

ORIGINAL

SIDE ONE

RELEASED
CONFIDENTIAL
SEP 9 1992

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

API NO. 15- 101-21,547-00-00
FROM CONFIDENTIAL

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: White & Ellis Drilling Co.

License: 5420

Wellsite Geologist: Rocky Milford

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: STATE CORPORATION COMMISSION

Operator: STATE CORPORATION COMMISSION

Well Name: 08-21-1990
AUG 7 1990

Comp. Date Old Total Depth CONSERVATION DIVISION
Wichita, Kansas

Drilling Method:
 Mud Rotary Air Rotary Cable

5/18/90 5/26/90 6/15/90
Spud Date Date Reached TD Completion Date

County Lane ✓
110' N & 70' W of ✓
SE SW SW Sec. 25 Twp. 19 Rge. 28 x West

440' ✓ Ft. North from Southeast Corner of Section

4360' ✓ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

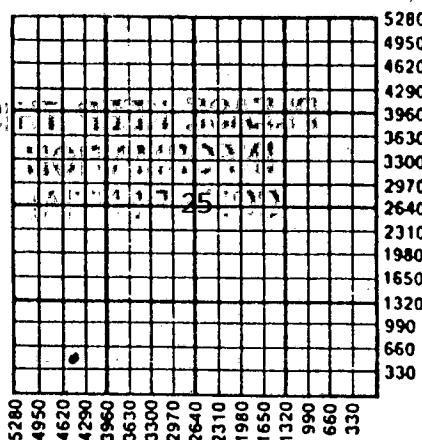
Lease Name Schwartz ✓ Well # 2

Field Name Unknown

Producing Formation Lansing

Elevation: Ground 2728' KB 2733'

Total Depth 4650' PBTD n/a



8-23-90

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Amount of Surface Pipe Set and Cemented at 207' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2029' Feet

If Alternate II completion, cement circulated from 2029'

feet depth to surface w/ 325 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.

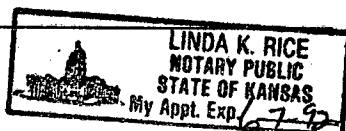
Signature: [Handwritten Signature]

Title: President Date: 8/06/90

Subscribed and sworn to before me this 6th day of August 19 90.

Notary Public: 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 Other
(Specify)

SIDE TWO

Operator Name Ritchie Exploration, Inc.

Lease Name Schwartz

Well # 2

Sec. 25 Twp. 19S Rge. 28W

East

County Lane

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.)

See attached.

**PLEASE KEEP THIS
INFORMATION
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Formation Description

Log Sample

Name	Top	Bottom
Anhydrite	2037' (+ 696)	
B/Anhydrite	2067' (+ 666)	
Heebner	3932' (-1199)	
Lansing	3972' (-1239)	
B/KC	4328' (-1595)	
Marmaton	4360' (-1627)	
Pawnee	4460' (-1727)	
Ft. Scott	4509' (-1776)	
Cherokee	4530' (-1797)	
Miss.	4603' (-1870)	
LTD	4652' (-1919)	

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 1/4"	8-5/8"	23#	207'	60/40 poz	135	2% gel, 3% CC
Production	7-7/8"	5 1/2"	14#	4649'	60/40 poz	150	10% salt, 3% gilsonite

PERFORATION RECORD

Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
(Amount and Kind of Material Used)

Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3 shots	4247'-4250'	n/a	

TUBING RECORD

Size Set At Packer At

Liner Run Yes No

Date of First Production 6/15/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 150 Bbls. Gas Mcf Water 50 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) 4247'-50'

Production Interval

COPY

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 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OAWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

Spud Date 5/18/90 Date Reached TD 5/26/90 Completion Date 6/15/90

County Lane

110' N & 70' W of SE SW SW Sec. 25 Twp. 19 Rge. 28 West

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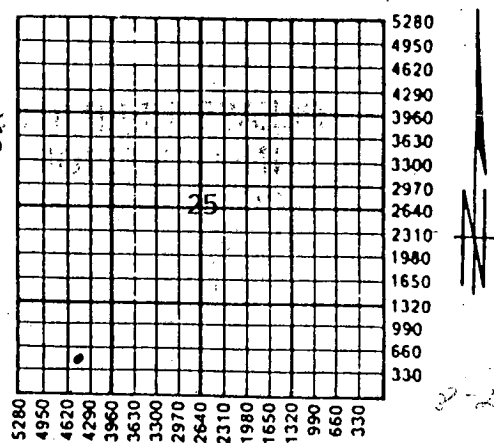
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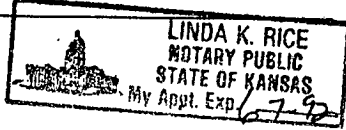
Signature _____

Title President Date 8/06/90

Subscribed and sworn to before me this 6th day of August 19 90.

Notary Public 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 Other (Specify)

P-1-X

Ritchie Exploration, Inc. #4767
#2 Schwartz
110' N & 70' W of the SE SW SW
section 25-19S-28W
Lane County, KS

ORIGINAL

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SEP 09 1992

FROM CONFIDENTIAL

ACO-1 form
Page 2

PLEASE KEEP THIS
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DRILL STEM TESTS

DST #1 from 4177' to 4211' (Lansing "I" zone). Straddle test. Recovered 510' of muddy water (no show of oil).
IFP:55-133#/30"; ISIP:1129#/30";
FFP:177-244#/30"; FSIP:1096#/30".

DST #2 from 4211' to 4228' (Lansing "J" zone). Recovered 630' of muddy water.
IFP:44-155#/30"; ISIP:1030#/30";
FFP:200-288#/30"; FSIP:1030#/30".

DST #3 from 4235' to 4257' ("K" zone). Recovered 925' of gas in pipe; 620' of clean gassy oil; 1,745' of slightly water cut oil (95% oil, 5% water); and 120' of watery mud with scum of oil.
IFP:488-776#/15"; ISIP:1030#/30";
FFP:865-964#/15"; FSIP:1030#/30".

DST #4 from 4276' to 4310' ("L" zone). Recovered 806' of gas in pipe; 315' gassy mud cut oil (20% gas, 55% oil, 25% mud); 315' water & gas cut oil (15% gas, 70% oil, 5% mud, 10% water); and 310' muddy water. 940' total fluid.
IFP:111-200#/15"; ISIP:1019#/30";
FFP:277-377#/15"; FSIP:997#/30".

DST #5 from 4469' to 4595' (Myrick Station, Ft. Scott, Cherokee). Recovered 145' of gas in pipe and 40' of oil and gas cut mud (10% gas, 20% oil, 70% mud).
IFP:33-33#/30"; ISIP:411#/45";
FFP:33-33#/30"; FSIP:411#/45".

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

MAY 30 90 1000743
07003 RELEASED

ORIGINAL

CONFIDENTIAL

TO: Ritchie Exploration Inc.
125 N. Market #1000
Wichita, Kansas 67202

INVOICE NO. FROM CONFIDENTIAL 56549

PURCHASE ORDER NO. 7086002

LEASE NAME Schwartz #2

DATE May 18, 1990

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

Common 81 sks @\$5.00
Pozmix 54 sks @\$2.25
Chloride 4 sks @\$20.00

\$ 405.00
121.50
80.00

Handling 135 sks @\$0.90
Mileage (34) @\$0.03c per sk per mi
Surface
Mi @\$1.00 pmp. trk.
1 plug

121.50
137.70
360.00
34.00
40.00

RECEIVED
STATE CORPORATION COMMISSION
STATE REGISTRATION

AUG 21 1990

CONSERVATION DIVISION
Wichita, Kansas

Ce ment circ.

100-100-270

Total

3820/70

MAY 22 1990

Material \$ 606.50

693.20

\$ 1,299.70

(259.94)

1,039.76

LAK

THANK YOU
All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

ORIGINAL

RELEASED

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

2003 SEP 09 1962
CONFIDENTIAL
FROM CONFIDENTIAL

MAY 90

1001115

TO: Ritchie Exploration Inc.
125 N. Market #1000
Wichita, Kansas 67202

INVOICE NO. 56604

PURCHASE ORDER NO. W 70850025102

LEASE NAME Schwartz #2

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

DATE May 27, 1990

SERVICE AND MATERIALS AS FOLLOWS:

Common 99 sks @ \$5.00	\$ 495.00
Pozmix 66 sks @ \$2.25	148.50
Gilsonite 495# @ \$0.29	143.55
Salt 16 sks @ \$4.75	<u>76.00</u>
Handling 165 sks @ \$0.90	148.50
Mileage (34) @ \$0.03¢ per sk per mi	168.30
Production string	838.00
Mi @ \$1.00 pmp. trk.	34.00
1 plug	<u>43.00</u>
1-5 1/2" g. shoe	119.00
1 AFU	180.00
6 cent.	246.00
1 basket	<u>121.00</u>

\$ 863.05

1,231.80

6200-270

2,094.85

6500-800

666.00

Total

\$ 2,760.85

Float held

THANK YOU

MAY 30 1990

AC 3810/70

JUN 12 1990

Bernie Dills
(552.17)
2208.68

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

RECEIVED
STATE COMMISSION
AUG 2 1990
CONSERVATION DIVISION
Wichita, Kansas

483-2627

ALLIED CEMENTING COMPANY LIMITED

JUN 9 0

1 0 0 1 1 9 8

ORIGINAL

P. O. BOX 31
RUSSELL, KANSAS 67665

SEP 0 9 1992

02003

CONFIDENTIAL

TO: Ritchie Exploration Inc.
125 N. Market #1000
Wichita, Kansas 67202

FROM: CONFIDENTIAL 56639

PURCHASE ORDER NO. W. 7055002

LEASE NAME Schwartz #2

DATE June 2, 1990

SERVICE AND MATERIALS AS FOLLOWS:

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

Lite wt 220 sks @\$4.00 880.00
Flo seal 55#@\$0.60 33.00

\$ 913.00

Handling 450 sks @\$0.90 405.00
Mileage (34) @\$0.03¢ per sk per mi 459.00
Port collar 450.00
Mi @\$1.00 pmp. trk. 344.00

6,200-270 1,348.00

Total \$ 2,261.00

Cement port collar #2

THANK YOU

3620/70

Bernie Pitts

<1152.00>

1808.80

JUN 0 5 1990

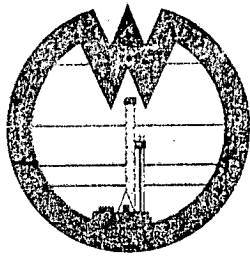
JUN 1 2 1990

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

STATE COMMISSION

AUG 2 1 1990

CONSERVATION DIVISION
Wichita, Kansas



WHITE

AND ELLIS DRILLING, Inc.

DRILLERS LOG

OPERATOR: Ritchie Exploration, Inc., 125 N. Market - Suite 1000,
Wichita, KS 67202
CONTRACTOR: White & Ellis Drilling, Inc., 401 E. Douglas, Suite 500,
Wichita, Ks. 67202

Lease Name Schwartz Well No. 2
Sec. 25 T. 19S R. 28W Spot SE SW SW
County Lane State Kansas Elevation _____

Casing Record:

Surface: 8 5/8" @ 207' with 135 sx. 2% Gel 3% CC
Production: 5 1/2" @ 4647' with 225 sx.

Type Well: Oil Well Total Depth 4650'

Drilling Commenced 5-18-90 Drilling Completed 5-27-90

Formation	From	To	Tops
Shale, Lime	0	4650	

STATE OF KANSAS
106-1990
CONSERVATION