

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt. _____

SIDE ONE

(Rules 82-3-130 and 82-3-107)

DOCKET NO. NP _____

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

F _____ Letter requesting confidentiality attached.

C _____ Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run _____.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 7076 EXPIRATION DATE June 30, 1984
 OPERATOR Black Diamond Oil, Inc. API NO. 15-163,22,219-00-00
 ADDRESS 1105 E. 30th. Suite A COUNTY Rooks
Hays, Ks. 67601 FIELD Wildcat TODD, S.E.
 ** CONTACT PERSON Kenneth Vehige PROD. FORMATION Lansing-K.C & Arbuckle
 PHONE (913) 625-5891 Indicate if new pay. _____
 PURCHASER Farmland Industries LEASE Mollhagen
 ADDRESS P. O. Box 7305 WELL NO. 1
Kansas City, Mo. 64116 WELL LOCATION NW NW SE
 DRILLING R & C Drilling 2310 Ft. from South Line and
 CONTRACTOR P. O. Box 296 2310 Ft. from East Line of ~~XXX~~
 ADDRESS Hays, Ks. 67601 the SE (Qtr.) SEC 32 TWP 6 RGE 20 (W).

PLUGGING _____
CONTRACTOR _____
ADDRESS _____

WELL PLAT (Office Use Only)

KCC
 KGS _____
 SWD/REP _____
 PLG. _____
 NGPA _____

TOTAL DEPTH 3716 PBDT _____
 SPUD DATE 12/13/83 DATE COMPLETED 12/21/83
 ELEV: GR 2241' DF 2244' KB 2246'
 DRILLED WITH ROTARY TOOLS.
 DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE _____
 Amount of surface pipe set and cemented 259' DV Tool Used? NO

TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil Shut-in Gas, Gas, Dry, Disposal, Injection, Temporarily Abandoned. If OWWO, indicate type of re-completion _____. Other completion _____. NGPA filing _____.

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

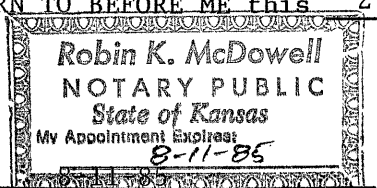
A F F I D A V I T

Kenneth Vehige, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

Kenneth Vehige
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 27th day of March, 1984.



Robin K. McDowell
(NOTARY PUBLIC)
Robin K. McDowell

MY COMMISSION EXPIRES: _____

RECEIVED
STATE CORPORATION COMMISSION
MAR 28 1984
3-28-84
CONSERVATION DIVISION
Wichita, Kansas

** The person who can be reached by phone regarding any question concerning this information.

Side TWO

OPERATOR Black Diamond Oil, Inc. LEASE NAME Mollhagen

SEC 32 TWP 6S RGE 20

XBX
(W)

WELL NO 1

FILL IN WELL INFORMATION AS REQUIRED;

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Show Geological markers, logs run, or other Descriptive information.

Formation description, contents, etc.	Top	Bottom	Name	Depth
<p>Check if no Drill Stem Tests Run. _____</p> <p>Check if samples sent Geological Survey. _____</p>				
Topeka Limestone	3232'			
Heebner shale	3438'			
Toronto Limestone	3461'			
Lansing-K.C.	3475'			
Base-K.C.	3668'			
Arbuckle	3706'			
RTD	3716'			

If additional space is needed use Page 2

Report of all strings set — surface, intermediate, production, etc.

CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8 5/8"	20#	251'	Quick Set	155	common, quick set
Production	7 7/8"	4 1/2"	9.5#	3714'	60/40 poz	200	60% common, 10% salt 2% gilson, 2% gel, 40% poz, 5 sks. salt flush

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1 ea	JET, Limited	3656, 3638, 3624
TUBING RECORD			4 ea	JET	3655-57-3623-25, 3637-39
Size	Setting depth	Packer set at			
2 3/8" O.C.	3674'	3678'			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
treat w/ 250 gls. 15% INS; retreat w/ 1250 gls. 15% INS acid	open hole 3740
treat w/ 1000 gls. 15% mud acid; limited entry	3656, 3638, 3624
treat w/ 3000 gls. 15% AOG 200; (3) hole limited entry	3656, 3638 & 3624

Date of first production 1/26/84	Producing method (flowing, pumping, gas lift, etc.) Pumping	Gravity
Estimated Production-I.P.	Oil 50 bbls.	Gas MCF 0 %
Disposition of gas (vented, used on lease or sold)		Gas-oil ratio CFPB

Perforations

OPERATOR Black Diamond Oil, Inc. LEASE NAME Mollhagen

SEC. 32 TWP. 6S RGE. 20w

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<u>DRILL STEM TESTS</u>				
# 1) Interval: 3380-3403. Times: 15-30-15-30. Blow: Strong on both opens. Flow Pressures: 97-253 & 339-429. Shut-in Pressures: 1087-1087. Recovery: 850' of slightly gassy saltwater.				
# 2) Interval: 3466-3487. Times: 60-60-60-60. Blow: Weak, steady on both opens. Flow Pressures: 29-58 & 78-97. Shut-in Pressures: 1135-1116. Recovery: 70' of muddy water with oil spots in the top 10'.				
# 3) Interval: 3495-3535. Times: 45-45-45-45. Blow: Slow building to 7" on first open. Good to strong (14") on second open. Flow Pressures: 26-58 & 68-78. Shut-in Pressures: 1038-1029. Recovery: 50' of gas in the pipe, 15' of clean. gassy oil, 115' of oil-cut mud (15% oil, 17% gas, 4% water & 64% mud).				
# 4) Interval: 3549-3575. Times: 30-30-15-30. Blow: Stron on both opens. Flow Pressures: 87-332 & 400-498. Shut-in Pressures: 1155-1155. Recovery: 1035' of slightly gassy water, with a few specks of oil in the top 125'.				
# 5) Interval: 3632-3665. Times: 30-60-0-0. Blow: Weak, dead in 23 minutes on first open. No blow on second open. Flushed tool, no help. Flow Pressures: 68-68 & -----. Shut-in Pressure: 806- ----. Recovery: 10' of oil-cut mud(9% oil, 2% water, & 89% mud).				

ACID, FRACTURE, SHOT (Page #) CEMENT & SQUEEZE RECORD

Amount and kind of material used

Depth interval treated

retreat open hole w/ 2500 gls.; 20% hydrochloric &
10% acetic acid

open hole