

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 n/a

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

WELL HISTORY

Drilling Method:
 Mid Rotary Air Rotary Cable
1/03/86 1/09/86 1/30/86
Spud Date Date Reached TD Completion Date
3666'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 218 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1788 feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice #

API No. 15-163-22,854-00-00
County Rooks
NW SE SE 22 22 6 20 East West
990 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name Chapman Well # 2
Field Name
Producing Formation N/A
Elevation: Ground 2164' KB 2169'
Section Plat

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # n/a Repressuring

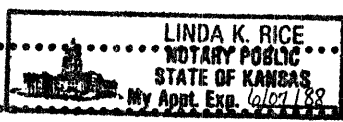
Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #
Groundwater (Well) Ft North from Southeast Corner
Ft West from Southeast Corner of
Sec Twp Rge East West
Surface Water (Stream, pond etc) Ft North from Southeast Corner
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 driller's 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 4/23/86

Subscribed and sworn to before me this 23rd day of April 1986
Notary Public Linda K. Rice
Date Commission Expires 6/07/88



RECEIVED STATE CORPORATION COMMISSION

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

APR 25 1986

Operator Name Ritchie Exploration, Inc. Lease Name Chapman Well # 2

Sec. 22 Twp. 6S Rge. 20 East West County Rooks

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

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 3362' to 3416' (Toronto & Top zones). Recovered 5' of mud, 120' of watery mud, and 120' of muddy water.
 IFP: 76-98#/30"; ISIP: 1157#/45";
 FFP: 130-152#/30"; FSIP: 1124#/45".

DST #2 from 3428' to 3482' (35', 50' & 70' zones). Recovered 5' of mud with scum of oil. IFP: 54-54#/30"; ISIP: 272#/30";
 FFP: 54-54#/30"; FSIP: 185#/30".

DST #3 from 3517' to 3582' (140', 160', & 180' zones). Recovered 5' of mud, no show of oil. IFP: 54-54#/30"; ISIP: 98#/30";
 FFP: 54-54#/30"; FSIP: 98#/30".

DST #4 from 3596' to 3651' (Conglomerate sand). Recovered 195' of muddy water.
 IFP: 76-87#/45"; ISIP: 955#/45";
 FFP: 131-131#/45"; FSIP: 890#/45".

Name	Top	Bottom
Anhydrite	1768' (+ 401)	
B/Anhydrite	1799' (+ 358)	
Topeka	3167' (- 998)	
Heebner	3366' (-1195)	
Toronto	3389' (-1220)	
Lansing	3405' (-1236)	
B/KC	3606' (-1437)	
Cgl. sd.	3642' (-1473)	
Arbuckle	3657' (-1488)	
RTD	3666' (-1497)	

DST #5 from 3657' to 3666' (Arb.). Recovered 60' of oil cut gassy mud and 665' of slightly mud cut oil.
 IFP: 65-163#/30"; ISIP: 909#/30";
 FFP: 217-283#/30"; FSIP: 845#/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#	218'	Common	160	2% gel, 3% C
production	7-7/8"	4 1/2"	10.5#	3657 1/2'	60/40 poz	75	10% salt
					+ 10 bbls.		preflush
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated			Depth		Depth	
2 SSB	3658 1/2' to 3662 1/2'			350 gal. of 15% MCA		3658 1/2' - 62 1/2'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" 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	FROM CONFIDENTIAL			
	Bbls	MCF	Bbls	Gravity			

MAY 11 1987

METHOD OF COMPLETION

Production Interval

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

WELL LOG

COMPANY Ritchie Exploration, Inc.
125 N. Market, Suite 1000
Wichita, Kansas 67202
FARM Chapman NO. 2

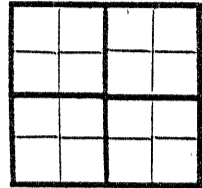
SEC. 22 T. 6S R. 20W
LOC. NW SE SE

RIG. NO. 8
TOTAL DEPTH 3666'
COMM. 01-03-86 COMP. 01-09-86

COUNTY Rooks
KANSAS

CONTRACTOR Murfin Drilling Company
250 N. Water, Suite 300
Wichita, Kansas 67202

CONFIDENTIAL



CASING
20 10
15 8 -5/8" set @ 218' w/160 sx Common, 2% Gel, 3% CC
12 6
13 5
4-1/2" set @ 3657' w/75 sx 60/40 Poz, 10% Salt.
ELEVATION PRODUCTION
FIGURES INDICATE BOTTOM OF FORMATIONS

Surface Dirt & Shale 219'
Sand & Shale 1820'
Lime & Shale (RTD) 3666'

APR 30 1986
KANSAS STATE
WICHITA DISTRICT

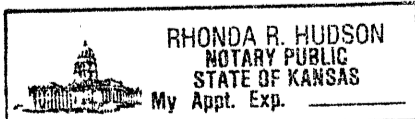
FEB 3 1986

RELEASED
MAY 11 1987
FROM CONFIDENTIAL

State of KANSAS
County of SEDGWICK ss:

I, Robert A. Ramseyer, Jr. of the Murfin Drilling Company

upon oath state that the above and foregoing is a true and correct copy of the log of the Chapman #2 well.



Robert A. Ramseyer, Jr.
Robert A. Ramseyer, Jr., Agent for Operator

Subscribed and sworn to before me this 14th day of January 19 86

My Commission Expires: 11-18-87

RECEIVED
STATE CORPORATION COMMISSION

APR 25 1986

Rhonda R. Hudson
Rhonda R. Hudson
NOTARY PUBLIC