

ORIGINAL 7-11

SIDE ONE

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

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address 125 N. Market; Suite 1000

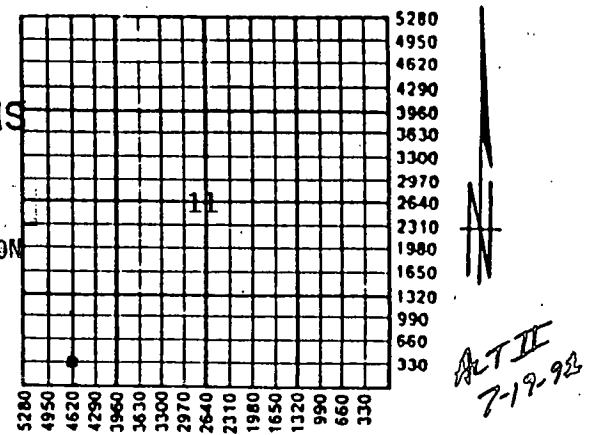
City/State/Zip Wichita, KS 67202
Purchaser: Koch Oil Company
Operator Contact Person: Rocky Milford
Phone (316) 267-4375
Contractor: Name: Murfin Drilling Co.

License: 6033
Wellsite Geologist: Bob Mathiesen
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

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

Drilling Method:
 Mud Rotary Air Rotary Cable
2/20/90 3/02/90 3/16/90
Spud Date Date Reached TD Completion Date

API NO. 15- 063-21,313
County Gove
S/2 SW SW Sec. 11 Twp. 11 Rge. 31 East West
330 Ft. North from Southeast Corner of Section
4620 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name J.M. Bloom Well # 1
Field Name unknown
Producing Formation Johnson zone and Lansing/KC
Elevation: Ground 2983' KB 2988'
Total Depth 4650' PBTD n/a



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STATE CORPORATION COMMISSION
7-15-1991
51001

Amount of Surface Pipe Set and Cemented at 260' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2500' Feet
If Alternate II completion, cement circulated from 2500'
feet depth to surface w/ 400 sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 5/14/90
Subscribed and sworn to before me this 15th day of May,
19 90.
Notary Public Linda K. Rice
Date Commission Expires 6/07/92

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
6792

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NPGA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Ritchie Exploration, Inc.

Lease Name J.M. Bloom

Well # 1

Sec. 11 Twp. 11S Rge. 31

East
 West

County Gove

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
(Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)

Formation Description

Log Sample

Name Top Bottom

(See attached page).

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(See attached page).

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
Surface	12 1/2"	8-5/8"	23#	260'	60/40 poz	165	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10.5#	4660'	60/40 poz	175	10% salt, 3% sonite
						10 sx	salt preflush
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	4593'-96'; 4272'-74'; 4243'-45'			500 gal. 15% NE		4243'-45'	
				500 gal. of 15%		4272'-74'	
				500 gal. of 15%		4593'-96'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method					
3/16/90		<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 50 Bbls.	Gas Mcf	Water 15 Bbls.	Gas-Oil Ratio	Gravity	

Disposition of Gas:

Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

Production Interval

4243'-45'; 4272'-74'; 4593'-96'.

ORIGINAL

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JUL 15 19917-11
JUL 11

Ritchie Exploration, Inc.
#4767
#1 J.M. Bloom
S/2 SW SW
Section 11-11S-31W
Gove County, Kansas
ACO-1
Page 2

CONSERVATION DIVISION
Wichita, Kansas

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DRILL STEM TESTSELECTRIC LOG TOPS

DST #1 from 4102' to 4123' (L/KC "E" zone).
Recovered 70' of watery mud (80% mud, 20%
water).
IFP: 30-40#/45"; ISIP: 1194#/45";
FFP: 40-50#/45"; FSIP: 1164#/45".

DST #2 from 4167' to 4252' (L/KC "H",
"I", & "J" zones). Recovered 1,320' gas
in pipe; 180' heavy gas and oil cut mud
(63% gas, 27% oil, 10% mud); 180' oil
and heavy gas cut mud (48% gas, 18% oil,
34% mud); and 180' oil and gas cut watery
mud (15% gas, 12% oil, 21% water, 52%
mud). 540' total fluid.
IFP: 78-122#/30"; ISIP: 446#/45";
FFP: 189-212#/30"; FSIP: 424#/45".

DST #3 from 4252' to 4314' (L/KC "K" & "L" zones). Recovered 15' of mud,
no show of oil.
IFP: 55-55#/30"; ISIP: 916#/30";
FFP: 76-76#/30"; FSIP: 627#/30".

DST #4 from 4419' to 4502' (Pawnee & Myrick Station). Recovered 15' of
mud with few oil spots.
IFP: 50-50#/30"; ISIP: 916#/30";
FFP: 56-60#/30"; FSIP: 744#/30".

DST #5 from 4497' to 4596' (Ft. Scott, Cherokee and Johnson zone). Recovered
360' gas in pipe; 60' oil cut gassy mud (30% gas, 25% oil, 45% mud); and
70' very slightly oil cut mud (2% oil, 98% mud).
IFP: 50-60#/45"; ISIP: 524#/60";
FFP: 87-89#/45"; FSIP: 374#/60".

Anhydrite	2519' (+ 469)
B/Anhydrite	2547' (+ 441)
Topeka	3777' (- 789)
Heebner	3997' (-1009)
Toronto	4021' (-1033)
Lansing	4038' (-1051)
Muncie Creek	4173' (-1185)
Stark	4256' (-1268)
B/KC	4318' (-1330)
Marmaton	4343' (-1355)
Pawnee	4441' (-1453)
Myrick Station	4484' (-1496)
Ft. Scott	4510' (-1522)
Cherokee	4539' (-1551)
Johnson zone	4586' (-1598)
Mississippi	4634' (-1646)
LTD	4652' (-1664)