

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

**CONFIDENTIAL**

**ORIGINAL**

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address: PO Box 783188

City/State/Zip: Wichita, Kansas 67278-3188

Purchaser: NCRA

Operator Contact Person: Rocky Milford

Phone: (316) 691-9500

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Jeff Christian

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. \_\_\_\_\_

02-22-03 03-02-03 4/8/03

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 135-24208-00-00

County: Ness County, Kansas

W/2 W/2 NE Sec. 30 Twp. 19 S. R. 21  East  West

1330 feet from S / (N) (circle one) Line of Section

2215 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 B/P Well #: 8

Field Name: Schaben

Producing Formation: Mississippian

Elevation: Ground: 2285' Kelly Bushing: 2294'

Total Depth: 4389' Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 308 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1475' Feet

If Alternate II completion, cement circulated from 1475'

feet depth to surface w/ 235 sx cmt.

Drilling Fluid Management Plan See Well B-15-03  
(Data must be collected from the Reserve Pit)

Chloride content 29,000 ppm Fluid volume 1150 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: [Signature]

Title: Production Manager Date: 5/16/03

Subscribed and sworn to before me this 16<sup>th</sup> day of May

2003  
Notary Public: Karen Hopper

Date Commission Expires: \_\_\_\_\_

**KAREN HOPPER**  
Notary Public - State of Kansas  
My Appt. Expires 10/27/03

**KCC Office Use ONLY**

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: Ritchie Exploration, Inc. Lease Name: Moore B/P Well #: 8

Sec. 30 Twp. 19 S. R. 21  East  West County: Ness County, Kansas

**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  Yes  No  
(Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy)

List All E. Logs Run:  
Radiation Guard

Log Formation (Top), Depth and Datum  Sample  
Name Top Datum  
See attached

CASING RECORD <input 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	# Sacjs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23#	308'	Common	190	3%cc 2%gel
Production	7-7/8"	5-1/2"	17#	4387'	60/40 Poz	150	10%salt 2%gel

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
		1500 gal 7.5% acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	4374'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr. 4/8/03 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	33		142		

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

CONFIDENTIAL



ORIGINAL

KCC

MAY 20 2003

CONFIDENTIAL

RELEASED  
FROM  
CONFIDENTIAL

#8 Moore B/P  
1330' FNL & 2215' FEL  
Section 30-19S-21W  
Ness County, Kansas  
Schaben Field  
API#15-135-24208-0000  
Duke Drilling Rig #4  
Field Geologist: Jeff Christian  
Office Geologist: Rocky Milford  
Staked Elevation: 2,285' GL 2,294' KB

RECEIVED

MAY 22 2003

KCC WICHITA

**DRILLING REPORT**

Electric Log Tops

Anhydrite	1501'	+793
B/Anhydrite	1533'	+761
Heebner	3757'	-1463
Toronto	3772'	-1478
Lansing	3804'	-1510
B/KC	4114'	-1820
Pawnee	4218'	-1924
Ft. Scott	4298'	-2004
Cherokee	4317'	-2023
Miss. Osage	4385'	-2091
LTD	4391'	-2097

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

(316) 691-9500  
Fax (316) 691-9550  
[rei@ritchie-exp.com](mailto:rei@ritchie-exp.com)

8100 E. 22<sup>nd</sup> St. N., Bldg. 700  
Wichita, Kansas 67226-2328

CONFIDENTIAL

STATE OF KANSAS - CORPORATION COMMISSION  
PRODUCTION TEST & GOR REPORT

RECEIVED

MAY 22 2003

ORIGINAL

KCC WICHITA Form C-5 Rev.

Conservation Division

TYPE TEST:  Initial  Annual  Workover  Reclassification TEST DATE:

Company: Ritchie Exploration, Inc. Lease: Moore R/P Well No.: 8

County: Ness Location: W/2 W/2 NE Section: 30 Township: 19 Range (E/W): 21W Acres:

API Well Number: 15-135-24,208 Reservoir(s): Mississippi Gas Pipeline Connection:

Completion Date: 4/8/03 Type of Completion (Describe): Open Hole Plug Back T.D.: Packer Set At:

Lifting Method: None  Pumping Gas Lift ESP Type Liquid: oil API Gravity of Liquid/Oil: 38.7

Casing Size: 5 1/2" Weight: 17# ID: 4.387' Perforations: n/a To:

Tubing Size: 2 7/8" Weight: 6.5# ID: 4.374' Perforations: n/a To:

Pretest Starting Date: Time: AM/PM Ending Date: Time: AM/PM

Test Starting Date: 5/14/03 Time: AM/PM Ending Date: 5/14/03 Time: AM/PM

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size						
Casing:	Psig	Tubing:	Psig							
Bbls./In.	Stock Tank		Starting Gauge		Ending Gauge	Net API Bbls.				
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:									142	33
Test:										

GAS PRODUCTION OBSERVED DATA

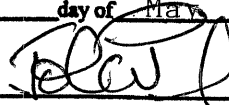
Orifice Meter Connections (Yes/No)			Orifice Meter Range					Static Pressure:		
Pipe Taps:	Flange Taps:		Differential:							
Type Measuring Device	Entry Size	Orifice Size	Meter-Prover-Tester Pressure					Diff. Press. (h <sub>w</sub> ) or (h <sub>d</sub> )	Gas Gravity (G <sub>p</sub> )	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (P <sub>d</sub> )	%CO <sub>2</sub>	H <sub>2</sub> Sppm			
Orifice Meter										
Critical Flow Prover										
MERLA Well Tester										

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (F <sub>1</sub> ) (F <sub>2</sub> )	Meter-Prover Press. (P <sub>ma</sub> ) (P <sub>ms</sub> )	Press. Extension $\sqrt{h_w \cdot P_m}$	Gravity Factor (F <sub>g</sub> )	Flowing Temp. Factor (F <sub>t</sub> )	Deviation Factor (F <sub>pr</sub> )	Sqr. Rt. Chart Factor (F <sub>d</sub> )

Gas Prod. MCFD Flow Rate (R): Oil Prod. Bbls./Day: Gas/Oil Ratio (GOR) = Cubic Feet per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this 16th day of May 19 2003



For Offset Operator

For Commission

For Company

John C. Niernberger (Rev. 10/96)  
Ritchie Exploration, Inc.

CONFIDENTIAL

# ALLIED CEMENTING CO., INC.

ORIGINAL  
7869

Federal Tax I.D.# [REDACTED] MAY 22 2003

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

KCC WICHITA

SERVICE POINT: Near City

DATE <u>2-22-03</u>	SEC. <u>30</u>	TWP. <u>19</u>	RANGE <u>21</u>	CALLED OUT <u>10:15AM</u>	ON LOCATION <u>12:00pm</u>	JOB START <u>2:00pm</u>	JOB FINISH <u>2:45pm</u>
<u>Moore B.P. LEASE</u>	WELL# <u>8</u>	LOCATION <u>Bagline 55 1/2 E 1/2 S</u>			COUNTY <u>Near</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				RELEASED			

CONTRACTOR Duke Only #4  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 309  
 CASING SIZE 8 3/8 DEPTH 308.  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 19 BBL.

OWNER \_\_\_\_\_ FROM **CONFIDENTIAL**

CEMENT AMOUNT ORDERED 190 Corn 3%cc 2%Hel.

COMMON	<u>190cc</u>	@	<u>6.65</u>	<u>1263.50</u>
POZMIX		@		
GEL	<u>4 set</u>	@	<u>10.00</u>	<u>40.00</u>
CHLORIDE**	<u>6.04</u>	@	<u>30.00</u>	<u>180.00</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>200mt</u>	@	<u>1.10</u>	<u>220.00</u>
MILEAGE	<u>16</u>			<u>128.00</u>

EQUIPMENT MAY 20 2003

PUMP TRUCK # 224 CEMENTER J. Weighman HELPER Burr  
 BULK TRUCK # 341 DRIVER Don  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL 1831.50

REMARKS:

SERVICE

Circ 8 3/8 cas w/ ring pump  
Mix 190 cc Corn 3%cc 2%Hel  
Deep Plug w. 19 BBL.  
Plug Down pm.  
Completed Circ  
Thanks

DEPTH OF JOB	<u>308.</u>			
PUMP TRUCK CHARGE				<u>520.00</u>
EXTRA FOOTAGE	<u>8</u>	@	<u>.50</u>	<u>4.00</u>
MILEAGE	<u>16</u>	@	<u>3.00</u>	<u>48.00</u>
PLUG <u>2-Cupwood</u>		@	<u>45.00</u>	<u>45.00</u>
		@		
		@		

TOTAL 617.00

CHARGE TO: Ritchie Explor  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			

TOTAL \_\_\_\_\_

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 2448.50  
 DISCOUNT 244.85 IF PAID IN 30 DAYS  
N 2203 65

SIGNATURE Carlet D Rank

PRINTED NAME Carlet D Rank

CONFIDENTIAL

# ALLIED CEMENTING CO., INC.

ORIGINAL 6089

Federal Tax I.D. #

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

MAY 22 2003

SERVICE POINT:

Dr Bend

KCC WICHITA

DATE <u>3-7-03</u>	SEC.	TWP.	RANGE	CALLED OUT <u>8:00AM</u>	ON LOCATION <u>11:00AM</u>	JOB START <u>11:30AM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>Moore</u>	WELL # <u>B-P #8</u>	LOCATION <u>Bozine S5, 1/2E, 5/10th</u>			COUNTY <u>Neosho</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)				<b>RELEASED FROM CONFIDENTIAL</b>			

CONTRACTOR H & D Well Service KCC OWNER Same TYPE OF JOB Port Callon **CONFIDENTIAL**

HOLE SIZE	T.D.	CEMENT
CASING SIZE <u>5 1/2"</u>	DEPTH	AMOUNT ORDERED <u>325 sh 6 5/8 6 7/8 Mel</u>
TUBING SIZE <u>2 1/2"</u>	DEPTH <u>1475'</u>	<u>4 # flared/sh</u>
DRILL PIPE	DEPTH	<u>4 sh Mel, (used 235 sh cement)</u>
TOOL <u>Port Callon</u>	DEPTH <u>1475'</u>	
PRES. MAX <u>500'</u>	MINIMUM	
MEAS. LINE	SHOE JOINT	
CEMENT LEFT IN CSG.		
PERFS.		
DISPLACEMENT		

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Tom P</u>
# <u>181</u>	HELPER <u>Bob B</u>
BULK TRUCK	
# <u>344</u>	DRIVER <u>Stewart</u>
BULK TRUCK	
#	DRIVER

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
<u>ALW 235 sh</u>	@	<u>6.30</u>	<u>1480.50</u>
<u>FLO SEAL 59 #</u>	@	<u>1.40</u>	<u>82.60</u>
	@		
	@		
HANDLING	@	<u>1.10</u>	<u>378.40</u>
MILEAGE	@	<u>16</u>	<u>220.16</u>
			TOTAL <u>2161.66</u>

REMARKS:

Found Port Callon @ 1475'. Loaded Hole. Pressured to 250#. Mixed 4 parts Mel Slurry. Opened Port Callon. Mixed 235 sh 6 5/8, 6 7/8 Mel, 4 # flared/sh and circulated cement to surface. Displaced 7 1/2 bbls in tubing. Closed Port Callon. Pressured to 500#. Held. Washed tubing out. Non sets and washed tubing out. Finished.

SERVICE

DEPTH OF JOB <u>1475'</u>		
PUMP TRUCK CHARGE		<u>650.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>16</u>	@	<u>3.00</u> <u>48.00</u>
PLUG	@	
	@	
	@	
TOTAL <u>698.00</u>		

CHARGE TO: Rite-Rite Exploration  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL _____			

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	<u>2859.66</u>	
DISCOUNT	<u>285.97</u>	JIF PAID IN 30 DAYS
		<u>N 2573.69</u>
SIGNATURE	<u>[Signature]</u>	PRINTED NAME
		<u>John Fiorini</u>

Witnessed by [Signature]  
[Signature]

CONFIDENTIAL

ORIGINAL

# ALLIED CEMENTING CO., INC.

6128

Federal Tax I.D.# [REDACTED]

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

KCC

SERVICE POINT:

Neos City

MAY 20 2003

DATE <u>3-3-03</u>	SEC. <u>30</u>	TWP. <u>19</u>	RANGE <u>21 W</u>	CALLED OUT <u>CONFIDENTIAL pm</u>	ON LOCATION <u>3:30 am</u>	JOB START <u>9:00 am</u>	JOB FINISH <u>9:57 am</u>
LEASE <u>Moore</u>	WELL # <u>BP#8</u>	LOCATION <u>Bazine - 4 south -</u>	COUNTY <u>RELEASED</u>		STATE <u>RELEASED</u>		
OLD OR (NEW) (Circle one)			<u>1/2 East - South 7/8 foot into</u>		FROM		

CONTRACTOR Duke #4  
 TYPE OF JOB long string 5 1/2  
 HOLE SIZE 7 7/8 T.D. 4389  
 CASING SIZE 5 1/2 DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1100 lbs MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. approx 17' shoe jts  
 PERFS.  
 DISPLACEMENT 105 BBLs

OWNER Ritchie Exploration **CONFIDENTIAL**

CEMENT  
 AMOUNT ORDERED 11.5 sk 60/40 2% gel  
410 20 salt 4000 gal of flush

EQUIPMENT

PUMP TRUCK CEMENTER Tack  
 # 224 HELPER Tim  
 BULK TRUCK  
 # 342 DRIVER Don  
 BULK TRUCK  
 # DRIVER

COMMON	<u>99 yd.</u>	@	<u>6.65</u>	<u>658.35</u>
POZMIX	<u>66 yd.</u>	@	<u>3.55</u>	<u>234.30</u>
GEL	<u>3 qt.</u>	@	<u>10.00</u>	<u>30.00</u>
CHLORIDE		@		
SALT	<u>771 #</u>	@	<u>.17</u>	<u>131.07</u>
		@		
AS FLUSH	<u>500 GAL</u>	@	<u>1.00</u>	<u>500.00</u>
		@		
HANDLING	<u>183 net</u>	@	<u>1.10</u>	<u>201.30</u>
MILEAGE	<u>183 net 04 16</u>			<u>117.12</u>
TOTAL				<u>1872.14</u>

### REMARKS:

Run 110 jts of 5 1/2 csg - circ 30 min  
 with Rig - mix 570 gal mud flush -  
 cement Bath hole with 15 sk cement  
 hook up to csg & cement with 150 sk  
 cement - Release plug & Displace with  
 105 BBLs of fresh water - insert  
 Dick hole -  
Thanks

### SERVICE

DEPTH OF JOB	<u>4389'</u>			
PUMP TRUCK CHARGE				<u>1195.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>16</u>	@	<u>3.00</u>	<u>48.00</u>
PLUG	<u>1-5 1/2 Rubber</u>	@	<u>60.00</u>	<u>60.00</u>
		@		
		@		
TOTAL				<u>1303.00</u>

CHARGE TO: Ritchie Exploration  
 STREET  
 CITY STATE ZIP

### FLOAT EQUIPMENT

4-5 1/2 centralizers	@	<u>50.00</u>	<u>200.00</u>
1-5 1/2 port collar	@	<u>1750.00</u>	<u>1750.00</u>
1-5 1/2 Basket guide shoe	@	<u>1300.00</u>	<u>1300.00</u>
1-5 1/2 Basket	@	<u>128.00</u>	<u>128.00</u>
1-5/8" INSERT	@	<u>235.00</u>	<u>235.00</u>
TOTAL <del>3613.00</del> <u>3613.00</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 \$ 679.74  
 DISCOUNT 679.74 IF PAID IN 30 DAYS  
\$ 0.00

SIGNATURE Bennie Dills

PRINTED NAME