29-16-10W

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt.____

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

F ____ Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

C ✓ Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238. ___ No Log

LICENSE # 6393 EXPIRATION DATE 6-30-83

OPERATOR BROUGHER OIL, INC. API NO. 15-053-20,800

ADDRESS 614 Patton Road, P. O. Drawer 1367 COUNTY Ellsworth

Great Bend, KS 67530 FIELD Stolenberg

** CONTACT PERSON Joe E. Brougher PROD. FORMATION Arbuckle

PHONE 316-793-5610

PURCHASER KOCH OIL COMPANY LEASE LANZL

ADDRESS Box 2256 WELL NO. #2

Wichita, KS 67201 WELL LOCATION NW SE NW

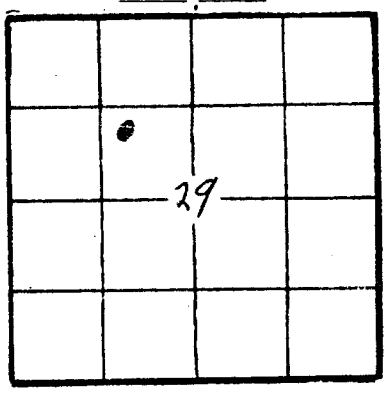
DRILLING CONTRACTOR BIG KAT, INC. 1650 Ft. from North Line and

ADDRESS P. O. Box 18154 1650 Ft. from West Line of ~~XXXX~~

Wichita, KS 67218 the NW/4 (Qtr.) SEC 29 TWP 16 RGE 10 (W).

PLUGGING CONTRACTOR ADDRESS

WELL PLAT



(Office Use Only)

KCC ____

KGS ✓

SWD/REP ____

PLG. ____

TOTAL DEPTH 3360' PBTD

SPUD DATE 2-14-83 DATE COMPLETED 3-10-83

ELEV: GR 1861 DF 1863 KB 1866

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE ____.

Amount of surface pipe set and cemented 650' DV Tool Used? ____.

THIS AFFIDAVIT APPLIES TO: (Circle ONE) (Oil), Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other ____.

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
3-10-83	Pumping	45

	Oil	Gas	Water	Gas-oil ratio
Estimated Production -I.P.	45 bbls.	MCF	% Trace bbls.	CFPB

Disposition of gas (vented, used on lease or sold)

Perforations
Producing open hole, Arbuckle

SIDE TWO

ACO-1 WELL HISTORY (E)

OPERATOR BROUGHER OIL, INC. LEASE LANZL SEC. 29 TWP. 16 RGE. 10W

FILL IN WELL INFORMATION AS REQUIRED: WELL NO. #2

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
Check if no Drill Stem Tests Run.			SAMPLE TOP	
Top Soil	0'	40'	Topeka	2602' - 736
Shale Clay	40'	410'	Heebner	2899' -1033
Shale	410'	639'	Toronto	2918' -1052
Anhydrite	639'	652'	Douglas	2930' -1064
Shale	652'	1415'	Brown Lime	3003' -1137
Lime & Shale	1415'	3350'	Lansing	3016' -1150
Lime	3350'	3360'	Base KC	3286' -1420
			Conglomerate	3314' -1448
DESCRIPTION	LOG DEPTH		Arbuckle	3330' -1464
LANSING	3018		RTD	3360' -1494
Limestone,buff to tan finely crystalline fossiliferous & slightly oolicastic w/vugular type porosity,fair odor slight show free gassy oil w/spotted stain & saturation (DST#1)	3024	3028	LOG TOP	
			Anydrite	645' +1221
			Topeka	2604' - 738
Limestone,cream buff finely crystalline oolitic & oolicastic w/good oolicastic porosity faint odor & very slight show free oil.(Covered in DST#1)	3052	3059	Heebner	2898' -1032
			Toronto	2919' -1053
			Douglas	2930' -1064
			Brown Lime	3004' -1138
DST#1: 3020-3059'; 30-30-30-30			Lansing	3018' -1152
Recovery: 15' mud w/oil specks			Base KC	3286' -1420
IFP 30-30;ISIP 51;FF 30-30; FSIP 51			Conglomerate	3315' -1449
			Arbuckle	3330' -1464
Limestone, cream & gray, dense to finely crystalline fossiliferous & oolicastic impart poor to fair visible porosity. Trace of light staining,no show free oil or odor.	3092	3098	Log TD	3359' -1493
Limestone, cream buff,finely crystalline highly oolicastic w/light odor & trace of stain. No show free oil.	3167	3171		
Limestone, white buff, dense oolicastic impart w/trace of light stain.	3232	3238		
Vari-colored oolitic chert limestone & shale.Sa[illegible] washing blood red.	3315	3329		
If additional space is needed use Page 2, Side 2				

Report of all strings set — surface, intermediate, production, etc. CASING RECORD XXXXXXXX (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	12¼"	8 5/8"	24#	650'	Common	350	6θ/40POZ,2%Gel,3%CC
Production	7 7/8"	5 1/2"	14#	3348'	Common	125	50/50POZ,18%Salt,
							.75CFR2,
							20 bbls. SaltFl

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD					
Size	Setting depth	Packer set at			
2"	3245'				

SIDE TWO (Page Two) ACO-1 WELL HISTORY

OPERATOR BROUGHER OIL, INC. LEASE NAME LANZL SEC. 29 TWP. 16 RGE. 10W

FILL IN WELL LOG AS REQUIRED: WELL NO. 2

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
Dolomite, brown to buff, dense to finely crystalline slightly oolitic & sucrosic inpart, light odor.	3330	3340		
Dolomite buff, brown finely crystalline to sucrosic oolicastic inpart w/pinpoint vugular porosity. (cov. DST#2)	3340	3350		
DST#2: 3334-3350'; 45-45-45-45 Recovery: 360' gas in pipe; 30' free oil; 120' heavy mud cut oil; 185' heavy oil cut mud. IFP 30-80; ISIP 923; FF 92-143; FSIP 902				
Dolomite, buff finely crystalline sucrosic w/pin-point porosity show free oil.	3350	3360		
DST#3: 3350-3360'; 45-45-45-45 Recovery: 60' gas in pipe; 1200' clean gassy oil; 300' froggy oil. IFP 41-390; ISIP 861; FFP 410-533; FSIP820 Temp. 97 45 gravity oil				

WELL LOG

29-16-10W

OPERATOR: Brougher Oil, Inc.

WELL NAME: Lanzl # 2 LOCATION: NW SE NW 29-16S-10W

COUNTY: Ellsworth STATE: Kansas

WELL COMMENCED: 2-14-1983 WELL COMPLETED: 2-22-1983

ELEVATION: TOTAL DEPTH: 3360'

PRODUCTION: yes RIG NO: 1

CASING - 8 5/8" 15 Jts. of used 8 5/8, # 24, tallied 645', set @ 650'. Cemented w. 350 sx of 60/40 POZ, 2% Gel, 3% CC.

5 1/2" 80 Jts. of used 5½", #14, tallied 3349', set @ 3348'. Cemented w. 125 sx of 50/50 POZ, 18% Salt,.75CFR 2, 20 bbls. Salt Flush.

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS
0'	40'	Top soil	Slope Test @ 2572' ½° off.	
40'	410'	Shale Clay		
410'	639'	Shale		
639'	652'	Anhydrite		
652'	1415'	Shale		
1415'	3350'	Lime & Shale		
3350'	3360'	Lime		

STATE OF KANSAS

COUNTY OF Sedgwick

The undersigned hereby certifies that to the best of his knowledge

29-16-10W

STATE OF KANSAS FORM C-2
STATE CORPORATION COMMISSION - CONSERVATION DIVISION
245 North Water
Wichita, Kansas 67202

DATA AND AFFIDAVIT

(On Cementing in Surface or Drive Pipe and required by Rule 82-2-123 of the Commission for compliance with Section 55-136, 55-137 and 55-138, 1947 Supplement to G.S. Kansas 1935)

LEASE OWNER Brbugher Oil, Inc.

OFFICE ADDRESS P. O. Drawer 1367, Great Bend, Kansas 67530

LEASE NAME Lanzl WELL NO. 2 COUNTY Ellsworth

EXACT SPOT LOCATION NW SE NW SEC. 29 TWP. 16S RGE. 10 (E) (W)

CONTRACTOR Big Kat, Inc.

OFFICE ADDRESS P. O. Box 18154, Wichita, Kansas 67218

Drilled with (Cable) or (Rotary) tolls: Date pipe set 2-15-1983

SURFACE HOLE DATA

Size of Hole 12¼" Csg. (new) or (used) Size 8 5/8 Wt.# 24

Depth 652' Where set 650'

METHOD OF CEMENTING

Cement: Amount and kind 350 sx of 60/40 POZ, 2% Gel, 3% CC.

Method: (By Service Co., Dump, Tog, etc.)

Est. Height Cement behind pipe

GROUND WATER INFORMATION

Depth to bottom of lowest fresh water producing stratum

Name of lowest fresh water producing stratum

Surface elevation of well

ADDITIONAL INFORMATION

(Additional information may be submitted on separate sheet)

A F F I D A V I T

STATE OF Kansas, COUNTY OF Sedgwick SS,

I, Gerald J. Kathol, of the Big Kat, Inc. Company, being first duly sworn on oath, state: That I have knowledge of the facts, statements and matters herein contained and that the same are true and correct.

Gerald J. Kathol