

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 # 4767
Name Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000
Wichita, KS 67202
City/State/Zip

Purchaser N/A

Operator Contact Person Jeff Christian
Phone 316-267-4375

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist Jeff Christian
Phone 316-267-4375

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

If **OWWO**: old well info as follows:
Operator
Well Name
Comp. Date 2000 Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1-3-88 1-9-88 1/10/88
Spud Date Date Reached TD Completion Date

3755' N/A
Total Depth PBDT

8-5/8" @ 217'
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 #

API NO. 15- 163-22,978 00-00
County Rooks
1600' FWL &
340' ENL SW/4 Sec 31 Twp 6S Rge 20 East
IRREGULAR SECTION

2300' Ft North from Southeast Corner of Section
3300' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

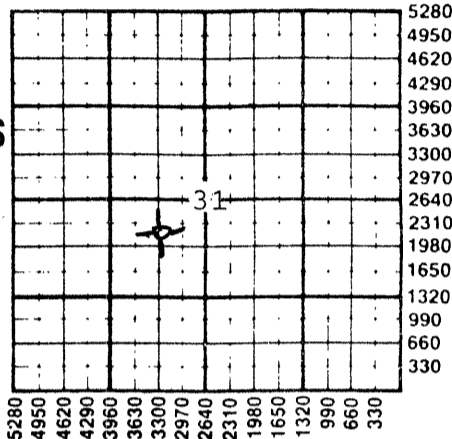
Lease Name Lunney-Schuck Well # 1

Field Name

Producing Formation N/A

Elevation: Ground 2240' KB 2245'

Section Plat



PLEASE KEEP THIS INFORMATION CONFIDENTIAL

WATER SUPPLY INFORMATION

Disposition of Produced Water: N/A Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Hauled.
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

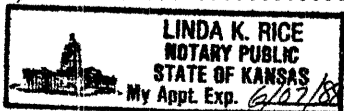
Other (explain) (purchased from city, R.W.D. #)

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 Vice President Date 3/25/88

Subscribed and sworn to before me this 25th day of March 1988.
Notary Public Linda K. Rice
Date Commission Expires 6/07/88



K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
RECEIVED SWD/Rep NGPA
KANSAS COMMISSION Plug Other (Specify)
MAY 26 1988

Sec. 31 Twp. 6 Rge. 20 E

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Lunney-Schuck Well # 1

Sec. 31 Twp. 6S Rge. 20 East West County Rooks

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 3440'-3494' (Toronto & Top zone).
 Recovered 30' of mud w/ oil specks on top.
 IFP: 43-54#/45"; ISIP: 1060#/60";
 FFP: 65-76#/45"; FSIP: 985#/60".

Name	Top	Bottom
Anhydrite	1837' (+ 408)	
B/Anhy	1869' (+ 376)	
Topeka	3236' (- 991)	
Heebner	3443' (-1198)	
Toronto	3464' (-1219)	
Lansing	3477' (-1232)	
B/KC	3672' (-1427)	
Arbuckle	3741' (-1496)	
LTD	3754' (-1509)	

DST #2 from 3498'-3544' (350' & 150' zones).
 Recovered 154' of watery mud w/a few specks of oil.
 IFP: 43-76#/45"; FSIP: 1167#/45";
 FFP: 87-120#/45"; FSIP: 1157#/45".

DST #3 from 3586'-3679' (140', 160', 180', 200' & 220' zones). Recovered 15' of mud, no show of oil.
 IFP: 65-65#/30"; ISIP: 239#/30";
 FFP: 76-76#/30"; FSIP: 239#/30".

RELEASED
 PLEASE KEEP THIS INFORMATION CONFIDENTIAL
 APR 17 1989
 4-17-89
 FROM CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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#	217'	60-40 Poz	160	2% gel, 3% cc
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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