

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

ORIGINAL

8/27/09

Form ACO-1
September 1999
Form Must Be Typed

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 Niemberger
 Phone: (316) 691-9500 **KCC**
 Contractor Name: Pickrell Drilling Co., Inc. **AUG 27 2007**
 License: 5123
 Wellsite Geologist: Peter Fiorini **CONFIDENTIAL**

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW 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. _____

<u>4/30/07</u>	<u>5/19/07</u>	<u>519/07</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 135-24610-0000
 County: Ness
 approx. W/2 SW NW Sec. 30 Twp. 19 S. R. 21 East West
1986 feet from S N (circle one) Line of Section
440 feet from E W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Moore D/P Twin Well #: 1
 Field Name: Schaben
 Producing Formation: Mississippian
 Elevation: Ground: 2264 Kelly Bushing: 2269
 Total Depth: 4388 Plug Back Total Depth: 4388
 Amount of Surface Pipe Set and Cemented at 236 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 1489 Feet
 If Alternate II completion, cement circulated from 1489
 feet depth to surface w/ 170 sx cmt.

Drilling Fluid Management Plan **AKINS 3/4/09**
 (Data must be collected from the Reserve Pit)
 Chloride content 22000 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,
 20 07.
 Notary Public: Debra K Phillips
 Date Commission Expires: 5-4-11

KCC Office Use ONLY

Y 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

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

Operator Name: Ritchie Exploration, Inc. Lease Name: Moore D/P Twin Well #: 1
 Sec. 30 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	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum <p style="text-align: center; font-size: 1.2em;">SEE ATTACHED</p> <p style="text-align: center; font-size: 1.5em;">KCC AUG 27 2007 CONFIDENTIAL</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	236	common	160	3%cc, 2% gel
Production	7-7/8	5-1/2	15.5	4362.5	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
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
	4362.5' - 4388' (Mississippian Open hole) (5/19/07)	700 gallons 20% NE (5/22/07 & 5/23/07)	

TUBING RECORD		Size <u>2-7/8</u>	Set At <u>4358'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>5/29/07</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>10</u>	Gas Mcf	Water Bbls. <u>115</u>	Gas-Oil Ratio	Gravity <u>32.9</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) _____

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KANSAS CORPORATION COMMISSION

AUG 27 2007

CONSERVATION DIVISION
WICHITA, KS



#1 Moore D-P Twin
1986' FNL & 440' FWL
Section 30-19S-21W
Ness County, Kansas
API#15-135-24610-0000
Elevation: 2264' GL 2269' KB

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	1478'	+792	-1
B/Anhydrite	1511'	+760	+1
Heebner	3728'	-1459	flat
Lansing	3775'	-1506	+2
BKC	4087'	-1818	flat
Pawnee	4194'	-1925	+2
Fort Scott	4270'	-2001	+8
Cherokee Shale	4289'	-2020	+7
Miss. Osage	4363'	-2094	+2
RTD	4369'	-2100	

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KANSAS CORPORATION COMMISSION

AUG 27 2007

CONSERVATION DIVISION
WICHITA, KS

P.O. Box 783188
Wichita, Kansas 67278-3188

(316) 691-9500
Fax (316) 691-9550
rei@ritchie-exp.com

8100 E. 22nd St. N., Bldg. 700
Wichita, Kansas 67226-2328

ALLIED CEMENTING CO., INC.

30618

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

SERVICE POINT: Great Bend
Andover
5-1-07

DATE <u>4-30-07</u>	SEC. <u>30</u>	TWP. <u>19</u>	RANGE <u>21</u>	CALLED OUT <u>8:00PM</u>	ON LOCATION <u>10:00PM</u>	JOB START <u>4:30AM</u>	JOB FINISH <u>5:00AM</u>
LEASE <u>D-PTWIN</u>		WELL # <u>1</u>		LOCATION <u>Bagina 5 1/2 south</u>		COUNTY <u>Texas</u>	STATE <u>Kansas</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Pickrell Drilling
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4" T.D. 241'
 CASING SIZE 8 7/8" 23' DEPTH 241'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 14.3 BBLs

EQUIPMENT
Ness
 PUMP TRUCK CEMENTER Bob Jauchling
 # 224 HELPER Jim Weighous
 BULK TRUCK
 # 357 DRIVER Steve Turley
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Ran 8 7/8 casing to Bottom
Circulate with rig mud
Hook up to pump tank & mixed
160 of Common 3% cc 2% gel.
Shut down change valves open &
release 8 7/8 TWP & displace with
14.3 BBLs H₂O. Cement did circulate.

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

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

OWNER Ritchie Exploration Inc.
 CEMENT
 AMOUNT ORDERED 160 of Common
3% CC 2% Gel
 COMMON 160 lb. @ 11.10 1776.00
 POZMIX _____ @ _____ _____
 GEL 3 lb. @ 16.65 49.95
 CHLORIDE 5 lb. @ 46.60 233.00
 ASC _____ @ _____ _____
 _____ @ _____ _____
 _____ @ _____ _____
 _____ @ _____ _____
 _____ @ _____ _____
 HANDLING 168 lb. @ 1.90 319.20
 MILEAGE 168 1/4 09 16 # 250.00
 TOTAL 2628.15

SERVICE

DEPTH OF JOB 241'
 PUMP TRUCK CHARGE _____ 815.00
 EXTRA FOOTAGE _____ @ _____ _____
 MILEAGE 16 @ 6.00 96.00
 MANIFOLD _____ @ _____ _____
Head rental @ 100.00 100.00
 _____ @ _____ _____

TOTAL 1016.00

PLUG & FLOAT EQUIPMENT

1-8 7/8 TWP @ 60.00 60.00
 _____ @ _____ _____
 _____ @ _____ _____
 _____ @ _____ _____
 _____ @ _____ _____
 TOTAL 60.00

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE X Mike Kern
 PRINTED NAME _____

Thank you!

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 KANSAS CORPORATION COMMISSION
 AUG 27 2007
 CONSERVATION DIVISION
 WICHITA KS

ALLIED CEMENTING CO., INC. 23903

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

SERVICE POINT:
At Bend

DATE <u>5-7-07</u>	SEC <u>30</u>	TWP <u>19</u>	RANGE <u>21</u>	CALLED OUT <u>7:00AM</u>	ON LOCATION <u>10:15AM</u>	JOB START <u>1:30pm</u>	JOB FINISH <u>2:30pm</u>
MOORE O/D LEASE <u>twinn</u>	WELL # <u>1</u>	LOCATION <u>Bagua 5 1/2 S 1/4 E</u>			COUNTY <u>Wagon</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Pickwell Drilling #10

TYPE OF JOB Production Strings

HOLE SIZE 7 7/8 T.D. 4363

CASING SIZE 5 1/2 DEPTH 4363

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL Port Collar DEPTH 1489

PRES. MAX 1000 MINIMUM _____

MEAS. LINE _____ SHOE JOINT 19 85

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 108

EQUIPMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 165 60/40

10' salt 2 1/2" H₂O

3/4" 1 1/2" CD-31 500gal ASF

COMMON	<u>99wt.</u>	@	<u>11.10</u>	<u>1098.90</u>
POZMIX	<u>66wt.</u>	@	<u>6.20</u>	<u>409.20</u>
GEL	<u>3 wt.</u>	@	<u>16.65</u>	<u>49.95</u>
CHLORIDE		@		
ASC		@		
<u>500gal ASF</u>		@	<u>1.00</u>	<u>500.00</u>
<u>3/4" 1 1/2" CD-31 106 #</u>		@	<u>7.50</u>	<u>795.00</u>
<u>salt</u>	<u>914</u>	@	<u>19.20</u>	<u>172.80</u>
<u>D-Foam</u>	<u>26 #</u>	@	<u>7.20</u>	<u>187.20</u>
		@		
		@		
		@		
		@		
HANDLING	<u>180gal</u>	@	<u>1.90</u>	<u>342.00</u>
MILEAGE	<u>180gal of 16</u>			<u>259.20</u>
TOTAL				<u>3814.25</u>

REMARKS:

New 15" #

circ 5 1/2 casing, neg pump, set cas,

drop ball open tri. plug, circ 5 1/2 casing

neg pump, mix 500gal ASF, salt water

spacer, Plug Rth, mix 150x Cement, Replene

plug, Drop plug 108 88L, Release

Weld

Thanks

SERVICE

DEPTH OF JOB 4363

PUMP TRUCK CHARGE 1675.00

EXTRA FOOTAGE @ _____

MILEAGE 16 @ 6.00 96.00

MANIFOLD @ _____

LEAN RENTAL @ 100.00 100.00

TOTAL 1871.00

CHARGE TO: Ritchie Exploration Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1- Rubber Plug</u>	<u>15.00</u>	<u>15.00</u>
<u>1- 5 1/2 Tri. Plug</u>	@	<u>150.00</u>
<u>1- " AFIL</u>	@	<u>260.00</u>
<u>1 " Larson Port Collar</u>	@	<u>1750.00</u>
<u>2 " Brackets</u>	@	<u>165.00</u>
<u>4 " Cantalizers</u>	@	<u>50.00</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.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Bennie Dille

PRINTED NAME JL

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KANSAS CORPORATION COMMISSION
AUG 27 2007
CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC. 23907

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

SERVICE POINT:
H. Bernd

DATE <i>5-10-07</i>	SEC <i>30</i>	TWP <i>19S</i>	RANGE <i>21W</i>	CALLED OUT <i>8:00AM</i>	ON LOCATION <i>10:00AM</i>	JOB START <i>11:30am</i>	JOB FINISH <i>1:15 pm</i>
LEASE <i>Moore DP</i>	WELL # <i>1</i>	LOCATION <i>Bayone 5 1/2 S 1/4 E 1/4 W</i>			COUNTY <i>Neosho</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *H-D Well Services*

TYPE OF JOB *Part Collar*

HOLE SIZE _____ T.D. _____

CASING SIZE _____ DEPTH _____

TUBING SIZE *2 3/8* DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL *Part Collar* DEPTH *1489*

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED _____

300 6 5/8 6 7/8 1/4" 7 1/2 Seal ports used 170 cu ft

COMMON <i>111</i>	@ <i>11.10</i>	<i>1232.10</i>
POZMIX <i>59</i>	@ <i>6.20</i>	<i>365.80</i>
GEL _____	@ _____	_____
CHLORIDE _____	@ _____	_____
ASC _____	@ _____	_____
<i>7 1/2 Seal 43</i>	@ <i>2.00</i>	<i>86.00</i>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <i>320</i>	@ <i>1.90</i>	<i>608.00</i>
MILEAGE <i>16</i>	@ <i>9.320</i>	<i>460.80</i>
TOTAL		<i>2752.70</i>

EQUIPMENT

PUMP TRUCK CEMENTER *J. Weyhous*

181 HELPER *Randy*

BULK TRUCK

357 DRIVER *Don*

BULK TRUCK

_____ DRIVER _____

REMARKS:

rent 500 # H&L, open part collar mix 170 cu cement, 10 cu into pit, Rev. case clean, run in 10' to, Rev out clean.

Thanks

SERVICE

DEPTH OF JOB *1489*

PUMP TRUCK CHARGE *955.00*

EXTRA FOOTAGE @ _____

MILEAGE *16* @ *6.00* *96.00*

MANIFOLD *Neos* @ *85.00*

_____ @ _____

_____ @ _____

TOTAL *1136.00*

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL *0*

CHARGE TO: *Ritchie's Exploration*

STREET _____

CITY _____ STATE _____ ZIP _____

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 _____

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WICHITA, KS