

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

**CONFIDENTIAL**

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 Nierberger  
Phone: (316) 691-9500  
Contractor: Name: \_\_\_\_\_  
License: \_\_\_\_\_  
Wellsite Geologist: \_\_\_\_\_

API No. 15 - 065-22, 590 - 0001  
County: Graham  
100" N of N/2 SW Sec. 7 Twp. 6 S. R. 21  East  West  
2080' feet from (S) N (circle one) Line of Section  
1240' feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: White Well #: 3  
Field Name: New Boys  
Producing Formation: Oread B, Toronot, LKC, Conglomerate

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Elevation: Ground: 2215' Kelly Bushing: 2220'  
Total Depth: 3770' Plug Back Total Depth: 3751'  
Amount of Surface Pipe Set and Cemented at 250 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If Yes, show depth set 1855' Feet

If Workover/Re-entry: Old Well Info as follows:  
Operator: RITCHIE EXPLORATION  
Well Name: WHITE 3  
Original Comp. Date: 11/29/90 Original Total Depth: 3770'  
 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. \_\_\_\_\_  
03/29/04 03/30/04 04/02/04  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

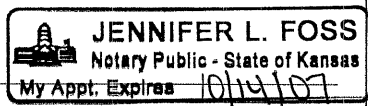
If Alternate II completion, cement circulated from 1855'  
feet depth to surface w/ 280 sx cmt.  
ALT II WITH 11-29-06

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
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: 06/28/04  
Subscribed and sworn to before me this 28 day of June,  
20 04.  
Notary Public: Jennifer L. Foss  
Date Commission Expires: 10-14-07



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

# ORIGINAL

Side Two

Operator Name: Ritchie Exploration, Inc. Lease Name: White Well #: 3  
 Sec. 7 Twp. 6 S. R. 21  East  West County: Graham

**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)

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

List All E. Logs Run:

R A Guard Log

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CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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"	28#	250'	60/40 poz	180	2% gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3769'	60/40 poz	115	10% salt, 3% gilsonite

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
4	3398.3-3403.3' (Oread B) 03/30/04	750 gallons, 15% NE	
4	3500-3502' (LKC) 03/30/04	500 gallons, 28% NE	
4	3703.8-3711.8 (Conglomerate) 03/30/04	1000 gallons, 15% NE	
3	3450.5-3454' (LKC) 12/90	750 gallons, 15% NE	
3	3466.5-3470 (LKC) 12/90	750 gallons, 15% NE	

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TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	3747'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 04/06/04			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
	8		27		

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) \_\_\_\_\_

DRILL STEM TESTS

DST #1 from 3362' to 3381' (Oread "A").  
Recovered 2' of mud.  
IFP:28-28#/30"; ISIP:28#/30";  
FFP:28-28#/30"; FSIP:28#/30".

DST #2 from 3392' to 3412' (Oread "B").  
Recovered 20' of free oil and 130' of  
water.  
IFP:57-57#/30"; ISIP:269#/30";  
FFP:76-86#/45"; FSIP:269#/45".

DST #3 from 3416' to 3459' (Toronto).  
Recovered 130' of heavy oil cut mud (50%  
oil, 50% mud).  
IFP:67-76#/30"; ISIP:269#/45";  
FFP:86-96#/30"; FSIP:269#/45".

DST #4 from 3567' to 3628' (140', 160',  
& 180' zones). Recovered 10' of oil cut  
mud (10% oil, 90% mud).  
IFP:86-86#/30"; ISIP:192#/30";  
FFP:86-86#/30"; FSIP:134#/30".

DST #5 from 3630' to 3660' (200'-220'  
zones). Recovered 25' of slightly oil  
cut mud (5% oil).  
IFP:67-67#/30"; ISIP:625#/30";  
FFP:76-76#/30"; FSIP:423#/30".

DST #6 from 3684' to 3743' (Cgl. sand - Arbuckle). Recovered 10' of free  
oil; 180' oil cut watery mud (20% oil, 30% water, 50% mud); and 120' of  
water. 310' total fluid.  
IFP:105-125#/30"; ISIP:990#/45";  
FFP:163-173#/30"; FSIP:903#/45".

<u>SAMPLE TOPS</u>		Ref. Well
Anhydrite	1868' (+ 352)	+3
B/Anhydrite	1899' (+ 321)	+3
Topeka	3234' (-1014)	-5
Heebner	3425' (-1205)	-10
Toronto	3452' (-1232)	-5
Lansing	3466' (-1246)	-7
B/KC	3657' (-1437)	-10
Cgl. sand	3707' (-1487)	-10
Arbuckle	3734' (-1514)	n/a
RTD	3770' (-1550)	

<u>ELECTRIC LOG TOPS</u>	
Anhydrite	1867' (+ 353) +4
B/Anhydrite	1899' (+ 321) +3
Topeka	3235' (-1015) -6
Heebner	3426' (-1206) -11
Toronto	3450' (-1230) -3
Lansing	3466' (-1246) -7
B/KC	3657' (-1437) -10
Cgl. sand	3706' (-1486) -9
*Arbuckle	3735' (-1515) n/a
LTD	3771' (-1551)

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CC

25 2004

Phone 913-483-2627, Russell, Kansas  
Phone 316-793-5861, Great Bend, Kansas

OCT 90

1002328

Phone Plainville  
Phone Ness City

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31  
Russell, Kansas 67665

Date	10-21-90	Sec.	7	Twp.	6 <sup>s</sup>	Range	21 <sup>w</sup>	Called Out	3:30 P.M.	On Location	7:00 P.M.	Job Start	8:35 P.M.	Fin.	9 P.M.
Lease	White	Well No.	3	Location				Boque 12N 2W 3/4S 3/8 E		County	Graham	State	Ks.		
Contractor	Munfin Drlg. Co.		Rig #		8										
Type Job	Set Surface Pipe														
Hole Size	12 1/4"		T.D.	253'											
Csg.	8 7/8"		Depth	250											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum	-											
Meas Line			Displace	X											
Perf.															

### EQUIPMENT

Pumptrk	No.	Cementer	Gary H. Wayne Mc
	191	Helper	
Pumptrk	No.	Cementer	Glen C
		Helper	
Bulktrk	#212	Driver	
Bulktrk		Driver	

Owner: Same  
 To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.  
 Attn: John Niernberger  
 Ritchie Exploration, Inc.  
 1705 Anthony Drive  
 Hays, KS 67601  
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. Shel Dallett  
 X  
**CEMENT**

Amount Ordered	180 sks 6 1/4 doz 2 bagel, 3 1/2 c.c	
Consisting of		
Common	108 sks @ 2.25/sk	\$567.00
Poz. Mix	72 sks @ 2.25/sk	162.00
Gel.	3 sks	N/C
Chloride	5 sks @ 21.00/sk	105.00
Quickset		

Handling	21.00/sk (180 sks)	180.00
Mileage	2.034/sk/mi. (42 mi.)	226.80
Sub. Total		\$1240.80
Total		

Floating Equipment Thanks  
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DEPTH of Job	Reference: #1	Pumptruck-surface	\$380.00
		1-8 7/8" rubber plug	63.00
	#13	mileage @ 2.00/mi.	84.00
		Sub Total	527.00
		Tax	
		Total	

Remarks: Cement Circulated  
 NOV 01 1990

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

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1 0 0 2 4 8 0

Phone Pl...  
 Phone Ness...  
 JUL 28 2004

**ALLIED CEMENTING CO., INC.**  
 Home Office P. O. Box 31  
 Russell, Kansas 67665

CONFIDENTIAL

Date	10-29-90	Sec.	7	Twp.	6 <sup>s</sup>	Range	21 <sup>w</sup>	Called Out	6:00 A.M.	On Location	8:00 A.M.	Job Start	1:00 P.M.	1:45
Lease	White	Well No.	3	Location	Boque 12N2W1/2S1/4E				County	Graham	State	Ks.		
Contractor	Murfin Drilling Co.	Rig #	8	Owner	Same									
Type Job	Production String													
Hole Size	7 7/8"	T.D.	3770'											
Csg. Size	5 1/2"	Depth	3769'											
Csg. Size	8 7/8"	Depth	250'											
Drill Pipe		Depth												
Tool	Part Collar (Baker)	Depth	1855'											
Cement Left in Csg.	12'	Shoe Joint	12.31'											
Press Max.	1100 #	Minimum												
Meas Line	X	Displace	RECEIVED											
Perf.	JUL 28 2004													

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.

Charge To: Alta John Nierenberger  
Ritchie Exploration, Inc.  
 Street: 1705 Anthony Drive  
 City: Hays State: Ks 67601

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. [Signature]

**EQUIPMENT KCC WICHITA**

Pumptrk	No.	Cementer	Gary H.
	191	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	#212	Driver	Glen C.
		Driver	

Amount Ordered	140 sks 60/40 per 10% salt, 30 Gilson
Consisting of	500 gal WFR <sub>2</sub> mud flush
Common	84 sks @ 5.25/sk \$441.00
Poz. Mix	56 sks @ 2.25/sk 126.00
Gel.	
Chloride Salt	14 sks @ 4.75/sk 66.50
Equivalent Gilsonite	363 # @ 3.34/1b 119.79
WFR <sub>2</sub>	500 gal @ 50¢/gal 250.00
Sales Tax	
Handling	2.00/sk (140 sks) 140.00
Mileage	2.034/sk/mi (42 mi) 176.40
Sub Total	1319.69
Total	

<b>DEPTH of Job</b>		
Reference #	Description	Amount
#1	Pump truck - long string	\$880.00
#13	mileage @ 2.00/mi	84.00
	1-5 1/2" rubber plug	45.00
	Sub Total	\$1009.00
	Tax	
	Total	

NOV 11 1990

Remarks: Float Held.  
 Plugged rat hole w/15 sks.  
 Plugged mouse hole w/10 sks.

Thanks

Floating Equipment	5 1/2"
1-regular guide shoe	125.00
1-AFU insert (Plapper type)	189.00
1-cementing basket	127.00
1-turbo centralizers #53.25 ea	319.50
1-part collar (Baker)	1785.00
Total	\$2545.50

*New*

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

Date <i>11-7-90</i>	Sec. <i>7</i>	Twp. <i>6<sup>s</sup></i>	Range <i>21<sup>w</sup></i>	Called Out <i>7:00 A.M.</i>	On Location <i>10:00 A.M.</i>	Job Start <i>2:00 P.M.</i>
Lease <i>White</i>	Well No. <i>3</i>	Location <i>Boque 12N2W 1/2 3 1/4 E</i>			County <i>Graham</i>	
Contractor <i>Martin Drlg.</i>				Owner <i>Same</i>		
Type Job <i>Port Collar</i>				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 listed.		
Hole Size <i>7 7/8"</i>	T.D. <i>3770'</i>		Attn: <i>John Niernberger</i>			
Csg. <i>5 1/2"</i>	Depth <i>3769'</i>		Charge To <i>Ritchie Exploration, Inc.</i>			
Tbg. Size <i>2 1/2"</i>	Depth		Street <i>1705 Anthony Drive</i>			
Surface Drill Pipe <i>8 7/8"</i>	Depth <i>250'</i>		City <i>Hays</i> State <i>Ks. 67601</i>			
Tool <i>Port Collar (Baker)</i>	Depth <i>1855'</i>		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.	Shoe Joint		Purchase Order No. <i>[Signature]</i>			
Press Max. <i>1000 #</i>	Minimum		X <i>[Signature]</i>			
Meas Line	Displace <i>X</i>		CEMENT			
Perf.						

### EQUIPMENT

No.	Cementer	
Pumptrk <i>191</i>	Helper	<i>Gary H. Wajda Mc.</i>
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Ed K.</i>
Bulktrk <i>#146</i>		
Bulktrk	Driver	

Amount Ordered <i>315 sks @ 30 per bagel.</i>	
Consisting of	
Common <i>158 sks @ 5.25/sk</i>	<i># 829.50</i>
Poz. Mix <i>157 sks @ 2.25/sk</i>	<i>353.25</i>
Gel. <i>11 sks @ 6.75/sk (Used 16 sks)</i>	<i>74.25</i>
Chloride	
Quickset	
	Sales Tax
Handling <i>@ 1.00/sk (315 sks)</i>	<i>315.00</i>
Mileage <i>@ 0.34/sk/mi (42 mi)</i>	<i>396.90</i>
	Sub Total <i># 1968.90</i>
	Total

DEPTH of Job		
Reference: <i>#5 Pumptruck-port collar</i>		<i># 475.00</i>
<i>#13 mileage @ 2.00/mi</i>		<i>84.00</i>
<i>NOV 26 1990</i>	Sub Total	<i># 559.00</i>
	Tax	
	Total	

Floating Equipment *Thanks*

Remarks: *Cement Circulated, with 500 # max. pressure white mixing. Port collar opened & closed ok. and held.*

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