

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

5

API NO. 15-039-20,809-00-00  
County Decatur  
40' N & 20' W  
E/2 NE SW 11 2S 30 East  
Sec. Twp. Rge. X West

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

2020 Ft North from Southeast Corner of Section  
2990 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser n/a

Lease Name Mines Well # 1

Operator Contact Person Rocky Milford  
Phone 316-267-4375

Field Name

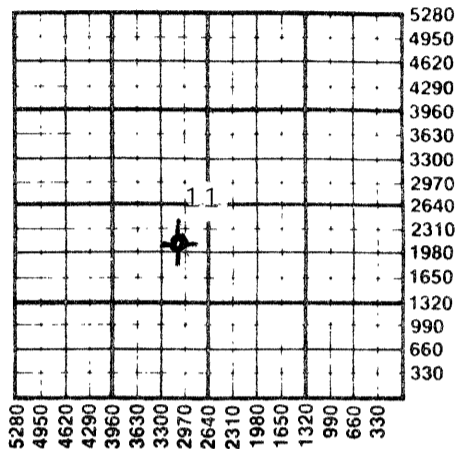
Producing Formation n/a

Contractor: License # 6033  
Name Murfin Drilling Company

Elevation: Ground 2691' 2696' KB

Wellsite Geologist Bob Mathiesen  
Phone 316-267-4375

Section Plat



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

WATER SUPPLY INFORMATION

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

Disposition of Produced Water: Disposal  
Docket # Repressuring

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
4-21-87 4-26-87 4/26/87  
Spud Date Date Reached TD Completion Date  
3920' n/a  
Total Depth PBTD 8-5/8" @ 318'  
Amount of Surface Pipe Set and Cemented at...feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set...feet  
If alternate 2 completion, cement circulated  
from...feet depth to...w/...SX cmt  
Cement Company Name  
Invoice #

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

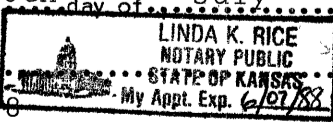
Other (explain) (purchased from city, R.W.D. #)

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 Robert L. Milford  
Title Geologist Date 7/16/87

Subscribed and sworn to before me this 16th day of July 1987  
Notary Public Linda K. Rice  
Date Commission Expires 6/07/88



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)  
07-20-1987  
Form ACO-1 (5-86)

Sec 11 Twp. 2 S. Rge 30 E

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Mines Well # J

Sec. 11 Twp. 2S Rge. 30  East  West County Decatur

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 from 3695' to 3740' (Lansing "D" zone). Recovered 180' of muddy water.  
 IFP: 54-76#/45"; ISIP: 1051#/45";  
 FFP: 108-108#/45"; FSIP: 932#/45".

Name	Top	Bottom
Anhydrite	2443' (+ 253)	
B/Anhy	2476' (+ 220)	
Topeka	3475' (- 779)	
Heebner	3638' (- 942)	
Lansing	3686' (- 990)	
B/KC	3912' (-1216)	
RTD	3920' (-1224)	

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"	23#	318'	60-40 Poz	230	3% cc., 2% gel
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 .....