

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

22-31-16W

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 _____.

*Previously Sent

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

LICENSE # 7185 EXPIRATION DATE June 30, 1984

OPERATOR Luff Exploration Company API NO. 15-033-20,625

ADDRESS 1580 Lincoln COUNTY Comanche

Denver, CO 80203 FIELD N/A

** CONTACT PERSON Mr. Larry A. Carrell PROD. FORMATION N/A
PHONE (303) 861-2468 Indicate if new pay.

PURCHASER N/A LEASE LGK

ADDRESS WELL NO. D-22

WELL LOCATION _____

DRILLING H-30 Drilling, Inc. RECEIVED 660 Ft. from North Line and

CONTRACTOR STATE CORPORATION COMMISSION 660 Ft. from West Line of

ADDRESS 251 N. Water, Suite 10 JUL 18 1984 the NW (Qtr.) SEC 22 TWP 31 S RGE 16 (W).

Wichita, KS 67202

PLUGGING The Western Company CONSERVATION DIVISION

CONTRACTOR Wichita, Kansas

ADDRESS Box 1305

Woodward, OK 73801

TOTAL DEPTH 5080' PBD Surface

SPUD DATE 12/28/83 DATE COMPLETED 1/10/84

ELEV: GR 2033' DF 2040' KB 2040'

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 507' 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.

AFFIDAVIT

Richard A. Ferris, 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.

Richard A. Ferris
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 16TH day of July, 1984.

State Geological Survey
WICHITA BRANCH

MY COMMISSION EXPIRES: APRIL 7, 1987

Sally J. Snek
(NOTARY PUBLIC)
1580 Lincoln St., # 850
Denver, Colorado 80203

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

Side TWO
OPERATOR

Luff Exploration

LEASE NAME

LGK

SEC 22 TWP 31S RGE 16 (W)

WELL NO D-22

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.
Log Tops

Formation description, contents, etc.	Top	Bottom	Name	Depth
Check if no Drill Stem Tests Run.			Chase	2432'
Check if samples sent Geological Survey.			Council Grove	2803'
			Indian Cave	3255'
			Howard	3669'
			Topeka	3816'
Red bed & sand	0'	132'	Heebner	4179'
Red bed, sand & gypsum	132'	770'	Lansing	4392'
Red bed	770'	1214'	B. Kansas City	4823'
Red bed & shell	1214'	1994'	Marmaton	4839'
Shale	1994'	2100'	Cherokee	4964'
Lime & shale	2100'	5080'	Mississippian	5001'
Rotary total depth	5080'			
DST #1 - Misrun 4979' to 5021'				
DST #2 - 4941' to 5021'				
IF 30; ISI 60; FF 90; FSI 120				
IF: Weak surface blow throughout flow period.				
FF: Very weak surface blow throughout flow period.				
Recovery: 90' drlg mud; 60' SGC mud; 50' VSO & GC mud; Total 210'.				
Sample Chamber: 40 psig; .018 cfg; 2100 cc oil				
Sample Rw: .29 @ 68 degrees F.				
IH: 2383; IF: 93-166; ISI: 1455; FF: 176-176; FSI: 1382; FH: 2298; BHT: 120° F.				
DST #3 - 5004' to 5080'				
IF 30; ISI 60; FF 90; FSI 120				
IF: Weak blow increased to 1½" in 30 min.				
ISI: Died				
FF: Weak blow increased to 1" in 90 min.				
FSI: Died				
Recovery: Sample chamber: 500 cc mud; 600 cc water; 1100 cc Total				
Sample Rw: 61,750 ppm CL				
IH: 2469; IF: 62-133; ISI: 1435; FF: 133-236; FSI: 1343; FH: 2428; BHT: 120° F.				
Recovery: Drill Pipe: 390' Watery Mud				
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"	24#	507'	Class H	350	2% gel, 3% cc

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			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

Date of first production	Producing method (Flowing, pumping, gas lift, etc.)			Gravity	
Estimated Production-I.P.	Oil	Gas	Water	Gas-oil ratio	CFPS
	bbbl.		MCF	bbbl.	
Disposition of gas (vented, used on lease or sold)			Perforations		