

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
Wichita, KS 67202
City/State/Zip

Purchaser Koch Oil Company

Operator Contact Person Rocky Milford
Phone 316-267-4375

Contractor: License # 6033
Name Murfin Drilling Company

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
5-22-87 5-27-87 7/06/87
Spud Date Date Reached TD Completion Date
3450' n/a
Total Depth PBTD
8-5/8" @ 232'
Amount of Surface Pipe Set and Cemented at.....feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....1870'.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name
Invoice #

Second stage to be cemented in after evaluation period.

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 President Date 7/27/87

Subscribed and sworn to before me this 27th day of July 1987
Notary Public Linda K. Rice
Date Commission Expires 6/07/88

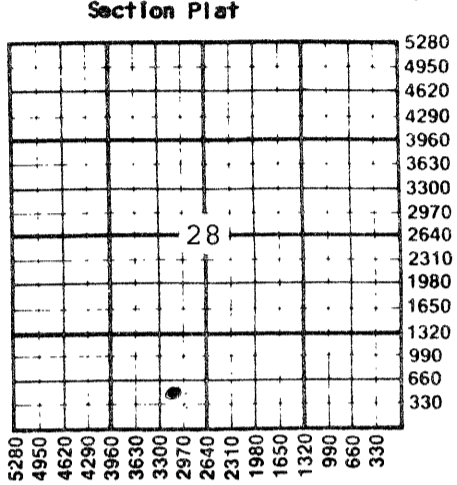


API NO. 15-039-20,811-00-00
County Decatur
Approx. SE SE SW Sec. 28 Twp. 1S Rge. 27 East West

510 Ft North from Southeast Corner of Section
3150 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Metcalf Farms Well # 1
Field Name Metcalf, SW
Producing Formation Lansing/KC "D" zone

Elevation: Ground 2467' KB 2472'



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717
Source of Water: Hauled.
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. #)

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)

8-5-1987

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Metcalf Farms Well # 1

Sec. 28 Twp. 1S Rge. 27 East West County Decatur

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 3113-3173' (Oread). Recovered 80' of mud, no show of oil.
 IFP:97-65#/30"; ISIP:1008#/45";
 FFP:65-65#/30"; FSIP:932#/45".

Name	Top	Bottom
Anhydrite	1882' (+ 590)	
B/Anhydrite	1912' (+ 560)	
Topeka	2982' (- 510)	
Heebner	3146' (- 674)	
Lansing	3191' (- 719)	
B/KC	3390' (- 918)	
LTD	3450' (- 978)	

DST #2 from 3141'-3236' (Lansing "A" & "D" zones). Rec. 60' of oil spotted mud, 50' of oil cut mud, 60' of oil cut watery mud, & 60' of slightly oil cut mud.
 IFP:54-65#/30"; ISIP:1062#/45";
 FFP:108-119#/30"; FSIP:1042#/45".

DST #3 from 3234'-3310' (L/KC "G" & "H" zones). Recovered 62' of mud, no show oil.
 IFP:86-86#/30"; ISIP:119#/30";
 FFP:86-86#/30"; FSIP:108#/30".

DST #4 from 3305'-3385' (L/KC "J", "K", & "L" zones). Rec. 10' free oil, 10' oil cut mud & 60' of slightly oil cut mud.
 IFP:76-76#/30"; ISIP:489#/30"; FFP:86-86#/30"; FSIP:184#/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 production	12 1/2" 7-7/8"	8-5/8" 4 1/2"	23# 10.5#	232' 3444'	60-40 Poz 175 60-40 poz 150	175 150	2% gel 3% cp salt saturate
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2 deep jets	3229' to 3234'			1500 gal 15% demulsion		3229'-34'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method						
7/06/87	<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		
	10 Bbls	MCF	40 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

3229'-34'

.....