

ORIGINAL

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: Texaco Trading & Trans.

Operator Contact Person: Bob Mathiesen

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 OMMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

7/17/90 7/28/90 8/20/90

Spud Date Date Reached TD Completion Date

API NO. 15- 193-20,523-0000

County Thomas

NW NE NE Sec. 21 Twp. 10 Rge. 31 East West

4950 Ft. North from Southeast Corner of Section

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

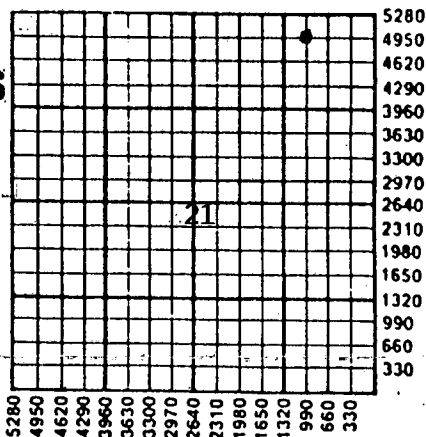
Lease Name L. Ottley Well # 1

Field Name unknown

Producing Formation Lansing

Elevation: Ground 2970' KB 2975'

Total Depth 4650' PBTD 4550'



10-22-80

Amount of Surface Pipe Set and Cemented at 323' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2505' Feet

If Alternate II completion, cement circulated from 2505'

feet depth to surface w/ 300 275 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 10/19/90
OCT 19 1990
10-19-90

Subscribed and sworn to before me this 11th day of October 19 90.

Notary Public Linda K. Rice

Date Commission Expires 6/07/92

LINDA K. RICE
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appt. Exp. 6-7-92

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 M Wireline Log Received
 C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
 (Specify)

ORIGINAL

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name L. Ottley Well # 1
Sec. 21 Twp. 10S Rge. 31W East West
County Thomas

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 page)

Formation Description
 Log Sample
Name _____ Top _____ Bottom _____
(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 1/4"	8-5/8"	28#	323'	60/40 poz	200	2% gel, 3% CC
Production	7-7/8"	5 1/2"	14#	4642'	60/40 poz	150	105 salt, 3% gil-sonite

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		Material	Depth
3 shots	4587'-4590' (Miss.)	Acid.w/ 250 gal. 15% MCA	4587'-90'
2 shots	4284'-87' (L/KC "L" zone)	Acid.w/500 gal. 15% INS	" "
		Acid.w/500 gal. 15% NE	4284'-87'
		Acid.w/750 gal. 28% NE	" "

TUBING RECORD Size _____ Set At _____ Packer At _____ Liner Run Yes No

Date of First Production 8/20/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>3</u> Bbls.	Gas _____ Mcf	Water <u>0</u> Bbls.	Gas-Oil Ratio _____	Gravity _____
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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 4284'-87'

ORIGINAL

Ritchie Exploration, Inc.
 #4767
 #1 L. Ottley
 NW NE NE
 Section 21-10S-31W
 Thomas County, KS

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ACO-1
 Page 2

DRILL STEM TESTS

DST #1 from 4079' to 4102' (L/KC "E" zone).
 Misrun. Tool would not open.

DST #2 from 4079' to 4102' (L/KC "E" zone).
 Recovered 20' of mud.
 IFP:11-22#/30"; ISIP:1277#/30";
 FFP:22-33#/30"; FSIP:1267#/30".

DST #3 from 4142' to 4240' (L/KC "H-J" zones).
 Recovered 20' of mud.
 IFP:22-22#/30"; ISIP:1288#/30";
 FFP:22-22#/30"; FSIP:1277#/30".

DST #4 from 4229' to 4300' (L/KC "K-L" zones).
 Recovered 1200' of gas in pipe; 310' of
 clean gassy oil (50% gas, 50% oil); 180'
 of gassy mud cut oil (40% gas, 40% oil,
 20% mud); 120' of gassy oil cut mud (40%
 gas, 20% oil, 40% mud). 610' of total
 fluid.
 IFP:45-167#/30"; ISIP:1298#/45";
 FFP:189-255#/30"; FSIP:1288#/45".

DST #5 from 4394' to 4470' (Pawnee-Myrick
 Station). Recovered 10' of mud, scum of
 oil on top of tool.
 IFP:11-11#/30"; ISIP:33#/30";
 FFP:11-11#/30"; FSIP:33#/30".

DST #6 from 4467' to 4565' (Ft. Scott-Johnson
 zone). Recovered 15' of oil cut mud and
 120' of gas in pipe.
 IFP:11-11#/30"; ISIP:288#/30";
 FFP:11-11#/30"; FSIP:738#/45".

DST #7 from 4556' to 4582' (Cong. sand).
 Recovered 10' of mud with spots of oil.
 IFP:11-11#/30"; ISIP:30#/30";
 FFP:11-11#/30"; FSIP:45#/30".

DST #8 from 4557' to 4593' (Miss. Dolo.).
 Recovered 420' of gas in pipe; 60' of clean
 gassy oil (40% gas, 60% oil); 270' of gas
 and oil cut mud (40% gas, 30% oil, 30%
 mud). 330' total fluid.
 IFP:33-78#/30"; ISIP:1140#/45";
 FFP:89-134#/30"; FSIP:1129#/45".

ELECTRIC LOG TOPS

Anhydrite	2533' (+ 442)
B/Anhydrite	2561' (+ 414)
Heebner	3976' (-1001)
Toronto	3999' (-1024)
Lansing	4019' (-1044)
Muncie Creek	4147' (-1172)
Stark	4228' (-1253)
B/KC	4290' (-1315)
Marmaton	4321' (-1346)
Pawnee	4414' (-1439)
Myrick Station	4446' (-1471)
Ft. Scott	4475' (-1500)
Cherokee	4505' (-1530)
Johnson zone	4547' (-1572)
Cgl. sand	4574' (-1599)
Miss. Dolo.	4580' (-1605)
LTD	4650' (-1675)

RECEIVED
 STATE CORPORATION COMMISSION

OCT 19 1990

CONSERVATION DIVISION
 Wichita, Kansas

15-193-20523-0000

ORIGINAL

TELEPHONE:

AREA CODE 911 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665 7003

TO: Ritchie Exploration, Inc.
Att: John Nleinberger
1705 Anthony Drive
Hays, Kansas 67601

AUG 9 0 1 0 0 1 9 4 0

INVOICE NO. 57121

PURCHASE ORDER NO.

LEASE NAME

L. Ottley #1

DATE

Aug. 8, 1990

Jed

w-6583001

SERVICE AND MATERIALS AS FOLLOWS:

Common 138 sks @\$6.00	\$ 828.00
Pozmix 137 sks @\$2.40	328.80
Gel 10 sks @\$6.75	<u>67.50</u>
Handling 275 sks @\$0.90	
Mileage (11) @\$0.03c per sk per mi	90.75
Port collar	450.00
Mi @\$1.00 pmp. trk.	<u>11.00</u>

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\$ 1,224.30

799.25

Total

\$ 2,023.55

If account CURRENT 20% discount will
be allowed ONLY if paid within 30 days
from-date of invoice.

THANK YOU

6200.0270 = 2073.55

3820/70 = 404.71

AUG 23 1990

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

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OCT. 19 1990
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

TELEPHONE:

AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

JUL 90 100 1838

TO: Ritchie Exploration Inc.
Att: J. Niernberger
1705 Anthony Drive
Hays, Kansas 67601

INVOICE NO. 57066

PURCHASE ORDER NO. _____

LEASE NAME L. Ottley #1

DATE July 29, 1990

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SERVICE AND MATERIALS AS FOLLOWS:

Common 96 sks @\$6.00	\$ 576.00	
Pozmix 64 sks @\$2.40	153.60	
Salt 14 sks @\$4.75	66.50	
Gil 411#@\$0.29	119.19	
WFR II 500 gal @\$0.21	<u>105.00</u>	\$ 1,020.29
Handling 160 sks @\$0.90	144.00	
Mileage (11) @\$0.03¢ per sk per mi	52.80	
Production string	838.00	
Mi @\$1.00 pmp. trk.	11.00	
1 plug	<u>43.00</u>	1,088.80
1-5 1/2" G. shoe	205.00	
1 AFU	180.00	
6 cent.	264.00	
1 basket	121.00	
1 p. collar	<u>1645.00</u>	<u>2,415.00</u>

6700 Total \$ 4,524.09

AUG 1 1990 Martin [Signature]

Float held

THANK YOU

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

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CORPORATION COMMISSION
OCT 19 1990
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC. 2003

P. O. BOX 31
RUSSELL, KANSAS 67665

JUL 90 100 1778

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

INVOICE NO. 56991

PURCHASE ORDER NO. _____

LEASE NAME L. Ottey #1

DATE July 17, 1990

SERVICE AND MATERIALS AS FOLLOWS:

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Common 120 sks @\$6.00	\$ 720.00
Pozmix 80 sks @\$2.40	192.00
Chloride 6 sks @\$20.00	<u>120.00</u>
Handling 200 sks @\$0.90	180.00
Mileage (11) @\$0.03c per sk per mi	66.00
Surface	360.00
Mi @\$1.00 pmp. trk.	11.00
1 plug	<u>71.00</u>

\$ 1,032.00

688.00

\$ 1,720.00

Cement circ.

6100-0270 Total

3520/70 / 344.00

THANK YOU

JUL 20 1990
1376.00

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

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OCT 19 1990

CONSERVATION DIVISION
Wichita, Kansas