

RELEASED

MAR 1 1989

STATE CORPORATION COMMISSION OF KANSAS FROM OIL AND 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 Koch Oil Company Wichita, KS

Operator Contact Person Jeff Christian Phone 316-267-4375

Contractor: License # 6033 Name Murfin Drilling Company

Wellsite Geologist Bob Mathiesen Phone 316-267-4375

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

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

WELL HISTORY

Drilling Method: X Mud Rotary, Air Rotary, Cable. Spud Date: 11-2-87, Date Reached TD: 11-10-87, Completion Date: 12/19/87. Total Depth: 3720', PBTD: 3618'. Amount of Surface Pipe Set and Cemented at: 8-5/8" @ 218'. Multiple Stage Cementing Collar Used? X Yes, No. If yes, show depth set: 1780'. If alternate 2 completion, cement circulated from: 1780' feet depth to surface, 475' SX cmt. Cement Company Name: Allied Cementing Co. Invoice #: 50241.

SIDE ONE

API NO. 15-163-22,958 County: Rooks NW SE SW Sec. 6 Twp. 7S Rge. 20 East West

990 Ft North from Southeast Corner of Section 3630 Ft West from Southeast Corner of Section (Note: Locate well in section plat below)

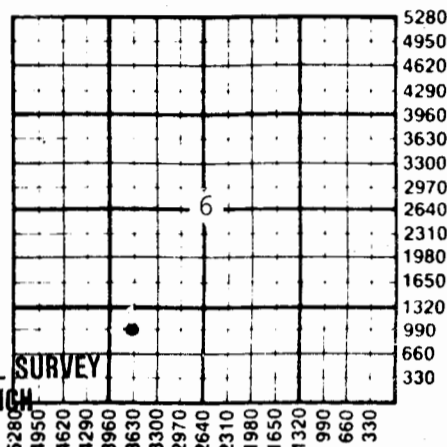
Lease Name R. V. Jones Well # 2

Field Name

Producing Formation Lansing

Elevation: Ground 2202' KB 2207'

Section Plat



APR 05 1989

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

KANSAS GEOLOGICAL SURVEY WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water: X Disposal, Docket # D-25,274, 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: 2/8/88

Subscribed and sworn to before me this 8th day of February, 1988. Notary Public: Linda K. Rice Date Commission Expires: 6/07/88

FEB 18 1988

LINDA K. RICE NOTARY PUBLIC STATE OF KANSAS My Appt. Exp. 6/07/88

K.C.C. OFFICE USE ONLY. Letter of Confidentiality Attached, Wireline Log Received, Drillers Timelog Received, Distribution: KCC, SWD/Rep, NGPA, KGS, Plug, Other (Specify).

Form ACO-1 (5-86)

Sec 6, Twp 7, Rge 20 W

SIDE TWO

Operator Name **Ritchie Exploration, Inc.** Lease Name **R. V. Jones** Well # **2**

Sec. **6** Twp. **7S** 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 3341'-3363' (Lower Topeka). Rec. 130' of muddy water, no show of oil.
 IFP: 65-65#/30"; ISIP: 907#/45";
 FFP: 79-79#/30"; FSIP: 907#/45".

DST #2 3395'-3430' (Toronto). Rec. 400' of clean gassy oil and 116' of oil cut mud.
 IFP: 87-131#/30"; ISIP: 1179#/45";
 FFP: 185-270#/30"; FSIP: 1168#/45".

DST #3 3429'-3454' (Top zone). Rec. 488' of muddy water. IFP: 87-120#/30"; ISIP: 1071#/45";
 FFP: 218-251#/30"; FSIP: 1071#/45".

DST #4 3456'-3498' (35' & 50' zones). Rec. 1496' of gas in pipe; 960' of clean gassy oil; 630' of froggy oil; & 270' of slightly oil cut muddy water.
 IFP: 294-480#/30"; ISIP: 1147#/30";
 FFP: 546-677#/30"; FSIP: 1147#/30".

Name	Top	Bottom
Anhydrite	1809' (+ 398)	
B/Anhydrite	1839' (+ 368)	
Topeka	3189' (- 982)	
Heebner	3397' (-1190)	
Toronto	3419' (-1212)	
Lansing	3433' (-1226)	
B/KC	3630' (-1423)	
Arbuckle	3706' (-1499)	
LTD	3721' (-1514)	

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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 1/2"	8-5/8"	24#	218'	60/40 Poz	150	2% gal. 3% CP
Production	7-7/8"	4 1/2"	10.5#	3689'	60/40 poz	125	10% salt
						10	salt flush
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2 SSB	3624'-3627'			Acidized w/600 g. of 28%		3624'-27'	
2 SSB	3475'-3477'; 3469'-3472'			Acidized w/750 g. of 28%		3475'-77'	
						3469'-7'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method						
12/19/87	<input type="checkbox"/> Flowing <input checked="" 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	
	32 Bbls	0 MCF	98 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3475'-77' &
 Used on Lease Dually Completed 3469'-3472'
 Commingled

OPERATOR Ritchie Explor., Inc. LEASE NAME R.V. Jones

SEC. 6 TWP. 7S RGE. 20 (E) (W)

FILL IN WELL LOG AS REQUIRED:

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC. <small>Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.</small>	TOP	BOTTOM	NAME	DEPTH
<p>DST#5 3495'-3519' (70' & 90' zones). Recovered 730' of muddy water w/trace of oil. IFP:120-240#/30"; ISIP:1049#/45"; FFP:305-360#/30"; FSIP:1049#/45";</p> <p>DST#6 3542'-3604' (140'-180' zones). Recovered 20' of oil cut mud. IFP:76-76#/30#; ISIP:513#/45"; FFP:76-76#/30#; FSIP:120#/45".</p>				
<p>PLEASE KEEP THIS INFORMATION CONFIDENTIAL</p>				