

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 _____.

*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: 15-033-20,625-00-00

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 LCK

ADDRESS _____ WELL NO. D-22

RECEIVED
STATE CORPORATION COMMISSION

DRILLING H-30 Drilling, Inc. WELL LOCATION _____

CONTRACTOR _____ 660 Ft. from North Line and
ADDRESS 251 N. Water, Suite 10 660 Ft. from West Line of ~~KEX~~
Wichita, KS 67202 CONSERVATION DIVISION the NW (Qtr.) SEC 22 TWP 31 S RGE 16 (W).
Wichita, Kansas

PLUGGING The Western Company

CONTRACTOR _____

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 (~~SAME~~) (ROTARY) (~~API~~) 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.

A F F I D A V I T

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.

Jody T. Snook
(NOTARY PUBLIC)

MY COMMISSION EXPIRES: APRIL 7, 1987

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

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

Perforations