

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 Koch Oil Company
Wichita, KS

Operator Contact Person Jeff Christian
Phone 316/267-4375

Contractor: License # 6033
Name Murfin Drilling Co.

Wellsite Geologist Rocky Milford
Phone 316/267-4375

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
6/24/88 7/01/88 7/27/88
Spud Date Date Reached TD Completion Date
3860' 3605'
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 8-5/8" @ 258' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1954' feet
If alternate 2 completion, cement circulated from 1954' feet depth to surface, 500 SX cmt
Cement Company Name Allied Cementing Co.
Invoice # 51982
10-9-88

API NO. 15-065-22,451-00-00
County Graham
NW NE NE Sec 24 Twp 6S Rge 22W XX West

4950 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

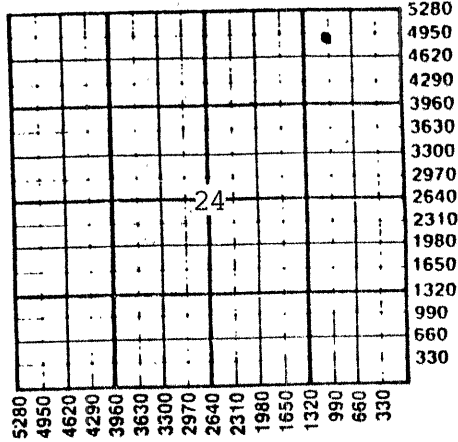
Lease Name Allen Worcester "B" Well #1

Field Name Gob, SE

Producing Formation Lansing

Elevation: Ground 2297' KB 2302'

Section Plat



PLEASE KEEP THIS INFORMATION CONFIDENTIAL

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # D-20496 Repressuring

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

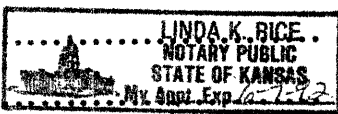
Source of Water: Water well.
Division of Water Resources Permit #
Groundwater.....Ft North from Southeast Corner (Well)Ft West from Southeast Corner of Sec Twp Rge East West
Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner Sec Twp Rge East West
Other (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 9/27/88

Subscribed and sworn to before me this 27th day of September 1988
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)
SEP 29 1988
Form ACO-1 (5-86)

Sec 27, Twp 6S, Rge 22W

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Allen Worcester "B" Well # 1

Sec. 24 Twp. 6 Rge. 22W County Graham East West

RELEASED

MAR 06 1990
3-6-90

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

DST #1 3440'-3490' (Oread). Rec. 1,320' of muddy salt water w/a trace of oil.
 IFP:96-422#/30"; ISIP:913#/30";
 FFP:509-673#/30"; FSIP:903#/30".

DST #2 3503'-3565' (Toronto & Top zone). Rec. 505' of gas in pipe; 2,940' free oil; and 120' oil cut mud (40% oil & 60% mud). 3,060' total fluid.
 IFP:451-913#/30"; ISIP:1229#/30";
 FFP:1000-1038#/30"; ISIP:1229#/30".

DST #3 3568'-3607' (35' & 50' zones). Rec. 130' of slightly oil and water cut mud (10% oil, 10% water, 80% mud) and 30' of watery mud.
 IFP:57-67#/30"; ISIP:1066#/45";
 FFP:80-105#/30"; FSIP:1066#/45".

DST #4 3604'-3623' (70' & 90' zones). Rec. 40' oil cut mud (15% oil, 85% mud).
 IFP:48-48#/30"; ISIP:1200#/45";
 FFP:57-67#/30"; FSIP:1133#/45".

Name	Formation Description	
	Top	Bottom
Anhydrite	1957' (+ 345)	
B/Anhydrite	1991' (+ 311)	
Topeka	3304' (-1002)	
Heebner	3507' (-1205)	
Toronto	3534' (-1232)	
Lansing	3552' (-1250)	
B/KC	3742' (-1440)	
Cong. sand	3793' (-1491)	
Arbuckle	3842' (-1540)	
LTD	3858' (-1556)	

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#	258'	60/40poz	175	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10.5#	3841'	60/40poz	125	10% salt
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 SSB jets	3614 1/2' - 3617'			Acidized w/600 gal. 28% acid		3614 1/2' - 7'	
2 SSB jets	3552 1/2' - 3555'			Acidized w/800 gal. 28% acid		3552 1/2' - 55'	
TUBING RECORD				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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio		Gravity	
	55		5				

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3552 1/2' - 55'
 Used on Lease Dually Completed Commingled Lansing Top zone

OPERATOR Ritchie Exploration, Inc. LEASE NAME Allen Worcester "B" SEC. 24 TWP. 6S RGE. 22W (E) (W)

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #5 3652'-3718' (140' & 180' zones). 45' of oil cut mud (10% oil, 90% mud). IFP:67-67#/30"; ISIP:576#/30"; FFP:76-76#/30"; FSIP:451#/30".	Rec.			RELEASED MAR 06 1990 3-6-90 FROM CONFIDENTIAL
DST #6 3711'-3747' (200' & 220' zones). 60' of free oil; 120' of oil cut watery mud (10% oil, 40% water, 50% mud); and 600' of salt water. 780' of total fluid. IFP:86-259#/30"; ISIP:1162#/30"; FFP:317-403#/30"; FSIP:1133#/30".	Rec.			

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

OCT 03 1988

RECEIVED
STATE CORPORATION COMMISSION
SEP 29 1988
CONSERVATION DIVISION
Wichita Kansas