

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

Purchaser

Operator Contact Person Kenneth Vehige  
Phone (913)-625-5891

Contractor: License # 8241  
Name Emphasis Oil Operations

Wellsite Geologist Kenneth Vehige  
Phone (913)-625-5891

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If ONWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
12-19-86 12-29-86 1-20-87  
Spud Date Date Reached TD Completion Date  
3900'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 212 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from 3890 feet depth to 500 w/ 550 SX cmt  
Cement Company Name Allied Cementing Co., Inc.  
Invoice # 48013

API NO. 15-065-22,347-00-00  
County Graham  
SE SW SW Sec. 22 Twp. 7 Rge. 22 East  
X West

330 Ft North from Southeast Corner of Section  
4290 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

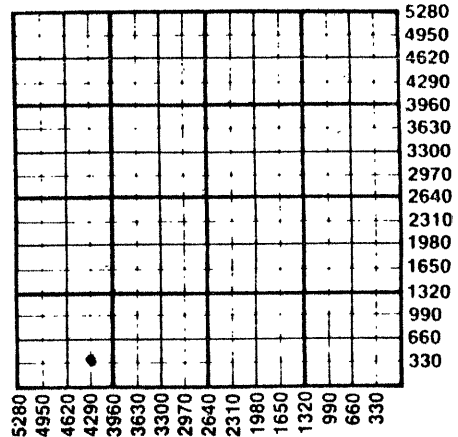
Lease Name Worcester Well # 1

Field Name

Producing Formation

Elevation: Ground 2216 KB 2221

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well)  
Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water 200 Ft North from Southeast Corner (Stream, pond etc.) 1800 Ft West from Southeast Corner  
Sec 10 Twp 7 Rge 22 East X West

Other (explain) (purchased from city, R.W.D. #)

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. Rule 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 Kenneth Vehige  
Kenneth Vehige

Title Owner/ Operator Date 1/28/87

Subscribed and sworn to before me this 28th day of January 1987

Notary Public Jolene H. Klaus  
Jolene H. Klaus

Date Commission Expires 2/5/90



RECEIVED  
STATE CORPORATION COMMISSION

JAN 29 1987

Form ACO-1 (7-84)

CONSERVATION  
Wichita, Kansas

Sec 22 Twp 7 N Rge 22 W

SIDE TWO

Operator Name Black Diamond Oil, Inc. Lease Name Worcester Well # 1

Sec. 22 Twp. 7 Rge. 22  East  West County Graham

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

D.S.T.#1-3450' to 3470', 30-45-60-45, weak blow throughout. Rec. 80' salt water with slight show of oil.  
 I.F.P., 13-20, I.S.I.P.-N.A., F.F.P.-31-44  
 F.S.I.P.-639

D.S.T.#2-3515' to 3530', 15-30, 3' mud with slight show of oil.  
 I.F.P., 33-29, - I.S.I.P. 192

Name	Top	Bottom
Anhydrite	1830'	1860'
Topeka	3210'	3418'
Toronto	3442'	3452'
Lansing-K.C.	3460'	3658'
Arbuckle	3815'	3900'
TD in Arbuckle		

CASING RECORD <input 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#	212'	60/40 Poz	150	3%cc, 2% gel
Production	7 7/8"	4 1/2"	10.5	3890'	Econolite	400	2%Gel, 5%Oil & 10%Salt
					60/40 Pdz.	150	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
	None						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size	Set At	Packer at				
	2 3/8"	3871'	3877'				
Date of First Production		Producing Method					
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain) <u>Vacuum</u>					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
		0 Bbls	0 MCF	0 Bbls	0 CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled