

SIDE ONE

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. 15-065-22,398-0000
County Graham
NW SE SE 36 6S 21 East
Sec Twp Rge X West

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

Purchaser Koch Oil Company
Wichita, Kansas

Operator Contact Person Leah Ann Kasten
Phone 316-267-4375

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist Bob Mathiesen
Phone 316-267-4375

Designate Type of Completion
X New Well Re-Entry Workover
X 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:
X Mud Rotary Air Rotary Cable
8-31-87 9-8-87 10-15-87
Spud Date Date Reached TD Completion Date
3744' 3650'
Total Depth PBTD 8-5/8" @ 217'

Amount of Surface Pipe Set and Cemented at...feet
Multiple Stage Cementing Collar Used? X Yes No
If yes, show depth set...feet
If alternate completion, cement circulated
from...feet depth to...surf/465X cmt
Cement Company Name Allied Cementing
Invoice # 49606

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

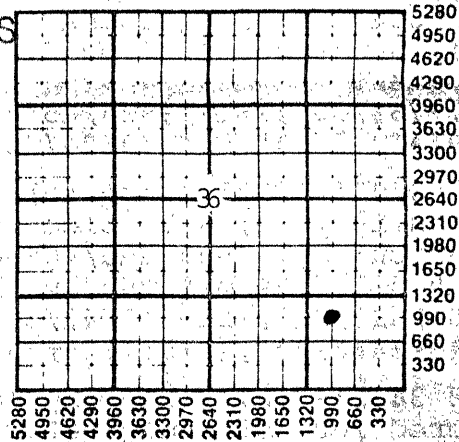
Lease Name Don Billips Trust Well #1

Field Name Solobow

Producing Formation Lansing

Elevation: Ground 2200' KB 2205'

Section Plat



PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring
No water produced at present.

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. #)

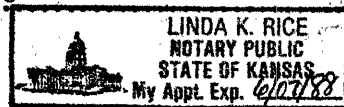
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 12/15/87

Subscribed and sworn to before me this 15th day of December 1987
Notary Public Linda K. Rice

Date Commission Expires 6/07/88



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)

Form ACO-1 (5-86)

CONSERVATION DIVISION
Wichita, Kansas 12-16-87

Sec. 36 Twp. 6. Rge. 21 W

Operator Name Ritchie Exploration, Inc. Lease Name Don Billips Trust Well # 1

Sec. 36 Twp. 6S Rge. 21 East West County Graham

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 3346'-3385' (Topeka A & B porosity zones). Recovered 125' muddy water and 124' salt water.
 IFP:47-76#/30"; ISIP:992#/45";
 FFP:104-124#/30"; FSIP:982#/45".

DST #2 3400'-3433' (Toronto). Recovered 551' gas in pipe; 437' clean gassy oil; 72' mud cut oil (60% mud/40% oil); and 110' mud cut oil (75% oil/25% mud).
 IFP:76-162#/30"; ISIP:1164#/30";
 FFP:219-248#/30"; FSIP:1136#/30".

DST #3 3431'-3457' (Lansing Top Zone). Recovered 100' of muddy water.
 IFP:38-47#/30"; ISIP:1030#/45";
 FFP:66-76#/30"; FSIP:963#/45".

DST #4 3457'-3500' (Lansing 35' & 50' zones). Recovered 10' of free oil and 40' of oil cut mud. IFP:38-38#/30"; ISIP:1145#/45"; FFP:47-47#/30"; FSIP:1136#/45".

Name	Top	Bottom
Anhydrite	1807' (+ 398)	
B/Anhydrite	1839' (+ 366)	
Topeka	3198' (- 993)	
Heebner	3403' (-1198)	
Toronto	3423' (-1218)	
Lansing	3435' (-1230)	
B/KC	3626' (-1421)	
Arbuckle	3662' (-1457)	
LTD	3742' (-1537)	

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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 1/4"	8-5/8"	23#	217'	60-40 Poz	150	2% gel, 3% dc
Production	7-7/8"	4-1/2"	10-1/2#	3741'	60-40 Poz	165	10% salt-3% gel
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 shot/ft	3673'-3683'			1000 gal. of 15%		3673-83'	
1 3/8"	3597' & 3590'			1750 gal. of 28%		3597 & 90'	
2 SSB jets	3595 1/2'-3599' & 3588'-3591'						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method			1-11-89 1-11-1989			
	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Specify)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	30 Bbls	MCF	0 Bbls		CFPB		

RELEASED

FROM CONFIDENTIAL

METHOD OF COMPLETION

Production Interval

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

3588'-99'
 L/KC 160' & 180' zones

OPERATOR Ritchie Exploration, Inc. LEASE NAME Don Billips Trust 1SEC. 36 TWP. 6 RGE. 21

FILL IN WELL LOG AS REQUIRED:

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

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.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #5 3496'-3522' (Lansing 70' & 90' zones). Recovered 60' of oil specked mud, 62' of watery mud, and 122' of muddy water. IFP:47-66#/30"; ISIP:1107#/45"; FFP:95-104#/30"; FSIP:1080#/45".</p> <p>DST #6 3545'-3604' (Lansing 140'-180' zones). Recovered 340' of gas in pipe, 60' of free oil, 288' of gassy mud cut oil (10% gas/65% oil/25% mud), and 122' of gassy mud cut oil (40% gas/40% oil/20% mud). IFP:76-133#/30"; ISIP:1136#/45"; FFP:181-190#/30"; FSIP:1107#/45".</p> <p>DST #7 3602'-3635' (Lansing 200' & 220' zones). Recovered 40' of mud w/ a few oil spots. IFP:57-57#/30"; ISIP:85#/30"; FFP:66-66#/30"; FSIP:76#/30".</p> <p>DST #8 3624'-3682' (Arbuckle). Recovered 125' of gas in pipe, 206' of free oil, 62' of mud cut oil (60% oil/40% mud), 125' of mud cut oil (50% oil/50% mud), and 125' of heavy oil cut mud. IFP:95-181#/45"; ISIP:753#/60"; FFP:229-229#/45"; FSIP:639#/60".</p>				
<p>PLEASE KEEP THIS INFORMATION CONFIDENTIAL</p>				
<p>DEC 18 1987</p> <p>KANSAS GEOLOGICAL SURVEY WICHITA BRANCH</p>				
<p>RELEASED</p> <p>JAN 11 1989 1-11-89</p> <p>FROM CONFIDENTIAL</p> <p>12-16-87 DEC 16 1987</p> <p>COMMISSIONER OF GEOLOGY Wichita, Kansas</p>				