

Blugging 11-17-87

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 Bob Mathiesen  
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 OWNO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary  Air Rotary  Cable

11-11-87 11-15-87 11/16/87  
Spud Date Date Reached TD Completion Date

3925' N/A  
Total Depth PBTD

8-5/8" @ 254'

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. 15-153-20,699-00-00

County Rawlins

C. NE NW Sec. 1 Twp. 2S. Rge. 31. West

4620 Ft North from Southeast Corner of Section  
3300 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

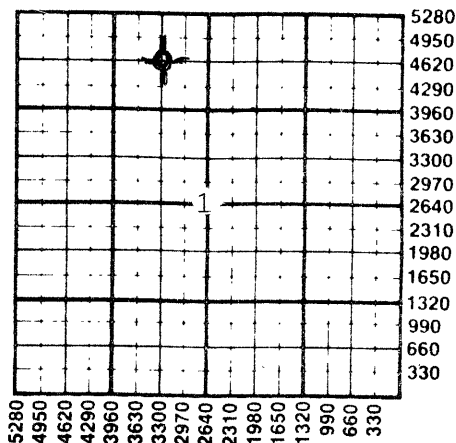
Lease Name Joe Herzog Well # 1

Field Name

Producing Formation N/A

Elevation: Ground 2656' KB 2661'

Section Plat



WATER SUPPLY INFORMATION

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

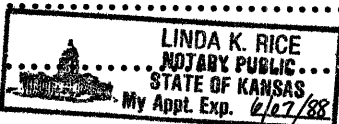
Signature [Signature]

Title Vice President Date 1/19/88

Subscribed and sworn to before me this 19th day of January 1988

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)

JAN 21 1988

CONSERVATION DIVISION  
Wichita, Kansas

1-21-88

Sec. 1 Twp. 2S. Rge. 31E

**SIDE TWO**

Operator Name Ritchie Exploration, Inc. Lease Name Joe Herzog Well # 1

Sec. 1 Twp. 2S Rge. 31  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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

DST #1 from 3766'-3796' ("H" zone).  
 Recovered 210' of muddy water.  
 IFP:40-70#/45"; ISIP:1215#/60".  
 FFP:80-100#/45"; FSIP:1185#/60".

DST #2 from 3793'-3840' ("J" zone).  
 Recovered 5' of mud with oil spots in tool.  
 IFP:38-38#/30"; ISIP:57#/30";  
 FFP:38-38#/30"; FSIP:47#/30".

Name	Top	Bottom
Anhydrite	2447' (+ 214)	
B/Anhydrite	2480' (+ 181)	
Topeka	3509' (- 848)	
Oread	3608' (- 947)	
Heebner	3621' (- 960)	
Lansing	3655' (- 994)	
B/KC	3916' (-1255)	
RTD	3925' (-1264)	

<b>CASING RECORD</b> <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#	254'	60-40 Poz	180	3% cc, 2% ge
<b>PERFORATION RECORD</b>				<b>Acid, Fracture, Shot, Cement Squeeze Record</b>			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
<b>TUBING RECORD</b>				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 .....