

8/27/09

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 4767
 Name: Ritchie Exploration, Inc.
 Address: P.O. Box 783188
 City/State/Zip: Wichita, KS 67278-3188
 Purchaser: NCRA
 Operator Contact Person: John Niernberger
 Phone: (316) 691-9500
 Contractor: Name: Pickrell Drilling Co., Inc.
 License: 5123
 Wellsite Geologist: Peter Fiorini
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

5/8/07	6/12/07	6/12/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 135-24609-0000
 County: Ness
 approx. NW NW SE Sec. 19 Twp. 19 S. R. 21 East West
2240 feet from S N (circle one) Line of Section
2239 feet from E W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Gneich P Well #: 2
 Field Name: Schaben
 Producing Formation: Mississippian
 Elevation: Ground: 2279 Kelly Bushing: 2284
 Total Depth: 4434' Plug Back Total Depth: 4434'
 Amount of Surface Pipe Set and Cemented at 235 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 1500' Feet
 If Alternate II completion, cement circulated from 1500'
 feet depth to surface w/ 165 sx cmt.

Drilling Fluid Management Plan ALT INJ 3-409
 (Data must be collected from the Reserve Pit)
 Chloride content 19000 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: 8/27/07
 Subscribed and sworn to before me this 27th day of August,
2007
 Notary Public: Debra K. Phillips
 Date Commission Expires: 5/14/11

KCC Office Use ONLY

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

RECEIVED
 KANSAS CORPORATION COMMISSION
 AUG 27 2007
 CONSERVATION DIVISION
 WICHITA, KS

DEBRA K. PHILLIPS
Notary Public - State of Kansas
My Appt. Expires 5/14/11

Operator Name: Ritchie Exploration, Inc. Lease Name: Gneich P Well #: 2
 Sec. 19 Twp. 19 S. R. 21 East West County: Ness

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 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: Radiation Guard Log Gamma Ray Correlation Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum <p style="text-align: center; font-weight: bold;">SEE ATTACHED</p> <div style="text-align: right; font-size: 1.2em; font-weight: bold; transform: rotate(-15deg);"> KCC AUG 27 2007 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	235	common	160	3%cc, 2% gel
Production	7-7/8	5-1/2	15.5	4407	60/40 pozmix	150	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 (Amount and Kind of Material Used)	Depth
3	4404' - 4409' (Mississippian Perfs) 6/8/07	300 gallons of 20% NE (6/8/07)	
	4409' - 4434' (Mississippian Open hole) 6/12/07	300 gallons of 20% NE (6/12/07)	

TUBING RECORD		Size <u>2-7/8</u>	Set At <u>4400'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>6/29/07</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>6.7</u>	Gas Mct	Water Bbls. <u>135</u>	Gas-Oil Ratio	Gravity <u>38.3</u>

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

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 WICHITA, KS



#2 Gneich P
2240' FSL & 2239' FEL
70'S & 71'E of NW NW SE Section 19-19S-21W
Ness County, Kansas
API# 15-135-24609-00000
Elevation: 2279' GL, 2284' KB

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<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	1492'	+792	+2
B/Anhydrite	1527'	+757	+1
Heebner	3649'	-1465	+2
Lansing	3797'	-1513	+3
BKC	4109'	-1825	-1
Pawnee	4217'	-1933	+1
Fort Scott	4292'	-2008	+6
Cherokee Shale	4309'	-2025	+5
Miss. Osage	4399'	-2115	+11
RTD	4405'	-2121	

RECEIVED
KANSAS CORPORATION COMMISSION
AUG 27 2007
CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

30353

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

SERVICE POINT:

*Amelia City
Great Bend*

DATE 5-21-07	SEC. 19	TWP. 19	RANGE 21	CALLED OUT 8:00 AM	ON LOCATION 10:00 AM	JOB START 10:30 AM	JOB FINISH 12:00 PM
LEASE Hornich	WELL # 2	LOCATION Bazine South East			COUNTY Ness	STATE Ka	
OLD OR (NEW) (Circle one)			1/2 north 1/2 west				

CONTRACTOR **H.E.D. Well-Service**

TYPE OF JOB **Port collar**

HOLE SIZE _____ T.D. **4405'**

CASING SIZE **5 1/2** DEPTH **4403'**

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL **Port collar** DEPTH **1500'**

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT **X**

OWNER **Ritchie**

CEMENT AMOUNT ORDERED **250 cu yds 6 1/2 5/8 6 7/8 gel**

1/4" flo seal (used 165 cu cement)

COMMON	107.44	@	11.10	1187.20
POZMIX	58.00	@	6.20	359.60
GEL		@		
CHLORIDE		@		
ASC		@		
FLOSEAL	41.4	@	2.00	82.80
		@		
		@		
		@		
		@		
		@		
HANDLING	265.00	@	1.90	503.50
MILEAGE	265.00	@	09.16	2416.80
TOTAL				2514.90

EQUIPMENT

PUMP TRUCK # _____ CEMENTER **J.D. Drilling**

HELPER **Jim Weighouse**

BULK TRUCK # _____ DRIVER **Don Dugan**

BULK TRUCK # _____ DRIVER _____

REMARKS:

*Test to 500' held
Open Port collar
mixed 165 cu cement, circ 10-15
ex to pit. Reverse circulate clean
Run in tubings Reverse out clean*

SERVICE

DEPTH OF JOB **1500'**

PUMP TRUCK CHARGE **955.00**

EXTRA FOOTAGE @ _____

MILEAGE **16** @ **6.00** **96.00**

MANIFOLD **yes** @ **85.00** **85.00**

@ _____

@ _____

CHARGE TO: **Ritchie Exploration**

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL **1136.00**

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *[Signature]*

Thank you!

PRINTED NAME **-J.W.-**

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AUG 27 2007

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC. 23911

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

SERVICE POINT:
Ht Bend

DATE <u>5-15-07</u>	SEC. <u>19</u>	TWP. <u>19</u>	RANGE <u>21</u>	CALLED OUT <u>2:00AM</u>	ON LOCATION <u>5:15AM</u>	JOB START <u>8:15AM</u>	JOB FINISH <u>9:00AM</u>
LEASE <u>P</u>	WELL # <u>2</u>	LOCATION <u>Bozema 5S 1E 1/2W</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)				<u>1/2W 5S</u>			

CONTRACTOR Pickrell Dalg #10 OWNER _____

TYPE OF JOB Production String

HOLE SIZE 7 7/8 T.D. 4405

CASING SIZE 5 1/2 DEPTH 4403

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL Port Collar DEPTH 1500

PRES. MAX 1000 MINIMUM _____

MEAS. LINE _____ SHOE JOINT 23

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 105 1/2

EQUIPMENT _____

PUMP TRUCK # 120 CEMENTER Delwayne

BULK TRUCK # 342 DRIVER Steve

BULK TRUCK # _____ DRIVER _____

CEMENT	AMOUNT ORDERED	<u>500 gal. ASF</u>
	<u>165 6 3/4 10% salt 2 1/2 gal</u>	
	<u>3/4 1 1/2 100-31 w/ Reframer</u>	
COMMON	<u>9 gal</u>	@ <u>11.10</u> <u>109.90</u>
POZMIX	<u>66 gal</u>	@ <u>6.20</u> <u>409.20</u>
GEL	<u>3 gal</u>	@ <u>16.65</u> <u>49.95</u>
CHLORIDE		@ _____
ASC		@ _____
	<u>500 GAL ASF</u>	@ <u>1.00</u> <u>500.00</u>
	<u>ACA-31 166 #</u>	@ <u>7.50</u> <u>1245.00</u>
	<u>SALT 9 gal</u>	@ <u>19.20</u> <u>172.80</u>
	<u>D-10AM 26 #</u>	@ <u>7.20</u> <u>187.20</u>
		@ _____
		@ _____
		@ _____
HANDLING	<u>180 gal</u>	@ <u>1.90</u> <u>342.00</u>
MILEAGE	<u>180 mi</u>	@ <u>09 16</u> <u>259.20</u>
		TOTAL <u>3814.25</u>

REMARKS:

New 15 50 #
circ 5 1/2 casing pump, find bottom,
open shoe, circ 15 min, ab mix
500 gal ASF, Plug R.H., mix 1505x
cont, washed up, Drop plug w/
105 1/2 AB, found plug 1000 #
Released, held
Thanks

SERVICE

DEPTH OF JOB	<u>4403</u>	
PUMP TRUCK CHARGE		<u>1675.00</u>
EXTRA FOOTAGE	@ _____	
MILEAGE	<u>1.16</u>	@ <u>600</u> <u>96.00</u>
MANIFOLD	@ _____	
<u>HEAD RENTAL</u>	@ <u>100.00</u>	<u>100.00</u>
	@ _____	
		TOTAL <u>1876.00</u>

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1-5 1/2 Rubber Plug</u>	@ <u>65.00</u>	<u>65.00</u>
<u>1- " Basket Shoe</u>	@ <u>1550.00</u>	<u>1550.00</u>
<u>1 " AFLL</u>	@ <u>260.00</u>	<u>260.00</u>
<u>1 Larson Port Collar</u>	@ <u>1750.00</u>	<u>1750.00</u>
<u>2 Basket Co</u>	@ <u>165.00</u>	<u>330.00</u>
<u>4 Centaligars</u>	<u>50.00</u>	<u>200.00</u>
		TOTAL <u>4155.00</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Bennie Dille

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME -Su-

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CONSERVATION DIVISION
WICHITA KS

ALLIED CEMENTING CO., INC.

30621

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

SERVICE POINT:

Great Bend

DATE <u>5-8-07</u>	SEC. <u>19</u>	TWP. <u>19</u>	RANGE <u>21</u>	CALLED OUT <u>7:00 PM</u>	ON LOCATION <u>8:30 PM</u>	JOB START <u>10:30 pm</u>	JOB FINISH <u>11:00 pm</u>
LEASE <u>Unleak P</u>	WELL # <u>2</u>	LOCATION <u>Bagline 5 south 1 east</u>			COUNTY <u>Texas</u>	STATE <u>Kan</u>	
OLD OR (NEW) (Circle one)			<u>1/2 month</u>				

CONTRACTOR Pickrell
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 240'
 CASING SIZE 8 3/4 DEPTH 235'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 14 BBLs

OWNER Ritchie Exploration

CEMENT
 AMOUNT ORDERED 160 cx Common
3% CC 2% Gel

COMMON	<u>160 cx.</u>	@	<u>11.10</u>	<u>1776.00</u>
POZMIX		@		
GEL	<u>3 M.</u>	@	<u>16.65</u>	<u>49.95</u>
CHLORIDE	<u>5 M.</u>	@	<u>46.60</u>	<u>233.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>168.00</u>	@	<u>1.90</u>	<u>319.20</u>
MILEAGE	<u>168.44</u>	@	<u>09 16 11</u>	<u>250.00</u>
TOTAL				<u>2628.15</u>

EQUIPMENT
UB
 PUMP TRUCK CEMENTER R.D. Drailing
 # 120 HELPER Quame West
 BULK TRUCK
 # 357 DRIVER David Juergensen
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
Ran 8 3/4 casing to Bottom
Circ. w/ pig mud. Hook to pump bit
& mixed 160 cx common 3% cc
2% gel. Shut down change valves
over 9 & release 8 3/4 TWP. Stoppage with
14 BBLs fresh H₂O. Cement did cure.
Shut in manifold.

SERVICE

DEPTH OF JOB	<u>235'</u>		
PUMP TRUCK CHARGE			<u>813.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>16</u>	@	<u>6.00</u> <u>96.00</u>
MANIFOLD		@	
Headrental		@	<u>100.00</u> <u>100.00</u>
		@	
TOTAL <u>1011.00</u>			

CHARGE TO: Ritchie Exploration Inc
 STREET P.O. Box 783188
 CITY Wichita STATE Kansas ZIP 67278-3188

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE X Mike Kern

PLUG & FLOAT EQUIPMENT

<u>1-8 3/4 TWP</u>	@	<u>60.00</u>	<u>60.00</u>
	@		
	@		
	@		
	@		
TOTAL <u>60.00</u>			

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS
 SIGNATURE X Mike Kern
 PRINTED NAME _____

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