

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 Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 30606
Name: Murfin Drilling, Co., Inc.
Wellsite Geologist: Steve Carl
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, Exp. Path, 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.: _____
7/1/09 7/12/09 7/12/09
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 063-21786-00-00
Spot Description: 100' E of
C E/2 NE NW Sec. 20 Twp. 13 S. R. 31 East West
660 Feet from North / South Line of Section
2410 Feet from East / West Line of Section

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

Producing Formation: LKC & Johnson
Elevation: Ground: 2915 Kelly Bushing: 2925
Total Depth: 4622 Plug Back Total Depth: 4583
Amount of Surface Pipe Set and Cemented at: 206 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2368 Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2368 w/ 350 sx cmt.

Drilling Fluid Management Plan AH II NS 10-2809
(Data must be collected from the Reserve Pit)
Chloride content: 12000 ppm Fluid volume: 1000 bbis
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.: _____

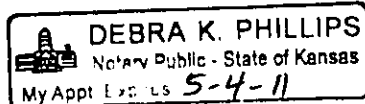
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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
20 09.
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 Exp. LS 5-4-11

Operator Name: Ritchie Exploration, Inc. Lease Name: Phillips-Hess Well #: 1
 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 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
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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	206	common	150	3%cc, 2%gel
Production	7-7/8	5-1/2	15.5	4614	ASC	200	10% salt, 2% gel & 3/4% 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/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4515' - 4518' (7/21/09)		
4	4119.5' - 4122.5' (7/23/09)		

TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4576'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>7/28/09</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>177.00</u>	Gas Mcf <u>0.17</u>	Water Bbls. <u>0.17</u> Gas-Oil Ratio <u>40</u> Gravity <u>40</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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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#1 Phillips-Hess

660' FNL & 2410' FWL

100' E of C E/2 NE NW Section 20-13S-31W

Gove County, Kansas

API# 15-063-21786-0000

Elevation: 2915' GL: 2925' KB

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<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	2405'	+520	+8	
B/Anhydrite	2429'	+496	+7	
Heebner	3909'	-984	+17	
Lansing	3955'	-1030	+17	
Lansing "C"	3987'	-1062	+17	
Lansing "D"	4007'	-1082	+17	
Muncie Shale	4105'	-1180	+20	
Lansing "H"	4115'	-1190	+25	
Lansing "I"	4150'	-1225	+24	
Lansing "J"	4167'	-1242	+23	
Stark Shale	4189'	-1264	+22	
BKC	4260'	-1335	+18	
Altamont	4315'	-1390	+29	
Pawnee	4387'	-1462	+40	
Myric Station	4424'	-1499	+35	
Cherokee Shale	4471'	-1546	+39	
Johnson	4514'	-1589	+42	
Base/Johnson	4535'	-1610	+45	
Mississippian	4560'	-1635	+114	
RTD	4624'	-1699		

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ALLIED CEMENTING CO., LLC. 043639

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

SERVICE POINT:

Oakley

DATE 7-2-09	SEC. 20	TWP. 13	RANGE 31	CALLED OUT	ON LOCATION 12:00 AM	JOB START 3:30 PM	JOB FINISH 4:00 AM	
LEASE Phillips-1655			WELL # 1	LOCATION 04864 115 3E 35 1/2 E		COUNTY Gove	STATE KS	
OLD OR NEW (Circle one) <input checked="" type="radio"/> OLD <input type="radio"/> NEW				SITE NO 5270				

CONTRACTOR *Precision Drilling*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* **T.D.** *217'*

CASING SIZE *8 5/8* **DEPTH** *217'*

TUBING SIZE _____ **DEPTH** _____

DRILL PIPE _____ **DEPTH** _____

TOOL _____ **DEPTH** _____

PRES. MAX _____ **MINIMUM** _____

MEAS. LINE _____ **SHOE JOINT** _____

CEMENT LEFT IN CSG. *15'*

PERFS. _____

DISPLACEMENT *13.5 bbl*

EQUIPMENT

OWNER *same*

CEMENT

AMOUNT ORDERED *150 sts com*

38 cc 20 gel

COMMON *150 sts* @ *15.45* *2317.50*

POZMIX @ _____

GEL *3 sts* @ *20.80* *62.40*

CHLORIDE *5 sts* @ *58.20* *291.00*

ASC @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING *158 sts* @ *2.40* *379.20*

MILEAGE *10* sk/mile* *316.00*

TOTAL *3366.10*

PUMP TRUCK CEMENTER *Andrew*

*423-281* HELPER *Andrew*

BULK TRUCK

*347* DRIVER *Walt*

BULK TRUCK

_____ DRIVER _____

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REMARKS:

Cement did circulate

Thank you

CHARGE TO: *Ritchie Exploration*

STREET _____

CITY _____ **STATE** _____ **ZIP** _____

SERVICE

DEPTH OF JOB *217'*

PUMP TRUCK CHARGE *1018.00*

EXTRA FOOTAGE @ _____

MILEAGE *20 miles* @ *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 _____

SIGNATURE *[Signature]*

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ **IF PAID IN 30 DAYS**

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ALLIED CEMENTING CO., LLC. 043573

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

SERVICE POINT:
Oakley KS

DATE <u>7-12-09</u>	SEC. <u>20</u>	TWP. <u>13</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>9:30am</u>	JOB START <u>6:00am</u>	JOB FINISH <u>7:00am</u>
LEASE <u>Hess</u>	WELL# <u>4241</u>	LOCATION <u>Oakley 125-462125</u>			COUNTY <u>Goos</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Morgan #141
 TYPE OF JOB Production string
 HOLE SIZE 7-7/8 T.D. 4625
 CASING SIZE 5 1/2 IS.S DEPTH 4614'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Joint collar DEPTH 2368'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 21'
 CEMENT LEFT IN CSG. 21'
 PERFS.
 DISPLACEMENT 109.3

OWNER
 CEMENT
 AMOUNT ORDERED 250 ASC
250000 10900 salt 2/4 20 0-71
500000 10900 WFR II

EQUIPMENT
 PUMP TRUCK CEMENTER Fuzzy
 # 431 HELPER Kelly
 BULK TRUCK
 # 386 DRIVER Walt
 BULK TRUCK
 # DRIVER

COMMON @
 POZMIX @
 GEL 3 @ 20.00 N/C
 CHLORIDE @
 ASC 250 @ 18.00 4650.00
 @
Salt 23500 @ 23.95 N/C
 @
CO-31 176* @ 9.39 1645.00
 @
WFR II 50000 @ 1.29 635.00
 @
 @
 HANDLING 295 @ 2.15 708.00
 MILEAGE 110000 mile 590.00
 TOTAL 8228.00

REMARKS:

Min 50000 WFR II - min 20000
min 100000 AH min 20000
ASC 20000 to 20000 3/4 20 0-31
attached pump lines, Discharge
plus to insert, 800' lift
1500' land, Insert hold
Plus down @ 7:00am
Thanks Fuzzy crew

SERVICE

DEPTH OF JOB 4614'
 PUMP TRUCK CHARGE 2185.00
 EXTRA FOOTAGE @
 MILEAGE 20 @ 7.00 140.00
 MANIFOLD @
 @
 @

CHARGE TO: Ritchie Exploration
 STREET
 CITY STATE ZIP

TOTAL 2325.00

PLUG & FLOAT EQUIPMENT

1. Port collar 1750.00
1. AEU Insert @ 101.00
1. G. Shoe @ 101.00
8. Turbolizers @ 42.00 336.00
3. Baskets @ 161.00 483.00
1. Basket @ 10 186.00
1. subsea plug 113.00
 TOTAL 3000.00

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PRINTED NAME _____

SIGNATURE Thomas P. [Signature]

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

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[Handwritten mark]

ALLIED CEMENTING CO., LLC. 044101

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

SERVICE POINT: Dg Mly, Kc

E2 NE NW 14

DATE <u>7/16/09</u>	SEC. <u>20</u>	TWP. <u>13</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>5:30p</u>	JOB START <u>6:00p</u>	JOB FINISH <u>5:00p</u>
LEASE <u>Phillips - Heas</u>	WELL # <u>#1</u>	LOCATION <u>Dg Mly 31S 3E 3 1/2 S</u>			COUNTY <u>Goove</u>	STATE <u>Kc</u>	

OLD OR NEW (Circle one) NEW Ec Sinto

CONTRACTOR Express OWNER Same

TYPE OF JOB Port collar

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 1/2 DEPTH

TUBING SIZE 2 7/8 DEPTH

DRILL PIPE DEPTH

TOOL Port collar DEPTH 2368

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

CEMENT

AMOUNT ORDERED 500 SKs 60/40

670 gal 1416 Pto Seal

500 lb Hulls On Side - used 350 SKs

COMMON <u>210</u>	@ <u>15.45</u>	<u>3244.50</u>
POZMIX <u>140</u>	@ <u>8.50</u>	<u>1190.00</u>
GEL <u>18</u>	@ <u>20.80</u>	<u>374.40</u>
CHLORIDE	@	
ASC	@	
<u>Flo Seal - 8876</u>	@ <u>2.50</u>	<u>220.00</u>
<u>Hulls 45kg - 200 lb</u>	@ <u>31.85</u>	<u>127.40</u>
	@	
	@	
	@	
	@	
	@	
HANDLING <u>582</u>	@ <u>2.40</u>	<u>1396.80</u>
MILEAGE <u>10.5K/mile</u>		<u>1084.00</u>
TOTAL		<u>2471.10</u>

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EQUIPMENT

PUMP TRUCK CEMENTER Ale

422 HELPER Wayne

BULK TRUCK

394 DRIVER Terry

BULK TRUCK

DRIVER

REMARKS:

Pressure System to 1200 PSI. Hull, Open Tool, Talk

Trj. Rts m. 350 SKs 60/40, 670 gal 1416 Pto Seal, w/ 500 lb Hulls

Displace 13 HLL H2O, Clean Tool Pressure

1200 PSI. Hull Reverse Clean 500 PSI

Cement Did Circulate!!

Thank You

Alex, Wayne, Terry

CHARGE TO: Ritchie Exp

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2368</u>
PUMP TRUCK CHARGE	<u>900.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>20</u>	@ <u>7.00</u> <u>140.00</u>
MANIFOLD	@
	@
	@
TOTAL <u>1040.00</u>	

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PLUG & FLOAT EQUIPMENT

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

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 Thomas A. A...

Tou