

7/10/09

CONFIDENTIAL

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

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P.O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: _____
Operator Contact Person: Craig Caulk
Phone: (316) 691-9500
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Tom Funk

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/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD
☐ Plug Back ☐ Plug Back Total Depth
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Enhr.?) ☐ Docket No. _____

<u>3/21/07</u>	<u>3/30/07</u>	<u>3/31/07</u>
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 101-22010-0000
County: Lane
approx. S/2 N/2 SW Sec. 23 Twp. 17 S. R. 30 ☐ East ☒ West
1570 feet from S N (circle one) Line of Section
1180 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Emmons Well #: 1
Field Name: _____


Producing Formation: _____
Elevation: Ground: 2855 Kelly Bushing: 2866
Total Depth: 4612 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 232 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 PA NJ 1-22-09
(Data must be collected from the Reserve Pit)
Chloride content 15000 ppm Fluid volume 850 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West
County: _____ 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 of 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: Craig Caulk
Title: Geologist Date: 7/10/07
Subscribed and sworn to before me this 10th day of July
20 07
Notary Public: Debra K. Phillips
Date Commission Expires: 5-4-11

 **DEBRA K. PHILLIPS**
Notary Public - State of Kansas
My Appt. Expires 5-4-11

KCC Office Use ONLY	
<input checked="" type="checkbox"/> Letter of Confidentiality Received	RECEIVED KANSAS CORPORATION COMMISSION JUL 11 2007 CONSERVATION DIVISION WICHITA, KS
<input checked="" type="checkbox"/> If Denied, Yes <input type="checkbox"/> Date: _____	
<input checked="" type="checkbox"/> Wireline Log Received	
<input checked="" type="checkbox"/> Geologist Report Received	
<input type="checkbox"/> UIC Distribution	

Operator Name: Ritchie Exploration, Inc. Lease Name: Emmons Well #: 1
 Sec. 23 Twp. 17 S. R. 30 ☐ East ☒ West County: Lane

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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
 Compensated Density/Neutron Log

☐ Log Formation (Top), Depth and Datum ☒ Sample
 Name Top Datum

SEE ATTACHED

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CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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	23	232	common	165	3%cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	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 ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify) _____

Production Interval

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 WICHITA, KS



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#1 Emmons

1570' FSL & 1180' FWL

80' S & 140' W of S/2 N/2 SW Section 23-17S-30W

Lane County, Kansas

API# 15-101-22010-0000

Elevation: 2855' GL, 2866' KB

<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2232'	+634	+9
B/Anhydrite	2258'	+608	+10
Heebner Shale	3925'	-1059	flat
Lansing	3961'	-1095	flat
Muncie Shale	4128'	-1262	+1
Lansing "J" zone	4204'	-1338	flat
Stark Shale	4228'	-1362	-3
Hush Shale	4263'	-1397	-2
BKC	4305'	-1439	-2
Altamont	4351'	-1485	-1
Pawnee	4424'	-1558	-9
Myric	4455'	-1589	-8
Cherokee Shale	4493'	-1627	-6
Johnson	4532'	-1666	-5
Mississippian	4567'	-1701	-6
RTD	4512'	-1746	

P.O. Box 783188
Wichita, Kansas 67278-3188

(316) 691-9500
Fax (316) 691-9550
rei@ritchie-exp.com

8100 E. 22nd St. N., Bldg. 700
Wichita, Kansas 67226-2328

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JUL 11 2007

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC. 25833

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

SERVICE POINT:

DATE 3-30-07 SEC. 23 TWP. 17 RANGE 30W CALLED OUT ON 7:30 AM JOB START 5:30 AM JOB FINISH 6:30 AM
LEASE Commons WELL # #1 LOCATION Neely 35-60 COUNTY LANE STATE KS
OLD OR NEW (Circle one)

CONTRACTOR Munro #21 OWNER same

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4612 CEMENT AMOUNT ORDERED 275 SKS

CASING SIZE DEPTH 60/40 69 seal 114 + 66 seal

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2200'

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

102 HELPER Jarrod

BULK TRUCK 218

3 DRIVER Alvin

BULK TRUCK

DRIVER

REMARKS:

50 SKS @ 2200'

80 SKS @ 1500'

50 SKS @ 760'

50 SKS @ 260'

20 SK @ 60'

10 SK MH

15 SK RH

Job complete @ 6:00 am

Thanks Fuzzy

crew

CHARGE TO: Ritchie Exploration

STREET

CITY STATE ZIP

COMMON 165 @ 12.30 2013.00

POZMIX 110 @ 6.10 671.00

GEL 14 @ 16.50 233.00

CHLORIDE @

ASC @

60 seal 69 @ 2.00 138.00

@

@

@

@

@

@

@

HANDLING 292 @ 1.90 554.80

MILEAGE 104 x 5K + mile 1524.24

TOTAL 5134.14

SERVICE

DEPTH OF JOB 2200'

PUMP TRUCK CHARGE 955.00

EXTRA FOOTAGE @

MILEAGE 58 @ 6.00 348.00

MANIFOLD @

@

@

TOTAL 1303.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

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CONSERVATION DIVISION
WICHITA, KS

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 Arturo Cabezas

PRINTED NAME

ALLIED CEMENTING CO., INC. 25287

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

SERVICE POINT:

Oakley

DATE <u>3-22-07</u>	SEC. <u>23</u>	TWP. <u>17S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>8:45 AM</u>	JOB START <u>9:30 AM</u>	JOB FINISH <u>9:45 AM</u>
LEASE <u>Emmons</u>	WELL # <u>1</u>	LOCATION <u>Healy 265-14E</u>			COUNTY <u>Lane</u>	STATE <u>Kan</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Mus Fin Dels Co #21

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 232'

CASING SIZE 8 5/8 DEPTH 230'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 3/4 BBL

EQUIPMENT

OWNER Same

CEMENT

AMOUNT ORDERED 165-sks com

3%cc - 2%lel

COMMON	<u>165 sks</u>	@	<u>12.20</u>	<u>2,013.00</u>
POZMIX		@		
GEL	<u>8 - sks</u>	@	<u>16.65</u>	<u>49.95</u>
CHLORIDE	<u>6 - sks</u>	@	<u>46.60</u>	<u>279.60</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>174 - sks</u>	@	<u>1.90</u>	<u>330.60</u>
MILEAGE	<u>94 per sk mile</u>			<u>861.30</u>
TOTAL				<u>3,534.45</u>

PUMP TRUCK CEMENTER Walt

102 HELPER Tarrod

BULK TRUCK

377 DRIVER Rex

BULK TRUCK

DRIVER

REMARKS:

Cement Did Cure

Thank You

CHARGE TO: Ritalie Explorations

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>815.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>55 miles</u>	@ <u>6.00</u> <u>330.00</u>
MANIFOLD	@	
	@	
	@	
TOTAL		<u>1,145.00</u>

PLUG & FLOAT EQUIPMENT

	<u>85/8</u>	
<u>1 - Surface Plug</u>	@	<u>60.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>60.00</u>

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TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Fernando Diaz

PRINTED NAME

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CONSERVATION DIVISION
WICHITA, KS