

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

3/9/12

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 Niemberger
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.)

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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.: _____
11/20/09 11/30/09 11/30/09
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 063-21816-0000
Spot Description: 5' N & 175' W
SW SE SW Sec. 29 Twp. 13 S. R. 31 East West
335 Feet from North / South Line of Section
1475 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Hess 29C Well #: 2
Field Name: _____
Producing Formation: LKC & Johnson
Elevation: Ground: 2909 Kelly Bushing: 2919
Total Depth: 4615 Plug Back Total Depth: 4583
Amount of Surface Pipe Set and Cemented at: 201 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2360 Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2360 w/ 245 sx cmt.

Drilling Fluid Management API 3-10-10
(Data must be collected from the Reserve Pit)
Chloride content: 6600 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: 3/9/10
Subscribed and sworn to before me this 9th day of March
10
Notary Public: _____
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: Hess 29C Well #: 2
 Sec. 29 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>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum
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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	201	common	165	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5	4607	ASC	200	10% salt, 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	4511.5' - 4514.5' (12/16/09)		
4	4152'-4154.5' (12/16/09), 4168'-4172.5', 4115.5'-4118.5' (12/17/09)	1000 gals 15% NE	

TUBING RECORD:	Size: <u>2-7/8</u>	Set At: <u>4567'</u>	Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. <u>12/31/09</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. <u>127.68</u>	Gas Mcf	Water Bbls. <u>54.72</u>	Gas-Oil Ratio	Gravity <u>36.9</u>
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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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#2 Hess 29C
335' FSL & 1475' FWL
5'N & 175'W of SW SE SW Section 29-13S-31W
Gove County, Kansas
API# 15-063-21816-0000
Elevation: 2909' GL, 2919' KB

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<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2391'	+528	+1
B/Anhydrite	2414'	+505	flat
Heebner	3908'	-989	-7
Lansing	3952'	-1033	-7
Lansing "C"	3985'	-1066	-6
Lansing "D"	4000'	-1081	-6
Lansing "E"	4029'	-1110	-7
Muncie Shale	4097'	-1178	-7
Lansing "H"	4111'	-1192	-3
Lansing "I"	4141'	-1222	-1
Lansing "J"	4164'	-1245	-6
Stark Shale	4187'	-1268	-8
Lansing "K"	4201'	-1282	-9
Lansing "L"	4232'	-1313	-6
BKC	4259'	-1340	-7
Pawnee	4383'	-1464	-6
Myric Station	4420'	-1501	-7
Cherokee Shale	4466'	-1547	-4
Johnson	4509'	-1590	-3
Morrow Sand	4548'	-1629	-16
Mississippian	4559'	-1640	-13
RTD	4615'	-1696	

ALLIED CEMENTING CO., LLC. 044414

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

POINT:
OKLAHOMA

DATE <u>11-20-09</u>	SEC <u>29</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>4:30pm</u>	JOB START <u>9:30am</u>	JOB FINISH <u>9:00am</u>
LEASE <u>Hess</u>	WELL# <u>29c</u>	WELL# <u>+2</u>	LOCATION <u>Oldwell 11s-30-55-6-09</u>	COUNTY <u>Goode</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)							

CONTRACTOR Murphy 14
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 216'
CASING SIZE 8 5/8 DEPTH 216'
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. 15'
PERFS. _____
DISPLACEMENT 12-8 AALS
EQUIPMENT _____
PUMP TRUCK CEMENTER Fuzzy
431 HELPER Delly
BULK TRUCK _____
377 DRIVER habeed
BULK TRUCK _____
_____ DRIVER _____

OWNER _____
CEMENT AMOUNT ORDERED 165 rom 390cc
290cc
COMMON 165 @ 15.45 2549.25
POZMIX @ _____
GEL 3 @ 20.80 62.40
CHLORIDE 6 @ 58.20 349.20
ASC @ _____
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HANDLING 17.4 @ 2.42 417.40
MILEAGE 210 x 54/mile 348.00
TOTAL 3726.45

REMARKS:
Cement did circulate

Job complete @ 9:00pm
Thanks Fuzzy & crew

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

SERVICE
DEPTH OF JOB 216
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 Copac Clough
SIGNATURE Greg Clough

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

TW

ALLIED CEMENTING CO. LLC. 044423

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

SERVICE POINT: Oak Grove, KS

DATE <u>11-29-09</u>	SEC. <u>29</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>10:00am</u>	JOB START <u>4:30am</u>	JOB FINISH <u>5:00am</u>
LEASE # <u>Hess 29C #2</u>	WELL# <u>29C</u>	LOCATION <u>Oak Grove S-Corner Rd 36</u>	COUNTY <u>Gove</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>				SS <u>29C</u>			

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CONTRACTOR Murphy #14
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 I.D. 4615
 CASING SIZE 5" x 15.5 DEPTH 4606
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL P. Collar # 57 DEPTH 2359
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 20
 CEMENT LEFT IN CSG. 20
 PERFS. _____
 DISPLACEMENT 109.1 Bbl

OWNER SAME
 CEMENT AMOUNT ORDERED 245 sks ASC 29
10% salt, 5% G.I./SK, 3/4" S.I.P.
500gal W.F.R.T.

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EQUIPMENT
 PUMP TRUCK CEMENTER Fuzzy
 # 1131 HELPER Relly
 BULK TRUCK
 # 397 DRIVER LaRene
 BULK TRUCK
 # _____ DRIVER _____

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC	245 @	1860	4557.00
Gilsonite	1225 @	189	1090.25
Salt	23 sks @	23.99	550.82
CD 31	173 @	9.35	1617.55
W.F.R.T. 500gal	@	1.07	635.00
HANDLING	315 @	2.50	787.50
MILEAGE	107.5K mile	_____	630.00
TOTAL			9836.02

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REMARKS:

Pump 500gal W.F.R.T. Mix 15 sks water
 30 sks BH mix 200 sks down
 casing. Dip plus 2" place
 to insert, 850 # light - 1500 #
 land float held plus
 down @ 5:00am
 Thanks Fuzzy & crew

SERVICE

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DEPTH OF JOB	4606'		
PUMP TRUCK CHARGE	2185.00		
EXTRA FOOTAGE	@	_____	_____
MILEAGE	20 @	7.00	140.00
MANIFOLD	@	_____	_____
TOTAL			2325.00

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

PLUG & FLOAT EQUIPMENT

1-Port Collar	1750.00
1-A.F.O. Insert	@ 112.00
1-G. Shoe	@ 101.00
8-Turbolizers	@ 42.00 336.00
4- Gas Bits	@ 161.00 644.00
1- rubber plug	@ 43.00
TOTAL	2986.00

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

- JCN -

ALLIED CEMENTING CO., LLC. 044427

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

SERVICE POINT:
Oakley KS

DATE <u>12-2-09</u>	SEC. <u>29</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>9:30am</u>	JOB START <u>11:00am</u>	JOB FINISH <u>11:30am</u>
LEASE <u>1-299 #2</u>	WELL# <u>29C</u>	LOCATION <u>Oakley S-Grove Rd</u>			COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>30.55 in</u>			

CONTRACTOR: Sypress Well Service OWNER _____

TYPE OF JOB Pond Collar

HOLE SIZE _____ I.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2 7/8 DEPTH 2360'

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 13.6 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzie

423 HELPER Andrew

BULK TRUCK _____

396 DRIVER LaPere

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

Press test closed at 1200'
est circ. max 295 lbs cement
Displace 13 bbl close tool
& press to 1200'. Run 35 lbs
reverse lbs clean. hit press
800' close in @ 1200' cement
did circulate.
Job complete @ 11:30am
Thanks Fuzzie & crew

CEMENT
AMOUNT ORDERED 450 sacks 60140 69000
164# Clo-seal
(used 245)

COMMON	<u>147</u>	@ <u>15.45</u>	<u>2271.15</u>
POZMIX	<u>98</u>	@ <u>8.00</u>	<u>784.00</u>
GEL	<u>8</u>	@ <u>20.00</u>	<u>166.40</u>
CHLORIDE		@	
ASC		@	
<u>Clo-seal 61#</u>		@ <u>2.50</u>	<u>152.50</u>
<u>350# hulls</u>		@ <u>31.25</u>	<u>111.49</u>
HANDLING <u>429</u>		@ <u>2.40</u>	<u>1149.60</u>
MILEAGE <u>10.45 kmile</u>			<u>958.00</u>
TOTAL			<u>5593.14</u>

DEPTH OF JOB	<u>2360'</u>		
PUMP TRUCK CHARGE			<u>1185.00</u>
EXTRA FOOTAGE		@	
MILEAGE <u>20</u>		@ <u>7.00</u>	<u>140.00</u>
MANIFOLD		@	
crew		@	
TOTAL			<u>1325.00</u>

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CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

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

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Carlos Javier Jimenez

SIGNATURE Carlos Javier Jimenez