

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, Kansas 67601

Operator Contact Person Kenneth Vehige  
Phone 913-625-5891

Contractor: license # 5665  
name Pioneer Drilling Company, Inc.

Wellsite Geologist Mark Torr  
Phone 628-3131

PURCHASER NONE

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  
9-04-84 9-12-84 9-12-84  
Spud Date Date Reached TD Completion Date

3380' Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 13 3/8" @ 91.88' feet  
8 5/8" @ 1236.67'

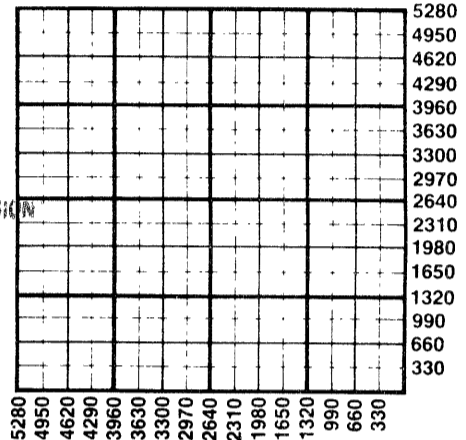
Multiple Stage Cementing Collar Used?  Yes  No  
If Yes, Show Depth Set feet

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

API NO. 15 - 163-22,455  
County Rooks  
C-S/2. NW. NW. Sec. 36 Twp. 7s Rge. 18 East West  
4290 Ft North from Southeast Corner of Section  
4620 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

Lease Name Smith Well# 1  
Field Name  
Producing Formation  
Elevation: Ground 1815' KB 1820'

Section Plat



10-1-84

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 01 1984  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit #  
 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) water hauled (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 Kenneth Vehige  
Title President Date 9-28-84

Subscribed and sworn to before me this 28th day of September 19 84

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

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)

Sec 36 Twp 7 Rge 18 W

**SIDE TWO**

Operator Name Black Diamond Oil, Co. Lease Name Smith Well# 1 SEC 36 TWP. 7s RGE. 18  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

**DST #1 (Straddle)**

3293-3346'  
 Times: 75-45-60-45  
 Blow: weak, slowly buiding  
 Recovery: 10' heavy oil-cut watery mud  
 (27% oil, 21% water, & 52% mud)  
 50' of slightly oil-cut watery mud  
 (1% oil, 39% water, & 60% mud)  
 Shut in: 458-419 PSI  
 Flow: 58-68 & 78-78PSI

Name	Top	Bottom
surface and shale	0'	20'
shale	20'	92'
shale and sand	92'	600'
sand and shale	600'	1011'
shale	1011'	1237'
anhydrite	1237'	1250'
anhydrite	1250'	1258'
shale and sand	1258'	1388'
shale and sand	1388'	1661'
shale	1661'	1717'
shale	1717'	1895'
shale	1895'	2147'
lime and shale	2147'	2383'
lime and shale	2383'	2560'
lime and shale	2560'	2666'
lime and shale	2666'	2805'
lime and shale	2805'	2965'
lime and shale	2965'	3070'
lime and shale	3070'	3175'
lime and shale	3175'	3284'
lime and shale	3284'	3321'
shale and lime	3321'	3355'
arbuckle	3355'	3380'
	3380'	R.T.D.

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
Conductor String	17. 1/2"	13. 3/8"	42.5#	91.88'	60-40pos	100	2%gel 3%cc
Surface String	12. 1/4"	8. 5/8"	23#	1236.67'	60-40pos	400	2%gel 3%cc
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing method <input type="checkbox"/> flowing <input 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		
	Bbls	MCF	Bbls	CFPB			

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