

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; Hays, KS. 67601  
City/State/Zip

Purchaser Farmland Ind  
Kansas City, Mo

Operator Contact Person Kenneth Vehige  
Phone 913-6255891

Contractor: License # 9087  
Name R. & C. Drilling Co., Inc.

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
10-21-85 10-29-85 1/03/86  
Spud Date Date Reached TD Completion Date  
3740 3720'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 207 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1844 feet  
If alternate 2 completion, cement circulated from 1844 feet depth to surface w/ 1237 SX cmt  
Cement Company Name Allied Cementing Co., Inc.  
Invoice # 45479, 45480, 45481, 45501

API NO. 15-163-22,791-00-00  
County Rooks  
SE NW SE Sec. 32 Twp 6 Rge. 20 East West

1650 Ft North from Southeast Corner of Section  
1650 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

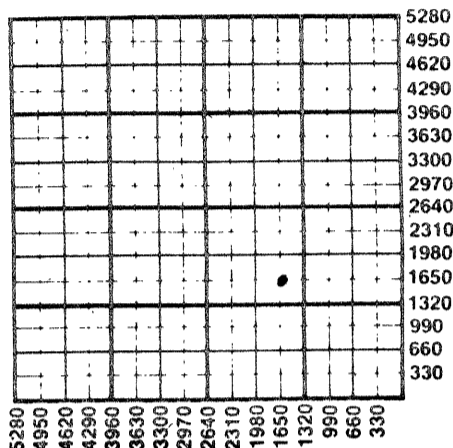
Lease Name Mollhagen Well #. 6

Field Name Todd SE

Producing Formation Lansing Kansas City

Elevation: Ground 2215 KB 2220

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: Keller Tank Service  
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 Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge 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]

Title Resident Date 3/1/86

Subscribed and sworn to before me this 1st day of March 1986

Notary Public [Signature]

Date 5/24/87



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 32 Twp 6 Rge 20 W

SIDE TWO

Operator Name Black Diamond Oil, Inc. Lease Name Mollhagen Well # 6

Sec. 32 Twp. 6 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 3470-3512'**

45-45-45-45  
 Blow: weak both opens  
 Recovered: 30' gas in pipe, 20' oil cut mud, 10' clean oil  
 Pressures: IF: 33-22#, ISI: 799#, FF: 44-34#, FSI: 701#

**DST #2 3554-3635'**

30-30-45-30  
 Blow: very weak blow, died in 28 min.  
 Recovered: 30' gas in pipe, 10' clean oil, 20' oil cut mud  
 Pressures: IF: 66-55#, ISI: 341#, FF: 66-55#, FSI: 297#

Name	Top	Bottom	SUBSEA
Anhydrite	1810'		+410
Bs. Anhydrite	1841'		+379
Topeka	3204'		-984
Oread	3361'		-1141
Heebner	-3409'		-1189
Toronto	3432'		-1212
Lansing-K.C.	3446'		-1226
Bs. K.C.	3637'		-1417
Marmaton	3664'		-1444
Arbuckle	3684'		-1464
T.D.	3634'		-1514

**DST #3 3638-3701\*** corrected to 3635-3699

20-30-none-none  
 Blow: very weak blow, died in 8 min.  
 Recovered: 5' drilling mud  
 Pressures: ISI: 66-55#, ISI: 286#, FF: none, FSI: none

**CASING RECORD**  New  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 1/2	8 5/8	24	207	Common	185	
Production	7 7/8	4 1/2	10 1/2	3739	60/40	200	10% Salt

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	1150	500 gls. Intensified non-swelling	3698-3703
2	1700	300 gls. 15% mud acid, retreat w/	3503-95
4	3698-3703, 3503-05	1500 gls. 15% dem. acid	" "
1	3627-3607, 3596-8, 3572-4, 3450-3434	1500 gls. 15% mud acid, retreat w/	3627, 3607, 3596 & 3572
4	3626-29, 3606-08, 3595-97, 3571-73, 3449-51, 3433-35	4000 gls. 15% dem. acid 500 gls. 15% mud acid, retreat w/	3450, 3434
		2000 gls. 15% dem. acid Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No treat w/ 500 gls. 15% mud acid	3450 & 3434

**TUBING RECORD** Size 2 3/8 Set At 3,712' Packer at 3720'

Date of First Production 1/03/86 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
	30	0		0	370

**METHOD OF COMPLETION** Production Interval

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

