

15-147-20560-00-00

ORIGINAL

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

API NO. 15- 15-147-20,560
County Phillips
SE . SE . SE . Sec. 23 Twp. 4 Rge. 20W

Operator: License # 4767

330 Feet from S/W (circle one) Line of Section

Name: Ritchie Exploration, Inc.

330 Feet from E/W (circle one) Line of Section

Address 125 N. Market

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

City/State/Zip Wichita, KS 67202

Lease Name Boyd Well # 1

Purchaser: NCRA

Field Name Slinker

Operator Contact Person: Lisa Thimmesch

Producing Formation L/KC

Phone (316) 267-4375

Elevation: Ground 2026 KB 2031

Contractor: Name: White & Ellis

Total Depth 3510 PSTD 3476'

License: 5420

Amount of Surface Pipe Set and Cemented at 208' Feet

Wellsite Geologist: J. Christian

Multiple Stage Cementing Collar Used? X Yes No

Designate Type of Completion

If yes, show depth set 1534' Feet

X New Well Re-Entry Workover

If Alternate II completion, cement circulated from 1534'

X Oil SWD SLOW Temp. Abd.

feet depth to surface w/ 225 sz cnt.

Gas ENHR SIGW

Drilling Fluid Management Plan ALT 2 JH 2-27-96
(Data must be collected from the Reserve Pft)

Dry Other (Core, VSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: MAR 23 1998

Chloride content 1700 ppm Fluid volume 653 bbls

Well Name:

Dewatering method used evaporation

Comp. Date

Location of fluid disposal if hauled offsite

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PSTD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

6-7-95 6-14-95 6-30-95

Spud Date Date Reached TD Completion Date

Operator Name

Lease Name License No.

Quarter Sec. Twp.

County Docket No.

RELEASED

FROM CONFIDENTIAL

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

10-6-95 OCT 06 1995

CONSERVATION DIVISION WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 10/5/95

Subscribed and sworn to before me this 5th day of October 19 95

Notary Public Lisa Thimmesch

Date Commission Expires

LISA THIMMESCH NOTARY PUBLIC STATE OF KANSAS My Appt. Exp. 8-29-99

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep XGPA
KGS Plug Other (Specify)

Operator Name WALCO Ritchie Exploration, Inc. Lease Name Boyd Well # 1
 County Phillips
 Sec. 23 Twp. 4 Rge. 20W
 East
 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.)
 List All E.Logs Run:
 Correlation Cement Bond Log
 Radiation Guard Log

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attached sheet

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#	208	60/40 poz	140	2% gel 4% CC
production	7 7/8"	5 1/2"	14#	3507	EA-2	135	5% Calseal 10% salt, 0.4% HALAD-3 5# Gilsomite 1.4# D-Air
		PORT COLLAR		1534'			

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	3252'-54', 3255'-54'		

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TUBING RECORD

Size	Set At	Packer At	Liner Run
2. 3/8"	3459	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 6-30-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>43.87</u> Bbls.	Gas Mcf	Water <u>23.09</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 Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 3252'-3258'

RITCHIE EXPLORATION, INC.

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

#1 Boyd
SE SE SE
Section 23-4S-20W
Phillips County, Kansas
API# 15-147-20,560
Elevation: 2026' G.L. 2031' K.B.

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MAR 23 1998

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OCT 06 1995

CONSERVATION DIVISION
WICHITA, KS

ELECTRIC LOG TOPS

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Anhydrite	1560' (+ 471)
B/Anhy	1586' (+ 445)
Topeka	2944' (- 913)
Heebner	3138' (-1107)
Toronto	3168' (-1137)
Lansing	3184' (-1153)
B/KC	3388' (-1357)
Ero. Arb.	3484' (-1453)
Solid Arb.	3502' (-1471)
LTD	3509' (-1478)

DST #1 from 3134' to 3200' (Toronto and L/KC Top zone). Mis-run, plugged tool.

DST #2 from 3135' to 3210' (Toronto and L/KC Top zone). Recovered 300' of drilling mud and 180' of slight mud cut water.
IFP:110-144#/30"; ISIP:378#/30";
FFP:220-238#/30"; FSIP:366#/30".

DST #3 from 3203' to 3230' (L/KC 35' zone). Recovered 60' oil cut mud (25% oil, 75% mud).
IFP:26-35#/45"; ISIP:592#/45";
FFP:42-44#/45"; FSIP:555#/45".

DST #4 from 3225' to 3245' (L/KC 50' zone). Recovered 120' of gas in pipe and 110' muddy oil (70% oil, 30% mud).
IFP:44-55#/45"; ISIP:688#/45";
FFP:71-78#/45"; FSIP:660#/45".

DST #5 from 3242' to 3268' (L/KC 70' and 90' zones). Recovered 300' of gas in pipe, 340' of slight gas and mud cut oil (10% gas, 70% oil, 20% mud), 180' very slight oil cut gassy water (10% gas, 2% oil, 88% water), and 250' slight gas cut water (5% gas, 95% water). Total fluid 770'.
IFP:78-178#/30"; ISIP:845#/30";
FFP:245-300#/30"; FSIP:845#/30".

DST #6 from 3321' to 3360' (L/KC 160' and 180' zones). Recovered 35' of muddy oil (70% oil, 30% mud).
IFP:46-50#/30"; ISIP:544#/30";
FFP:54-68#/30"; FSIP:440#/30".

2003
ALLIED CEMENTING COMPANY, INC.

913-483-2627
 P. O. BOX 31
 RUSSELL, KANSAS 67665

To: Ritchie Exploration
125 N. Market #1000
Wichita, KS 67202

Invoice No. 69049

Purchase Order No. JKW

Lease Name Boyd #1

Date 6-21-95

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 KANSAS CORPORATION COMMISSION

11 completion

Service and Materials as Follows:

Common 113 sks @\$6.10 \$689.30
 Pozmix 112 sks @\$3.15 352.80
 GE1 12 sks @\$9.50 114.00
 Flo Seal 75# @\$1.15 86.25

Handling 225 sks @\$1.05 236.25
 Mileage (73) @\$.04¢ per sk pe mi 657.00
 Port Collar 550.00
 Mi @\$2.35 pmp trk chg 171.55

\$1,242.35

1,614.80

\$2,857.15

2857.15

<571.43>

2285.72

*- cement top stage
 port collar
 Art II Cementing*

JUN 95

1013942 Total

6200-270

CEMENT PORT COLLAR, #1

3820/70

571.43

Thank You!

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

FROM CONFIDENTIAL

MAR 23 1998

RELEASED

806-60122				
320	CEMENT BASKET 5 1/2"	1 EA	110.00	77 110.00
800-8883				
73	BAKER PORT COLLAR	1 EA	1,350.00	75 1,350.00
813-0151				
018-315	HUB BRUSH			

2003

ALLIED CEMENTING COMPANY, INC.

913-483-2627

P. O. BOX 31

RUSSELL, KANSAS 67665

RECEIVED
KANSAS CORPORATION COMMISSION
OCT 06 1995
CONSERVATION DIVISION
WICHITA, KS

To: Ritchie Exploration, Inc.
125 N. Market, #1000
Wichita, KS 67202

Invoice No. 68955
Purchase Order No. _____
Lease Name Boyd #1 W-989001
Date 6-7-95

Service and Materials as Follows:

FROM CONFIDENTIAL

MAR 23 1998

RELEASED

Common 81 sks @\$6.10	\$494.10
Pozmix 54 sks @\$3.15	170.10
Gel 3 sks @\$9.50	28.50
Chloride 5 sks @\$28.00	<u>140.00</u>

\$ 832.70

Handling 135 sks @\$1.05	141.75
Mileage (73) @\$.04¢ per sk per mi	394.20
Surface	445.00
Mi @\$2.35 pmp trk chg	171.55
1 plug	<u>45.00</u>

1,197.50

Total

\$2,030.20

406.04

6100.270
3820/70

<406.04>

JUN 95

1013910

1624016

Thank You!

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

ALLIED CEMENTING CO., INC.

3224

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Hay's

DATE <u>6-7-95</u>	SEC. <u>23</u>	TWP. <u>4S</u>	RANGE <u>20W</u>	CALLED OUT <u>12:15PM</u>	ON LOCATION <u>2:00PM</u>	JOB START <u>4:15PM</u>	JOB FINISH <u>4:45PM</u>
LEASE <u>Boyd</u>	WELL # <u>1</u>	LOCATION <u>Logan 1 1/2 E 1 N W.S.</u>			COUNTY <u>PHILLIPS</u>	STATE <u>KANSAS</u>	

OLD OR NEW (Circle one)

CONTRACTOR WHITE & ELLIS Rig# 9

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 209'

CASING SIZE 8 5/8 DEPTH 208'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

OWNER _____

CEMENT

AMOUNT ORDERED 135 ~~140~~ SK 60/40

490 CC 290 GEL

COMMON	<u>81</u>	@	<u>610</u>	<u>494.10</u>
POZMIX	<u>54</u>	@	<u>315</u>	<u>170.10</u>
GEL	<u>3</u>	@	<u>950</u>	<u>28.50</u>
CHLORIDE	<u>5</u>	@	<u>28.00</u>	<u>140.00</u>

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EQUIPMENT

MAR 23 1998

PUMP TRUCK CEMENTER Alan

177 HELPER Mark

BULK TRUCK DRIVER Jason

DRIVER

FROM CONFIDENTIAL

HANDLING @ 105 141.25

MILEAGE 73m .04 394.20

TOTAL 1368.65

REMARKS:

SERVICE

Cement Circulated

DEPTH OF JOB _____

PUMP TRUCK CHARGE 445.00

EXTRA FOOTAGE @ _____

MILEAGE 73m @ 235 171.55

PLUG 1-8 5/8 WOODEN @ 45.00

TOTAL 661.55

CHARGE TO: RITCHIE EXPLORATION INC.

STREET 125 N Market, # 1000

CITY Wichita STATE Kan ZIP 67202

FLOAT EQUIPMENT

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Gary Chard

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 06 1995

CONSERVATION DIVISION
WICHITA, KS