

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 Co  
Wichita, KS

Operator Contact Person Rocky Milford  
Phone 316/267-4375

Contractor: License # 6033  
Name Murfin Drilling Co.

Wellsite Geologist Jeff Christian  
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

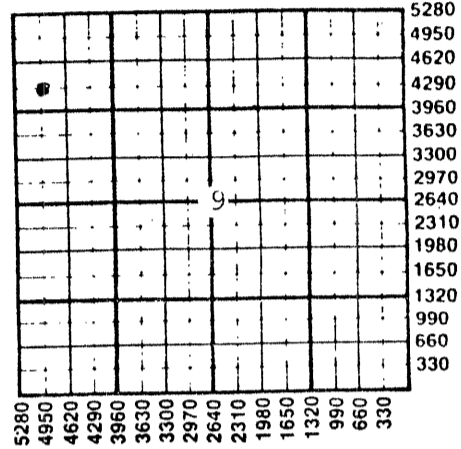
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
8/8/88 8/16/88 11/30/88  
Spud Date Date Reached TD Completion Date  
3845' n/a  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 250 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2009' feet  
If alternate 2 completion, cement circulated from 2009' feet depth to surface 550 SX cmt  
Cement Company Name Allied Cementing Co  
Invoice # 52526  
12-12-88

API NO. 15-065-22,481  
County Graham  
SW NW NW Sec 9 Twp 6S Rge 23W East West  
4290 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Schuck-9B Well # 1  
Field Name Northham, South  
Producing Formation Lansing  
Elevation: Ground 2423' KB 2428'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # D-24,228  Repressuring

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

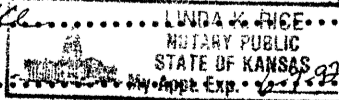
Source of Water: Hauled.  
Division of Water Resources Permit #  
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner Sec Twp Rge East West  
 Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West  
 Other (explain) (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 11/29/88

Subscribed and sworn to before me this 29th day of November 1988.  
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  
 RECEIVED  
 Plug  
 Other  
CORPORATION COMMISSION (Specify)  
12-6-88

Form ACO-1 (5-86)  
CONSERVATION DIVISION  
Wichita, Kansas  
12-6-88

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Sec. 9 Twp. 6S Rge. 23W

Operator Name Ritchie Exploration, Inc. Lease Name Schuck-9B Well # 1

Sec. 9 Twp. 6S Rge. 23W  East  West

County Graham

RELEASED

MAR 07 1990  
3-7-90  
FROM CONFIDENTIAL

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 3577'-3619' (Toronto). Rec. 30' mud cut oil & 60' oil cut mud.  
 IFP:21-21#/30"; ISIP:1216#/45";  
 FFP:43-43#/30"; FSIP:1194#/45".

DST #2 3611'-3640' (Lansing Top zone). Rec. 414' free oil; 248' oil & water cut mud; 124' slightly oil cut muddy water; & 124' water w/scum of oil. IFP:86-205#/30"; ISIP:1216#/30";  
 FFP:291-378#/30"; FSIP:1216#/30".

DST #3 3634'-3662' (Lansing 35' zone). Rec. 1,170' of muddy water.  
 IFP:75-291#/30"; ISIP:1269#/30";  
 FFP:400-551#/30"; FSIP:1269#/30".

DST #4 3659'-3680' (Lansing 50' zone). Rec. 20' clean oil; 180' oil & water cut mud; 1,560' very slightly oil & mud cut water.  
 IFP:194-572#/30"; ISIP:1205#/30";  
 FFP:679-840#/30"; FSIP:1205#/30".

Formation Description  
 Log  Sample

Name	Top	Bottom
Anhydrite	2056' (+ 372)	
B/Anhydrite	2088' (+ 340)	
Topeka	3377' (- 949)	
Heebner	3574' (-1146)	
Toronto	3600' (-1172)	
Lansing	3617' (-1189)	
B/KC	3805' (-1377)	
LTD	3810' (-1382)	

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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"	23#	250	60/40poz	170	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10.5#	3844'	60/40poz	125	10% salt
					&	10	salt flush
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
2 SSB	3617'-3620'			Acidized w/500 gal. of 15%		3617'-20'	
TUBING RECORD				Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First Production	Producing Method <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		
	50 Bbls	MCF	20 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

3617'-3620'  
 Lansing Top zone

OPERATOR Ritchie Exploration, Inc LEASE NAME Schuck-9B

SEC. 9 TWP. 6S RGE. 23W (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 3718'-3752' (Lansing 140' zone). Rec. 5' of free oil; 135' of slightly oil cut watery mud; 120' of muddy water w/scum of oil. IFP:43-75#/45"; ISIP:1259#/45"; FFP:108-140#/45"; FSIP:1216#/45".			RELEASED  MAR 07 1990  FROM CONFIDENTIAL		
DST #6 3752'-3778' (Lansing 160'-180' zones). Rec. 5' of mud. IFP:22-22#/30"; ISIP:757#/30"; FFP:22-22#/30"; FSIP:702#/30".					
DST #7 3776'-3815' (Lansing 200' & 220' zones). Packer failure.					
DST #8 3772'-3815' (Lansing 200' & 220' zones). Rec. 30' of mud, no show of oil. IFP:43-43#/30"; ISIP:1077#/45"; FFP:54-54#/30"; FSIP:1023#/45".					
PLEASE KEEP THIS INFORMATION CONFIDENTIAL					

DEC 06 1988

RECEIVED  
STATE CORPORATION COMMISSION

OBSERVATION DIVISION  
Wichita, Kansas