

065-22,499-00-00

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 Leah Ann Kasten
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 OWNO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
11/29/88 12/05/88 12/05/88
Spud Date Date Reached TD Completion Date
3774' n/a
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 260 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-
County Graham
440 FSL & 440'
FEL of SW/4 Sec 11 Twp 6S Rge 22 East
West

440 Ft North from Southeast Corner of Section
3080 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

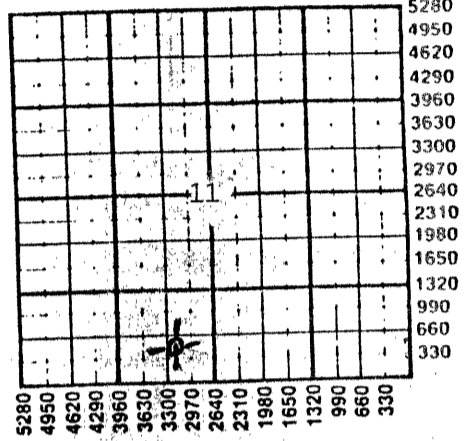
Lease Name H. Pakkebier Well # 1

Field Name

Producing Formation n/a

Elevation: Ground 2293' KB 2298'

Section Plat



PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RECEIVED
CORPORATION COMMISSION
FEB 27 1989
2-27-89
CONSERVATION DIVISION
WICHITA, KANSAS

WATER SUPPLY INFORMATION

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

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water: Water well.
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. #)

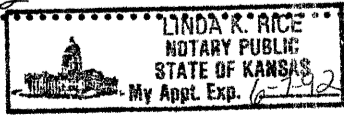
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 2/09/89

Subscribed and sworn to before me this 9th day of February 1989.
Notary Public Linda K. Rice

Date Commission Expires 6-7-92



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)
2-27-89 X (4)

Sec. 11 Twp. 6. Rge. 22

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name H. Parkersburg **RELEASED**

Sec. 11 Twp. 6S Rge. 22W East West County Graham **MAR. 07 1990**

FROM CONFIDENTIAL
3-7-90

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 3543'-3566' (Lansing Top zone). Rec. 3' of mud w/few oil spots on top. Tool plugging on 1st opening.
 IFP:63-63#/30"; ISIP:159#/30";
 FFP:32-32#/30"; FSIP:53#/30".

Name	Top	Bottom
Anhydrite	1968' (+ 330)	
B/Anhydrite	2002' (+ 296)	
Topeka	3310' (-1012)	
Heebner	3511' (-1213)	
Toronto	3536' (-1238)	
Lansing	3552' (-1254)	
B/KC	3746' (-1448)	
LTD	3774' (-1476)	

DST #2 3567'-3608' (Lansing 35'-50' zones). Rec. 180' of muddy water w/scum of oil on top.
 IFP:42-74#/45"; ISIP:815#/45";
 FFP:85-117#/45"; FSIP:783#/45".

DST #3 3650'-3620' (Lansing 70'-90' zones). Rec. 480' of muddy water, no show of oil.
 IFP:53-117#/30"; ISIP:993#/30";
 FFP:149-202#/30"; FSIP:983#/30".

DST #4 3652'-3717' (Lansing 140'-180' zones). Rec. 120' gip, 20' clean oil & 130' mud cut oil.
 IFP:63-85#/45"; ISIP:710#/45";
 FFP:95-106#/45"; FSIP:500#/45".

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

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 1/4"	8-5/8"	24#	260'	60/40 port	185	2% gel, 3% CC
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input 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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity	

METHOD OF COMPLETION

Production Interval

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