

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008

Form Must Be Typed

12/31/11

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 + 3188
Contact Person: John Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: _____
Purchaser: _____

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.: _____
12/12/2009 12/14/2009 12/31/2009
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-063-21821-0000
Spot Description: 180' S & 3' W of
SE SE SW Sec. 20 Twp. 13 S. R. 31 East West
150 151 Feet from North / South Line of Section
2307 2925 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Phillips Well #: #1 SWD
Field Name: Antelope Ridge
Producing Formation: Cedar Hills
Elevation: Ground: 2869 Kelly Bushing: 2874
Total Depth: 2354 Plug Back Total Depth: 2309
Amount of Surface Pipe Set and Cemented at: 209 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan SWDNS 1-19-10
(Data must be collected from the Reserve Pit)
Chloride content: 3500 ppm Fluid volume: 150 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: 12/31/2009
Subscribed and sworn to before me this 31st day of December,
20 09.
Notary Public: Ronda Messer
Date Commission Expires: 5/7/2012

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received (cc of log rec'd)
 Geologist Report Received (1/16-11/11)
 UIC Distribution (1/05)

RONDA MESSER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 5/7/12

Operator Name: Ritchie Exploration, Inc. Lease Name: Phillips Well #: #1 SWD
 Sec. 20 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input 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: Gamma Ray Correlation Log DEC 23 2009	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Anhydrite 2339' +535 <div style="text-align: center;"> RECEIVED JAN 04 2010 KCC WICHITA </div>
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CASING RECORD <input 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#	209'	common	170	3%cc, 2% gel
Production	7 7/8	5 1/2	17#	2352'	60/40 pozmix & common	405 & 100	6% gel & 1/4% floccula (poz)

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
1	2083' - 2103' (Cedar Hills)		

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>1991'</u> Packer At: <u>1992'</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>Estimated 01/04/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Mud-Co / Service Mud Inc.

Operator Ritchie Exploration County Gove State Kansas Pump 6 X 14 X 8.49 SPM Casing Program 8 5/8" @ 209 ft.
 Well 1 Phillips SWD Location _____ GPM _____ BPM _____ ft.
 Contractor Murfin #8 Sec 20 TWP 13S RNG 31W D.P. 4.5 in. 209 FT/MIN R.A. _____ ft.
 Stockpoint Pratt, Ks. Date 12/12/2009 Engineer Reid Atkins Collar 6.25 in. 505 ft. 381 FT/MIN R.A. Total Depth 2375' ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min.	pH Strip Meter	FILTRATION/ANALYSIS					SAND %	RETORT			L.C.M.	Pump Press PSI	CUMULATIVE COST	REMARKS AND TREATMENT
			Sec API @ F	PV @ F	Yp			ml API	Cake 32nds	Pre. #/BBL	Cl ppm	Ca ppm		Solids %	Oil %	Water %				
12/12	0																		0	Move rig
12/14	2015	9.4	34	6	8	5/9	7.0	n/c	2			31m	Hvy		5.6		94.4	tr	913	Drill
12/15	2375																		2,062	Final: No DST's. No Logs. Run casing to disposal well.
Reserve Pit: 3500 ppm. Chloride 150 bbls. Volume																				

MUD-CO / SERVICE MUD INC.

100 S. Main Suite #310
Wichita, Ks. 67202
316/264-2814 Fax: 316/264-5024

DRILLING MUD RECAP

Materials	Sacks	Amount	Materials	Sacks	Amount	Amount	
C/S HULLS	17	238.00					
CAUSTIC SODA	2	131.10					
DESCO	1	128.80					
DRILL PAK	1	330.00					
LIME	3	33.00					
PREMIUM GEL	65	1,072.50					
SODA ASH	4	101.00					
SUPER LIG	1	28.00					
						Total Mud Cost	2,062.40
						Trucking Cost	623.41
						Trucking Surcharge	
						Taxes	
						TOTAL COST	2,685.81

RECEIVED
 JAN 04 2010
 KCC WICHITA

RECEIVED
 12/15/09
 10:00 AM
 MUD-CO / SERVICE MUD INC.

ALLIED CEMENTING CO., LLC. 044364

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

SERVICE POINT: Oakley, KS

DATE <u>12/12/09</u>	SEC. <u>20</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>3:00pm</u>	JOB START <u>7:45</u>	JOB FINISH <u>8:15 PM</u>
LEASE <u>Phillips</u>		WELL # <u>1 SWO</u>	LOCATION <u>Oakley 115EE 45 1/2E</u>		COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR MURFIN B

TYPE OF JOB Sur Face

HOLE SIZE 12 1/4 T.D. 209'

CASING SIZE 8 5/8 DEPTH 209'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 12.35 @

OWNER Same

CEMENT AMOUNT ORDERED 170 SKI Cam 3070 cc
250 gal

COMMON <u>170</u>	@ <u>15.45</u>	<u>2626.50</u>
POZMIX	@	
GEL <u>3</u>	@ <u>20.00</u>	<u>60.00</u>
CHLORIDE	@ <u>57.20</u>	<u>349.20</u>
ASC	@	

EQUIPMENT

PUMP TRUCK CEMENTER Alan

422 HELPER Wayne

BULK TRUCK

397 DRIVER Ladene

BULK TRUCK

DRIVER

RECEIVED

JAN 04 2010

KCC WICHITA

HANDLING 179 SK @ 2.40 429.60

MILEAGE 10.45/km @ 35.00 365.75

TOTAL 3825.70

REMARKS: Cement did Circulate

CHARGE TO Ritchie Egg

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 209'

PUMP TRUCK CHARGE 1018.00

EXTRA FOOTAGE @

MILEAGE 20 @ 7.00 140.00

MANIFOLD @

TOTAL 1158.00

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.

PRINTED NAME Ladene Farn

SIGNATURE Ladene Farn

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

- Rn -

ALLIED CEMENTING CO. LLC. 044366

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

Phillips - (SW)

SERVICE POINT: *Dakley KS*

DATE <u><i>12/14/09</i></u>	SEC <u><i>29</i></u>	TWP <u><i>13</i></u>	RANGE <u><i>31</i></u>	CALLED OUT	ON LOCATION <u><i>12:00 noon</i></u>	JOB START <u><i>3:30pm</i></u>	JOB FINISH <u><i>4:30pm</i></u>
LEASE <u><i>Phillips</i></u>	WELL # <u><i>SWO 1</i></u>	LOCATION <u><i>Dakley, KS 11S 3E 4S</i></u>			COUNTY <u><i>Crowe</i></u>	STATE <u><i>KS</i></u>	
OLD OR NEW <u><i>(Circle one)</i></u>			<u><i>1/2 W Nitro</i></u>				

CONTRACTOR *Marlin S* OWNER *Same*
 TYPE OF JOB *Productions*
 HOLE SIZE *7 7/8* T.D. _____
 CASING SIZE *5 1/2* DEPTH *2363*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT *42'*
 CEMENT LEFT IN CSG. *42'*
 PERFS. _____
 DISPLACEMENT *55.5 BB*

CEMENT AMOUNT ORDERED *450 SKS 60/40 60 bagel*
Flt Seal, 100 SK, 1/4 lb

COMMON	<u><i>300</i></u>	@	<u><i>15.25</i></u>	<u><i>5716.50</i></u>
POZMIX	<u><i>180</i></u>	@	<u><i>8.00</i></u>	<u><i>1440.00</i></u>
GEL	<u><i>23</i></u>	@	<u><i>20.00</i></u>	<u><i>460.00</i></u>
CHLORIDE	_____	@	_____	_____
ASC	_____	@	_____	_____
Flt Seal	<u><i>100</i></u>	@	<u><i>2.20</i></u>	<u><i>220.00</i></u>
WFR II	<u><i>500 bagel</i></u>	@	<u><i>1.27</i></u>	<u><i>635.00</i></u>
HANDLING	<u><i>535 SK</i></u>	@	<u><i>2.40</i></u>	<u><i>1332.00</i></u>
MILEAGE	<u><i>12.9 SK/mile</i></u>	@	_____	<u><i>1110.00</i></u>
				TOTAL <u><i>10994.00</i></u>

EQUIPMENT

PUMP TRUCK CEMENTER *Plan*
 # *423* HELPER *Lahero*
 BULK TRUCK
 # *300* DRIVER *Terry*
 BULK TRUCK
 # *347* DRIVER *Terry*

REMARKS:

*Mix 500 Gal WFR II Down 5 1/2
 Mix 30 SKs Root Hole, 15 SKs Man
 Hole Mix 40.5 SKs 60/40 60 bagel
 Down 5 1/2 Tailw 100 SKs Com
 1000 Displace Plug to Insert
 800 PSI RT and Plug 1600 PSI
 Float Held. Cement did
 Circulate.*

Plan, Lahero, Terry

SERVICE

DEPTH OF JOB	_____		
PUMP TRUCK CHARGE	_____		<u><i>2011.00</i></u>
EXTRA FOOTAGE	_____	@	_____
MILEAGE	<u><i>20 miles</i></u>	@	<u><i>7.00</i></u> <u><i>140.00</i></u>
MANIFOLD	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
TOTAL <u><i>2151.00</i></u>			

CHARGE TO: *Kitchie Exploration*
 STREET _____
 CITY _____ STATE _____ ZIP _____

RECEIVED
 JAN 04 2010

KCC WICHITA

To Allied Cementing Co., LLC.
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PLUG & FLOAT EQUIPMENT

Cable shoe	<u><i>-1</i></u>	@	<u><i>107.00</i></u>
Spurt	<u><i>-1</i></u>	@	<u><i>162.00</i></u>
Bracket	<u><i>-2</i></u>	@	<u><i>101.00</i></u> <u><i>202.00</i></u>
Hydralizers	<u><i>-2</i></u>	@	<u><i>42.00</i></u> <u><i>84.00</i></u>
Hubbing Plug	<u><i>-1</i></u>	@	<u><i>76.00</i></u> <u><i>76.00</i></u>
TOTAL <u><i>695.00</i></u>			

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

PRINTED NAME _____
 SIGNATURE *Marlin S*

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