

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 7076  
name Black Diamond Oil, Inc.  
address 1105 E. 30th, Suite A  
City/State/Zip Hays, Ks. 67601

Operator Contact Person Kenneth Vehige  
Phone 913 625-5891

Contractor: license # 8241  
name Emphasis Oil Operations

Wellsite Geologist Mark Torr  
Phone 628-3131

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable

5/24/84 Spud Date 5/31/84 Date Reached TD 7/2/84 Completion Date

3832 R.T.D Total Depth 3832' P.B.T.D

Amount of Surface Pipe Set and Cemented at 259' feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

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JUL 31 1984

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

Information on 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 drillers time log shall be attached with this form. 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 7-09-84

Subscribed and sworn to before me this 9th day of July 1984

Notary Public [Signature] Date Commission Expires 8-11-85

API NO. 15 - 163-22,387 700-00

County Rooks

SW/4 (location) Sec 33 Twp 6 Rge 20  East  West

330 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

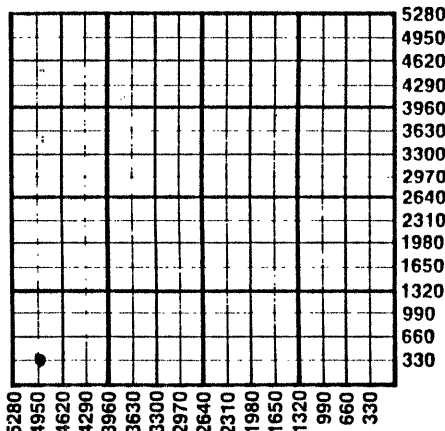
Lease Name Vehige Well# #1

Field Name Todd Southeast

Producing Formation N/A

Elevation: Ground 2182' KB 2187'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # N/A

Groundwater Ft North From Southeast Corner and Ft. West From Southeast Corner of Sec Twp Rge  East  West

Surface Water Ft North From Southeast Corner and Ft West From Southeast Corner Sec Twp Rge  East  West

Other (explain) supplied by Water Hauler (purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket #

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Form ACO-1  
(This form supercedes previous forms ACO-1 & C-10)

Sec... Twp... Rge... 200

SIDE TWO

Operator Name Black Diamond Oil, Inc. Lease Name Vehige Well# 1 SEC 33 TWP. 6 RGE. 20  East  West

WELL LOG

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Topeka Limestone	3173'	-986'
Heebner Shale	3381'	-1194'
Toronto Limestone	3404'	-1217'
Lansing-K.C.	3419'	-1232'
Bs. of K.C.	3616'	-1429'
Arbuckle	3652'	-1465'
Granite Wash	3797'	-1610'
RTD	3832'	-1645'

DST #1 3385-3410 (Toronto)  
 Times: 30-45-15-0  
 Blow: Weak, decreasing to very weak  
 no blow on second open  
 Recovery: 10' of mud w/ few spots of oil  
 Shut-in Pressures: 1164#  
 Flow Pressures: 29-29#

DST #2 3440-3480 (L-K.C. C & D zones)  
 times: 60-45-60-45  
 Blow: Weak on both opens  
 Recovery: 30' muddy water  
 Shut-in Pressures: 1030-1025#  
 Flow Pressures: 28-28 & 38-38#

DST #3 3552-3614 (L-K.C. I, J, K & L Zones)  
 Times: 45-30-45-30  
 Blow: building to 5"-1st open  
 1"-2nd open  
 Recovery: 5' clean oil; 15' heavy oil-cut mud  
 60' oil-cut mud  
 Shut-in Pressures: 689-275#  
 Flow Pressures: 38-38# & 48-48#

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#	259'	Class A	175	3% CC, 2% gel
Production.....	7.7/8"	5.1/2"	14#	3786'	Common	100	3% cc, 2% gel
Production.....	7.7/8"	5.1/2"	14#	1804-Surf.	Class A	625	celloflake

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
4 per foot	3405 1/2 - 3606 1/2	250 gls. 15% mud acid	3404 1/2 - 3606 1/2
1 each	3605 & 3587	1250 gls. 28% reg. acid	open hole
2 per foot	3763-83	treat w/ 750 gls. 15% mud acid; retreat w/ 3500 gls. 15% AOG-200; retreat w/ 3500 gls. AOG-200	3605-3587
		w/ 3000 gls. 28% reg. acid	open hole & perfs
			3763-83

TUBING RECORD			
size	2 7/8" set at	3750'	packer at 3750'
Liner Run		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input checked="" type="checkbox"/> Other (explain) <u>SALT WATER DISPOSAL</u>		
Estimated Production Per 24 Hours	Oil	Gas	Water
	Bbls	MCF	Bbls
			Gas-Oil Ratio
			CFPB

Disposition of gas:  vented  open hole  perforation  sold  other (specify) .....  used on lease

METHOD OF COMPLETION  Dually Completed.  Commingled

PRODUCTION INTERVAL



# BLACK DIAMOND OIL, INC.

1105 E. 30th  
Hays, Kansas 67601  
(913) 625-5891

July 30, 1984

State Corporation commission  
200 Colorado Derby Bldg.  
Wichita, Ks. 67202

Gentlemen:

Please find enclosed an ACO-I form referring to the Vehige #1 Saltwater Disposal Well located in the SW/4 of Sec. 33-T6S-R20W of Rooks County, Kansas. In the Casing Record Section we have updated the cementing of the production casing to include cementing from 1804' to surface. This was inadvertantly left off.

I am asking you to update your files accordingly.

Thank you for your attention to this matter.

Sincerely,

Philip C. Toepfer  
Business Manager

PCT/rkm

Enclosure

RECEIVED  
STATE CORPORATION COMMISSION

JUL 31 1984

CONSERVATION DIVISION  
Wichita, Kansas