

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

5

API NO. 15-155-21,105-0000
County Reno
SW/4 NW/4 SE/4 Sec 27 Twp 23S Rge 4W East
West

Operator: License # 4767
Name Ritchie Exploration, Inc
Address 1000 Kansas State Bank Building
City/State/Zip Wichita, Ks 67202

1650 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser Koch Oil Company
Wichita, KS

Lease Name O'Neal Well # 3
Field Name Burrton

Operator Contact Person Rocky Milford
Phone 316-267-4375

Producing Formation Osage Chert

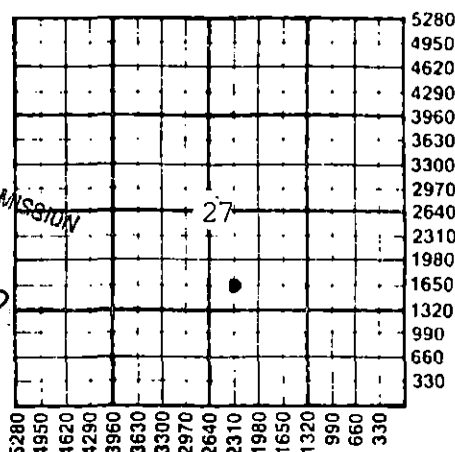
Contractor: License # 5302
Name Red Tiger Drilling Company

Elevation: Ground 1472' NB 1477'

Wellsite Geologist Leah Ann Kasten
Phone 316/267-4375

RECEIVED
SEP 15 1988
9-15-88
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

Section Plat



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
5/17/88 5/24/88 7/27/88
Spud Date Date Reached TD Completion Date
3,420' N/A
Total Depth PBD 10-3/4" @ 253'
8-5/8" @ 622.88'
Amount of Surface Pipe Set and Cemented at...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 #
AIR I

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # D-18,189 Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water: T 88-252
Division of Water Resources Permit #
 Groundwater 1600 Ft North from Southeast Corner
(Well) 2300 Ft West from Southeast Corner of
Sec 27 Twp 23S Rge 4 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 9/14/88

Subscribed and sworn to before me this 14th day of September 1988
Notary Public Linda K. Rice
Date Commission Expires 6-7-92



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)
9-15-88
Form ACO-1 (5-86)

Sec 27, Twp 23S, Rge 4W

Operator Name Ritchie Exploration, Inc. Lease Name O'Neal Well # 3

Sec. 27 Twp. 23S Rge. 4W East West County Reno

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

Name	Top	Bottom
Elmont	1688'	(- 211)
Heebner	2380'	(- 903)
Brn. Lime	2562'	(-1084)
Lansing	2585'	(-1108)
Kansas City	2806'	(-1329)
Hushpuckney	2969'	(-1492)
B/KC	3017'	(-1540)
Cherokee	3156'	(-1679)
Miss.	3298'	(-1821)
Osage Chert	3340'	(-1863)
RTD	3420'	(-1943)

CASING RECORD <input checked="" type="checkbox"/> New & <input checked="" 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
Conductor	12 1/4"	10 3/4"	32#	253'	60/40 Poz	175	2% Gel 3% cc.
Surface	9 7/8"	8 5/8"	24#	622.88'	Common	60	3% CC
Production	7 7/8"	5 1/2"	15.5#	3418'	60/40 Poz	125	3% Gilsomite

PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		Depth
4 SSB	3341.5' to 3346.5'		Fracture treated w/500 bbls. of gelled water.		3341 1/2 - 46 1/2'
			Spearhead frac w/100 gal. of 15% acid.		" "

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method				
7/27/88	<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
	8.5 Bbls	MCF	950 Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 3341 1/2 - 46 1/2' Used on Lease Dually Completed Commingled