

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

COPY

SIDE ONE

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

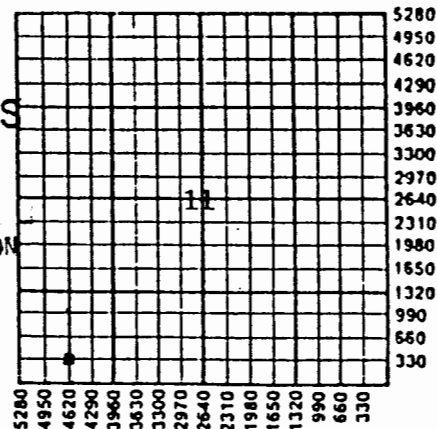
Contractor: Name: Murfin Drilling Co.
License: 6033
Wellsite Geologist: Bob Mathiesen

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

If OWO: old well info as follows:
Operator: _____
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



ACT II
7-19-92

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
6-7-92

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NSPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input checked="" type="checkbox"/> Other
(Specify)		

99696

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name J.M. Bloom Well # 1
 Sec. 11 Twp. 11S Rge. 31 East County Gove
 West

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). PLEASE KEEP THIS INFORMATION CONFIDENTIAL (See attached page).

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CASING RECORD New 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% gill sonite
						10 sx.	salt preflush

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4593'-96'; 4272'-74'; 4243'-45'	500 gal. 15% NE 500 gal. of 15% 500 gal. of 15%	4243'-45' 4272'-74' 4593'-96'

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Production 3/16/90 Producing Method Flowing Pumping Gas Lift 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'

JUL 15 1991

COPY

CONSERVATION DIVISION
Wichita, Kansas

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

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

DRILL STEM TESTS

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".

ELECTRIC LOG TOPS

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)