

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
Address 1105 E. 30th, Suite A
City/State/Zip Hays, KS 67601

Purchaser Koch Oil Company
P. O. Box 2256
Wichita, Ks. 67201

Operator Contact Person Ken Vehige
Phone 913-625-5891

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist Ken 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

8/17/85 8/23/85 10/09/85
Spud Date Date Reached TD Completion Date

3716' RTD
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 210 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1860' feet
If alternate 2 completion, cement circulated from 1860' feet depth to Surface/365 SX cmt

API NO. 15-163-22,745
County Rooks
SE SE NE Sec. 33 Twp. 6S Rge. 20 East West

2970 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

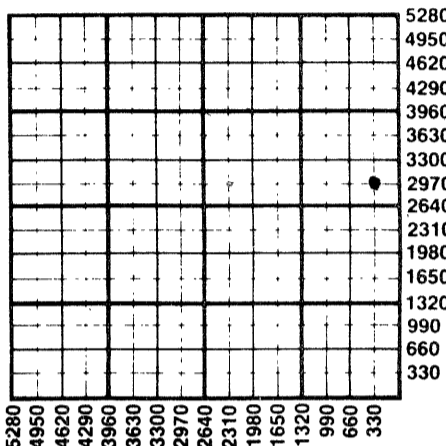
Lease Name McMahan Well # 2

Field Name Wildcat D J H

Producing Formation Lansing-K.C.

Elevation: Ground 2225' KB 2230'

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 #

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

Surface Water 1200 Ft North from Southeast Corner (Stream, pond etc.) 400 Ft West from Southeast Corner Sec 4 Twp 7S Rge 20 East West

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

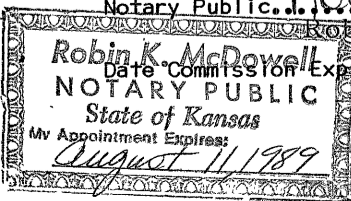
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.

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.

T. Vehige Date 9/23/85
Kenneth Vehige, President

Subscribed and sworn to before me this 23rd day of September, 1985.
Notary Public Robin K. McDowell



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)

RECEIVED
STATE CORPORATION COMMISSION

Form ACO-1 (7-84)

NOV 18 1985
11-18-85
CONSERVATION DIVISION

Sec. 33
Twp. 6S
Rge. 20W

SIDE TWO

Operator Name Black Diamond Oil Lease Name McMahan Well # 2

Sec. 33 Twp. 6S 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 3482-3525'
 45-45-45-45
 Pressures: IF: 43-101#, FF: 123-159#
 ISI: 812#, FSI: 754#
 Recovered: 330' gas in pipe, 95' clean gassy oil,
 60' oil cut muddy water, 240' water

DST #2 3571-3620'
 No pressures
 Recovered: 5' of mud

DST #3 3630-3716'
 45-45-75-45
 Pressures: IF: 57-86#, FF: 101-130#
 ISI: 1037#, FSI: 936#
 Recovered: 355' of gas in pipe, 95' free oil
 90' heavy oil cut mud, 10% gas, 40% oil, 50% mud

Name	Top	Bottom
Anhydrite	1821'	
Base Anhydrite	1851'	
Topeka	3218'	
Heebner	3423'	
Toronto	3447'	
Lansing-K.C.	3461'	
Base K.C.	3659'	
Marmaton	3682'	
Conglomerate	3702'	
Arbuckle	3717'	
T.D.	3719'	

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	12-1/4"	8-5/8"	20	210'	60/40 poz	150	2% gel, 3% c.c.
Production	7-7/8"	4-1/2"	10 1/2	3715' KB	60/40 poz	150	5G gilsonite & 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
1	3713, 3703, 3649	250 gls. 15% mud acid	3498-3500
4	3648-50	250 gls. 15% mud acid, retreat w/	3520-21
4	3614-16	2000 gls. 15% dem. acid	
1	3520-21	250 gsl. 15% mud acid	3614-16
2 1/2	3520-22	2500 gls. 20% dem. acid	3648-50
2 1/2	3498-3500	750 gls. 15% mud acid, retreat w/ 2500 gl. 15% mud acid	3713-3703 & 3649

TUBING RECORD Size 2 3/8" Set At 3713.5 Packer at n/a
 Liner Run Yes No

Date of First Production 10/09/85 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	20 Bbls	0 MCF	150 Bbls	CFPB	34°

METHOD OF COMPLETION

Production Interval

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