

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

3/09/12

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 + 3118
Contact Person: John Niernberger
Phone: (316) 691-9500

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CONTRACTOR: License # 30606
Name: Murfin Drilling, Co., Inc.
Wellsite Geologist: Terry McLeod

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Purchaser: NCRA
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
(Core, WSW, Expl., Cathodic, etc.)

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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
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
11/19/09 11/30/09 11/30/09
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 063-21806-0000
Spot Description: 60' S & 30' W
C NE NE NE Sec. 30 Twp. 13 S. R. 31 East West
390 Feet from North / South Line of Section
360 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Gove
Lease Name: Joseph Well #: 1
Field Name: _____

Producing Formation: LKC, Fort Scott & Johnson
Elevation: Ground: 2880 Kelly Bushing: 2885
Total Depth: 4580 Plug Back Total Depth: 4556
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2354 Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2354 w/ 360 sx cmt.

Drilling Fluid Management Plan AAH IIN 5 3-22-10
(Data must be collected from the Reserve Pit)

Chloride content: 10000 ppm Fluid volume: 550 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: _____
Title: Production Manager Date: 3/9/10
Subscribed and sworn to before me this 9th day of March,
20 10
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
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Ritchie Exploration, Inc.

Lease Name: Joseph

Well #: 1

Sec. 30 Twp. 13 S. R. 31 East West

County: Gove

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)

Log Formation (Top), Depth and Datum Sample

Name Top Datum

SEE ATTACHED

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List All E. Logs Run:

Dual Induction Log
 Compensated Density/Neutron Log

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	220	common	165	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5	4578	ASC	200	10% salt, 2% gel & 3/4 CD-31

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	4475.5' - 4479' (1/6/10)	500 gals 15% NE	
4	4416' - 4420', 4403' - 4406' (1/6/10)	750 gals 15% NE	
4	4079' - 4083.5' (1/6/10)	500 gals 15% NE	

TUBING RECORD:	Size: <u>2-7/8</u>	Set At: <u>4541'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>1/22/10</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>91.85</u>	Gas Mcf	Water Bbls. <u>25.91</u>	Gas-Oil Ratio <u>35.2</u>

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

390' FNL & 360' FEL
60'S & 30'W of C NE NE NE Section 30-13S-31W
Gove County, Kansas
API# 15-063-21806-0000
Elevation: 2880' GL, 2885' KB

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Sample Tops			Ref. Well
Anhydrite	2357'	+528	-5
B/Anhydrite	2379'	+506	-2
Heebner	3869'	-984	+1
Lansing	3914'	-1029	flat
Lansing "C"	3946'	-1061	+4
Lansing "D"	3964'	-1079	+2
Lansing "H"	4076'	-1191	+4
Lansing "I"	4108'	-1222	+3
Lansing "J"	4126'	-1241	+4
Lansing "L"	4197'	-1312	-1
Pawnee	4347'	-1462	+1
Myric	4384'	-1499	+1
Fort Scott	4400'	-1515	+4
Cherokee Shale	4431'	-1546	+3
Johnson	4476'	-1591	flat
Morrow Sand	4404'	-1619	-4
Mississippian	4514'	-1629	+4
RTD	4580'	-1695	

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ALLIED CEMENTING CO., LLC. 044428

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

SERVICE POINT:
OKLAHOMA

DATE <u>12-2-09</u>	SEC. <u>30</u>	TWP. <u>13S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>12:00pm</u>	JOB START <u>3:30pm</u>	JOB FINISH <u>4:00pm</u>
LEASE <u>Soson</u>	WELL# <u>1-30</u>	LOCATION <u>Okley S-Gove Rd</u>			COUNTY <u>Gove</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)		<u>36.45 - win</u>					

CONTRACTOR Express Well Service OWNER _____
TYPE OF JOB Port Collar

HOLE SIZE	T.D.
CASING SIZE <u>5"2</u>	DEPTH
TUBING SIZE <u>2 7/8</u>	DEPTH <u>2354'</u>
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	<u>13.6</u>

CEMENT					
AMOUNT ORDERED	<u>450</u>	<u>60</u>	<u>140</u>	<u>69</u>	<u>seal</u>
<u>1/4" Clo-seal (500# hulls on side)</u>					
<u>used 360 + 300# hulls</u>					
COMMON	<u>216</u>	@	<u>15.45</u>	<u>3337.20</u>	
POZMIX	<u>144</u>	@	<u>8.00</u>	<u>1152.00</u>	
GEL	<u>19</u>	@	<u>20.85</u>	<u>395.35</u>	
CHLORIDE		@			
ASC		@			
<u>Clo-seal</u>	<u>90#</u>	@	<u>2.50</u>	<u>225.00</u>	
<u>Hulls</u>	<u>300#</u>	@	<u>31.25</u>	<u>9375.00</u>	
		@			
		@			
		@			
HANDLING	<u>479</u>	@	<u>2.40</u>	<u>1149.60</u>	
MILEAGE	<u>10.45</u>	@	<u>9.10</u>	<u>958.05</u>	
TOTAL				<u>7312.35</u>	

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EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Fuzzu</u>
# <u>423</u>	HELPER	<u>Andrew</u>
BULK TRUCK		
# <u>396</u>	DRIVER	<u>Lubene</u>
BULK TRUCK		
#	DRIVER	

REMARKS:

Test closed tool @ 1200' open tool
est circulation. mix 30stk went
+ 330stk w/ 300# hulls. Displace
13.886. Close tool + express to
1200'. run 3 Jts reverse to
clean. Job complete @ 4:00pm
hit press 1000'. cement did
circulate

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>1185.00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>70</u> @ <u>7.00</u> <u>N/C</u>
MANIFOLD	@
	@
	@

TOTAL 1185.00

CHARGE TO: Ritchie Exploration
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

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.

PRINTED NAME Carlos Javier Jimenez
SIGNATURE Carlos Javier Jimenez

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS _____

[Handwritten mark]

ALLIED CEMENTING CO., LLC. 044424

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

SERVICE POINT:

Oshtemo KS

DATE <u>11-30-09</u>	SEC <u>30</u>	TWP. <u>13s</u>	RANGE <u>31w</u>	CALLED OUT	ON LOCATION <u>5:30am</u>	JOB START <u>2:30pm</u>	JOB FINISH <u>3:00pm</u>	
LEASE <u>Joseph</u>	WELL# <u>1-30</u>	LOCATION <u>Oshtemo S-Gouverd</u>			COUNTY <u>GOV</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>36" 4 1/2" S Win</u>				

CONTRACTOR Munger #8 OWNER SAME

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4580

CASING SIZE 5 1/2 15.5 DEPTH 4578

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL P. Collar *54 DEPTH 2353'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 21

CEMENT LEFT IN CSG. 21'

PERFS.

DISPLACEMENT 108.4

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

431 HELPER Kelly

BULK TRUCK

377 DRIVER LaRoux

BULK TRUCK

DRIVER

REMARKS:

Pump 500 gal WFR II, mix 15 SK in mix
mix 30 SK in RH, mix 200 SK
down casing, Wash out pump
lines, Drop plug & displace
to insert 700' bit 1400'
Land float hold plus down
@ 2:40 pm
Thanks Fuzzy & crew

CEMENT
AMOUNT ORDERED 245 SK ASC 109.5514
29 gal 5" S. 1/8" 3140 S 190 CD. 31
500 gal WFR II

COMMON	@		
POZMIX	@		
GEL	@		<u>W/C</u>
CHLORIDE	@		
ASC	@	<u>1850</u>	<u>4557.00</u>
	@		<u>25</u>
<u>Gilsonite 1225*</u>	@	<u>189</u>	<u>1090</u>
<u>Salt 23 SKS</u>	@	<u>23.95</u>	<u>550.85</u>
<u>CD. 31 173*</u>	@	<u>9.35</u>	<u>1617.55</u>
<u>WFR II 500 gal</u>	@	<u>12.7</u>	<u>635.00</u>
HANDLING <u>315</u>	@	<u>2.45</u>	<u>756.00</u>
MILEAGE <u>104 SK mile</u>			<u>630.00</u>
			<u>9836.95</u>

TOTAL 9836.95

SERVICE

DEPTH OF JOB	<u>4578'</u>	
PUMP TRUCK CHARGE	<u>2185.00</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>20</u>	@	<u>7.00</u> <u>NK</u>
MANIFOLD	@	
	@	
	@	

TOTAL 2185.00

CHARGE TO: Pinche Gyrostation

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

5 1/2" S

<u>1- Port Collar</u>	<u>I</u>	<u>1750.00</u>
<u>1- AFU JASON</u>	@ <u>I</u>	<u>112.00</u>
<u>1- G. Shoe</u>	@ <u>I</u>	<u>101.00</u>
<u>8- Turbulizers</u>	@ <u>I</u>	<u>336.00</u>
<u>3- Baskets</u>	@ <u>I</u>	<u>483.00</u>
<u>1- Basket</u>	@ <u>(W)</u>	<u>186.00</u>
<u>1- rubber plug</u>		<u>43.00</u>
		<u>TOTAL 3011.00</u>

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Carlos Javier Jimenez

SIGNATURE Carlos Javier Jimenez

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