

32-6-20W Jud

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

P1

SIDE ONE

Compt. _____

(Rules 82-3-100 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

ADDRESS 1105 E. 30th. Suite A COUNTY Rooks

Hays, Ks. 67601 FIELD Wildcat

** 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

ADDRESS Hays, Ks. 67601 the SE (Qtr.) SEC 32 TWP 6 RGE 20 (W). XBX

PLUGGING
CONTRACTOR
ADDRESS

WELL PLAT

(Office Use Only)

KCC
KGS ✓
SWD/REP
PLG.
NGPA

TOTAL DEPTH 3716 PBTD _____

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.

XBX

Side TWO

OPERATOR Black Diamond Oil, Inc. LEASE NAME Mollhagen WELL NO 1

SEC 32 TWP 6S RGE 20

(W)

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
<input type="checkbox"/> Check if no Drill Stem Tests Run. <input type="checkbox"/> Check if samples sent Geological Survey.				
Topeka Limestone	3232'			
Heebner shale	3438'			
Toronto Limestone	3461'			
Lansing-K.C.	3475'			
Base-K.C.	3668'			
Arbuckle	3706'			
RTD	3716'			

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 %	Water % Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)		Perforations

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	Pecker set at			
2 3/8" O.C.	3674'	3678'			

32-6-20w

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>				
<p># 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.</p>				
<p># 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'.</p>				
<p># 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, 7% gas, 4% water & 64% mud).</p>				
<p># 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'.</p>				
<p># 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).</p>				

MAY 29 1984

State Geological Survey
WICHITA BRANCH

ACID, FRACTURE, SHOT CEMENT & SQUEEZE RECORD

Amount and kind of material used	Depth Interval treated
retreat open hole w/ 2500 gls.; 20% hydrochloric &	open hole