

ORIGINAL

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

CONFIDENTIAL

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address P.O. Box 783188

City/State/Zip Wichita, KS 67278

Purchaser: _____

Operator Contact Person: Julie Stout

Phone (316) 691-9500

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Robert L. Milford

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11-14-97 11-24-97 11-25-97
Spud Date Date Reached TD Completion Date

API NO. 15- 071-20,682-00-00

County Greeley

Approx. SW-SW - - - - Sec. 28 Twp. 16 Rge. 41 W

560 Feet from (S)N (circle one) Line of Section

568 Feet from E(W) (circle one) Line of Section

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

Lease Name FTIA Well # 1

Field Name WC

Producing Formation NONE

Elevation: Ground 3761' KB 3766'

Total Depth 5300' PBTD _____

Amount of Surface Pipe Set and Cemented at 273 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.

Drilling Fluid Management Plan PTA, 9-25-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 29,000 ppm Fluid volume 1180 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: RELEASED

Operator Name Julie Stout 12 28 2001

Lease Name _____ License No. _____
JAN 13 FROM CONFIDENTIAL

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County CONFIDENTIAL Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 1-13-98

Subscribed and sworn to before me this 13th day of January, 19 98.

Notary Public Julie K. Stout

Date Commission Expires July 23, 2001

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

JULIE K. STOUT
Notary Public - State of Kansas
My Comm. Expires 7-23-2001

01-15-98

SIDE TWO

1449190

Operator Name Ritchfe Exploration, Inc.

Lease Name FTIA

Well # 1

Sec. 28 Twp. 16S Rge. 41

East

County Greeley

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:

Dual Induction Log

Sonic Log

Comp. Neutron Density Log

Log Sample
Formation (Top), Depth and Datums

Name Top Datum

see attached sheet

RELEASED

FEB 28 2001

FROM 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"	24#	273'	60/40 pos	220	2% gel, 3% cc

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

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: METHOD OF COMPLETION

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Production Interval
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____



RITCHIE

EXPLORATION, INC.
Wichita, Kansas

15-071-20682-00-00

CONFIDENTIAL

ORIGINAL

#1 FTIA
560' FSL & 568' FWL
Section 28-16S-41W
Greeley County, Kansas
API#15-071-20682 0000

RELEASED

MAR 28 2001

FROM CONFIDENTIAL

Log Tops

Anhydrite	2671'(+1096)
B/Anhy	2697'(+1070)
Topeka	3836'(- 69)
Heebner	4072'(- 305)
Toronto	4092'(- 325)
Lansing	4123'(- 356)
Marmaton	4546'(- 779)
Cherokee	4742'(- 975)
Morrow Sh	4967'(-1200)
Mid Mor Sd	5001'(-1234)
Keyes Lst	5049'(-1282)
Miss	5151'(-1384)
LTD	5299'(-1532)

JAN 13
CONFIDENTIAL

DST #1 3862' to 3883'

Recovered 180' of gas in pipe, 100' of clean gassy oil (15% gas, 85% oil, 25.5 degrees gravity), 50' of watery mud with a trace of oil (30% water, 70% mud), 150' of slight mud cut gassy water with an oil scum (10% gas, 70% water, 20% mud) and 350' of gassy water with an oil scum (10% gas, 90% water). 650' of total fluid.

IFP: 67-190#/30"; ISIP: 939#/30"

FFP: 246-291#/30"; FSIP: 928#/30"

DST #2 4072' to 4119'

Recovered 100' of water cut mud with an oil scum, 200' of mud cut water and 2,056' of water. 2,356' total fluid

IFP: 269-995#/30"; ISIP: 1074#/30"

FFP: 1051-1074#/30"; FSIP: 1074#/30"

DST #3 4961' to 5037'

Recovered 400' of mud with oil spots and 1985' water (Chlds 20,000)

IFP: 829-1070#/30"; ISIP: 1090#/30";

FFP: 1090-1090#/30"; FSIP: 1090#/30"

JAN 15 1998

ALLIED CEMENTING CO., INC. 9457

Federal Tax I.D.#

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

~~CONFIDENTIAL~~

SERVICE POINT:

Oakley

ORIGINAL

DATE <u>11-25-97</u>	SEC. <u>28</u>	TWP. <u>16 S</u>	RANGE <u>41 W</u>	CALLED OUT	ON LOCATION <u>6:30 AM</u>	JOB START	JOB FINISH <u>12:45 PM</u>
LEASE <u>FTJA</u>			WELL# <u>#1</u>	LOCATION <u>OxTown Feeders 6W-1 1/2 S-8S</u>		COUNTY <u>Greeley</u>	STATE <u>Kan</u>
OLD OR NEW (Circle one)							

CONTRACTOR <u>Abercrombie RTD #4</u>	OWNER <u>Same</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5300'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2 xH</u>	DEPTH <u>2710'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT	AMOUNT ORDERED <u>245 SKS 60/40 per</u>
	<u>6% Gel, 1/4" Flo-Seal</u>

COMMON	<u>147 SKS</u>	@	<u>7.55</u>	<u>1,109.85</u>
POZMIX	<u>98 SKS</u>	@	<u>3.25</u>	<u>318.50</u>
GEL	<u>13 SKS</u>	@	<u>9.50</u>	<u>123.50</u>
CHLORIDE		@		
<u>Flo-Seal</u>	<u>61 #</u>	@	<u>1.15</u>	<u>70.15</u>
		@		
		@		
		@		
		@		
HANDLING	<u>245 SKS</u>	@	<u>1.03</u>	<u>257.35</u>
MILEAGE	<u>40 per sk/mile</u>			<u>764.40</u>

TOTAL 2,643.65

EQUIPMENT

PUMP TRUCK #	CEMENTER <u>Walt</u>	HELPER <u>Walt</u>
BULK TRUCK #	DRIVER <u>Lennie</u>	
BULK TRUCK #	DRIVER	

REMARKS:

RELEASED

<u>50 SKS @ 2710'</u>	<u>MAR 28 2001</u>
<u>80 SKS @ 1800'</u>	
<u>40 SKS @ 900'</u>	
<u>50 SKS @ 300'</u>	FROM CONFIDENTIAL
<u>10 SKS @ 40'</u>	
<u>15 SKS in fill.</u>	<u>Walt</u>

~~CONFIDENTIAL~~

SERVICE

DEPTH OF JOB	<u>2710'</u>
PUMP TRUCK CHARGE	<u>580.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>78 miles</u>	@ <u>2.85</u> <u>222.30</u>
PLUG <u>8 3/8 DH</u>	@ <u>23.00</u>
	@
	@

TOTAL 825.30

CHARGE TO: Ritchie Explorations, Inc
 STREET P.O. Box 783 188
 CITY Wichita STATE Kan ZIP 67278-3188

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

STATE

TOTAL

JAN 15 1998

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.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Walter D. Brown

Walter D. Brown
 PRINTED NAME

ALLIED CEMENTING CO., INC. 8575

Federal Tax I.D.#

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

SERVICE POINT: 09Kley

ORIGINAL

CONFIDENTIAL

DATE <u>11-14-97</u>	SEC. <u>28</u>	TWP. <u>16s</u>	RANGE <u>41W</u>	CALLED OUT	ON LOCATION <u>4:30 P.M.</u>	JOB START <u>7:20 P.M.</u>	JOB FINISH <u>7:45 P.M.</u>
LEASE <u>FTIA</u>	WELL # <u>1</u>	LOCATION <u>Tribune NW 6W 2S</u>			COUNTY <u>Greeley</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Abercrombie RTD Inc Rig 4 OWNER Same

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>276'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>273'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT	

CEMENT
AMOUNT ORDERED 220 SKS 60/40 P82
32 4 25 Gel

COMMON	<u>132</u> SKS @ <u>7.55</u>	<u>996.60</u>
POZMIX	<u>88</u> SKS @ <u>3.25</u>	<u>286.00</u>
GEL	<u>4</u> SKS @ <u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>7</u> SKS @ <u>28.00</u>	<u>196.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>220</u> SKS @ <u>1.05</u>	<u>231.00</u>
MILEAGE	<u>4¢ per SK/mile</u>	<u>686.40</u>

EQUIPMENT

PUMP TRUCK # <u>102</u>	CEMENTER <u>Dean</u>
	HELPER <u>Walt</u>
BULK TRUCK # <u>315</u>	DRIVER <u>R.G.</u>
BULK TRUCK #	DRIVER

RELEASED
FEB 28 2001

TOTAL 2,434.00

REMARKS: FROM CONFIDENTIAL SERVICE

Cement did circulate ✓

Thank you

DEPTH OF JOB <u>273'</u>	
PUMP TRUCK CHARGE	<u>470.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>78 miles</u>	@ <u>2.85</u> <u>222.30</u>
PLUG <u>Surface</u>	@ <u>45.00</u>
	@
	@

TOTAL 737.30

CHARGE TO: Ritchie Explo Inc

STREET Box 783188

CITY Wichita STATE Kansas ZIP 67278-3188

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

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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.

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Walter D. Brown

Walter D. Brown
PRINTED NAME