

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

4/28/12

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: Wes Hansen
Purchaser: NCRA

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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>1/25/10</u>	<u>2/2/10</u>	<u>2/3/10</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 109-20880-0000
Spot Description: 89' s & 77' E of
E/2 SW NW Sec. 36 Twp. 13 S. R. 32 East West
2069 Feet from North / South Line of Section
1067 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Logan
Lease Name: Nuss Farms 36B Well #: 1
Field Name: _____
Producing Formation: Johnson
Elevation: Ground: 2898' Kelly Bushing: 2908'
Total Depth: 4660' Plug Back Total Depth: 4545'
Amount of Surface Pipe Set and Cemented at: 212' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2365' Feet
If Alternate II completion, cement circulated from: surface
feet depth to: 2365' w/ 275 sx cmt.

Drilling Fluid Management Plan APINJ55-10
(Data must be collected from the Reserve Pit)
Chloride content: 7500 ppm Fluid volume: 800 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: 4/28/10
Subscribed and sworn to before me this 28th day of April,
2010.
Notary Public: Debra K. Phillips
Date Commission Expires: 5-4-11

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

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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CONSERVATION DIVISION
WICHITA, KS

Operator Name: Ritchie Exploration, Inc. Lease Name: Nuss Farms 36B Well #: 1 **APR 28 2010**

Sec. 36 Twp. 13 S. R. 32 East West County: Logan **CONFIDENTIAL**

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 <p style="text-align: center;">SEE ATTACHED</p>
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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#	212'	common	165	3%cc, 2%gel
Production	7-7/8	4-1/2	10.5#	4657'	ASC	225	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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	4558' - 4568' (2/12/10)	500 GALS 15% NE	
	*****CIBP @ 4545' (2/16/10)*****		
4	4502' - 4505' (2/16/10)	500 GALS 15% NE	

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TUBING RECORD: Size: <u>2-3/8</u> Set At: <u>4529'</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>3/23/10</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>
Estimated Production Per 24 Hours	Oil Bbls. <u>40.08</u> Gas Mcf <u> </u> Water Bbls. <u>0</u> Gas-Oil Ratio <u> </u> Gravity <u>26.8</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) <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
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RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#1 Nuss Farms 36B

2069' FNL & 1067' FWL

89' S & 77' E of E/2 SW NW Section 36-13S-32W

Logan County, Kansas

API# 15-109-20880-0000

Elevation: GL: 2898', KB: 2908'

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DRILLING REPORT

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	2392'	+516	flat
B/Anhydrite	2415'	+493	-3
Heebner	3889'	-981	+1
Lansing	3928'	-1020	+3
Lansing "C"	3964'	-1056	+7
Lansing "D"	3987'	-1079	-2
Lansing "E"	4009'	-1101	+9
Muncie Shale	4085'	-1177	+6
Lansing "H"	4100'	-1192	+6
Lansing "I"	4130'	-1222	+9
Lansing "J"	4154'	-1246	+10
Lansing "K"	4186'	-1278	+6
Hush.	4209'	-1301	+5
Lansing "L"	4222'	-1314	+6
BKC	4249'	-1341	+8
Altamont	4301'	-1393	+19
Pawnee	4378'	-1470	+1
Myric	4415'	-1507	+1
Fort Scott	4432'	-1524	flat
Cherokee Shale	4461'	-1553	-1
Johnson	4500'	-1592	+3
B/Johnson	4534'	-1626	-5
Morrow Sand	4563'	-1655	-17
Mississippian	4595'	-1687	-33
RTD	4660'	-1752	

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CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., LLC. 039179

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

SERVICE POINT:

Oakley

DATE <u>1-26-10</u>	SEC <u>36</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>12:00 AM</u>	JOB START <u>12:20 AM</u>	JOB FINISH <u>1:00 AM</u>
<u>Nuss Farms</u> LEASE	WELL# <u>1</u>	LOCATION <u>Oakley 1/4E S10E</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Murfin Drilling Rig 14 OWNER same

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>216'</u>	CEMENT
CASING SIZE <u>8 5/8</u>	DEPTH <u>216'</u>	AMOUNT ORDERED <u>165 SKS com</u>
TUBING SIZE	DEPTH	<u>3% cc 2% gel</u>
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	
MEAS. LINE	SHOE JOINT	
CEMENT LEFT IN CSG. <u>25'</u>		COMMON <u>165 SKS</u> @ <u>15.45</u> <u>2549.25</u>
PERFS.		POZMIX @
DISPLACEMENT <u>12.80000</u>		GEL <u>3 SKS</u> @ <u>20.80</u> <u>62.40</u>
		CHLORIDE <u>6 SKS</u> @ <u>58.20</u> <u>349.20</u>
		ASC @

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

423-281 HELPER Lorene

BULK TRUCK

322 DRIVER Jerry

BULK TRUCK

DRIVER

REMARKS:

Cement in cellar

thank you

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

HANDLING 174 SKS @ 2.40 417.60

MILEAGE 106.56/mile 313.20

TOTAL ~~3691.65~~

3691.65

SERVICE

DEPTH OF JOB 216'

PUMP TRUCK CHARGE 1018.00

EXTRA FOOTAGE @

MILEAGE 18 miles @ 2.00 126.00

MANIFOLD @

TOTAL 1144.00

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 Greg Mich

SIGNATURE Greg Mich

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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TW -

ALLIED CEMENTING CO., LLC. 039191

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

SERVICE POINT:
Oakley

DATE <u>2-9-10</u>	SEC <u>36</u>	TWP <u>T3</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>11:00 AM</u>	JOB START <u>12:00</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>Nuss Farms</u>	WELL# <u>1</u>	LOCATION <u>Oakley</u>	<u>1/4 E</u>	COUNTY <u>Logan</u>	STATE <u>KS</u>		
OLD OR (NEW) (Circle one) <u>NEW</u>		<u>S into</u>					

CONTRACTOR Express well service
 TYPE OF JOB Port collar
 HOLE SIZE _____ T.D. _____
 CASING SIZE 4 1/2 DEPTH _____
 TUBING SIZE 2 3/8 DEPTH 2363'
 DRILL PIPE _____ DEPTH _____
 TOOL Port collar DEPTH 2363'
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 8.5 BBL

OWNER same
 CEMENT
 AMOUNT ORDERED 450 SKS 60/40 6.9 gals
4 1/2 Flo-seal
500# hulls on side
used 275 SKS 200# hulls
 COMMON 165 SKS @ 15.45 2549.25
 POZMIX 110 SKS @ 8.00 880.00
 GEL 14 SKS @ 20.80 291.20
 CHLORIDE @ _____
 ASC @ _____

EQUIPMENT
 PUMP TRUCK CEMENTER Andrew
 # 431 HELPER Kelly
 BULK TRUCK
 # 377 DRIVER Wil
 BULK TRUCK
 # 347 DRIVER Fuzzy

Flo-seal 6.9# @ 2.50 172.50
hulls 200# 4 SKS @ 31.85 127.40
 HANDLING 487 SKS @ 2.40 1168.80
 MILEAGE 109 sk/mile 876.60
 TOTAL 6065.75

REMARKS:

Pressure casing to 1200' open port collar
take injection rate mix 275 SKS
Cement with 200# hulls cement
did circulate, close port collar
pressure to 1200' run 5 joints
Reverse clean.

Thank you

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

SERVICE

DEPTH OF JOB 2363'
 PUMP TRUCK CHARGE _____ 1185.00
 EXTRA FOOTAGE @ _____
 MILEAGE 18 miles @ 7.00 126.00
 MANIFOLD @ _____
 TOTAL 1311.00

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 CARLOS JAVIER JIMENEZ
 SIGNATURE Carlos Javier Jimenez

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

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DL

ALLIED CEMENTING CO., LLC. 039184

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

SERVICE POINT:

Oakley

DATE <u>2-3-10</u>	SEC <u>36</u>	TWP <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00pm</u>	JOB FINISH <u>2:00pm</u>
LEASE <u>Nuss Farms</u>	WELL # <u>363</u>	LOCATION <u>Oakley 165 145</u>			COUNTY <u>Logan</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>			SITNO <u>5170</u>				

CONTRACTOR Murfin Drilling Rig 14 OWNER same

TYPE OF JOB Production
 HOLE SIZE 2 7/8 T.D. 4660'
 CASING SIZE 4 1/2 DEPTH 4657'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Port collar DEPTH 2363'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 20'
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 73.73 BBL

EQUIPMENT
 PUMP TRUCK CEMENTER Andrew
 # 431 HELPER Kelly
 BULK TRUCK
 # 377 DRIVER Darrin
 BULK TRUCK
 # DRIVER

CEMENT
 AMOUNT ORDERED 225 sks - Asc 100 salt
20 gal 5" Gilsonite 34 of 100
CD-31 500gal WFR-2

COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC 225 sks @ 18.60 5115.00
salt 25 sks @ 23.95 598.75
GILSONITE 1325# @ .89 1223.25
CD-31 193# @ 9.35 1804.50
WFR-2 500gal @ 1.27 635.00
 HANDLING 362 sks @ 2.40 868.80
 MILEAGE 10 est/mile 251.60

TOTAL 17897.45

REMARKS:

Pump 500gal WFR-2 Plug in H 20sks
Plug RH 30sks mix 225 sks down
4 1/2 casing. Wash pump and line clean
Displace plug 200' LIFT
land plug at 1300'
plug landed float held.

Thank you

SERVICE

DEPTH OF JOB 4657'
 PUMP TRUCK CHARGE 2185.00
 EXTRA FOOTAGE @
 MILEAGE 18 miles @ 7.00 126.00
 MANIFOLD @

TOTAL 2311.00

CHARGE TO: Ritchie Excavation
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

4 1/2
1 Guide shoe @ 73.00
1 AFU INSERT @ 101.00
8 Turbolizers @ 39.00 312.00
4 Baskets @ 147.00 588.00
1 Port collar @ 1673.00
1 Rubber plug 55.00
 TOTAL 2802.00

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 Carlos Javier Jimenez

SIGNATURE Carlos Javier Jimenez

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

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