

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 Koch Oil Company  
Wichita, Kansas

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 Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
6-5-87 6-14-87 7-11-87  
Spud Date Date Reached TD Completion Date  
3720' 3632'  
Total Depth PBSD  
8-5/8" @ 214'  
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 1774 feet surface 385 SX cmt  
Cement Company Name Allied Cementing  
Invoice # 48972

API NO. 15-163-22,925-00-00  
County Rooks  
60' N & 30' E of  
NW SW SW Sec. 6 Twp. 7 Rge. 20 West  
1050 Ft North from Southeast Corner of Section  
4920 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

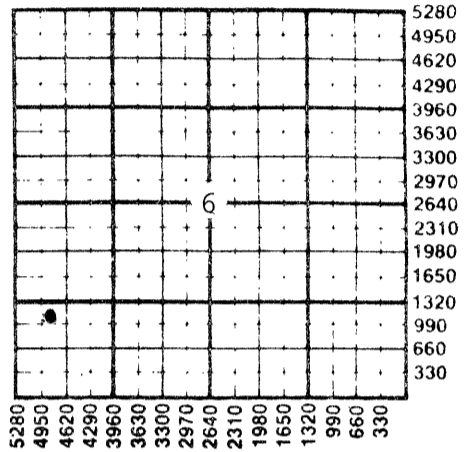
Lease Name R. V. Jones Well # 1

Field Name Le Sage, NW

Producing Formation Lansing

Elevation: Ground 2170' KB 2175'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring  
Making no water at present.

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.

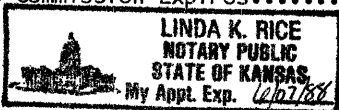
Signature [Signature] President

Title President Date 10/14/87

Subscribed and sworn to before me this 14th day of October 1987

Notary Public [Signature]

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  
NOV 9 1987  
11:09:1987  
CONSERVATION DIVISION  
Wichita, Kansas  
Form ACO-1 (5-86)

Sec. 6 Twp. 7 Rge. 20W

Operator Name ..... Lease Name..... Well #.....

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

DST #1 3364'-3400' (Toronto). Recovered 660' of gas in pipe, 1200' clean gassy oil. IFP:105-286#/30"; ISIP:1121#/30"; FFP:360-455#/30"; FSIP:1100#/30".

DST #2 3396'-3400' (Top Zone). Misrun. Packer failed.

DST #3 3398'-3400' (Top Zone). Recovered 1680' of salt water w/ scum of oil. IFP:116-497#/30"; ISIP:1048#/30"; FFP:560-757#/30"; FSIP:1058#/30".

DST #4 3425'-3466' (35' & 50' zones). Recovered 780' of gas in pipe, 300' clean gassy oil, 300' slightly oil cut muddy water, 480' mud cut water. IFP:127-317#/30"; ISIP:1142#/30"; FFP:391-466#/30"; FSIP:1131#/30".

DST #5 3463'-3488' (70' & 90' zones). Recovered 360' muddy water w/ oil spots. IFP:52-95#/30"; ISIP:1079#/45". FFP:137-190#/30"; FSIP:1069#/45".

Formation Description		
Name	Top	Bottom
Anhydrite	1773' (+ 402)	
B/Anhydrite	1805' (+ 370)	
Topeka	3158' (- 983)	
Heebner	3365' (-1190)	
Toronto	3387' (-1212)	
Lansing	3400' (-1225)	
B/KC	3593' (-1418)	
Arbuckle	3660' (-1485)	
LTD	3718' (-1543)	

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"	23#	214'	60-40 Poz	150	2% gel, 3% cc
Production	7-7/8"	5-1/2"	14#	3716'	60-40 Poz	125	10% salt

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	3660 1/2' - 3664'	500 gal. of 15% MCA	3660 1/2' - 64'
one 3/8"	3563' & 3550'	1200 gal. of 28% acid	3563' & 3550'
2 SSB	3660' - 64'; 3548' - 3551 1/2'		

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method
7/11/87	<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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	90		0		

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  Solid  Other (Specify) ..... 3660' - 64' &  Used on Lease  Dually Completed  Commingled ..... 3548' - 3551 1/2'

OPERATOR Ritchie Exploration, LEASE NAME R. V. Jones#1 SEC. 6 TWP. 7 RGE. 20 (W)

**FILL IN WELL LOG AS REQUIRED:**

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

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.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #6 3511'-3570' (140',160'&amp;180' zones). Recovered 300' of gas in pipe and 1050' clean gassy oil. IFP:95-286#/30"; ISIP:861#/30"; FFP:345-423#/30"; FSIP:840#/30".</p> <p>DST #7 3568'-3600' (200'&amp;220' zones). Recovered 3' of mud w/ oil spots. IFP:42-42#/30"; ISIP:42#/30"; FFP:42-42#/30"; FSIP:42#/30".</p> <p>DST #8 3590'-3670' (Arbuckle). Recovered 10' free oil, 110' oil cut mud. IFP:63-74#/30"; ISIP:840#/45"; FFP:84-95#/30"; FSIP:726#/45".</p> <p>DST #9 3669'-3680' (Arbuckle). Recovered 3' mud w/ oil spots. IFP:52-42#/30"; ISIP:42#/30"; FFP:42-42#/30"; FSIP:42#/30".</p>				

RECEIVED  
STATE CORPORATE COMMISSION  
NOV 9 1987  
CONSERVATION DIVISION  
Wichita, Kansas