10 SKS @ 40'  
15 SKS in R.H.  
10 SKS in M.H.

**SERVICE**

DEPTH OF JOB 3751'  
PUMP TRUCK CHARGE \_\_\_\_\_  
EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
MILEAGE miles @ 5.00  
MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_

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

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

8 5/8  
1- D.H. Plug @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment

WW Drilling, LLC  
P. O. Box 307  
WaKeeney, Kansas 67672  
Ph. 785-743-6774

Black Diamond Oil, Inc.  
P. O. Box 641  
Hays, Kansas 67601

# 1 Fin/Belden  
2540' FNL & 730' FWL  
Section 28-4s-22w  
Norton County, Kansas

API # 15-137-20450-00-00

025 sx 10' Above Arbuckle  
025 sx @ 1975'  
100 sx @ 1175'  
040 sx @ 275'  
010 sx @ 40'  
015 sx Rathole  
010 sx Mousehole

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225 sx Total - 60/40 poz, 6% gel - 1/2 # per sx Flo-seal

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Herb Deines - 3/01/06 - 9: 30 am

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