

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.. ..5/31/84.. ..7/2/84..
Spud Date Date Reached TD Completion Date
3832.RTD 3832!..
Total Depth PBD

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

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

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)

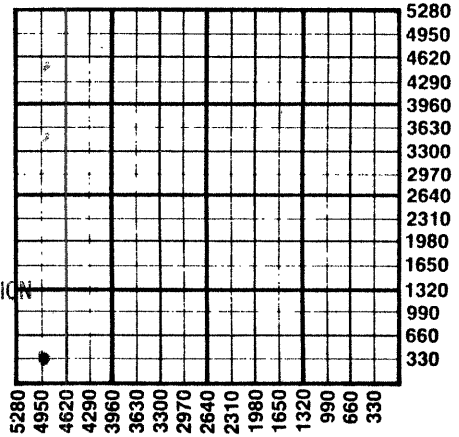
Lease Name Vehige Well# #1

Field Name Todd Southeast

Producing Formation N/A

Elevation: Ground 2182! KB 2187!

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
JUL 10 1984
7-10-84
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # N/A
 Groundwater..... Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge East West
 Surface Water..... Ft North From Southeast Corner and
(Stream, Pond etc.)..... 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 #

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 11-85 State of Kansas My Appointment Expires 8-1-85

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. 33 Twp. 6 Rge. 20W

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
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 - 06 1/2			250 gls. 15% mud acid			3404 1/2 - 06 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			3605-3587
				w/ 3000 gls. 28% reg. acid			open hole & perfs.
TUBING RECORD size <u>2 7/8"</u> set at <u>3750'</u> packer at <u>3750'</u>				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	Gas-Oil Ratio	Gravity		
	Bbbls	MCF	Bbbls	CFPB			

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