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ORIGINAL

4/2/12

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3188
Contact Person: John Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Max Lovely
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., 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 Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

12/31/11	1/10/12	1/10/12
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20776-00-00
Spot Description: 105' s & 24' w of
E/2_NE_SE Sec. 32 Twp. 28 S. R. 23 East West
1,875 Feet from North / South Line of Section
354 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ford
Lease Name: Arch Well #: 3
Field Name: _____
Producing Formation: Pawnee
Elevation: Ground: 2507 Kelly Bushing: 2518
Total Depth: 5325 Plug Back Total Depth: 5275
Amount of Surface Pipe Set and Cemented at: 350 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1450 Feet
If Alternate II completion, cement circulated from: 1450
feet depth to: surface w/ 260 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 15600 ppm Fluid volume: 1000 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: APR 02 2012 Permit #: _____

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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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: _____
Title: Production Manager Date: 4/3/12

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 4-2-12 to 4-2-14
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: ND Date: 4-11-12

Operator Name: Ritchie Exploration, Inc. Lease Name: Arch Well #: 3
 Sec. 32 Twp. 28 S. R. 23 East West County: Ford

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction Log Compensated Density/Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum <p style="text-align: center;">SEE ATTACHED</p>
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CASING RECORD <input checked="" type="checkbox"/> New <input 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	350	common	240	3% cc, 2% gel
Production	7-7/8	4-1/2	10.5	5314	AA-2	200	10% salt, 5% W-60, 6% C-15

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	5009'-5014', 5017'-5024' (1/23/12)	2000 gals 15% NE	

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>5250'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CONFIDENTIAL
Date of First, Resumed Production, SWD or ENHR. <u>1/27/12</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>4.58</u>	Gas Mcf <u>13.73</u>	Water Bbls. _____ Gas-Oil Ratio <u>KCC</u> Gravity <u>38.5</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#3 Arch

1875' FSL & 354' FEL

105' S & 24' W of E/2 NE SE

Section 32-28S-23W

Ford County, Kansas

API# 15-057-20776-0000

Elevation: 2507' GL: 2518' KB

Sample Tops			Ref. Well
Anhydrite	N/A		
B/Anhydrite	N/A		
Stotler	3664'	-1146	-5
Heebner	4319'	-1801	-8
Lansing	4458'	-1940	-1
Muncie Shale	4655'	-2137	-5
Stark Shale	4788'	-2270	flat
BKC	4912'	-2394	-2
Marmaton	4936'	-2418	-4
Pawnee	5007'	-2489	-5
Cherokee Shale	5058'	-2540	-8
Huck.	5154'	-2636	-12
Atoka Shale	5161'	-2643	-11
Mississippian	5175'	-2657	-11
RTD	5325'	-2807	

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ALLIED CEMENTING CO., LLC. 042353

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

SERVICE POINT:
Great Bend KS

DATE <u>12-31-11</u>	SEC: <u>32</u>	TWP: <u>28S</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 am</u>	JOB FINISH <u>8:30 pm</u>
LEASE <u>Arch</u>	WELL# <u>3</u>	LOCATION <u>Ford 25 1n to saddle Rd 6w</u>		COUNTY <u>Ford</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>		<u>to Rd 120 55 mi W in to</u>					

CONTRACTOR Muehlenberg #21 OWNER Ritchie Exploration, Inc.

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 350
 CASING SIZE 8 7/8 2 3/4 DEPTH 348
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 350
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 156+
 PERFS. _____
 DISPLACEMENT Fresh water

CEMENT AMOUNT ORDERED 240 sac Com. 3% ce 2% gel

EQUIPMENT
 PUMP TRUCK CEMENTER 420 02.
 # 366 HELPER Dug 4m C
 BULK TRUCK
 # 341 DRIVER Kevin W.
 BULK TRUCK
 # _____ DRIVER Vince P

COMMON	<u>240</u>	@	<u>16.25</u>	<u>3900.00</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>21.25</u>	<u>85.00</u>
CHLORIDE	<u>8</u>	@	<u>58.20</u>	<u>465.60</u>
ASC		@		
HANDLING	<u>252</u>	@	<u>2.25</u>	<u>567.00</u>
MILEAGE	<u>252 x 77 x 1.1</u>			<u>1995.82</u>
TOTAL				<u>7013.42</u>

REMARKS:

Open on bottom break circulation with rig mud.
Mix 240 sac common 3% ce 2% gel
Shut down release plug and displace with
21 bbl fresh water and shut in.
Cement did circulate

SERVICE

DEPTH OF JOB	<u>348</u>			
PUMP TRUCK CHARGE				<u>1250.00</u>
EXTRA FOOTAGE		@		
MILEAGE HV 144 RT		@	<u>7.00</u>	<u>1008.00</u>
MANIFOLD		@		
LV 144 RT		@	<u>4.00</u>	<u>576.00</u>

CHARGE TO: Ritchie Exploration, Inc.
 STREET _____
 CITY _____ STATE _____ ZIP _____

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 TOTAL 2834.00
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PLUG & FLOAT EQUIPMENT

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Wooden plug	@	<u>92.00</u>	<u>92.00</u>
2 x Central Press	@	<u>64.00</u>	<u>128.00</u>
	@		
	@		
	@		

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To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES \$10,007
 DISCOUNT 70/20% 3803.40
 TOTAL PAID IN 30 DAYS 6,204.00

PRINTED NAME Juan Tinoco
 SIGNATURE Juan Tinoco

[Handwritten Signature]

Customer Ritchie Exploration Lease No. _____ Date 1-10-12
 Lease Arch Well # 3 Service Receipt _____
 Casing 4 1/2 Depth _____ County Ford State KS
 Job Type LS Formation _____ Legal Description 32-78-23

Pipe Data		Perforating Data		Cement Data
Casing size <u>4 1/2</u>	Tubing Size _____	Shots/Ft		Lead <u>2005L AAT @ 14.8#</u>
Depth <u>5314</u>	Depth _____	From <u>70' Collar @</u>	To <u>148'</u>	<u>5% W-60, 16% Salt</u>
Volume <u>44.2</u>	Volume _____	From _____	To _____	<u>16% C-15, 14% Dolomite</u>
Max Press <u>2500</u>	Max Press _____	From _____	To _____	<u>115' collard 6.14/14.8#</u>
Well Connection <u>PC</u>	Annulus Vol. _____	From _____	To _____	Tail in <u>505L 60/40 P02 @ 13.5#</u>
Plug Depth _____	Packer Depth _____	From _____	To _____	<u>RTM 1.50 1750</u>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
20:00					on Loc. Sport trucks, R.V. Soften, MTG.
20:41					at F.E
23:30					Break Circ.
01:36	250		12	5	Pump Mud Flush
01:42	750		5	5	1 1/2" spacer
01:44					Plug RTM
01:00	250		0	5	Stripping AH-2 @ 14.8#
01:14	0		54	-	Finish Mixing
01:16					Washing PTL
01:20	0		0	5	start Disp.
01:37	500		70	2	slow Rate
01:41	900-1400		44	-	Plug Down
01:42	1400-0				Release Pkg, Float Valve
					Job Complete
					Thank You
					Chad & Crew

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Service Units	<u>194846</u>	<u>3811919443</u>	<u>3619.72547</u>	KCC
Driver Names	<u>Cline</u>	<u>S. Swaboid</u>	<u>J. Martine</u>	

Gary Rowe Customer Representative Serry Bennett Station Manager C. Cline Cementer



Cement Report

Customer	Exploration	Lease No.		Date	1-15-12
Lease		Well #	3	Service Receipt	02272
Casing	10"	Depth	1150'	County	Ford
Job Type	2 1/2" - 2 1/2" 10' AC	Formation		Legal Description	37-05-23

Pipe Data		Perforating Data		Cement Data
Casing size	10"	Tubing Size	2 3/4"	Lead
Depth	1150'	From	To	
Volume	5.6 bbl	From	To	
Max Press	1500 #	From	To	Tail in
Well Connection	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0:00					on 10' - 2 3/4" 10' AC
0:05					500' - 10' AC - 10' AC
0:10					10' AC by Motive / TSA
0:20					2.5 bbl 10' AC + 0.2000 #
0:25					10' AC
0:30	1000		70	3.5	10' AC - 1000# - OK
0:35	1000				10' AC - 1000# 10/10 10' AC / 10' AC
0:40					10' AC - 10' AC - 2 1/2" 10' AC 7.5
0:45					10' AC - 10' AC - 10' AC
0:50			5	3	10' AC - 10' AC / 15' AC
0:55					10' AC - 10' AC - 10' AC
1:00	300		30	3	10' AC - 10' AC - 10' AC
1:05					10' AC - 10' AC

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Service Units	19002	19002	19002	19002	KCC
Driver Names	J. Nove	J. Nove	J. Nove	J. Nove	

J. Nove Customer Representative
 J. Bennett Station Manager
 J. Nove Cementer