

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

9/29/09

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 Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling, Co., Inc.
Wellsite Geologist: Brad Rine
Purchaser: NCRA

API No. 15 - 063-21784-00-00
Spot Description: 110' N & 140' E of
C S/2 N/2 S/2 Sec. 29 Twp. 13 S. R. 31 East West
1760 Feet from North / South Line of Section
2500 Feet from East / West Line of Section

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.)

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Hess 29CD Unit Well #: 1
Field Name: _____

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.: _____
6/29/09 7/13/09 7/13/09
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Producing Formation: Johnson, Morrow Sand & Cong. Sand
Elevation: Ground: 2876 Kelly Bushing: 2881
Total Depth: 4595 Plug Back Total Depth: 4555
Amount of Surface Pipe Set and Cemented at: 209 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2337 Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2337 w/ 500 sx cmt.

Drilling Fluid Management Plan AK II N 310-2809
(Data must be collected from the Reserve Pit)
Chloride content: 19000 ppm Fluid volume: 1000 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: 9/29/09
Subscribed and sworn to before me this 29th day of September
2009
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: Hess 29CD Unit Well #: 1
 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> 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 <div style="text-align: right;"> KCC SEP 29 2009 CONFIDENTIAL </div>
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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	209	common	165	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5	4588	ASC	200	10% seal, 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				

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Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set Log		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
4	4516.3'-4523.3', 4508.5'-4514.5', 4473'-4476' (7/24/09)		1500 gals 15% NE	

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TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4537</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>7/31/09</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>43.5</u>	Gas Mcf <u>3.2</u> Water Bbls. _____ Gas-Oil Ratio _____ Gravity <u>36</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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#1 Hess 29CD Unit

1760' FSL & 2500' FEL

110' N & 140' E of C S/2 N/2 S/2 Section 29-13S-31W

Gove County, Kansas

API# 15-063-21784-0000

Elevation: 2876' GL: 2881' KB

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Sample Tops			Ref. Well
Anhydrite	2354'	+527	+7
B/Anhydrite	2379'	+502	+5
Heebner	3868'	-987	+10
Lansing	3912'	-1031	+10
Lansing "C"	3950'	-1069	+9
Lansing "D"	3964'	-1083	+9
Lansing "E"	3992'	-1111	+9
Lansing "H"	4082'	-1201	+4
Lansing "J"	4131'	-1250	+6
Lansing "K"	4159'	-1278	+8
BKC	4223'	-1342	+13
Marmaton	4250'	-1369	+16
Altamont	4272'	-1391	+20
Pawnee	4350'	-1469	+13
Myric Station	4383'	-1502	+14
Fort Scott	4400'	-1519	+17
Cherokee Shale	4427'	-1547	+13
Johnson	4469'	-1588	+13
Base/Johnson	4491'	-1610	+12
Morrow Sand	4496'	-1615	+30
Mississippian	4525'	-1644	+21
RTD	4595'	-1714	

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ALLIED CEMENTING CO., LLC. 044099

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

SERVICE POINT: Oakley, KS

DATE <u>7/16/09</u>	SEC <u>29</u>	TWP <u>13</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>9:00am</u>	JOB START <u>11:30am</u>	JOB FINISH <u>12:00pm</u>
LEASE # <u>2900</u>	WELL # <u>#1</u>	LOCATION <u>Oakley, Ks 11.5 3E 5S</u>	COUNTY <u>Gove</u>	STATE <u>Ks</u>			
OLD OR NEW (Circle one) <u>NEW</u>		E-into					

CONTRACTOR Express Well Service
 TYPE OF JOB Part collar
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH
 TUBING SIZE 2 7/8 DEPTH
 DRILL PIPE DEPTH
 TOOL Part collar DEPTH 2337
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER Same
 CEMENT
 AMOUNT ORDERED 500 SKs 60/40 67 gal
1/4 lb Flo Seal
500 lb Halls on side

EQUIPMENT

PUMP TRUCK CEMENTER Alan
 # 422 HELPER Wagner
 BULK TRUCK
 # 394 DRIVER Terry
 BULK TRUCK
 # DRIVER

COMMON	<u>300</u>	@	<u>15.42</u>	<u>4635.00</u>
POZMIX	<u>207</u>	@	<u>8.00</u>	<u>1600.00</u>
GEL	<u>26</u>	@	<u>20.00</u>	<u>540.00</u>
CHLORIDE		@		
ASC		@		
Flo Seal	<u>125 lb</u>	@	<u>2.50</u>	<u>312.50</u>
HANDLING	<u>542 SKs</u>	@	<u>2.40</u>	<u>1300.80</u>
MILEAGE	<u>109 SK/mile</u>			<u>1084.00</u>
TOTAL				<u>9473.10</u>

REMARKS:
 Pressure System to 1200 lb Hall, Open Tool, Tubs
 Inj. Rate May 500 SKs 60/40 67 gal 1/4 lb Flo
 @ 3.00 PST. Displace 1388 cu ft. Pump 277
 Close Tool Pressure to 1200 Hall. Run 5 JTs.
 Reverse Chem.
 Cement did Circulate!!
 Thank You
 Alan Wagner, Terry

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

SERVICE

DEPTH OF JOB 2337'
 PUMP TRUCK CHARGE 900.00
 EXTRA FOOTAGE @ _____
 MILEAGE 20 @ 7.00 140.00
 MANIFOLD @ _____
 TOTAL 1040.00

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.
 PRINTED NAME _____
 SIGNATURE _____

PLUG & FLOAT EQUIPMENT

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

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

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T.R.

ALLIED CEMENTING CO., LLC. 043676

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

SERVICE POINT:
OAKLEY, KS

(Hess 29001)

DATE 7-13-09	SEC. 29	TWP. 13	RANGE 3	CALLED OUT	ON LOCATION	JOB START 10:30 am	JOB FINISH 11:30 am
LEASE # 29001	WELL # Unit #1		LOCATION Oakley, 115-46-45			COUNTY Gove	STATE KS
OLD OR NEW (Circle one) <input checked="" type="radio"/> OLD							

CONTRACTOR Morgan #8

TYPE OF JOB Production String

HOLE SIZE 12 1/4 T.D. 4587'

CASING SIZE 5 1/2 DEPTH 4587'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL P. Collar DEPTH 2337'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 21'

CEMENT LEFT IN CSG. 21

PERFS.

DISPLACEMENT 108.6

OWNER _____

CEMENT AMOUNT ORDERED 250 gals ASC

2 9/16 100 gal 15 54 gal / sk

500 gal WFA II

COMMON @ _____

POZMIX @ _____

GEL 5 @ _____ n/c

CHLORIDE @ _____

ASC 250 @ 18.00 4650.00

Salt 230 lbs @ _____ n/c

CO-31 176# @ 9.35 1645.00

C-1 sand 1250# @ .89 1112.50

WFA II 500 gal @ 1.27 635.00

HANDLING 320 @ 2.45 768.00

MILEAGE 10 x 5K x m. @ _____ 640.00

TOTAL 9451.00

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EQUIPMENT

PUMP TRUCK CEMENTER Fuzz

431 HELPER Kelly

BULK TRUCK

377 DRIVER Walt

BULK TRUCK

DRIVER

REMARKS:

mix 500 gal WFA II mix 20 sks

in mud - mix 70 sks BH. mix

200 sks down csg. without

pumpatives. Displace plug to

insert WCT press 900#

hand press 1500#. Float hold

Sub complete 11:15 am

Thanks, Fuzz & crew

SERVICE

DEPTH OF JOB 4587'

PUMP TRUCK CHARGE 2185.00

EXTRA FOOTAGE @ _____

MILEAGE 20 @ 7.00 140.00

MANIFOLD @ _____

TOTAL 2325.00

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CHARGE TO: Ridgely Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

1. Pont roller 1750.00

2. Basket @ (W) 186.00

3. Turbol. 200# @ 21.00 168.00

1. G. Shoe @ _____ 101.00

1. ATU Invert @ (W) 370.00

3. Bagt 05 @ 161.00 483.00

1. rubber plug 43.00

TOTAL 3103.00

To Allied Cementing Co., LLC.

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SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Thomas A. [Signature]

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ALLIED CEMENTING CO., LLC. 043557

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

SERVICE POINT: 043557

DATE	SEC	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
6-29-09	29	13	31		1:30 pm	11:30 am	12:00 pm
LEASE #	WELL #	LOCATION		COUNTY	STATE		
60-29	11	Oakley 11s-46-45		Gove	Ks		
OLD OR NEW (Circle one)							
NEW			126-200				

CONTRACTOR Murf
 TYPE OF JOB Surface
 HOLE SIZE 12"4 T.D. 209'
 CASING SIZE 8 5/8 23' DEPTH 209'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 12.3

OWNER Ritchie Exploration

CEMENT AMOUNT ORDERED 165 sacks cement
300cc 2" gel

COMMON	<u>165</u>	@ <u>15.45</u>	<u>2549.25</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>20.00</u>	<u>62.00</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>17.1</u>	@ <u>2.50</u>	<u>417.50</u>
MILEAGE	<u>10.25</u> mile		<u>348.00</u>
TOTAL			<u>3726.45</u>

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EQUIPMENT
 PUMP TRUCK CEMENTER Fuzzy
 # 431 HELPER Darryl
 BULK TRUCK
 # 386 DRIVER Darren
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
cement did circulate
Approved ABLS
Job complete @ 11:45 pm
Thanks Fuzzy & crew

SERVICE

DEPTH OF JOB	<u>209'</u>		
PUMP TRUCK CHARGE		@	<u>1018.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>20</u>	@ <u>7.00</u>	<u>140.00</u>
MANIFOLD		@	
		@	
		@	

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

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 PLUG & FLOAT EQUIPMENT

KCC WICHITA
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____

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 LARRY PICKNER
 SIGNATURE Larry Pickner

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