

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API No. 15-065-22,485-00-00
County Graham
SE SW SE Sec. 13 Twp. 6S Rge. 22W East West

Operator: License # 4767
Name Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000
City/State/Zip Wichita, KS 67202

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

Purchaser N/A

Lease Name Graf Well # 1
Field Name

Operator Contact Person Jeff Christian
Phone 316/267-4375

Producing Formation n/a
Elevation: Ground 2329' KB 2334'

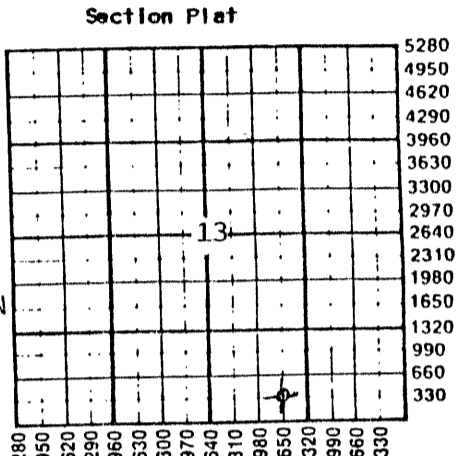
Contractor: License # 6033
Name Murfin Drilling Co.

Wellsite Geologist Bob Mathiesen
Phone 316/267-4375

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Aband
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

RECEIVED
STATE CORPORATION COMMISSION
6 1989
1-6-89
CONSERVATION DIVISION
Wichita, Kansas



If OWN: old well, info as follows:
Operator
Well Name
Comp. Date Old Total Depth

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

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
9/10/88 9/16/88 9/17/88
Spud Date Date Reached TD Completion Date
3890' N/A
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 8-5/8" at 260'
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 #

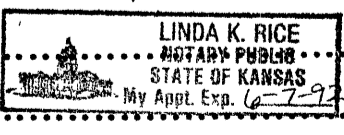
Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water: Water well.
Division of Water Resources Permit #
Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
Surface Water Ft North from Southeast Corner (Stream, 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
Title Vice President Date 1/05/89

Subscribed and sworn to before me this 5th day of January 1989
Notary Public Linda K. Rice
Date Commission Expires 6/07/92



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)
1-6-89

Sec. 13 Twp. 6S Rge. 22W

Operator Name Ritchie Exploration, Inc. Lease Name Graf Well # 1

Sec. 13 Twp. 6S Rge. 22W East West

County Graham **RELEASED**

WELL LOG

MAR 07 1990
3-7-90

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all 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.

FROM CONFIDENTIAL

Drill Stem Tests Taken Yes No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No

Formation Description
 Log Sample

DST #1 3530'-3598' (Toronto & Top zone). Rec. 15' of mud, no show of oil.
IFP: 95-95#/30"; ISIP: 686#/30";
FFP: 95-105#/30"; FSIP: 633#/30".

Name Top Bottom

Anhydrite 1987' (+ 345)
B/Anhydrite 2021' (+ 313)
Topeka 3338' (-1004)
Heebner 3538' (-1204)
Toronto 3569' (-1235)
Lansing 3585' (-1251)
B/KC 3771' (-1437)
Cg. Sand 3823' (-1489)
Arbuckle 3858' (-1524)
I/TD 3888' (-1554)

DST #2 from 3600'-3639' (35' & 50' zones). Rec. 480' of watery mud w/scum of oil & 1,530' water.
IFP: 296-780#/30"; ISIP: 979#/30";
FFP: 947-989#/30"; FSIP: 1010#/30".

DST #3 3687'-3748' (140', 160', & 180' zones). Rec. 180' gas in pipe & 65' heavy oil cut mud.
IFP: 67-67#/45"; ISIP: 1190#/30";
FFP: 76-76#/45"; FSIP: 1057#/60".

DST #4 3744'-3783' (200' & 220' zones). Rec. 25' of mud w/oil spots.
IFP: 48-48#/45"; ISIP: 932#/60".
FFP: 57-57#/45"; FSIP: 865#/60".

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 1/2"	8 5/8"	24#	260'	60/40	1.75	2% gel, 3% CO
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
Shots Per Foot	Specify Footage of Each Interval Perforated						
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	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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