

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 7185
name Luff Exploration Company
address 1580 Lincoln Street, Suite 850
City/State/Zip Denver, CO 80203

Operator Contact Person Richard A. Ferris
Phone (303) 861-2468

Contractor: license # 5107
name H-30, Inc.

Wellsite Geologist Ray Palmer
Phone (316) 372-9091

PURCHASER N/A

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

RECEIVED
STATE CORPORATION COMMISSION
11-13-84
NOV 13 1984
CONSERVATION DIVISION
Wichita, Kansas

API NO. 15 033-20,660-00-00

County Comanche

E/2 SE NW Sec 26 Twp 31 Rge 16 IX
(Location)

3300 Ft North from Southeast Corner of Sec
3150 Ft West from Southeast Corner of Sec
(Note: locate well in section plat below)

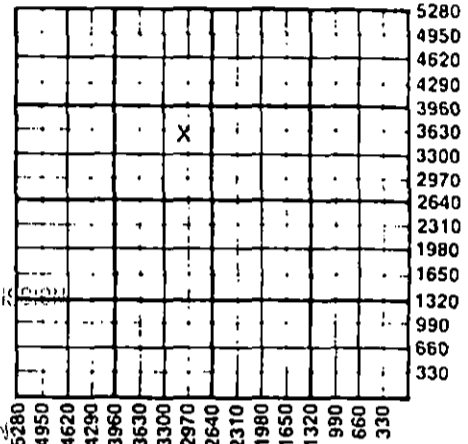
Lease Name LGK Well# F-26

Field Name Schuette

Producing Formation Not Productive

Elevation: Ground 2020' KB 2029'

Section Plat



WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
8-15-84 8-26-84 8-28-84
Spud Date Date Reached TD Completion Date

5100' 4920'
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 505 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

alternate 2 completion, cement circulated
from 505' feet depth to surface w/ 325 SX cmt

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

Groundwater (Well) Ft North From Southeast Corner
Ft. West From Southeast Corner
Sec Twp Rge East West

Surface Water (Stream, Pond etc.) Ft North From Southeast Corner
Ft West From Southeast Corner
Sec Twp Rge East West

Other (explain) Private Source
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-10 or confidentiality in excess of 12 months.

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Richard A. Ferris

Title Production Superintendent Date 9/26/84

Subscribed and sworn to before me this 26th day of September, 1984

Notary Public Sally E. Brock
Notary Commission Expires 4-8-87

1580 Lincoln St., # 850
Denver, Colorado 80203

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Operator Name Luff Exploration Co. Lease Name LCK Well# F-26SEC 26 TWP. 31S RGE. 16

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem test giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached sta level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 DST's and logs sent under separate cover.

Formation Description
 Log Sample

DST #1: 4833' to 4944' Mississippian
 Times: 15-60-90-120
 IF: Opened tool w/ 3" blow. Blow remained 3" throughout flow.
 FF: Opened tool w/ 3" blow. Increased to bottom of flow bucket in 2 min. Remained at bottom of bucket. NGTS.
 Pipe Recovery: 600' Gas in pipe
 80' (4 BBL) slightly gas cut mud, no oil show
 80' (4 BBL) Total Recovery
 Sample Chamber: 21 PSIG; 0.02 CFG
 1710 cc Mud
 Pressures: (PSIG) IH 2446 FF 76-76
 IF 59-76 FSI 929
 ISI 195 FH 2454
 BHT 129° F

DST #2: 4939' to 4959' Mississippian
 Times: 15-60-90-145
 IF: Very weak surface blow throught flow period.
 FF: Opened tool w/ weak surface blow. Increased to 3" in 5 min and remained at 3" throughout flow period.
 Pipe Recovery: 300' Gas in pipe
 15' Watery mud w/ trace of oil
 15' Total Recovery
 Sample Chamber: 15 PSIG; 0.015 CFG
 200 cc oil
 200 cc water
 1600 cc mud
 2000 cc Total
 Pressures: (PSIG) IH 2463 FF 51-59
 IF 51-59 FSI 1031
 ISI 744 FH 2455
 BHT 120° F

Name	Top	Bottom
Red bed & shale	0'	15'
Shale	1536'	17'
Shale & red bed	1750'	208'
Shale	2085'	237'
Lime & shale	2375'	510'
Rotary total depth	5100'	
Log Tops		
Chase	2409'	
Council Grove	2775'	
Onaga Shale	3218'	
Howard	3632'	
Topeka	3791'	
Heebner	4134'	
Douglas Shale	4171'	
Douglas Sand	4223'	
Lansing	4325'	
Base Kansas City	4765'	
Marmaton	4781'	
Pawnee	4811'	
Ft. Scott	4884'	
Cherokee	4893'	
Mississippian	4917'	
Kinderhook Shale	5052'	

CASING RECORD new used

Report all strings set - conductor, surface, intermediate, production, etc.

Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
SURFACE	12-1/4"	8-5/8"	24#	505'	Lite	225	3% cc
PRODUCTION	7-7/8"	5-1/2"	14#	5100"	Class A 50/50 poz	100 200	3% cc, 2% gel 10% salt, 10% 75% CFR2

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
1	4948' to 4967'	2000 gallons .15% HCL	4948' to 6
2	4822' to 4824' (4 holes)	Sand-gelled water frac-39,000 gal. w/ 43,000#. 20/40 & 16,000#. 10/20 sand	4948' to 6
		500 gallons .15% HCL, 2500 gallons	4822' to 2
		15% HCL & 2500 gallons .15% HCL	(3 Jobs)

TUBING RECORD size 2-7/8" set at 4801' packer at N/A Liner Run Yes No

Date of First Production	Producing method	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Shut-in	<input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input checked="" type="checkbox"/> Other (explain) <u>Not Productive</u>					
Estimated Production Per 24 Hours		Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION
 disposition of gas: vented open hole perforation
 sold other (specify) _____
 used on lease Dually Completed.
 Commingled