

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 Galen Babcock
Phone 316/267-4375

Contractor: License # 6033
Name Murfin Drilling Co.

Wellsite Geologist Larry Zink
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 OWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1/10/86 1/17/86 2/05/86
Spud Date Date Reached TD Completion Date
3710' n/a
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 252 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1855 feet
If alternate 2 completion, cement circulated from 1855 feet depth to surface 350' SX cmt
Cement Company Name Allied Cementing Co.
Invoice # 513

API NO. 15-065-22,293-00-00
County Graham
SE SE NW Sec. 7 Twp. 6S Rge. 21 East
West

2970 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Nola Frazey Well # 3
Field Name Newboys Boys, West
Producing Formation Lansing
Elevation: Ground 2195 KB 2200
Section Plat

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # D-20,496 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.

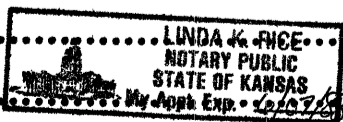
Signature [Signature]

Title President Date 3/24/86

Subscribed and sworn to before me this 24th day of March 1986

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)

STATE CORPORATION COMMISSION Form ACO-1 (7-84)

MAR 26 1985
3-26-86
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name..... Nola Frazey Well #..... 3

Sec..... 7 Twp..... 6S Rge..... 21 East West County..... Graham

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 3347' to 3387' (Lower Topeka) Recovered 240' of gas in pipe; 1620' of very slightly mud and water cut gassy oil; and 120' of gassy oil cut watery mud.
 IFP: 250-586#/15"; ISIP: 1124#/30";
 FFP: 683 - 736#/15"; FSIP: 1124#/30".

Name	Top	Bottom
Anhydrite	1850' (+ 350)	
B/Anhydrite	1882' (+ 318)	
Topeka	3206' (-1006)	
Heebner	3395' (-1195)	
Toronto	3422' (-1222)	
Lansing	3438' (-1238)	
B/KC	3626' (-1426)	
Cong. sc.	3674' (-1474)	
Granite wash	3690' (-1490)	
LTD	3708' (-1508)	

DST #2 from 3395' to 3458' (Toronto & Top zones). Recovered 60' of gas in pipe and 305' of gassy oil cut mud (18% gas, 44% oil, & 38% mud).
 IFP: 87-109#/30"; ISIP: 424#/30";
 FFP: 141-152#/30"; FSIP: 413#/30".

DST #3 from 3459' to 3496' (35' & 50' zones). Recovered 720' of gas in pipe, 20' of clean gassy oil, 240' of gassy oil cut mud, and 120' of gassy oil cut mud with a trace of water.
 IFP: 98-130#/30"; ISIP: 272#/30"; FFP: 174-174#/30"; FSIP: 272#/30"

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#	252'	60/40poz	185	2% gel 3% CC
Production.....	7-7/8"	5 1/2"	14.5#	3698'	60/40poz	110	10% salt & 3% gilsonite
						10	salt flush
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
1-3/8".....	3591' & 3581'			1000 gal. of 28% acid		3591' & 3581'	
2SSB.....	3589'-92'; 3580'-3583'; 3486'			3,500 gal. of 28% acid		3589'-92'; 3580'-83'; 3471'-74'; 3439'-44'; 3486'-90'	
	90'; 3471'-74'; & 3439'-44'						
TUBING RECORD Size Set At Packer at				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production 2/05/86		Producing Method <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 25 Bbls	Gas MCF	Water 26 Bbls	Gas-Oil Ratio CFPB	Gravity	

METHOD OF COMPLETION

Production Interval

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

15-065-22293-0000

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR Ritchie Exploration, Inc. LEASE NAME Nola Frazey

SEC.7 TWP.6S RGE21W

FILL IN WELL LOG AS REQUIRED:

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.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #4 from 3497' to 3507' (70' zone). Recovered 60' of gas in pipe, 60' of gassy oil cut mud and 5' of gassy mud cut oil. IFP:33-43#/30"; ISIP:359#/45"; FFP:65-65#/30"; FSIP:174#/45".</p>				
<p>DST #5 from 3537' to 3604' (140', 160', & 180' zones). Recovered 80' of slightly gassy oil cut mud (7% gas, 33% oil & 60% mud). IFP:54-54#/30"; ISIP:823#/45"; FFP:87-87#/30"; FSIP:748#/45".</p>				
<p>DST #6 from 3598' to 3636' (200' & 220' zones). Recovered 5' of mud, scum of oil. IFP:43-43#/30"; ISIP:813#/30"; FFP:43-43#/30"; FSIP:794#/30".</p>				
<p>DST #7 from 3673' to 3690' (Conglomerate sand). Recovered 10' of mud, scum of oil IFP:32-32#/30"; ISIP:759#/45"; FFP:32-32#/30"; FSIP:640#/45".</p>				
<p>DST #8 from 3507' to 3523' (90' & 100' zones) with straddle packers. Bottom packer failed. Recovered 210' of slightly gassy oil cut watery mud and 180' of slightly gassy mud cut water. IFP:87-109#/30"; ISIP:888#/30"; FFP:163-163#/30"; FSIP:847#/30".</p>				

RECEIVED
STATE CORPORATION COMMISSION

MAR 26 1986

CONSERVATION DIVISION
Wichita, Kansas