

CONFIDENTIAL

KCC
MAY 9

ORIGINAL

SIDE ONE

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

API NO. 15- 163023, 145-100100
County Rooks
50' SE of _____ East
SW NW SE _____ Sec. 22 Twp. 6S Rge. 20 X West

Operator: License # 4767

1600 Ft. North from Southeast Corner of Section
2260 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

Lease Name Chapman Well # 5-X

City/State/Zip Wichita, KS 67202

Field Name Locelela N

Purchaser: Koch Oil Company

Producing Formation Cong. Sand, Lansing & Toronto

Operator Contact Person: Jeff Christian

Elevation: Ground 2175' KB 2180'

Phone (316) 267-4375

Total Depth 3730' PBDT _____

Contractor: Name: Murfin Drilling Co.

License: 30606

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 OWWO: old well info as follows:

Operator: _____

Well Name: _____

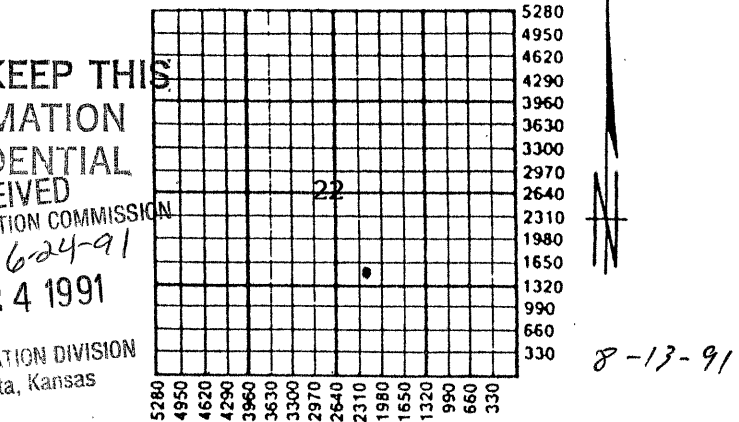
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

2/26/91 3/05/91 3/21/91

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 236' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1746.3' Feet

If Alternate II completion, cement circulated from 1746.3'

feet depth to surface w/ 352 sx cmt.

RELEASED
6-18-93
FROM CONFIDENTIAL
PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL
RECEIVED
STATE CORPORATION COMMISSION
6-24-91
JUN 24 1991
CONSERVATION DIVISION
Wichita, Kansas

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 May 9, 1991

Subscribed and sworn to before me this 9th day of May, 19 91

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. _____

Linda K. Rice

Date Commission Expires 6/07/92

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 Color Other (Specify)

11/15/91

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Chapman Well # 5X
Sec. 22 Twp. 6S Rge. 20W East County Rooks
 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Name _____ Top _____ Bottom _____
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

See attached page.

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CASING RECORD <input 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 1/4"	8-5/8"	28#	236'	60/40 poz	175	2% gel, 3% CC
production	7-7/8"	4 1/2"	10.5#	3727'	60/40 poz	150	10% salt, 3% gilsonite
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 shots	3651.5'-3653.5'; 3656'-59'			750 gal. 15% MCA 3651.5'-53.5' ; &			
3 SSB	3578.3'-3582.3'; 3562.3'-3566.3'; 3397.3'-3399.3'			3656'-59'			
				1500 gal. 28% NE 3578.3'-3582.3' &			
				500 gal. 28% NE 3562.3'-3566.3'			
				3397.3'-3399.3'			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production 3/21/91		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		Size 2-3/8" Set At _____ Packer At _____			
Estimated Production Per 24 Hours		Oil 33 Bbls.	Gas Mcf	Water 125 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: 3651.5'-53.5'; 3656'-59'; 3578.3'-3582.3'; 3562.3'-3566.3'; 3397.3'-3399.3'

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000
Wichita, Kansas 67202-1775
316-267-4375 FAX 316-267-3026

ORIGINAL

CONFIDENTIAL

Ritchie Exploration, Inc.'s
#5-X Chapman
50' SE of SW NW SE
Section 22-6S-20W
Rooks County, Kansas
API# 15-163-23,145
License #4767

RELEASED

JUN 8 1993

FROM CONFIDENTIAL

KCC

MAY 9

CONFIDENTIAL

ACO-11 form
Page 2

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

DRILL STEM TESTS

DST #1 from 3370' to 3430' (Toronto & Lansing Top zone). Recovered 80' of mud with oil spots.
IFP: 67-67#/30"; ISIP: 798#/30";
FFP: 76-76#/30"; FSIP: 730#/30".

DST #2 from 3436' to 3478' (Lansing 35'-50' zones). Recovered 20' of mud.
IFP: 67-67#/30"; ISIP: 76#/30";
FFP: 67-67#/30"; FSIP: 67#/30".

DST #3 from 3549' to 3592' (160' & 180' zones). Recovered 100' of gas in pipe and 25' of oil cut mud (20% oil, 80% mud).
IFP: 67-67#/45"; ISIP: 173#/45";
FFP: 67-67#/45"; FSIP: 144#/45".

DST #4 from 3615' to 3663' (Congl. sand). Recovered 120' gas in pipe; 75' free oil; 45' muddy oil (55% oil, 45% mud); and 60' oil cut mud (25% oil, 75% mud).
IFP: 76-96#/45"; ISIP: 855#/45";
FFP: 105-115#/45"; FSIP: 798#/45".

DST #5 from 3679' to 3685' (Arbuckle). Recovered 4' of mud with oil spots.
IFP: 48-48#/30"; ISIP: 96#/30";
FFP: 48-48#/30"; FSIP: 67#/30".

ELECTRIC LOG TOPS

Anhydrite	1775' (+ 405)
B/Anhydrite	1806' (+ 374)
Topeka	3173' (- 993)
Heebner	3373' (-1193)
Toronto	3397' (-1217)
Lansing	3412' (-1232)
B/KC	3612' (-1432)
Cgl. sand	3648' (-1468)
Arbuckle	3675' (-1495)
LTD	3730' (-1550)

RECEIVED
STATE CORPORATION COMMISSION

JUN 24 1991

CONSERVATION DIVISION
Wichita, Kansas

~~CONFIDENTIAL~~
ALLIED CEMENTING COMPANY, INC.

ORIGINAL

TELEPHONE:
 AREA CODE 913 483-2627

P. O. BOX 31
 RUSSELL, KANSAS 67665 *02103*

MAR 91 1 0 0 3 3 0 7

OK/PL

TO: Ritchie Exploration Inc. INVOICE NO. 58974
125 N. Market #1000 PURCHASE ORDER NO. _____
Wichita, Kansas 67202 *W-152000S* LEASE NAME Chapman 5-X
 DATE March 5, 1991

SERVICE AND MATERIALS AS FOLLOWS:

Common 105 sks @\$5.25	\$ 551.25
Pozmix 70 sks @\$2.25	157.50
Gilsonite 454#@\$0.33	149.82
S&t 17 sks @\$4.75	80.75
WFR II 500 gal @\$0.50	<u>250.00</u>
Handling 175 sks @\$1.00	175.00
Mileage (33) @\$0.04¢ per sk per mi	231.00
Production string	880.00
Mi @\$2.00 pmp. trk.	66.00
1 plug	35.00
1-4½" g. shoe	109.00
1 AFU	169.00
1 basket	113.00
6 cent.	301.50
1 p. collar Baker	<u>1680.00</u>

RELEASED

JUN 18 1993

FROM CONFIDENTIAL
 \$ 1,189.32

1,385.00

2,372.50

Total \$ 4,946.82

**PLEASE KEEP THIS
 INFORMATION
 CONFIDENTIAL**

*Percent port
 collar #5
 stage*

Float held

*6700 · 0270 = 2574.32
 6500 · 0800 = 2372.50
 3520 / 70 = 502.86*

3957.46

MAR 12 1991

THANK YOU
 All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

KCC
 MAY 9
 CONFIDENTIAL

RECEIVED
 STATE CORPORATIC COMMISSION

JUN 24 1991

OPERATION DIVISION
 Wichita, Kansas

ORIGINAL

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

MAR 91

1003347 Phone Plainville
 Phone Ness City 9

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

No 72

Home Office P. O. Box 31

Russell, Kansas 67665

new

Date	3-20-91	Sec.	22	Twp.	6	Range	20	Called Out	1 PM	On Location	1:50 PM	Job Start	2
Lease	Chapman	Well No.	5-X		Lamar			Loc 24-3A165 W I/E		County	Rooks	K	
Contractor	Murphy Drilling												
Type Job	Port (Collar)												
Hole Size							T.D.						
Csg.	4 1/2						Depth						
Tbg. Size	2"						Depth						
Drill Pipe	Plug						Depth	3250					
Tool							Depth	1746					
Cement Left in Csg.							Shoe Joint						
Press Max.							Minimum						
Meas Line							Displace	RELEASED					
Perf.	1746						1493						

Owner *Same*
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as li

Charge To *Ritchie Exploration*
 Street *125 N. Market Suite*
 City *Wichita* State *Ks. 6*

The above was done to satisfaction and supervision of owner agent contractor

Purchase Order No. *X*

CEMENT

Amount Ordered *450 lbs - 352 lbs used*
 Consisting of *2 sand*

Common	
Per. Mix	<i>352 lbs 4.25</i>
Gel.	<i>14</i>
Chloride	
Quickset	

Sand - 2	<i>4.75</i>
Handling	<i>450 1.00</i>
Mileage	<i>36 6</i>
Total	<i>26</i>

Floating Equipment

Total \$ *3150.50*
 Disc - *630.10*

2520.40
 RECEIVED
 STATE CORPORATION COMMISSION KCC

JUL 25 1991
 MAY 9

EQUIPMENT FROM CONFIDENTIAL

No.	Cementer	<i>Bru</i>
Pumptrk 158	Helper	<i>Bob</i>
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Bill</i>
Bulktrk 199	Driver	

DEPTH of Job

Reference:	<i>Pump Truck</i>	<i>475.00</i>
	<i>36 milage</i>	<i>72.00</i>
Total		<i>547.00</i>

Remarks:

Cement did Cure

MAR 25 1991

Thank you