

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

Form ACO-1  
 September 1999  
 Form Must Be Typed

**ORIGINAL**

Operator: License # 7076  
 Name: BLACK DIAMOND OIL, INC.  
 Address: P.O. Box 641  
 City/State/Zip: Hays, KS 67601  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: Kenneth Vehige  
 Phone: (785) 625-5891  
 Contractor: Name: Discovery Drilling Co., Inc.  
 License: 31548  
 Wellsite Geologist: Ken Vehige  
 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>9/2/03</u>	<u>9/6/03</u>	<u>9/7/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

**RECEIVED**  
**JAN 02 2004**  
**KCC WICHITA**

API No. 15 - 137-20,419-00-00  
 County: Norton  
 120' N & 40' W of \_\_\_\_\_  
 \_\_\_\_\_ SE \_\_\_\_\_ NE \_\_\_\_\_ Sec. 28 Twp. 4 S. R. 22W  East  West  
870 feet from  (N) (circle one) Line of Section  
370 feet from  (E)  (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one)  NE    SE    NW    SW  
 Lease Name: Sansom Well #: 4  
 Field Name: Hansen Estate NW  
 Producing Formation: Arbuckle  
 Elevation: Ground: 2246 Kelly Bushing: 2254  
 Total Depth: 3714 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set 1880' Feet  
 If Alternate II completion, cement circulated from See attached  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ letter \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content 1,000 ppm Fluid volume 320 bbis  
 Dewatering method used Evaporation  
 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: 12-31-03  
 Subscribed and sworn to before me this 31<sup>st</sup> day of December  
2003  
 Notary Public: Verda M. Brin  
 Date Commission Expires: 7-18-2007

**KCC Office Use ONLY**

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

  
**VERDA M. BRIN**  
 NOTARY PUBLIC  
 STATE OF KANSAS  
 My Appt. Exp. 7-18-2007

Operator Name: BLACK DIAMOND OIL, INC. Lease Name: Sansom Well #: 4  
 Sec. 28 Twp. 4 S. R. 22W  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  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, Cement Bond(Surface)  
 Sonic, & Micro

Name	Top	Datum
Anhydrite	1902	+360
Topeka	3212	-950
Heebner	3412	-1150
Lansing KC	3456	-1194
Arbuckle	3712	-1450

**RECEIVED**  
**JAN 02 2004**  
**KGC WICHITA**

CASING RECORD <input type="checkbox"/> New <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	20	220.86	Common	150	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	3713	Common	175	
				Port Collar @ 1880'			

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
1-5	3600, 3622, 3633	1500 gals, 15% Acid	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8	3700		<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
9/24/03		<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
	15	0	2		

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify) \_\_\_\_\_



# ALLIED CEMENTING CO., INC. 11121

Federal Tax I.D.#

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

ORIGINAL

SERVICE POINT: Oakley

DATE <u>9-2-03</u>	SEC. <u>28</u>	TWP. <u>45</u>	RANGE <u>22 W</u>	CALLED OUT	ON LOCATION <u>5:00 PM</u>	JOB START <u>6:15 PM</u>	JOB FINISH <u>6:30 P</u>
LEASE <u>Sansom</u>		WELL # <u>4</u>	LOCATION <u>Edmond 1E-36N</u>		COUNTY <u>Norton</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>Discovery Dds #1</u>	OWNER <u>Sanie</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u> T.D. <u>221'</u>	CEMENT
CASING SIZE <u>8 5/8</u> DEPTH <u>220'</u>	AMOUNT ORDERED <u>150 SKS COM</u>
TUBING SIZE _____ DEPTH _____	<u>3% CC - 2% (ca)</u>
DRILL PIPE _____ DEPTH _____	
TOOL _____ DEPTH _____	
PRES. MAX _____ MINIMUM _____	COMMON <u>150 SKS @ 7<sup>15</sup></u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. <u>15'</u>	GEL <u>3 - SKS @ 10<sup>00</sup></u>
PERFS. _____	CHLORIDE <u>5 - SKS @ 30<sup>00</sup></u>
DISPLACEMENT <u>13 - BBL</u>	_____ @ _____
EQUIPMENT _____	_____ @ _____
	_____ @ _____
	_____ @ _____
PUMP TRUCK CEMENTER <u>Walt</u>	HANDLING <u>150 SKS @ 1<sup>15</sup></u>
# <u>300</u> HELPER <u>Wayne</u>	MILEAGE <u>54 per skt</u>
BULK TRUCK _____	
# <u>361</u> DRIVER <u>Jarrad</u>	
BULK TRUCK _____	
# _____ DRIVER _____	TOTAL _____

RECEIVED  
JAN 16 2004  
KCC WICHITA

REMARKS:	SERVICE
<u>Cement Ddd Circ</u>	DEPTH OF JOB _____
	PUMP TRUCK CHARGE _____ <u>520<sup>00</sup></u>
	EXTRA FOOTAGE _____ @ _____
	MILEAGE <u>miles @ 3<sup>30</sup></u>
	PLUG <u>8 7/8 SURFACE @ 45<sup>00</sup></u>
	_____ @ _____
	_____ @ _____
	TOTAL _____

CHARGE TO: Black Diamond Oil, Inc

STREET \_\_\_\_\_

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

**FLOAT EQUIPMENT**

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE [Signature] PRINTED NAME \_\_\_\_\_

# ALLIED CEMENTING CO., INC.

14250

Federal Tax I.D.#

ORIGINAL  
SERVICE POINT  
R

REMIT TO: PO BOX 31  
RUSSELL, KANSAS 67665

DATE <u>9-7-03</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>5:45am</u>	JOB FINISH <u>1:15pm</u>
LEASE <u>SANSON</u>	WELL # <u>4</u>	LOCATION <u>EDMOND 1W 3N</u>			COUNTY <u>NORTON</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD <input type="radio"/> OR NEW (Circle one)							

CONTRACTOR DISCOVERY

TYPE OF JOB PROD STRIP

HOLE SIZE 7 7/8 T.D. 3714

CASING SIZE 5 1/2 DEPTH 378

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT 30

CEMENT LEFT IN CSG. 30

PERFS.

DISPLACEMENT 90 # 23L

OWNER

CEMENT

AMOUNT ORDERED 200 LBM  
500 GAL WTR Z

COMMON @

POZMIX @

GEL @

CHLORIDE @

HANDLING @

MILEAGE RECEIVED

EQUIPMENT

PUMP TRUCK CEMENTER MARK

# 345 HELPER SHANE

BULK TRUCK DRIVER TON

# 222

BULK TRUCK DRIVER

#

JAN 16 2004

KCC WICHITA SERVICE

TOTAL

REMARKS:

10 SK C.M.H.

15 SK C.R.H.

400 FT. HOLE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

PLUG 5 1/2 TOP @

CHARGE TO: BLACK DIAMOND OIL

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

@

@

@

@

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