

CONFIDENTIAL

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

4/3/14

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3188
Contact Person: John Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 5123
Name: Pickrell Drilling Co., Inc.
Wellsite Geologist: Max Lovely
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., 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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

<u>2/7/12</u>	<u>2/15/12</u>	<u>2/15/12</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 135-25355-00-00
Spot Description: 20' S & 60' W
W/2 - NW - - - - - Sec. 30 Twp. 19 S. R. 21 East West
1,340 Feet from North / South Line of Section
600 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ness
Lease Name: Moore D/P Well #: 8
Field Name: _____
Producing Formation: Mississippian Osage
Elevation: Ground: 2276 Kelly Bushing: 2286
Total Depth: 4457 Plug Back Total Depth: 4434
Amount of Surface Pipe Set and Cemented at: 218 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1432 Feet
If Alternate II completion, cement circulated from: 1432
feet depth to: surface w/ 400 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 22600 ppm Fluid volume: 900 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

CONFIDENTIAL

APR 03 2014

APR 04 2012

KCC WICHITA

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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: 4/3/12

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 4-3-12 to 4-3-14
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: MS Date: 4-11-12

Operator Name: Ritchie Exploration, Inc. Lease Name: Moore D/P Well #: 8
 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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Compensated Density/Neutron Log Dual Induction 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>
---	---

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	218	common	165	3% cc, 2% gel
Production	7-7/8	5-1/2	15.5	4455	60/40 Poz	150	10% salt, 2% gel, 1/4% CD1-26

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
4	4374.8' -4380.8' (3/1/12)		

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>4402'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>3/9/12</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>30</u>	Gas Mcf	Water Bbls. <u>58.</u>
		Gas-Oil Ratio	Gravity <u>38.6</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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <p style="text-align: center; font-size: 1.2em; font-weight: bold;">CONFIDENTIAL</p>
---	--	--

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202 APR 03 2014

KCC

RECEIVED
APR 04 2012
KCC WICHITA



#8 Moore D/P

1340' FNL & 600' FWL

20'S & 60'W of W/2 NW Section 30-19S-21W

Ness County, Kansas

API# 15-135-25355-0000

Elevation: 2276' GL, 2286' KB

Sample Tops			Ref. Well
Anhydrite	1488'	+798	+13
B/Anhydrite	1518'	+768	+15
Heebner	3742'	-1456	+7
Lansing	3793'	-1507	+7
Muncie Shale	3944'	-1658	+8
Stark Shale	4037'	-1751	+5
Hush.	4073'	-1787	+2
BKC	4101'	-1815	+5
Marmaton	4125'	-1839	+5
Pawnee	4208'	-1922	+6
Fort Scott	4281'	-1995	+15
Cherokee Shale	4301'	-2015	+12
Mississippian	4370'	-2084	+12
RTD	4457'	-2171	

RECEIVED

APR 04 2012

KCC WICHITA

CONFIDENTIAL

APR 03 2014

KCC

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

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

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



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 33920

LOCATION OKM-01

FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

ENTERED

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-23-12	7173	D.P. Moore #8	30	19S	21W	Woods
CUSTOMER Ritchie Exploration			Bazine 4125 e:n			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Josh G		
STATE			439	Cathy H		
ZIP CODE						

JOB TYPE Backside HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2 15.5
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Ritchie location (no rig). Press 455 to 400* + shut in. Mix 75 sks 60/40 69 gal down Backside Press to 425* + shut in.

Thanks Fuzzy & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405A	1	PUMP CHARGE	835.00	835.00
5406	25	MILEAGE	5.00	125.00
5407	3.23 ton	Ton mileage Delivery (min)	410.00	410.00
1131	75	60/40 pos	15.10	1132.50
118B	387*	Bentonite	.25	96.75
		subtotal		2599.25
				2599.25
		RECEIVED		2339.33
		APR 04 2012		
		KCC WICHITA		
		248012	SALES TAX	69.71
			ESTIMATED TOTAL	2409.04

Ravin 3737

Carlow

CONFIDENTIAL

AUTHORIZATION _____

TITLE _____

APR 03 2012

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

KCC

[Signature]



CONSOLIDATED
Oil Well Services, LLC



TICKET NUMBER 33853
LOCATION Oakley, KS
FOREMAN Kelly Gabel
Walt Dinkle

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-14-12	7173	#8 Moose D-2	30	19	21	Ness
CUSTOMER <u>Ritchie Expl.</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS			41/2 S	399	Damon M	
CITY STATE ZIP CODE			E into	566	Cody R	

JOB TYPE Prod HOLE SIZE 7/4 HOLE DEPTH 4598 CASING SIZE & WEIGHT 5 1/2 15.5#
 CASING DEPTH 4460 DRILL PIPE _____ TUBING _____ OTHER PC @ 1432-
 SLURRY WEIGHT 143 SLURRY VOL 1.27 WATER gal/sk 5.8 CEMENT LEFT in CASING 21
 DISPLACEMENT 106 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, Rigged up on Pickrel drilling. Brake
Circulation & circulated 1 hr. Plugged ^{30SKS} ^{30SKS} ~~at 2 MIT~~, Prepped 5 bbl water,
500 gal mud flush, 5 bbl water. Mixed 150SKS 60/40 Poz 108 sch
29 gel 1/4 of 190 CDI 26, Washed pumps & lines, Release plug & displaced
with 106 1/2 bbl water, 800 # lit pressure, Plug landed @ 1200 # floatheld

Thank You
Kelly & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3025 ⁰⁰	3025 ⁰⁰
5406	25	MILEAGE	5 ⁰⁰	125 ⁰⁰
1131	200SKS	60/40 Poz	15 ¹⁰	3020 ⁰⁰
1118B	344#	Bentonite	.25	86 ⁰⁰
1111	960#	SOIT	.45	432 ⁰⁰
1137	43#	CDI-26	964	41652
5407	8.6	Ton Mileage delivery (min)	162	410 ⁰⁰
1144G	500gal	Mud flush	1 ⁰⁰	500 ⁰⁰
4454	1	5 1/2 latch down assembly	303 ⁰⁰	303 ⁰⁰
4130	5	5 1/2 Centralizers	58 ⁰⁰	290 ⁰⁰
4104	2	5 1/2 baskets RECEIVED	276 ⁰⁰	552 ⁰⁰
4285	1	5 1/2 Port collar APR 04 2012	2075 ⁰⁰	2075 ⁰⁰
4203	1	5 1/2 Guide shoe	193 ⁰⁰	193 ⁰⁰
4406	1	5 1/2 Rubber Plug KCC WICHITA	88 ⁰⁰	88 ⁰⁰
Sub Total 11,515 ⁶² Less 1090 DISC 1151 ⁵²				Total Less Tax 10,364 ¹⁰
247869			SALES TAX	431 ⁰⁰
			ESTIMATED TOTAL	10815 ²⁰

Ravin 3737

8:15 AM AUTHORIZATION Gan Rowe

TITLE _____ DATE 2-14-12

CONFIDENTIAL

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

KCC

TR



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 36262
LOCATION EUREKA & OAKLEY
FOREMAN KEVIN MCCOY

O. Box 894, Chanute, KS 66720
620-431-9210 or 800-467-8876

FIELD TICKET & TREATMENT REPORT

CEMENT ARE # N/A

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-17-12	7173	D.P. Moore #8	30	19S	21W	MESS
CUSTOMER Ritchie Exploration Inc			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 783188			520	John S.		
CITY	STATE	ZIP CODE	528 T127	Wes F.		OAKLEY
Wichita	Ks	67278				

JOB TYPE Port Collar O HOLE SIZE 7 7/8 HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2
 CASING DEPTH _____ DRILL PIPE _____ TUBING 2 7/8 OTHER _____
 SLURRY WEIGHT 13.2* SLURRY VOL 114 BBL WATER gal/sk 7.8 CEMENT LEFT in CASING 0
 DISPLACEMENT 7 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Port Collar Set @ 1432'. Rig up to 2 7/8 Tbg. Pressure Casing to 1200 psi. Release Pressure. Open Port Collar. Mixed 400 sks 60/40 Pozmix Cement w/ 6% Gel, 1/4" FloSeal, 300" Halls. Lost Circulation while mixing Cement. (Had 250 sks mixed when we lost Circulation) Displace w/ 7 BBL water. Close Port Collar. Pressure Casing to 1200 psi. Release Pressure. Ran 5 Jts Tbg. Back wash w/ 20 BBL water. 5 1/2 ID Clean. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 B	1	PUMP CHARGE	1695.00	1695.00
5406	25	MILEAGE	5.00	125.00
1131	400 sks	60/40 Pozmix Cement	15.10	6040.00
1118 B	2065*	Gel 6%	.25	516.25
1107	100*	FloSeal 1/4"	2.82	282.00
1105	300*	Halls	.55	165.00
5407 A	17.2 Tons	25 miles Bulk Delv.	1.67	718.10
			RECEIVED	
			APR 04 2012	
			KCC WICHITA	
			Subtotal	9541.35
			Less 10%	998.21
				8543.08
			SALES TAX 6.3%	441.01
			ESTIMATED TOTAL	8984.29

Revin 3737

AUTHORIZATION

Gary Rowe

THANK YOU
241925
CONFIDENTIAL

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

KCC

TR

ALLIED CEMENTING CO., LLC. 042405

Fed ...

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

SERVICE POINT:

Great Bend, KS
2-9-12

DATE <u>2-7-12</u>	SEC <u>30</u>	TWP. <u>19</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 PM</u>	JOB FINISH <u>2:00 PM</u>
LEASE <u>Moore DP</u> WELL # <u>46</u>				LOCATION <u>Bozice, KS 5 1/2 S. East</u>		COUNTY <u>Ness</u>	STATE <u>Kansas</u>
OLD OR NEW (Circle one) <u>NEW</u>				INTO			

CONTRACTOR Pickwell Drilling Rig # 1

OWNER Ritchie Exploration, INC.

TYPE OF JOB Surface

CEMENT

HOLE SIZE 12 1/4 T.D. 223

AMOUNT ORDERED 165 gals Class A 34-cc

CASING SIZE 8 5/8 DEPTH 223

24 gel

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

COMMON 165 @ 16.25 2,681.25

POZMIX @

GEL 3 @ 21.25 63.75

CHLORIDE 6 @ 58.20 349.20

ASC @

@

@

@

@

@

@

@

HANDLING 174 @ 2.25 391.50

MILEAGE 174 x 17 x .11 325.38 344.00

TOTAL 3,702.30

DISPLACEMENT 13.24

EQUIPMENT

PUMP TRUCK CEMENTER Greg R. / Dustin L.

398 HELPER John P.

BULK TRUCK

341 DRIVER Jimmy H.

BULK TRUCK

DRIVER

REMARKS:

Pipe on bottom, break circulation with rig mud
Hook up cement pump, mix 165 gals Class A 34-cc
24 gel & then displace 13.24 BBL of freshwater
shut in
cement did circulate
Plug Pump & disassemble
Rig Down

SERVICE

DEPTH OF JOB @ 223

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE Hum 34 @ 7.00 238.00

MANIFOLD @

Hum 34 @ 4.00 136.00

@

TOTAL 1499.00

CHARGE TO: Ritchie Exploration, INC.

STREET

CITY STATE ZIP

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 A Mike Kern

SIGNATURE X Mike Kern

Thank You !!

SALES TAX (If Any) 20

TOTAL CHARGES 5,201.20

10% 20% DISCOUNT 1,399.24

IF PAID IN 30 DAYS

3,801.96

CONFIDENTIAL

APR 03 2014

KCC

RECEIVED
APR 04 2012
KCC WICHITA

