

ORIGINAL

RELEASED 1-8-92
2-5-92
FEB 0 5 1992

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 Co.

Operator Contact Person: Jeff Christian
Phone (316) 267-4375

Contractor: Name: Murfin Drilling Co.
License: 6033

Wellsite Geologist: Kitt Noah

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
10/21/90 10/29/90 11/29/90
Spud Date Date Reached TD Completion Date

API NO. 15- 15-065-22,590
County Graham
100 N of N/2 SW Sec. 7 Twp. 6S Rge. 21W X East West

2075' Ft. North from Southeast Corner of Section
3960' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

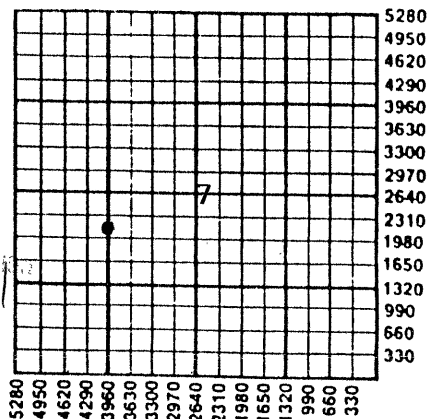
Lease Name White Well # 3

Field Name New Boys

Producing Formation Lansing & Toronto

Elevation: Ground 2215' KB 2220'

Total Depth 3770' PBTD n/a



PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

Amount of Surface Pipe Set and Cemented at 250' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1855' Feet

If Alternate II completion, cement circulated from 1885'

feet depth to surface w/ 280 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.

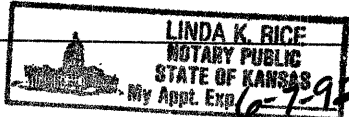
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title President Date 1/08/91

Subscribed and sworn to before me this 8th day of January, 19 91.

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 White Well # 3
 Sec. 7 Twp. 6S Rge. 21W East County Graham
 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 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#	250'	60/40 poz	180	2% gel, 3%CC
Production	7-7/8"	5 1/2"	14#	3769'	60/40 poz	115	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
3 SSB	3466.5'-3470'	Acid. w/750 gal. 15% NE	3466.5'-70'
3 SSB	3450.5' to 3454'	Acid. w/750 gal. 15% NE	3450.5'-54'

TUBING RECORD Size 2-3/8" Set At 3748.33' Packer At _____
 Liner Run Yes No

Date of First Production 11/29/90 Producing Method Flowing Pumping Gas Lift Other (Explain)
 Estimated Production Per 24 Hours Oil 20 Bbls. Gas _____ Mcf Water 4 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 3466.5-70' & 3450.5-54'

1-8-92

ORIGINAL

RELEASED

Ritchie Exploration, Inc.
#4767

FEB 0 5 1992

FROM CONFIDENTIAL

#3 White
100' N of N/2 SW
Section 7-6S-21W
Graham County, Kansas
API# 15-065-22,590
ACO-1 form
Page 2

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DRILL STEM TESTS

ELECTRIC LOG TOPS

DST #1 from 3362' to 3381' (Oread "A").
Recovered 2' of mud.
IFP:28-28#/30"; ISIP:28#/30";
FFP:28-28#/30"; FSIP:28#/30".

Anhydrite	1867' (+ 353)
B/Anhydrite	1899' (+ 321)
Topeka	3235' (-1015)
Heebner	3426' (-1206)
Toronto	3450' (-1230)
Lansing	3466' (-1246)
B/KC	3657' (-1437)
Cgl. sand	3706' (-1486)
*Arbuckle	3735' (-1515)
LTD	3771' (-1551)

DST #2 from 3392' to 3412' (Oread "B").
Recovered 20' of free oil and 130' of
water.
IFP:57-57#/30"; ISIP:269#/30";
FFP:76-86#/45"; FSIP:269#/45".

DST #3 from 3416' to 3459' (Toronto).
Recovered 130' of heavy oil cut mud (50%
oil, 50% mud).
IFP:67-76#/30"; ISIP:269#/45";
FFP:86-96#/30"; FSIP:269#/45".

*Sample top.

DST #4 from 3567' to 3628' (140', 160',
& 180' zones). Recovered 10' of oil cut
mud (10% oil, 90% mud).
IFP:86-86#/30"; ISIP:192#/30";
FFP:86-86#/30"; FSIP:134#/30".

DST #5 from 3630' to 3660' (200'-220'
zones). Recovered 25' of slightly oil
cut mud (5% oil).
IFP:67-67#/30"; ISIP:625#/30";
FFP:76-76#/30"; FSIP:423#/30".

DST #6 from 3684' to 3743' (Cgl. sand - Arbuckle). Recovered 10' of free
oil; 180' oil cut watery mud (20% oil, 30% water, 50% mud); and 120' of
water. 310' total fluid.
IFP:105-125#/30"; ISIP:990#/45";
FFP:163-173#/30"; FSIP:903#/45".

RECEIVED
STATE COMMISSION

JAN 17 1991

STATE COMMISSION

APR 15-065-225790
RELEASED

FEB 05 1992

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

7-6-21W
FROM CONFIDENTIAL

TELEPHONE:
AREA CODE 913 483-2627

OCT 90 1 002328
INVOICE NO. 57743
PURCHASE ORDER NO. [Handwritten initials]
LEASE NAME White #3

Oct. 21, 1990

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

PLEASE KEEP THIS
DATE INFORMATION
CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

Common 108 sks @\$5.25	\$ 567.00	
Pozmix 72 sks @\$2.25	162.00	
Chloride 5 sks @\$21.00	105.00	\$ 834.00
Handling 180 sks @\$1.00	180.00	
Mileage (42) @\$0.03¢ per sk per mi	226.80	
Surface	380.00	
Mi @\$2.00 pmp. trk.	84.00	
1 plug	63.00	
		<u>933.80</u>
	Total	\$ 1,767.80

Cement circ:

W100-0270 = 1767.80
3820/70 = (353.56)

1990

THANK YOU

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

511

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31 2003
RUSSELL, KANSAS 67665

RELEASED

FEB 0 5 1992

OCT 90 1 0 0 2 4 8 0

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

INVOICE NO. FROM CONFIDENTIAL 57893
PURCHASE ORDER NO. W-9171003
LEASE NAME White #3
DATE Oct. 29, 1990

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

Common 84 sks @\$5.25	441.00	
Pozmix 56 sks @\$2.25	126.00	
Salt 14 sks @\$4.75	66.50	
Gilsonite 363# @\$0.55	119.79	
WFR II 500 gal @\$0.50	<u>250.00</u>	1,003.29
Handling 140 sks @\$1.00	140.00	
Mileage (42) @\$0.03¢ per sk permi	176.40	
Production string	880.00	
Mi @\$2.00 pmp. trk.	84.00	
1 plug	<u>45.00</u>	1,325.40
1-5½" g. shoe	125.00	
1 AFU	189.00	
1 basket	127.00	
6 cent.	319.50	
1 p. collar	<u>1785.00</u>	<u>2,545.50</u>

6500-0800 port collar = 2545.50
6200-0270 cement prod. log = 2328.69
3820/7A = 1974.84
Total \$ 4,874.19

Float held

THANK YOU

NOV 12 1990

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

TELEPHONE:

AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67665

FEB 0 5 1992

NOV 90

1 0 0 2 5 2 8

FROM CONFIDENTIAL

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

INVOICE NO. 57958

PURCHASE ORDER NO. _____

LEASE NAME White #3

DATE Nov. 7, 1990

W. 9171003

TEN

SERVICE AND MATERIALS AS FOLLOWS:

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

Common 158 sks @\$5.25	\$ 829.50
Posmix 157 sks @\$2.25	353.25
Gel 11 sks. @\$6.75	<u>174.25</u>

\$ 1,257.00

Handling 315 sks @\$1.00	315.00
Mileage (42) @\$0.03¢ per sk per mi	396.90
Port collar	475.00
Mi @\$2.00 pmp. trk.	<u>84.00</u>

CONSERVATION DIVISION
Wichita, Kansas
1,270.90

Total \$ 2,527.90

Cement circ.

- cement port collar

6200.0270 = 2527.90
3320/70 = 508.88

NOV 26 1990

THANK YOU

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