

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
October 2008  
Form Must Be Typed

3/2/12

**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: Peter Fiorini  
Phone: ( 316 ) 691-9500

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

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.: \_\_\_\_\_  

<u>11/4/09</u>	<u>11/15/09</u>	<u>11/16/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 109-20869-0000  
Spot Description: 9' S & 1' W of  
E/2 SE/4 SE/4 Sec. 36 Twp. 13 S. R. 32  East  West  
651 Feet from  North /  South Line of Section  
331 Feet from  East /  West Line of Section

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


Lease Name: Stucky 36D Well #: 2  
Field Name: \_\_\_\_\_  
Producing Formation: LKC/Myric/Fort Scott/Johnson  
Elevation: Ground: 2928' Kelly Bushing: 2938'  
Total Depth: 4655' Plug Back Total Depth: 4608'  
Amount of Surface Pipe Set and Cemented at: 219 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2445' Feet  
If Alternate II completion, cement circulated from: surface  
feet depth to: 2445' w/ 345 sx cmt.

Drilling Fluid Management Plan AK II NJ 3-870  
(Data must be collected from the Reserve Pit)  
Chloride content: 13000 ppm Fluid volume: 515 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: Development & Production Geologist Date: 3/2/10  
Subscribed and sworn to before me this 2nd day of March  
20 10  
Notary Public: Debra K. Phillips  
Date Commission Expires: 5-4-11

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

 **DEBRA K. PHILLIPS**  
Notary Public - State of Kansas  
My Appt. Expires 5-4-11

Operator Name: Ritchie Exploration, Inc. Lease Name: Stucky 36D Well #: 2  
 Sec. 36 Twp. 13 S. R. 32  East  West County: Logan

**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: <b>Dual Induction Log</b> <b>Compensated Density/Neutron Log</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum  SEE ATTACHED
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CASING RECORD <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#	219'	common	165	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5#	4644'	ASC	200	10% ext, 2% gel & 34% 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	4532' - 4536.5' (11/23/09)		
4	4471.5' - 4474', 4459.5' - 4462.5', 4442.5' - 4446' (11/23/09)	800 GALS 15% NE	
4	4186' - 4191.5', 4164' - 4168' (11/23/09)	1000 GALS 15% NE	

TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4587'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>12/1/09</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>220.14</u>	Gas Mcf _____	Water Bbls. <u>60.86</u> Gas-Oil Ratio _____ Gravity <u>35.9</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-1B.)</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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**#2 Stucky 36D**

651' FSL & 331' FEL

9' S & 1' W of E/2 SE/4 SE/4 Section 36-13S-32W

Logan County, Kansas

API# 15-109-20869-0000

Elevation: GL: 2928', KB: 2938'

<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2413'	+525	+9
B/Anhydrite	2433'	+505	+9
Heebner	3909'	-971	+11
Lansing	3951'	-1013	+10
Lansing "C"	3991'	-1053	+10
Lansing "D"	4005'	-1067	+10
Lansing "E"	4035'	-1097	+13
Lansing "H"	4126'	-1188	+10
Lansing "I"	4158'	-1220	+11
Lansing "J"	4182'	-1244	+12
Stark Shale	4202'	-1264	+8
Lansing "K"	4213'	-1275	+9
Lansing "L"	4251'	-1313	+7
BKC	4276'	-1338	+11
Pawnee	4400'	-1462	+9
Myric	4439'	-1501	+7
Fort Scott	4458'	-1520	+4
Cherokee Shale	4488'	-1550	+2
Johnson	4530'	-1592	+3
Morrow Sand	4589'	-1651	-13
Mississippian	4600'	-1662	-8
RTD	4655'	-1717	

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# ALLIED CEMENTING CO., LLC. 044413

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

SERVICE POINT: Oakley, KS

11-20-09 DATE	SEC. 36	TWP. 13	RANGE 32	CALLED OUT	ON LOCATION	JOB START 3:30pm	JOB FINISH 4:00pm
51000 36.0 LEASE	WELL# 2	LOCATION <u>Oakley (15-36-6S W)</u>			COUNTY <u>Harvey</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (circle one)							

CONTRACTOR Express Well Ser OWNER \_\_\_\_\_

TYPE OF JOB D-Column

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE 5 1/2 DEPTH \_\_\_\_\_

TUBING SIZE 2 7/8 DEPTH 2443'

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT 14.1

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzz

# 431 HELPER Kelly

BULK TRUCK \_\_\_\_\_

# 386 DRIVER Darren

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Test well @ 1200'. ~~Get open~~  
est circulation. mix (345 lbs  
cement with 300+ hulls. Displace  
13.5 Bbls. Close Tool pipe @  
1200'. run 345 reverse lbs  
clean. cement did circulate  
Job complete @ 4:00pm  
Thanks Fuzz crew

CEMENT  
AMOUNT ORDERED 450 60 (40 690)  
sel 1 1/4" Pb seal (used 345)  
500+ hulls (used 300\*)

COMMON	<u>207</u>	@ <u>15.45</u>	<u>3198.15</u>
POZMIX	<u>138</u>	@ <u>8.00</u>	<u>1104.00</u>
GEL	<u>18</u>	@ <u>20.80</u>	<u>374.40</u>
CHLORIDE		@	
ASC		@	

Flo-seal	<u>86</u>	@ <u>2.50</u>	<u>215.00</u>
Hulls	<u>6</u>	@ <u>31.85</u>	<u>191.10</u>

HANDLING	<u>478</u>	@ <u>2.40</u>	<u>1147.20</u>
MILEAGE	<u>109.8</u> mile		<u>956.00</u>
TOTAL			<u>7185.75</u>

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DEPTH	<u>2443'</u>		
PUMP TRUCK CHARGE			<u>1185.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>20</u>	@ <u>7.00</u>	<u>140.00</u>
MANIFOLD		@	

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 1325.00

**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.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME CARLOS JAVIER JIMENEZ

SIGNATURE Carlos Javier Jimenez

TR

# ALLIED CEMENTING CO., LLC. 044407

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

SERVICE POINT:  
Onley KS

DATE <u>11-16-09</u>	SEC <u>36</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>5:30am</u>	JOB START <u>12:30pm</u>	JOB FINISH <u>1:00pm</u>
LEASE <u>36-D</u>	WELL# <u>#2</u>	LOCATION <u>Onley S-Gore Rd 36</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>		
OLD OR NEW (circle one) <u>NEW</u>				<u>65 1/2" w.c. in</u>			

CONTRACTOR M. S. G. #14 OWNER \_\_\_\_\_

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4655'

CASING SIZE 5 1/2 DEPTH 4644'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL #55 P. Collar DEPTH 2406'

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 20'

CEMENT LEFT IN CSG. 20'

PERFS. \_\_\_\_\_

DISPLACEMENT 110.05

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Russ

# 431 HELPER Kelly

BULK TRUCK \_\_\_\_\_

# 377 DRIVER Terry

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

CEMENT	AMOUNT ORDERED	<u>245 SK ASC 1020</u>
	<u>SAT, 29000 154 G. 1/2 SK 3/4 2170</u>	
	<u>CD-31 - 500 gal. W.F.R.</u>	
COMMON	@	_____
POZMIX	@	_____
GEL	@	<u>20.00</u>
CHLORIDE	@	_____
ASC	@	<u>18.60</u> <u>4557.00</u>
	@	_____
<u>Gilsonite</u>	@	<u>.89</u> <u>1090.25</u>
	@	_____
<u>Salt</u>	@	<u>23.92</u> <u>550.85</u>
	@	_____
<u>CD-31</u>	@	<u>9.35</u> <u>1617.55</u>
	@	_____
<u>W.F.R. II</u>	@	<u>1.21</u> <u>635.00</u>
	@	<u>2.40</u> <u>756.00</u>
HANDLING	@	<u>3.15</u> <u>630.00</u>
MILEAGE	@	<u>10.85</u> <u>630.00</u>
TOTAL		<u>9836.65</u>

REMARKS:

Mix 500 gal W.F.R. II - 1 Salt in MH  
30 gals in RH. Mix 200 gals down csg.  
Washout pump lines Displace  
plug to insert 800' L.C.  
Heat band float hub  
Plug down @ 1:15 pm  
Thanks Russ & crew

SERVICE

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

RECEIVED  
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CHARGE TO: R. Schie Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

5 1/2

<u>1. Port Collar</u>		<u>1750.00</u>
<u>1. AFE Insert</u>	@	<u>112.00</u>
<u>1. G. Shoe</u>	@	<u>101.00</u>
<u>8 - Turbolizers</u>	@	<u>42.00</u> <u>336.00</u>
<u>1. Bagbit (W)</u>	@	<u>186.00</u>
<u>3. Bagbits</u>	@	<u>161.00</u> <u>483.00</u>
<u>1 - rubber plug</u>		<u>43.00</u>
TOTAL		<u>3011.00</u>

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SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Carlos Jimenez

SIGNATURE Carlos Jimenez

DR