

ORIGINAL

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

SIDE ONE

CONFIDENTIAL

RELEASED
12-13-91
DEC 13 1991

API NO. 15- 065-22,589-00-00

County Graham
300' N of Sec. 24 Twp. 6S Rge. 22 X East
NE NE NE West

5250' Ft. North from Southeast Corner of Section
330' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Allen Worcester "B" Well # 2

Field Name Gob SE

Producing Formation n/a

Elevation: Ground 2325' KB 2330'

Total Depth 3890' PBTD n/a

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: n/a

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 OWWO: old well info as follows:
Operator: _____

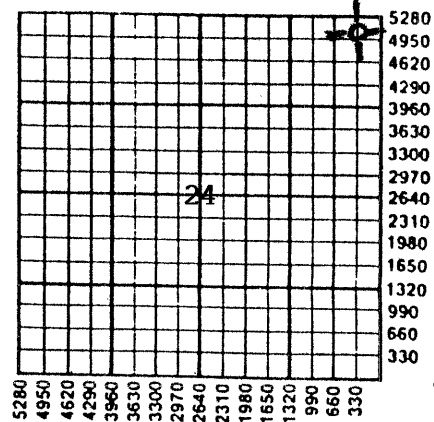
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

9/14/90 9/22/90 9/23/90
Spud Date Date Reached TD Completion Date

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Amount of Surface Pipe Set and Cemented at 255' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ 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 11/07/90

Subscribed and sworn to before me this 7th day of November, 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
RECEIVED
KCC STATE CORPORATION COMMISSION
KGS
NOV 13 1990
NGPA Plug Other (Specify)

11-13-90

PI

SIDE TWO

Operator Name Ritchie Exploration, Inc.

Lease Name Allen Worcester "B" Well # 2

Sec. 24 Twp. 6S Rge. 22W East West

County Graham

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.)

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Formation Description		
Name	Top	Bottom
Anhy		1983' (+ 347)
B/Anhy		2014' (+ 316)
Topeka		3337' (-1007)
Heebner		3540' (-1210)
Toronto		3565' (-1235)
Lansing		3584' (-1254)
B/KC		3775' (-1445)
Cgl. sand		3824' (-1494)
Arbuckle		3869' (-1539)
LTD		3890' (-1560)

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#	255'	60/40 poz	175	2% gel, 3%CC

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth

TUBING RECORD

Size	Set At	Packer At	Liner Run
			<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. Gas Mcf Water 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

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FROM CONFIDENTIAL

Ritchie Exploration, Inc.
#4767
#2 Allen Worcester "B"
300' N of NE NE NE
Section 24-6S-22W
Graham County, Kansas

ACO-1 form
Page 2

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DRILL STEM TESTS

DST #1 from 3530' to 3580' (Toronto).
Recovered 170' of muddy water with a
few oil spots.
IFP:115-125#/30"; ISIP:1143#/45";
FFP:144-153#/30"; FSIP:1104#/45".

DST #2 from 3575' to 3595' (Top zone).
Recovered 3' of mud with few oil spots.
IFP:48-48#/30"; ISIP:67#/30";
FFP:48-48#/30"; FSIP:48#/30".

DST #3 from 3637' to 3651' (70' zone).
Recovered 5' of mud with oil spots.
IFP:42-42#/30"; ISIP:632#/30";
FFP:52-52#/30"; FSIP:338#/30".

DST #4 from 3837' to 3863' (Cgl. sand). Recovered 1020' of muddy water.
IFP:105-288#/30"; ISIP:865#/30";
FFP:355-451#/30"; FSIP:788#/30".

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CONSERVATION DIVISION
Wichita, Kansas

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ORIGINAL

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TELEPHONE:

AREA CODE 913 483 2627

ALLIED CEMENTING COMPANY, INC. 07002

P. O. BOX 31

RUSSELL, KANSAS 67665

FROM CONFIDENTIAL

SEP 90

100 2132

TO: Ritchie Exploration, Inc.

INVOICE NO. 57483

125 N. Market Suite 1000

PURCHASE ORDER NO. _____

Wichita, KS 67202 109350007

LEASE NAME Allen Worchester B-2

DATE Sept. 22, 1990

SERVICE AND MATERIALS AS FOLLOWS:

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Common	135 sks @ \$5.00	\$ 675.00	
Poz Mix	90 sks @ \$2.25	202.50	
Gel	8 sks @ \$6.75	54.00	
Flo Seal-2	@ \$15.00	30.00	\$ 961.50
		<u>30.00</u>	

Handling	225 sks @ \$.90	202.50	
Mileage (39)	@ \$.03 per sk per mi	263.25	
Plugging		360.00	
Mi @ \$2.00	Pmp Trk	78.00	
Plug		20.00	
		<u>20.00</u>	923.75

Total \$ 1,885.25

25 sks @ 3870
 25 sks @ 2000
 100 sks @ 1220'
 40 sks @ 300'
 10 sks @ 40'
 10 sks in MH
 15 sks in RH

3320/10 = 332.00
 6100.0770 = 1835.25

THANK YOU

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

SEP 28 1990

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CONSERVATION DIVISION Wichita, Kansas

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DEC 13 1990

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67669

100 2.132

FROM CONFIDENTIAL

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

INVOICE NO. 57426

PURCHASE ORDER NO. _____

LEASE NAME Allen Worcester B #2

W-935000Z

DATE Sept. 14, 1990

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SERVICE AND MATERIALS AS FOLLOWS:

Common 105 sks @\$5.00	\$ 525.00	
Pozmix 70 sks @\$2.25	157.50	
Chloride 5 sks @\$20.00	<u>100.00</u>	\$ 782.50
Handling 175 sks @\$0.90	157.50	
Mileage (39) @\$0.03c per sk per mi	204.75	
Surface	360.00	
Mi @\$2.00 pmp. trk.	78.00	
1 plug	<u>40.00</u>	<u>840.25</u>
	Total	\$ 1,622.75

Cement circ.

THANK YOU

3570/10 = 1324.55
*6100 * 0.270 = 1627.75*

SEP 28 1990

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CONSERVATION DIVISION
Wichita, Kansas