

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

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: \_\_\_\_\_  
Operator Contact Person: KENNETH VEHIGE  
Phone: (785) 625-5891  
Contractor: Name: Discovery Drilling Co., Inc.  
License: 31548  
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. \_\_\_\_\_

1/16/06    1/22/06    1/23/06  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 051-25,482-00-00  
County: ELLIS  
50' S. of W/2 - W/2SE Sec. 22 Twp. 11 S. R. 19W  East  West  
1270 feet from (S) (circle one) Line of Section  
2310 feet from (E) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: VINE Well #: 4  
Field Name: Solomon

Producing Formation: Arbuckle  
Elevation: Ground: 2110 Kelly Bushing: 2118  
Total Depth: 3659 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 222.39 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 3657  
feet depth to Surface w/ 500 sx cmt.  
(15sks In Rat Hole)

Drilling Fluid Management Plan ALTIWATER  
(Data must be collected from the Reserve Pit) 12-11-07  
Chloride content 19,000 ppm Fluid volume 160 bbls  
Dewatering method used Hauled free fluids

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: Owner Date: 5-24-06

Subscribed and sworn to before me this 24th day of May  
19 2006  
Notary Public: [Signature]

Date Commission Expires: 7-18-2007

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

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

RECEIVED  
JUN 01 2006  
KCC WICHITA

Operator Name: BLACK DIAMOND OIL, INC. Lease Name: VINE Well #: 4  
 Sec. 22 Twp. 11 S. R. 19W  East  West County: ELLIS

**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 (Attach Additional Sheets)  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 (Submit Copy)  List All E. Logs Run: <p style="text-align: center;"><b>Radiation Guard</b></p>	<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>1402</td> <td>+716</td> </tr> <tr> <td>Topeka</td> <td>3070</td> <td>-952</td> </tr> <tr> <td>Heebner</td> <td>3295</td> <td>-1177</td> </tr> <tr> <td>Lansing K&amp;</td> <td>3336</td> <td>-1218</td> </tr> <tr> <td>Base KC</td> <td>3555</td> <td>-1437</td> </tr> <tr> <td>Arbuckle</td> <td>3627</td> <td>-1509</td> </tr> </table>	Name	Top	Datum	Anhydrite	1402	+716	Topeka	3070	-952	Heebner	3295	-1177	Lansing K&	3336	-1218	Base KC	3555	-1437	Arbuckle	3627	-1509
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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	# Sacs Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	23	222.39	Common	150	2%gel & 3%CC
Production St.	7 7/8	5 1/2	14	3657	SMDC	400 @	11.2#/Gal
					SMDC	100 @	14#/Gal

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	3632-34	250 MCA	

TUBING RECORD		Size <u>2 7/8</u>	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>2-8-06</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>20</u>	Gas Mcf <u>0</u>	Water Bbls. <u>150</u>	Gas-Oil Ratio	Gravity <u>26</u>

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-1B.)

**METHOD OF COMPLETION**

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

**Production Interval**



# Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

## DRILLER'S LOG

Operator: **Black Diamond Oil, Inc. LIC#7076**  
PO Box 641  
Hays, KS 67601

Contractor: **Discovery Drilling Co., Inc. LIC#31548**  
PO Box 763  
Hays, KS 67601

Lease: Vine #4

Location: 50' S of W/2 / W/2 / SE  
Sec. 22 / 11S / 19W  
Ellis Co., KS

Loggers Total Depth: 3651'  
Rotary Total Depth: 3659'  
Commenced: 1/16/2006  
Casing: 8 5/8" @ 222.39' w / 150 sks  
5 1/2" @ 3657' w / 500 sks

Elevation: 2110' GL / 2118' KB  
Completed: 1/23/2006  
Status: Oil Well

## DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	0'	Shale	1442'
Dakota Sand	656'	Shale & Lime	1958'
Shale	770'	Shale	2489'
Cedar Hill Sand	880'	Shale & Lime	2921'
Red Bed Shale	1140'	Lime & Shale	3159'
Anhydrite	1403'	RTD	3659'
Base Anhydrite	1442'		

STATE OF KANSAS )  
                                  ) ss  
COUNTY OF ELLIS )

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

  
Thomas H. Alm


Subscribed and sworn to before me on

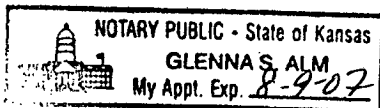
1-24-06

My Commission expires:

8-9-07

(Place stamp or seal below)

  
Notary Public



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KCC WICHITA

# ALLIED CEMENTING CO., INC. 23693

Federal Tax I.

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

SERVICE POINT: Russell

DATE <u>1/16/06</u>	SEC. <u>22</u>	TWP. <u>11</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION <u>3:30 pm</u>	JOB START <u>3:55 pm</u>	JOB FINISH <u>4:15 pm</u>
LEASE <u>Line</u>	WELL# <u>4</u>	LOCATION <u>Yucca #1-20 10 1/2 N</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>En</u>			

CONTRACTOR Driveway Drilling Rig #1 OWNER \_\_\_\_\_

TYPE OF JOB Surf Seal

HOLE SIZE 12 1/4 T.D. 222 CEMENT AMOUNT ORDERED 150 lbs 396 28 01

CASING SIZE 8 5/8 20" DEPTH 222.39

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 13 1/2

**EQUIPMENT**

PUMP TRUCK CEMENTER Yucca

# 398 HELPER Gary

BULK TRUCK \_\_\_\_\_

# 378 DRIVER Brian

BULK TRUCK \_\_\_\_\_

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

**REMARKS:**

\_\_\_\_\_  
Contract Circle  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

**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**

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

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

8 1/2" head Plug  
 \_\_\_\_\_ @ \_\_\_\_\_

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

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

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.

**RECEIVED**  
**JUN 01**  
 TOTAL **KCC WICHITA**

TAX \_\_\_\_\_

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

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

SIGNATURE [Signature]

PRINTED NAME \_\_\_\_\_



CHARGE TO: Black Diamond Oil Co.  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

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 KCC WICHITA  
 TICKET No 9629  
 PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Hays, Ks.  
 2. Ness City, Ks.  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

WELL/PROJECT NO: #4 LEASE: Vine COUNTY/PARISH: Ellis STATE: Ks CITY: \_\_\_\_\_ DATE: 1-22-06 OWNER: Sam

TICKET TYPE:  SERVICE  SALES CONTRACTOR: Discovery Drilling #1 RIG NAME/NO.: \_\_\_\_\_ SHIPPED VIA: elf DELIVERED TO: Locations ORDER NO.: \_\_\_\_\_

WELL TYPE: oil WELL CATEGORY: Development JOB PURPOSE: cement longstring WELL PERMIT NO.: \_\_\_\_\_ WELL LOCATION: \_\_\_\_\_

REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #103	40	mi			4.00	160
578		1			Pump Charge Longstring	1	ea	3675	'	1250.00	1250
281		1			Mud Flush	500	gal			.75	375
407		1			Tasent Float Shoe w/fill	1	ea	5 1/2	"	250.00	250
406		1			L. D. Plug & Baffle	1	ea		" "	210.00	210
402		1			Centralizers	8	ea		" "	60.00	480
403		1			Baskets	4	ea		" "	225.00	900
419		1			Rotating Head	1	ea		" "	250.00	250
330		2			SMD Cement	500	skts			11.50	5750
276		2			Flasele	125	#			1.10	137.5
581		2			Cement Service Charge	500	skts			1.10	550
583		2			Drayage	980	10 TM			1.00	980

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]  
 DATE SIGNED: 1-23-06 TIME SIGNED: 0315  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	11,735.00

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: Nick Karbo APPROVAL: [Signature]  
 The customer hereby acknowledges receipt of the materials and services listed on this ticket.

LOG

# SWIFT Services, Inc.

DATE 1-22-06 PAGE NO. 1

OWNER Black Diamond Oil

WELL NO. 24

LEASE Vine

JOB TYPE cement logging

TICKET NO. 9629

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							valve set up Trks
								5 1/2 x 14" x 3675' x 18' 33
								cent, 1, 3, 5, 7, 10, 13, 16, 55
								Bracket 4, 16, 55, 70
	2345							start FE
	0115							Break circulation
	0150	2	3/2					Plug RH+MH
	0155	4	0			100		Start P-c flush serial Mud flush
	0201	6.5	12/0			200		Start Cement Lt 400sks SMD 11.2 <sup>PPG</sup>
	0235	6	222/0					TL 100sks SMD 14 <sup>PPG</sup>
	0240		28					end cement
								wash PTL
								Drop Plug
	0244	7	0			150		Start Displacement
	0248	7.5	28			200		Catch cement
	0305		89			700 1200		Land Plug
								Release Pressure
								Float held
								circ 15sks to pit

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 KCC WICHITA

Thank you  
 Nick T. & Shana