

CONFIDENTIAL

ORIGINAL

4/2/14

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 Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Dave Williams
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Cora, 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 #: _____

1/4/12	1/15/12	1/15/12
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20775-00-00
Spot Description: 80' N & 65' E
N/2_NW_SW Sec. 13 Twp. 27 S. R. 24 East West
2,390 Feet from North / South Line of Section
725 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ford
Lease Name: Potosi Well #: 1
Field Name: _____
Producing Formation: Pawnee
Elevation: Ground: 2450 Kelly Bushing: 2462
Total Depth: 5110 Plug Back Total Depth: 5082
Amount of Surface Pipe Set and Cemented at: 353 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1424 Feet
If Alternate II completion, cement circulated from: 1424
feet depth to: surface w/ 315 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 7500 ppm Fluid volume: 1050 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter 1 Sec. _____ Twp. _____ S. R. _____ East West
County: _____ 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: 4/2/12

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: NJ Date: 4-11-12

Operator Name: Ritchie Exploration, Inc. Lease Name: Potosi Well #: 1

Sec. 13 Twp. 27 S. R. 24 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
Conductor	32	20	64	60	Eight-Sack Grout	7 yards	
Surface	12-1/4	8-5/8	23	353	Common	240	3% cc, 2% gel
Production	7-7/8	5-1/2	15.5	5109	AA2	175	10% salt, 5% W-60, .5% 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 (Amount and Kind of Material Used)	Depth
4	4794.5' - 4803.5' (1/31/12)	1500 gals 15% NE	

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>5038'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>2/8/12</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>143.73</u>	Gas Mcf _____ Water Bbls. <u>10.29</u> Gas-Oil Ratio _____ Gravity <u>38.8</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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <p style="text-align: center; font-weight: bold; font-size: 1.2em;">CONFIDENTIAL</p>
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RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#1 Potosi

2390' FSL & 725' FWL

80' N & 65' E of N/2 NW SW

Section 13-27S-24W

Ford County, Kansas

API# 15-057-20775-0000

Elevation: 2450' GL: 2462' KB

Sample Tops			Ref. Well
Anhydrite	N/A		
B/Anhydrite	N/A		
Stotler	3481'	-1019	+18
Heebner	4144'	-1682	+16
Lansing	4261'	-1799	+15
Muncie Shale	4456'	-1994	+4
Stark Shale	4587'	-2125	-3
BKC	4660'	-2198	-1
Marmaton	4711'	-2249	+10
Pawnee	4793'	-2331	-2
Cherokee Shale	4844'	-2382	-2
Huck.	4925'	-2463	-1
Atoka Shale	4945'	-2483	-5
Morrow Sand	4954'	-2492	-6
Mississippian	4974'	-2512	flat
RTD	5110'	-2648	

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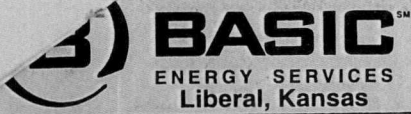
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P.O. Box 783188
Wichita, Kansas 67278-3188

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

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



Cement Report

Customer <i>Ritchie Exploration</i>	Lease No.	Date <i>1/5/12</i>
Lease <i>Potosi</i>	Well # <i>1</i>	Service Receipt <i>2299</i>
Casing <i>5 1/2 15.5</i>	Depth <i>5107</i>	County <i>Ford</i> State <i>KS</i>
Job Type <i>242151</i>	Formation	Legal Description <i>13-27-34</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>5 1/2 15.5A</i>	Tubing Size	Shots/Ft		Lead <i>50x60 1/4</i>
Depth <i>5114</i>	Depth <i>55 21'</i>	From	To	<i>148 1/4 107</i>
Volume <i>122 1/4</i>	Volume	From	To	<i>137 1/4 15 1/4</i>
Max Press <i>2000</i>	Max Press	From	To	Tail in <i>14 1/2</i>
Well Connection <i>5/2</i>	Annulus Vol.	From	To	<i>15 1/2 54</i>
Plug Depth <i>5093'</i>	Packer Depth	From	To	<i>60 1/4 14 1/4</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1100</i>					<i>Arrive On location</i>
<i>1130</i>					<i>Setup Mch. Rig Up</i>
<i>1230</i>					<i>Rig Running Casing</i>
<i>1610</i>					<i>Concrete Pumping</i>
<i>1710</i>					<i>Shut up To 17:5</i>
<i>1715</i>	<i>2000</i>		<i>.1</i>	<i>.1</i>	<i>Pressure Test</i>
<i>1720</i>	<i>275</i>		<i>5</i>	<i>5.0</i>	<i>Pump Water Spacer</i>
<i>1722</i>	<i>250</i>		<i>12</i>	<i>5.0</i>	<i>Pump Mud Flush</i>
<i>1727</i>	<i>225</i>		<i>5</i>	<i>5.0</i>	<i>Pump Water Spacer</i>
<i>1730</i>	<i>200</i>		<i>117</i>	<i>5.0</i>	<i>Pump cont @ 14.8 H's</i>
<i>1745</i>			<i>#2</i>		<i>Pump Plug (Mud) Up</i>
<i>1750</i>	<i>300</i>		<i>110</i>	<i>6.5</i>	<i>Displace</i>
<i>1805</i>	<i>800</i>		<i>12</i>	<i>2.0</i>	<i>Shut Down Displace</i>
<i>1810</i>	<i>1300</i>		<i>.1</i>	<i>.5</i>	<i>Land Plug Float (Mud)</i>
					<i>Job Complete</i>
					<i>Port & Collar @ 14150' 5 1/2 #38</i>
					<i>Plug Set & Mch. Mfg</i>
					<i>Thanks For Using Basic Energy Services</i>

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Service Units	<i>19978</i>	<i>27462</i>	<i>19977-19986</i>	CONFIDENTIAL
Driver Names	<i>I. Chert</i>	<i>Aden</i>	<i>Victor</i>	APR 11 2012

Gary Ruch Customer Representative *Tom Beal* Station Manager *Tom Beal* Cementer

Taylor Printing, Inc.



Cement Report

Customer	<i>Ritchie Exploration</i>	Lease No.		Date	<i>11-12</i>
Lease	<i>Padosi</i>	Well #	<i>1</i>	Service Receipt	<i>7300</i>
Casing	<i>5 1/2 155</i>	Depth	<i>1174</i>	County	<i>Field</i>
Job Type	<i>Perforator 242</i>	Formation		Legal-Description	<i>13-27-24</i>

Pipe Data		Perforating Data		Cement Data
Casing size	<i>5 1/2 155#</i>	Tubing Size	<i>2 3/8</i>	Lead
Depth	<i>1174</i>	Depth	<i>1174</i>	From
Volume	<i>11615</i>	Volume	<i>8213</i>	To
Max Press	<i>2000</i>	Max Press	<i>2000</i>	To
Well Connection	<i>2</i>	Annulus Vol.	<i>2165</i>	From
Plug Depth		Packer Depth		To
				Tail in <i>11755# 16.40</i>
				<i>11771.5# 10.2</i>
				<i>76361.5# 13.5#</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1100</i>					<i>Arrive On location</i>
<i>1120</i>					<i>Safety Machine Pick Up</i>
<i>1315</i>		<i>7000</i>	<i>10</i>	<i>1.0</i>	<i>Pressure Test</i>
<i>1330</i>					<i>Open Port C/W</i>
<i>1345</i>		<i>600</i>	<i>86</i>	<i>4.5</i>	<i>Pump and 6 13.5 # 5' w/ 1115</i>
<i>1405</i>		<i>300</i>	<i>75</i>	<i>3.0</i>	<i>Asphite</i>
<i>1415</i>					<i>Run in 5' Joint 5</i>
<i>1430</i>		<i>400</i>	<i>45</i>	<i>3.3</i>	<i>Reverse Out</i>
<i>1500</i>					<i>Job Complete</i>

Cement Was Circulated To Surface

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Thanks for Using These Guys

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Service Units	<i>19820</i>	<i>27462</i>	<i>14334-19578</i>	<i>14355-14784</i>	
Driver Names	<i>Chavez</i>	<i>Adam</i>	<i>Solien</i>	<i>Eddie</i>	

ALLIED CEMENTING CO.. LLC. 042356

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

SERVICE POINT:
Coast Bend 100

DATE <u>15-12</u>	SEC <u>13</u>	TWP <u>27S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30am</u>	JOB FINISH <u>8:20am</u>
LEASE <u>Patrol</u>	WELL# <u>1</u>	LOCATION <u>Wrights 55 of 200 Jo Junction Ford</u>			COUNTY <u>Ford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>SE water</u>				

CONTRACTOR Onke Pkg #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 354
 CASING SIZE 8 3/8 23# DEPTH 354
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 39.74 Ct
 PERFS.
 DISPLACEMENT Fresh water

OWNER Ritchie Exploration
 CEMENT
 AMOUNT ORDERED 240 cu. com 3% ee 2% gel

EQUIPMENT
 PUMP TRUCK CEMENTER Bob R.
 # 340 HELPER phone it
 BULK TRUCK
 # 341 DRIVER Jan P.
 BULK TRUCK
 # DRIVER

COMMON <u>240</u>	@ <u>4.25</u>	<u>3900.00</u>
POZMIX	@	
GEL <u>4</u>	@ <u>21.25</u>	<u>85.00</u>
CHLORIDE <u>8</u>	@ <u>59.20</u>	<u>465.60</u>
ASC	@	
HANDLING <u>257</u>	@ <u>2.25</u>	<u>567.75</u>
MILEAGE <u>252.52 x .11</u>		<u>27.78</u>
		<u>TOTAL \$6459.04</u>

REMARKS:

Open on bottom boost circulation with 100 mud. Mix 240 cu. com 3% ee 2% gel. Replace with 20 bbl fresh water and plug it shut. Cement did circulate.

CHARGE TO: Ritchie Exploration
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB <u>354</u>		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>HVM 104 RT</u>	@ <u>7.00</u>	<u>728.00</u>
MANIFOLD	@	
<u>LVM 104 RT</u>	@ <u>4.00</u>	<u>416.00</u>

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TOTAL \$2269.00 APR 04 2012

PLUG & FLOAT EQUIPMENT

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<u>Baffle plate</u>	@ <u>112.00</u>	
<u>Basket</u>	@ <u>478.00</u>	
<u>Wooden plug</u>	@ <u>97.00</u>	

TOTAL \$682.00

To: Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cement 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.

PRINTED NAME: Mike Godfrey

SIGNATURE: Mike Godfrey

SALES TAX (If Any) 10% 2012 9410.04
 TOTAL CHARGES 3174.72
 DISCOUNT 6235.92

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IF PAID IN 30 DAYS

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