

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

9/9/10

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  
 Contractor: Name: L.D. Drilling, Inc.  
 License: 6039  
 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. \_\_\_\_\_  

5/16/08	5/21/08	5/22/08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 167-23510-0000  
 County: Russell  
 approx. NE NW SW Sec. 7 Twp. 15 S. R. 13  East  West  
2310 feet from (S) N (circle one) Line of Section  
946 feet from E / (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW (SW)  
 Lease Name: Maag P Twin Well #: 2  
 Field Name: \_\_\_\_\_  
 Producing Formation: LKC  
 Elevation: Ground: 1874 Kelly Bushing: 1879  
 Total Depth: 3325' Plug Back Total Depth: 3288'  
 Amount of Surface Pipe Set and Cemented at 207 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set 1791 Feet  
 If Alternate II completion, cement circulated from 1791  
 feet depth to surface w/ 450 sx cmt.

Drilling Fluid Management Plan AP # NH11-2008  
 (Data must be collected from the Reserve Pit)  
 Chloride content 53000 ppm Fluid volume 1000 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: 9/9/08  
 Subscribed and sworn to before me this 9th day of September  
2008  
 Notary Public: [Signature]  
 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

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 SEP 10 2008

CONSERVATION DIVISION  
 WICHITA, KS

Operator Name: Ritchie Exploration, Inc. Lease Name: Maag P Twin Well #: 2  
 Sec. 7 Twp. 15 S. R. 13  East  West County: Russell

**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:  <b>Radiation Guard Log</b>	<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>
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WICHITA, KS

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#	207	common	150	3%cc, 2% gel
Production	7-7/8	5-1/2	15.5#	3316	60/40 pozmix	175	10% salt, 2% gel & 3/4# CD31

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
	Note: 3316.5' - 3323' (Arbuckle OH) 6/28/08 - CIBP at 3288' (6/30/08)	none	
4	3266'-3270' (LKC-K), 3238' - 3242' & 3232' - 3234' (LKC-J) 6/30/08	500 gals 15% NE, 900 gals 15% NE - 7/1/08	
4	3130' - 3133' (LKC-F), 3122' - 3125' (LKC-E) - 6/30/08	1000 gals 15% NE - 7/1/08	
4	3089' - 3093' (LKC-C), 3073' - 3076' (LKC-B) - 6/30/08	500 gals 15% NE - 7/1/08	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8	3284'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 7/16/08			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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	4		92		38

Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease     
  Open Hole    Perf.    Dually Comp.    Commingled \_\_\_\_\_  
*(If vented, Submit ACO-18.)*       Other (Specify) \_\_\_\_\_



**#2 Maag P Twin**

2310' FSL & 946' FWL

44'W of C NE NW SW Section 7-15S-13W

Russell County, Kansas

API# 15-167-23510-0000

Elevation: 1874' GL, 1879' KB

<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	855'	+1024	N/A	
B/Anhydrite	887'	+992	N/A	
Tarkio	2545'	-666	N/A	
Topeka	2751'	-872	-7	
Heebner Shale	2985'	-1106	+4	
Lansing	3052'	-1173	+3	
BKC	3305'	-1426	+3	
Arbuckle	3317'	-1438	+5	
RTD	3325'	-1446		

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CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., LLC. 34692

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

SERVICE POINT: Russell

DATE <u>5-27-08</u>	SEC <u>7</u>	TWP. <u>15</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 p.m.</u>	JOB FINISH <u>2:00 p.m.</u>
LEASE <u>Max Stein</u>		WELL # <u>2</u>	LOCATION <u>Russells Winterset Rd</u>	COUNTY <u>Russell</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)			<u>2E 1/2" <del>3E</del> into</u>				

CONTRACTOR Steve's Well Service  
 TYPE OF JOB Port Collar  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 5/2 DEPTH \_\_\_\_\_  
 TUBING SIZE 2 7/8 DEPTH \_\_\_\_\_  
 DRILL PIPE Paulsons DEPTH Chris P.  
 TOOL Port Collar Tool DEPTH 170  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 8RL  
 EQUIPMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT  
 AMOUNT ORDERED 675 @ 40 670 lbs  
148FB

PUMP TRUCK CEMENTER Chaz  
 # 366 HELPER Matt  
 BULK TRUCK  
 # 478 DRIVER Rocky  
 BULK TRUCK  
 # 345 DRIVER Chris B.

COMMON	<u>405</u>	@ <u>12.15</u>	<u>4920.75</u>
POZMIX	<u>270</u>	@ <u>6.80</u>	<u>1836.00</u>
GEL	<u>35</u>	@ <u>18.25</u>	<u>638.75</u>
CHLORIDE		@	
ASC		@	
Flo Seal	<u>169 lb</u>	@ <u>2.20</u>	<u>371.80</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>710</u>	@ <u>2.05</u>	<u>1455.50</u>
MILEAGE	<u>SK/ml/09</u>		<u>958.50</u>
TOTAL			<u>10181.30</u>

REMARKS:

Pressure plug to 800 ps New  
Open tool & break circulation. Mixed  
6.5 sk of cement. Cement circulated  
Run 10 joints wash clean. Pressure Plug  
to 800ps.  
Pull Tools

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1045.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>15</u>	@ <u>7.00</u>	<u>105.00</u>
MANIFOLD	@		
	@		
	@		
TOTAL			<u>1150.00</u>

CHARGE TO: Ritchie  
 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 \_\_\_\_\_  
 SIGNATURE Bennie Dille

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

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 CONSERVATION DIVISION  
 WICHITA, KS

RL

# ALLIED CEMENTING CO., LLC. 34688

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

SERVICE POINT:  
Russell

DATE <u>5-22-08</u>	SEC <u>7</u>	TWP. <u>15</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00am</u>	JOB FINISH <u>10:30am</u>
LEASEE <u>Magnum</u>	WELL # <u>2</u>	LOCATION <u>Russell 85 to Winterset @</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>2E 1 1/2 v Auto</u>					

CONTRACTOR L.D.

TYPE OF JOB Production String

HOLE SIZE \_\_\_\_\_ T.D. 3325

CASING SIZE 5 1/2 15.5# DEPTH 33106

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL Port Collar DEPTH 1791

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 19.99

CEMENT LEFT IN CSG. 19.99

PERFS. \_\_\_\_\_

DISPLACEMENT 79.82

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 190 6940 10% Salt

500gal WFR-2 290 Gal

34 126 (2.5)

COMMON	<u>114</u>	@	<u>12.15</u>	<u>1385.10</u>
POZMIX	<u>76</u>	@	<u>6.80</u>	<u>516.80</u>
GEL	<u>3</u>	@	<u>18.25</u>	<u>54.75</u>
CHLORIDE		@		
ASC		@		
<u>Salt</u>	<u>16</u>	@	<u>21.00</u>	<u>336.00</u>
<u>CD-31</u>	<u>123 lbs</u>	@	<u>8.20</u>	<u>1008.60</u>
<u>WFR-2</u>	<u>500</u>	@	<u>1.10</u>	<u>550.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>209</u>	@	<u>2.05</u>	<u>428.45</u>
MILEAGE	<u>SK/mil 09</u>			<u>376.20</u>
TOTAL				<u>4653.90</u>

EQUIPMENT

PUMP TRUCK CEMENTER Craig

# 366 HELPER Matt

BULK TRUCK \_\_\_\_\_

# 410 DRIVER Rocky

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

153K Rathole

Insert Set @ 3295

Plug Landing 4500 PSI. Rev?

Released Dry.

CHARGE TO: Ritchie Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

*Thanks!*

To Allied Cementing Co., LLC.  
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PRINTED NAME Bob Forini

SIGNATURE [Signature]

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE 1763.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 20 @ 7.00 140.00

MANIFOLD @ \_\_\_\_\_

TOTAL 1903.00

(5 1/2) PLUG & FLOAT EQUIPMENT

1 Guide shoe Blue 186.00

1 AFV Insert @ 285.00

5 Turboizers @ 77.00 385.00

3 baskets @ 181.00 543.00

1 Sol. v Rubber Plug @ 76.00 76.00

1 Larson Brit Collar @ 197 197.00

TOTAL 3387.00

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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WICHITA, KS

*[Handwritten mark]*

# ALLIED CEMENTING CO., LLC. 30226

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

SERVICE POINT:  
Russell  
5-17-2008

DATE <u>5-16-08</u>	SEC. <u>7</u>	TWP. <u>15</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START <u>12:01 AM</u>	JOB FINISH <u>12:30 AM</u>
LEASE <u>MAAG TWIN</u>	WELL # <u>2</u>	LOCATION <u>Russell South To Barton</u>			COUNTY <u>Russell</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		Co. line <u>3N 1 1/2 E 1 1/2 N 4 E 1/2</u>					

CONTRACTOR L-D DRILL RIG #

TYPE OF JOB Cement Surface

HOLE SIZE 12 1/4 T.D. 210'

CASING SIZE 8 5/8 DEPTH 207'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 12/BBL

EQUIPMENT

PUMP TRUCK CEMENTER GILMY

# 398 HELPER BOB

BULK TRUCK

# 396 DRIVER DOUG

BULK TRUCK

# DRIVER

OWNER

CEMENT

AMOUNT ORDERED 150 sk Com.

2.8 GEL

3.2 CC

COMMON	<u>150</u>	@	<u>12.15</u>	<u>1822.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>18.25</u>	<u>54.75</u>
CHLORIDE	<u>5</u>	@	<u>51.00</u>	<u>255.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>158</u>	@	<u>2.05</u>	<u>323.90</u>
MILEAGE	<u>54 mi/109</u>			<u>284.90</u>
TOTAL				<u>2740.55</u>

REMARKS:

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>893.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>20</u>	@	<u>7.00</u>
MANIFOLD	@		
	@		
	@		
TOTAL <u>1033.00</u>			

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Wiper Plug</u>			<u>66.00</u>
	@		
	@		
	@		
	@		
TOTAL <u>66.00</u>			

CHARGE TO: RITCHIE EXPLORATION

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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PRINTED NAME Bill Owen

SIGNATURE Bill Owen

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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