

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

12/30/11

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 Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling, Co., Inc.
Wellsite Geologist: Mike Engelbrecht
Purchaser: NCRA
Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover
 Oil _____ SWD _____ SLOW
_____ Gas _____ ENHR _____ SIGW
_____ CM (Coal Bed Methane) _____ Temp. Abd.
_____ 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. _____ Conv. to SWD
_____ Plug Back: _____ Plug Back Total Depth
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
9/11/09 9/21/09 9/21/09
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 063-21800-00-00
Spot Description: 60' N & 30' W
SE SE SE Sec. 19 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: Phillips 19D Well #: 1
Field Name: _____
Producing Formation: LKC/Myric/Fort Scott
Elevation: Ground: 2879 Kelly Bushing: 2889
Total Depth: 4580 Plug Back Total Depth: 4548
Amount of Surface Pipe Set and Cemented at: 213 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2352 Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2352 w/ 350 sx cmt.

Drilling Fluid Management Plan APP II NS 1-2-10
(Data must be collected from the Reserve Pit)
Chloride content: 15000 ppm Fluid volume: 500 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: 12/30/09
Subscribed and sworn to before me this 30th day of December
09
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
Y Letter of Confidentiality Received
If Denied, Yes Date: _____
Wireline Log Received
Geologist Report Received
UIC Distribution
RECEIVED
DEC 31 2009

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Operator Name: Ritchie Exploration, Inc. Lease Name: Phillips 19D Well #: 1
 Sec. 19 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 <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 <i>(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 SEE ATTACHED DEC 31 2009 KCC
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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	213	common	170	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5	4575	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	4408.5' - 4411.5' (10/6/09) Fort Scott	500 gals 15% NE	
4	4389.5' - 4392' (10/6/09) Myric		
4	4084.5' - 4088' (10/6/09) LKC-H		

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TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4522'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>10/19/09</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>130.00</u>	Gas Mcf	Water Bbls. <u>3.25</u> Gas-Oil Ratio _____ Gravity <u>38.2</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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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#1 Phillips 19D

390' FSL & 360' FEL

60' N & 30W of SE SE SE Section 19-13S-31W

Gove County, Kansas

API# 15-063-21800-0000

Elevation: GL: 2879', KB: 2889'

<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2357'	+532	+8
B/Anhydrite	2381'	+508	+6
Heebner	3875'	-986	flat
Lansing	3918'	-1029	flat
Lansing "C"	3949'	-1060	+2
Lansing "D"	3969'	-1080	flat
Lansing "E"	3991'	-1102	+2
Muncie Shale	4069'	-1180	-2
Lansing "H"	4086'	-1197	-3
Lansing "I"	4116'	-1227	-3
Lansing "J"	4136'	-1247	flat
BKC	4228'	-1339	+1
Marmaton	4251'	-1362	+5
Altamont	4272'	-1383	+4
Pawnee	4355'	-1466	+5
Myric	4390'	-1505	+5
Fort Scott	4408'	-1519	+5
Cherokee Shale	4438'	-1549	+5
Johnson	4482'	-1593	+4
Morrow Sand	4510'	-1621	N/A
Mississippian	4522'	-1633	+28
RTD	4580'	-1691	

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ALLIED CEMENTING CO., LLC. 044298

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

SERVICE POINT:
Osage, KS

DATE <u>9/11/09</u>	SEC <u>19</u>	TWP <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>9:30pm</u>	JOB START <u>11:00pm</u>	JOB FINISH <u>2:00 AM</u>
LEASE <u>PA/119 190</u>	WELL # <u>#1</u>	LOCATION <u>Osage, 115 EE 45 W 190 into</u>	COUNTY <u>Osage</u>	STATE <u>KS</u>			

CONTRACTOR Martin 14
 TYPE OF JOB Production
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH 4575
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL Post collar DEPTH 2352
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 21
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Same

CEMENT
 AMOUNT ORDERED 250 SK, ASC 2070002P
1070 SK 5" Gilsonite 3/4" 1190 6031
500 Gallon WFR II

COMMON _____	@ _____	_____
POZMIX _____	@ _____	_____
GEL <u>5</u>	@ <u>20.00</u>	<u>100.00</u>
CHLORIDE _____	@ _____	_____
ASC <u>250 SK</u>	@ <u>18.00</u>	<u>4500.00</u>
_____	@ _____	_____
<u>SILT 23 SK</u>	@ <u>23.95</u>	<u>550.85</u>
_____	@ _____	_____
<u>GILSONITE 1250 #</u>	@ <u>0.89</u>	<u>1112.50</u>
_____	@ _____	_____
<u>CD-31 176 #</u>	@ <u>9.35</u>	<u>1645.60</u>
_____	@ _____	_____
<u>WFR II 500 GAL.</u>	@ <u>1.22</u>	<u>610.00</u>
HANDLING <u>320 SK</u>	@ <u>2.40</u>	<u>768.00</u>
MILEAGE <u>160 SK / mile</u>		<u>640.00</u>
		<u>95</u>
	TOTAL	<u>10201</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan
 # 422 HELPER Wayne
 BULK TRUCK
 # 377 DRIVER Lahene
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

mix 500 gal WFR II mix 205K, Manual Help
309K, Post Hole, mix 200SK, ASC DOWN 5 1/2
Work Tank - Line, Displace Plug @ 1850
POST LIFT Land Plug @ 1800 FT.
Float Head.
Tank for
Alan, Wayne, Lahene

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 2185.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 20 @ 7.00 140.00
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL 2325.00

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

PLUG & FLOAT EQUIPMENT

<u>Post collar</u>	<u>-1</u>		<u>1750.00</u>
<u>Guide shoe</u>	<u>-1</u>	@	<u>106.00</u>
<u>APN Inset</u>	<u>-1</u>	@	<u>112.00</u>
<u>Basin</u>	<u>-1</u>	@	<u>186.00</u>
<u>Basin</u>	<u>-3</u>	@ <u>161.00</u>	<u>483.00</u>
<u>8 Turboliners</u>	<u>-8</u>	@ <u>42.00</u>	<u>336.00</u>
<u>Rubber Plug</u>			<u>74.00</u>
	TOTAL		<u>3042.00</u>

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 Thomas Atkins
 SIGNATURE Thomas Atkins

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

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ALLIED CEMENTING CO., LLC. 044301

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

SERVICE POINT: Orkley

DATE <u>12/1/09</u>	SEC. <u>19</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>1:30 PM</u>	JOB START <u>1:30</u>	JOB FINISH <u>2:30 PM</u>
LEASE <u>Phillips 19D</u>	WELL # <u>#1</u>	LOCATION <u>Orkley 11.53E 45</u>			COUNTY <u>Goose</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>		WARRANTY					

CONTRACTOR Express Well Service
 TYPE OF JOB Production Port collar
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH 4875
 TUBING SIZE 2 7/8 DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL Port collar DEPTH 2352
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG-160
 PERFS. _____
 DISPLACEMENT 12.74 bbl H₂O
 EQUIPMENT _____

OWNER SOME
 CEMENT AMOUNT ORDERED 450 S/L 60/40
60/20 114 16 Fl Seal

COMMON	<u>210 S/L</u>	@ <u>15.45</u>	<u>3244.50</u>
POZMIX	<u>140 S/L</u>	@ <u>8.00</u>	<u>1120.00</u>
GEL	<u>18 S/L</u>	@ <u>20.00</u>	<u>360.00</u>
CHLORIDE		@	
ASC		@	
<u>Fl Seal - 8816</u>		@ <u>2.50</u>	<u>220.00</u>
		@	
		@	
<u>200 lb Halls - 4 S/L</u>		@ <u>31.25</u>	<u>125.00</u>
		@	
		@	
		@	
HANDLING <u>542 S/L</u>		@ <u>2.40</u>	<u>1300.80</u>
MILEAGE <u>10.2 S/L/mile</u>			<u>1084.00</u>
TOTAL			<u>2471.30</u>

PUMP TRUCK CEMENTER Alan - 397
 # 422 HELPER Andrew
 BULK TRUCK _____
 # _____ DRIVER _____
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

Pressure Tool to 1200 PSI Held open tool
tailgate 3000 PSI, 11.53E 45
20/40 114 16 Fl Seal, w/ 200 lb Halls.
Displace 12.74 bbl, Clear Tool 1200 PSI. Held
Run 6.5T, Reverse Clean.
Cement did Circulate. Thank You
Alan, Andrew

SERVICE

DEPTH OF JOB	<u>2352</u>	
PUMP TRUCK CHARGE		<u>900.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>20</u>	@ <u>7.00</u>	<u>140.00</u>
MANIFOLD	@	
	@	
TOTAL		<u>1040.00</u>

CHARGE TO: R: talco Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

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PRINTED NAME Thomas Atkins
 SIGNATURE Thomas Atkins

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

RECEIVED
 DEC 31 2009
 KCC WICHITA

TR