

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 Farmland Industries
Kansas City, Mo. 64116

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1/08/85 1/13/85 02/08/85
Spud Date Date Reached TD Completion Date
3510
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 218 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1544' feet
If alternate 2 completion, cement circulated from 1544' feet depth to Surf. w/ 425 SX cmt

API NO. 15-...163-22-585-00-00

County Rooks

.NW. .NW. .NW. Sec. 24. Twp. 7S. Rge. 20W. East West

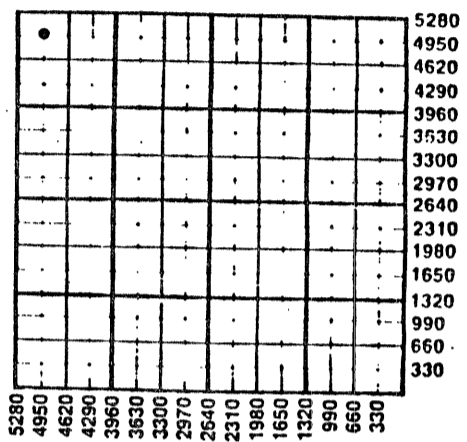
4950 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Perkins Well #. 2

Field Name Alcona

Producing Formation K.C.

Elevation: Ground 2029' KB 2034'
Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket #

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

Source of Water:
Division of Water Resources Permit #...POND

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) 230 Ft West from Southeast Corner Sec 10 Twp 7S Rge 20 East 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 [Signature] President
Title Date 4/10/85

Subscribed and sworn to before me this 10th day of April 1985
Notary Public Robin K. McDowell

Date Commission Expires 8/11/85
Robin K. McDowell
NOTARY PUBLIC
State of Kansas
My Appointment Expires 8-11-85

RECEIVED
STATE CORPORATION COMMISSION
NOV 14 1985
NOV 14 1985

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

Sec 24 Twp 7S Rge 20W

Operator Name **Black Diamond Oil, Inc.** Lease Name **Perkins** Well # **2**

Sec. **24** Twp. **7S** Rge. **20** East West County **Rooks**

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

DST #1 3382-3415
 Blow: good bldg. 2nd-strong blow
 Recovery: 390' gas in pipe
 270' gassy oil
 Pressures: IF: 78-97# in 45 min.
 ISI: 826# in 45 min.
 FF: 107-126# in 45 min.
 FSI: 806# in 45 min.

Name	Top	Subsea Bottom
Anhydrite	1539'	+495
Bs. Anhydrite	1568'	+466
Topeka	3000'	-966
Oread	3153'	-1119
Heebner	3202'	-1168
Toronto	3225'	-1191
Lansing-K.C.	3240'	-1206
Bs. K.C.	3451'	-1417
Conglomerate	3490'	-1456
Arbuckle	Not Reached	
T.D.	3510'	-1476

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#	218'	Common	140	2% gel, 3% cc
Production	7 7/8"	5 1/2"	14#	3509'	60/40 pz	75	10% salt, 5% oil
Production	7 7/8"	5 1/2"	14#	1544-Surf.	50/50	485	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	
	320 sks. 50/50 6% gel 950-surf.			265 sks. 50/50, 6% gel		1544-950	
4	3485-95			250 gls. 15% MCA (Alcohol phase)		open hole 3512	
1	3414, 3399, 3395			1000 gls. 15% MCA		3485-95	
4	3414-16, 3394-99			750 gls. 15% MCA; retreat with		3414-3399	
				5000 gls. 15% demul			
				Squeeze w/ 50 sks. cement		3497-3512	
TUBING RECORD							
Size 2 7/8" Set At		Packer at		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
		3493'		NONE			
Date of First Production		Producing Method					
02/08/85		<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	Gas	Water	Gas-Oil Ratio	Gravity	
➔		25 Bbls	0 MCF	0 Bbls	0 CFPB	35.9°	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3394'
 Used on Lease Dually Completed Commingled 3495'