

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

1/26/14
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: Ted Jochems
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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
10/18/11	10/29/11	10/29/11

API No. 15 - 063-21947-00-00
Spot Description: 45' S & 155' E
NE NW SW Sec. 15 Twp. 13 S. R. 31 East West
2,265 Feet from North / South Line of Section
1,145 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Weber 15C Well #: 2
Field Name: _____
Producing Formation: Johnson
Elevation: Ground: 2934 Kelly Bushing: 2944
Total Depth: 4780 Plug Back Total Depth: 4736
Amount of Surface Pipe Set and Cemented at: 211 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2405 Feet
If Alternate II completion, cement circulated from: 2405
feet depth to: surface w/ 375 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 12000 ppm Fluid volume: 800 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: _____ 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. Rules 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: 1/30/12

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 1/26/12 - 1/26/14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 2-7-12

Operator Name: Ritchie Exploration, Inc. Lease Name: Weber 15C Well #: 2
 Sec. 15 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 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	211	common	175	3%cc, 2% gel
Production	7-7/8	4-1/2	10.5	4781	ASC	235	10% surf, 2% gel, 5#/sq gilsonite

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	4571.5' - 4576' (12/13/11)	500 gallons 15% NE	
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TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>4726'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>12/30/11</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>52.75</u>	Gas Mcf _____ Water Bbls. <u>0</u> Gas-Oil Ratio _____ Gravity <u>29.4</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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#2 Weber 15C
 2265' FSL & 1145' FWL
 45' S & 155' E of NE NW SW
 Section 15-13S-31W
 Gove County, Kansas
 API# 15-063-21947-0000
 Elevation: GL: 2934', KB: 2944'

Sample Tops			Ref. Well
Anhydrite	2434'	+510	-5
B/Anhydrite	2457'	+487	-5
Heebner	3958'	-1014	+1
Toronto	3982'	-1038	+1
Lansing	4002'	-1058	-1
LKC-C	4034'	-1090	Flat
Muncie Shale	4152'	-1208	-1
LKC-H	4169'	-1225	+1
Stark Shale	4241'	-1297	-1
BKC	4317'	-1373	-5
Marmaton	4344'	-1400	-6
Altamont	4377'	-1433	-6
Pawnee	4443'	-1499	-7
Myrick	4481'	-1537	-12
Fort Scott	4500'	-1556	-11
Cherokee Shale	4528'	-1584	-12
Johnson	4569'	-1625	-10
Morrow Sand	4612'	-1668	NA
Mississippian	4653'	-1709	-42
RTD	4780'	-1836	

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ALLIED CEMENTING CO., LLC. 036031

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

SERVICE POINT:
St. Mary's

DATE <i>11/21/14</i>	SEC. <i>15</i>	TWP. <i>13</i>	RANGE <i>31</i>	CALLED OUT	ON LOCATION <i>12:00 noon</i>	JOB START <i>3:00 PM</i>	JOB FINISH <i>4:00 PM</i>
LEASE <i>Weber 15C</i>	WELL # <i>2</i>	LOCATION <i>Q. Kelly 11.9 SE 2 1/2 E 120</i>			COUNTY <i>Love</i>	STATE <i>KS</i>	

OLD OR NEW (Circle one) _____ CONTRACTOR *Alliance Well Service* OWNER *Same*

TYPE OF JOB <i>Port collar</i>	HOLE SIZE _____ T.D. _____	CEMENT _____
CASING SIZE <i>4 1/2</i> <i>10 1/2</i> DEPTH <i>4782</i>	AMOUNT ORDERED <i>450 60/40 6 7/8</i>	
TUBING SIZE _____ DEPTH _____	<i>114 F10</i>	
DRILL PIPE _____ DEPTH _____	<i>500 HULLS on side used</i>	<i>355 5/8</i>
TOOL <i>Port collar</i> DEPTH _____	COMMON <i>225</i> @ <i>16 25</i> <i>3656 25</i>	
PRES. MAX _____ MINIMUM _____	POZMIX <i>150</i> @ <i>2 25</i> <i>1275 00</i>	
MEAS. LINE _____ SHOE JOINT _____	GEL <i>19</i> @ <i>21 25</i> <i>403 25</i>	
CEMENT LEFT IN CSG. _____	CHLORIDE _____ @ _____	
PERFS. _____	ASC _____ @ _____	
DISPLACEMENT _____	<i>Flo seal 9416</i> @ <i>2 25</i> <i>253 00</i>	
	<i>Hulls 6 5/8</i> @ <i>31 85</i> <i>191 10</i>	
	HANDLING <i>478</i> @ <i>2 25</i> <i>1075 00</i>	
	MILEAGE <i>114 5/4 ml</i> @ _____ <i>1057 00</i>	
	TOTAL <i>2902 00</i>	

EQUIPMENT	
PUMP TRUCK # <i>422</i> CEMENTER <i>Her</i>	HELPER <i>W. King</i>
BULK TRUCK # <i>396</i> DRIVER <i>Chris</i>	DRIVER _____

REMARKS: *Pressure 700 to 1800 - Helly Control ^{Pump 70} Est. Circulator, Max 325 SKL w/ 1300 HULLS, Circulator to surface Discharge Cement w/ 8 1/4 ADL Head, Total 700 to 1200 HULLS*

DEPTH OF JOB <i>2407'</i>	
PUMP TRUCK CHARGE <i>2125 00</i>	
EXTRA FOOTAGE @ _____	
MILEAGE <i>20 x 2</i> @ <i>2 00</i> <i>280 00</i>	
MANIFOLD <i>Littlefield 20 x 2</i> @ <i>4 00</i> <i>160 00</i>	
TOTAL <i>2565 00</i>	

CHARGE TO: *Ritchie Exp*

STREET _____

CITY _____ STATE _____ ZIP _____

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 _____

SIGNATURE _____

PLUG & FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL _____		

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS _____

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WEBAK 1502

ALLIED CEMENTING CO., LLC. 036030

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

SERVICE POINT:
Dakley, Ks

DATE <u>10/09/14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>6:00 AM</u>	JOB FINISH <u>2:00 PM</u>
WEBAK LEASE	WELL# <u>2</u>	LOCATION <u>Dakley NE 5 E 3 1/2 S</u>	COUNTY <u>WABE</u>	STATE <u>KANSAS</u>	OLD OR NEW (Circle one)		

CONTRACTOR <u>Murfin 14</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE _____ T.D. _____	CEMENT AMOUNT ORDERED <u>285 ASC 1070 salt</u>
CASING SIZE <u>4 1/2</u> <u>10 1/2</u> DEPTH <u>4782'</u>	<u>270 gal 5# Gilsonite</u>
TUBING SIZE _____ DEPTH _____	<u>3/4 - 1970 CD31</u>
DRILL PIPE _____ DEPTH _____	
TOOL _____ DEPTH _____	
PRES. MAX _____ MINIMUM _____	COMMON _____ @ _____
MEAS. LINE _____ SHOE JOINT <u>21.</u>	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____	GEL <u>5</u> @ <u>21.25</u> <u>106.25</u>
PERFS. _____	CHLORIDE _____ @ _____
DISPLACEMENT <u>26 BBL H₂O</u>	ASC <u>285</u> @ <u>19.00</u> <u>5415.00</u>
EQUIPMENT _____	CD31 <u>200 lb</u> @ <u>9.25</u> <u>1820.00</u>
PUMP TRUCK CEMENTER <u>Alan</u>	Gilsonite <u>1425 lb</u> @ <u>.89</u> <u>1268.25</u>
# <u>422</u> HELPER <u>Wayne</u>	SALT <u>27</u> @ <u>23.95</u> <u>646.65</u>
BULK TRUCK # <u>396</u> DRIVER <u>Tyler</u>	WRK 2 500 gal @ <u>1.25</u> <u>635.00</u>
BULK TRUCK # _____ DRIVER _____	HANDLING <u>365 lb</u> @ <u>2.25</u> <u>822.38</u>
	MILEAGE <u>16 sk/mile</u> @ _____ <u>804.00</u>
	TOTAL <u>10563.68</u>

REMARKS:
Run C.C. on bottom Max. WFRIL
1085 salt 270 gal 5# Gilsonite down 4 1/2
Wash Truck C.C. 100 gal Plug @
1820.00, Flat Head.

CHARGE TO: R. Tchic Exp.
STREET _____
CITY _____ STATE _____ ZIP _____

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>2405.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>80 X 2</u> @ <u>7.00</u>	<u>280.00</u>
MANIFOLD _____ @ _____	<u>200.00</u>
<u>80 X 2 liter vehicle</u> @ <u>4.00</u>	<u>160.00</u>
TOTAL	<u>3095.00</u>

PLUG & FLOAT EQUIPMENT	
Baskets - 3 @ 270.00	<u>810.00</u>
APL Transport - 1 @ 249.00	<u>249.00</u>
Part Collar - 1 @ 248.00	<u>248.00</u>
Turbocizers - 8 @ 77.00	<u>616.00</u>
Guide Shoe - 1 @ 192.00	<u>192.00</u>
Rubber Plug - 1 @ 71.00	<u>71.00</u>
TOTAL	<u>4423.00</u>

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PRINTED NAME _____
SIGNATURE [Signature]

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

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