

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
City/State/Zip Wichita, KS 67202

Purchaser Koch Oil Company
Wichita, Kansas

Operator Contact Person Jeff Christian
Phone 316/267-4375

Contractor: License # 6033
Name Murfin Drilling Co.

Wellsite Geologist Bob Buffo
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 OMWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
2/03/86 2/09/86 2/27/86
Spud Date Date Reached TD Completion Date
3600' n/a
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 244.75' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1643' feet
If alternate 2 completion, cement circulated from 1643' feet depth to surface 350' SX cmt
Cement Company Name Allied Cementing Co.
Invoice # 46127

API NO. 15-163-22,871-00-00
County Rooks
SW NE SW Sec 21 Twp 7 Rge 20 East West

1650 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Lloyd Cook Well # 1

Field Name unknown Cocinera North

Producing Formation Lansing

Elevation: Ground 2062' KB 2067'
Section Plat

WATER SUPPLY INFORMATION

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

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
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 duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.

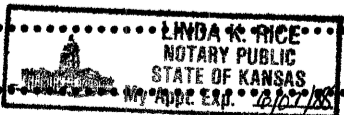
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 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 President Date 3/26/86

Subscribed and sworn to before me this 26th day of March 1986

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
(Specify)

MAR 27 1986

3-27-86

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name..... Lloyd Cook Well #..... 1

Sec..... 21 Twp..... 7 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 from 3244' to 3304' (Toronto & Top zone). Recovered 100' of oil cut mud (30% oil & 70% mud) and 120' of oil cut watery mud (25% oil, 15% water, & 60% mud).
 IFP:47-76#/30"; ISIP:1068#/45";
 FFP:114-152#/30"; FSIP:1068#/45".

DST #2 from 3317' to 3361' (35' & 50' zones). Recovered 20' of clean oil and 782' of water with scum of oil.
 IFP:85-267#/30"; ISIP:1126#/30";
 FFP:324-381#/30"; FSIP:1126#/30".

DST #3 from 3356' to 3371' (70' zone). Recovered 5' of clean oil, 55' of watery mud with trace of oil, and 805' of water with a scum of oil.
 IFP:57-276#/30"; ISP:1077#/30";
 FFP:343-419#/30"; FSIP:1076#/30".

Name	Top	Bottom
Anhydrite	1637' (+ 430)	
B/Anhydrite	1669' (+ 398)	
Topeka	3044' (- 977)	
Heebner	3248' (-1181)	
Toronto	3270' (-1203)	
Lansing	3286' (-1219)	
B/KC	3488' (-1421)	
Ero. Arb.	3545' (-1478)	
Solid Arb.	3586' (-1519)	
LTD	3598' (-1531)	

DST #4 3449'-3496' (180', 200' & 220' zones). Recovered 180' of mud cut oil; 120' of heavy oil cut mud; & 100' of slightly oil cut mud.
 IFP:66-162#/30"; ISIP:1088#/45";
 FFP:210-219#/30"; FSIP:1032#/45".

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#	251'	60/40poz	175	2% gel, 3% GC
production	7-7/8"	4 1/2"	10.5#	3599'	60/40poz	190	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	
one 3/8"	3484'-3484'	3472'-3472'	3453'-3453'	1500 gal. of 15% MCA		3484'; 3472';	
2 SSB	3480'-85'	3471'-74'	3451'-54'			& 3453'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method						
2/27/86	<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		
	25Bbls	MCF	0 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

Lansing (same

 perfs. as above)
