

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 St., Suite 850
Denver, CO 80203
City/State/Zip

Purchaser

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

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist Greg Magruder
Phone (303) 861-2468

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If **OWNO**: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
5-5-88 5-10-88 5-12-88
Spud Date Date Reached TD Completion Date
4782'
Total Depth PBTD
8-5/8" @ 344'
Amount of Surface Pipe Set and Cemented at...feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated
from...feet depth to...w/...SX cmt
Cement Company Name
Invoice #
AIR I OPA

API NO. 15-153-20,715-00-00
County Rawlins
SE SW 7 4S 36W East West

660 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

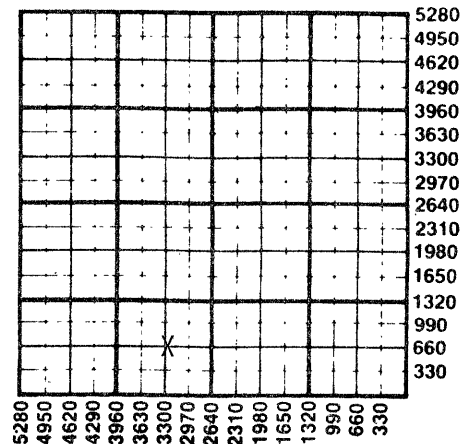
Lease Name GoItl "N" #7 Well #

Field Name

Producing Formation

Elevation: Ground 3334' KB 3339'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717
Source of Water: Pumped.
Division of Water Resources Permit #
Groundwater...Ft North from Southeast Corner (Well) ...Ft West from Southeast Corner of Sec Twp Rge East West
Surface Water...Ft North from Southeast Corner (Stream, pond etc)...Ft West from Southeast Corner Sec Twp Rge East West
Other (explain) (purchased from city, R.W.D. #)

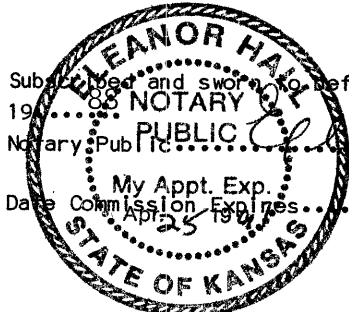
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for 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 [Signature]
Title Drilling Manager Date 5-19-88

Subscribed and sworn to before me this 19 day of May 1988
NOTARY PUBLIC Eleanor Hall
My Appt. Exp. 4-25-91
Date Commission Expires

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)
6-7-88



RECEIVED STATE CORPORATION COMMISSION
JUN 7 1988
CONSERVATION DIVISION
Wichita, Kansas
6-7-88

Operator Name Luff Exploration Company Lease Name Goltl Well # "N" 7

Sec 7 Twp 4S Rge 36W East West County Rawlins

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static 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 [X] Yes [] No
Samples Sent to Geological Survey [] Yes [X] No
Cores Taken [] Yes [X] No

Formation Description [X] Log [] Sample

DST #1 - 4701'-4721' - Times 15-60-60-90
Recovery: 170' Gas in Collars
82' Clean Oil (25 API @ 60 F)
40' Oil Cut Mud (18% Oil; 82% Mud)
122' Total Fluid
Pressures: IH 2411 FF 52468
IF 38-40 FSI 1166
ISI 1203 FH 2341
BHT 131 F

Table with 3 columns: Name, Top, Bottom. Lists formations like Stone Corral, Topeka, Oread, Heebner Shale, Douglas Sand, Lansing Kansas City, Marmaton, Pawnee, Labette Shale, Fort Scott, Cherokee Shale, Cherokee Lime, Penn. Conglomerate, Cherokee Sand with their respective top and bottom depths.

DST #2 - 4304'-4361' (Driller Depth) Times 15-60-60-90
4298'-4355' (Log Depth)
Recovery: 80' Mud; No Oil Shows
Pressures: IH 2197 FF 81-91
IF 70-70 FSI 1283
ISI 1422 FH 2167
BHT 120 F

CASING RECORD [X] New [] Used
Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Row 1: Surface, 12 1/4", 8-5/8", 24#, 324, 60-40 Poz, 200, 3% cc.

PERFORATION RECORD and Acid, Fracture, Shot, Cement Squeeze Record. Columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.

TUBING RECORD. Columns: Size, Set At, Packer at, Liner Run [] Yes [] No.

Date of First Production Producing Method [] Flowing [] Pumping [] Gas Lift [] Other (explain).....

Estimated Production Per 24 Hours. Columns: Oil (Bbls), Gas (MCF), Water (Bbls), Gas-Oil Ratio (CFPB), Gravity.

METHOD OF COMPLETION Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease [] Open Hole [] Perforation [] Other (Specify) [] Dually Completed [] Commingled