

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: KCC WICHITA
License: _____

Wellsite Geologist: _____
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: 11-08-85 Original Total Depth: 3747'
____ 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>03/23/04</u>	<u>03/24/04</u>	<u>03/26/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 065-22, 247 - 0002
County: Graham
NE NE SW SW Sec. 7 Twp. 6 S. R. 21 East West
2310' feet from (S) N (circle one) Line of Section
2310' 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 #: 2
Field Name: Boys West

Producing Formation: Oread B, Toronto, LKC
Elevation: Ground: 2202' Kelly Bushing: 2207'
Total Depth: 3747' Plug Back Total Depth: 3701'
Amount of Surface Pipe Set and Cemented at 261' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1860' Feet
If Alternate II completion, cement circulated from 1860'
feet depth to surface w/ 350 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) Alt II W Hm
8-20-07
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: [Signature]
Title: Production Manager Date: 06/28/04
Subscribed and sworn to before me this 28 day of June
20 04
Notary Public: [Signature]
Date Commission Expires: 10-14-07

JENNIFER L. FOSS
Notary Public - State of Kansas
My Appt. Expires 10/14/07

KCC Office Use ONLY
Deuy Letter of Confidentiality Received
If Denied, Yes Date: 8-30-04 DPW
Wireline Log Received _____
Geologist Report Received _____
UIC Distribution _____

ORIGINAL

Side Two

Operator Name: Ritchie Exploration, Inc. Lease Name: White Well #: 2
 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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(See Attached Page)		
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:	R A Guard Log			

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#	261'	Quickset	170	2% gel, 3%CC
Production	7 7/8"	5 1/2"	14#	3728'	Pozmix	120	10% salt, 3% gilsonite

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	3433.8-3436.3' (Toronto) 3/25/04	1500 gallons, 28% NE	
*****	Drilled out CIBP 3442' 3/24/04		
2	3499-3501', 3483-3487-, 3450-3454' (LKC) 11/85	2250 gallons, 28% NE	
3	3379.3-3382.3,(Oread B) 9/90	450 gallons, 15% NE	
3	3365.8-3367.8 (Oread A) 9/90--Pkr 3375'	350 gallons, 15% NE	

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TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 7/8"	3375'	3375'		
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
4/17/04			<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	
	3		140			

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify)

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

DST #1 from 3360' to 3400' (Lower Topeka). Recovered 120' of gas in pipe, 60' of heavy frothy oil, 300' of gassy oil and mud cut water, and 1070' of water.
 IFP:133-483#/15"; ISIP:1132#/30";
 FFP:565-637#/15"; FSIP:1121#/30".

DST #2 from 3406' to 3465' (Toronto & Top zone). Recovered 120' of gas in pipe, 150' of gassy oil cut mud, and 315' of heavy oil cut mud. IFP:102-174#/30"; ISIP:493#/30"; FFP:216-216#/30"; FSIP:493#/30".

DST #3 from 3474' to 3510' (35' & 50' zones). Recovered 620' of clean gassy oil and 560' of gas in pipe.
 IFP:92-133#/30"; ISIP:349#/30";
 FFP:226-246#/30"; FSIP:339#/30".

DST #4 from 3509' to 3520' (70' zone). Recovered 2' of mud. IFP:30-30#/30"; ISIP:30#/30";
 FFP:30-30#/30"; FSIP:30#/30".

DST #5 from 3561' to 3620' (140', 160', and 180' zones). Recovered 5' of mud.
 IFP:41-41#/30"; ISIP:41#/30";
 FFP:41-41#/30"; FSIP:41#/30".

DST #6 from 3615' to 3650' (200' and 220' zones). Recovered 5' of slightly oil cut mud.
 IFP:61-61#/30"; ISIP:195#/45";
 FFP:61-61#/30"; FSIP:133#/45".

DST #7 from 3670' to 3708' (Cong. sand). Recovered 5' of mud.
 IFP:51-51#/30"; ISIP:51#/30";
 FFP:51-51#/30"; FSIP:51#/30".

DST #8 from 3702' to 3724' (2nd cong. sand zone) with straddle packers. Recovered 5' of mud, no show of oil.
 IFP:41-41#/30"; ISIP:41#/30";
 FFP:41-41#/30"; FSIP:41#/30".

SAMPLE TOPS	Ref. Well	
	A	B
Anhydrite	1859' (+ 348)	-10 -1
B/Anhydrite	1892' (+ 315)	-11 -3
Topeka	3220' (-1013)	-13 -4
Heebner	3412' (-1205)	-16 -10
Toronto	3438' (-1231)	-17 -4
Lansing	3455' (-1248)	-17 -9
B/KC	3646' (-1439)	-20 -12
Cong. sand	3696' (-1489)	n/a -9
Gr. Wash.	3742' (-1535)	-62 -24
RTD	3747' (-1540)	

ELECTRIC LOG TOPS

Anhydrite	1857' (+ 350)	-8 +1
B/Anhydrite	1889' (+ 318)	-8 flat
Topeka	3216' (-1009)	-9 flat
Heebner	3408' (-1201)	-12 -6
Toronto	3433' (-1226)	-12 +1
Lansing	3450' (-1243)	-12 -4
B/KC	3638' (-1431)	-12 -4
Cong. sand	3688' (-1481)	n/a -1
2nd Cong. sd.	3714' (-1507)	n/a n/a
Gr. Wash.	not logged	
LTD	3746' (-1539)	

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Phone 913-483-227, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Kiowa 316-825-4618

New

ALLIED CEMENTING CO., INC.

No 1130

Home Office P. O. Box 31

Russell, Kansas 67665

Date	11-2-85	Sec.	7	Twp.	6 ^s	Range	21 ^w	Called Out	6:00 A.M.	On Location	8:15 A.M.	Job Start	8:30 A.M.	Finish	9:30 A.M.
Lease	White	Well No.	2	Location				18 ⁺ 24 JCT 12N2W ¹ / ₂ E			County	Graham	State	Ks	
Contractor	Leon's Drlg Service														
Type Job	Port Collar														
Hole Size	7 7/8"	T.D.	3747'												
Csg. Size	5 1/2"	Depth	3728'												
Tbg. Size	2 1/2"	Depth													
Drill Pipe															
Tool	Baker Port Collar	Depth	1856'												
Cement Left in Csg.															
Press Max.	1500 #	Shoe Joint													
Meas Line															
Perf.															

Owner Same

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.

Charge To A. Scott Ritchie

Street 125 N. Market, Suite 950

City Wichita State Ks 67202

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

Purchase Order No.

X Tom Post

EQUIPMENT

Pumptrk	No	Cementor	191	Cementor	Gary H.
		Helper			
Pumptrk	No	Cementor		Cementor	
		Helper		Helper	
Bulktrk	#	Driver	150	Driver	L. L.
		Driver			Driver

CEMENT

Amount Ordered	310 sks 50/50 poz 60 gel.	
Consisting of		
Common	155 sks @ \$5.00/sk.	775.00
Poz. Mix	155 sks @ 2.10/sk.	325.50
Gel.	19 sks @ 7.25/sk.	137.75
Chloride		
Quickset		
Handling	@ 90¢/sk. (329 sks)	296.10
Mileage	@ 66¢/ton mi. (42 mi.)	389.40
Sub Total		1923.75
Total		

DEPTH of Job

Reference:	#5 Pumptruck - port collar	\$450.00
	#14 mileage @ 1.00/mi.	42.00
Sub Total		\$492.00
Tax		
Total		

Remarks: Tested tools @ 1500 #
 Opened port collar, mixed cement, displaced, closed port collar, & tested to 1000 #. Cleared Hdy. & csg. Cement Circulated.

Floating Equipment Thanks

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 KCC WICHITA

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

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

New

ALLIED CEMENTING CO., INC. NO 2334

Home Office P. O. Box 31

Russell, Kansas 67665

Date	10-23-85	Sec.	7	Twp.	6	Range	21	Called Out		On Location	2:00 AM	Job Start		Finish	7:45
Lease	White	Well No.	2			Location	Bogue Jct. 12N-2W-1/2S			County	Graham	State	Ks.		
Contractor	Murfin					Rig 8					Owner	1/2 E			
Type Job	Production					String					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	7 7/8"		T.D.	3747'			Charge To	A. Scott Ritchie							
Csg.	5 1/2"		Depth	3728'			Street	125 N. Market Suite 950							
Tbg. Size			Depth				City	Wichita		State	Ks. 67202				
Drill Pipe			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Tool Port Collar	1860'		Depth				Purchase Order No.								
Cement Left in Csg.	15.71'		Shoe Joint	15.71'			X	John P. [Signature]							
Press Max.			Minimum	RECEIVED											
Meas Line	✓		Displace	JUL 28 2004											

Perf.	EQUIPMENT		KCC WICHITA	
No	Cementer	Mike		
Pumptrk 83	Helper	Mike		
No	Cementer			
Pumptrk	Helper			
	Driver	Neal		
Bulktrk 155	Driver			

Amount Ordered	130 SK		68 CEMENT	
Consisting of	10.5K salt flush			
Common	78 SK	at	5 ⁰⁰	390 ⁰⁰
Poz. Mix	52 SK	at	2 ⁰⁰	104 ⁰⁰
Salt	2.3 SK	at	47 ⁰⁰	109 ²⁰
Chloride				109 ²⁰
Quickset				28
Gilsonite	332 LB	at	29¢	96 ⁰⁰
Sales Tax				
Handling	90¢ per SK			158 ⁴⁰
Mileage	66¢ per ton mi.			180 ⁶⁰
Sub Total				
Total				953 ⁷³

DEPTH of Job	Reference:		
	Pumptruck		838 ⁰⁰
	Plug		31 ⁵⁰
	\$100 Per mi.		40 ⁰⁰
	Sub Total		
	Tax		
	Total		909.50

Remarks: Centralizers on collars # 1, 2, 5, 8, 11, and 46. Basket between collars # 46 & 47. Port Collar on collar # 47
 Cement 10 SK in Rat Hole

Floating Equipment	1- Guide Shoe - 106 ²⁰		Thank you.	
	1- AFW Insert	162 ⁰⁰		
	6- Centralizers	228 ⁰⁰		
	1- Basket	121 ⁰⁰		
	1- Port Collar	1260 ⁰⁰		
	Total	1877 ²⁰		

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

New

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No 2597

Home Office P. O. Box 31

Russell, Kansas 67665

Date	10-14-85	Sec.	7	Twp.	6	Range	21	Called Out	6:30	On Location	9:30	Job Start	10:30	Finish
Lease	White	Well No.	2	Location	Hill City N. to Colwe SE 1/4 N				County	Graham	State	KS.		
Contractor	Murfin	Rig	8	Owner	IE									
Type Job	Surface													
Hole Size	12 1/4"	T.D.	272'											
Csg.	8 5/8"	Depth	271'											
Tbg. Size														
Drill Pipe														
Tool														
Cement Left in Csg.	15'	Shoe Joint												
Press Max.														
Meas Line														
Perf.														

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.

Charge To *A. Scott Ritchie*
 Street *125N. Market Suite 950*
 City *WICHITA* State *KS.*

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

Purchase Order No. *[Signature]*
 X *[Signature]*

CEMENT

Amount Ordered *170SK com. 2% gel, 3% cc*

Consisting of

Common	170 SK at 5 ⁰⁰	850 ⁰⁰
Poz. Mix		
Gel.	3 SK at 7 ²⁵	21 ⁷⁵
Chloride	5 SK at 20 ⁰⁰	100 ⁰⁰
Quickset		

EQUIPMENT

No	Cementer	<i>Mike</i>
Pumptrk 102	Helper	<i>FRANK</i>
No	Cementer	
Pumptrk	Helper	
	Driver	<i>Jim</i>
Bulktrk 79	Driver	

Handling	<i>90 per SK</i>	160 ²⁰
Mileage	<i>66 per ton mi.</i>	221 ⁴⁹
Sales Tax		
Sub Total		
Total		1353 ⁴⁴

DEPTH of Job

Reference:	<i>Pumptruck</i>	360 ⁰⁰
	<i>Plug</i>	40 ⁰⁰
	<i>\$100 Per mi.</i>	40 ⁰⁰
	Sub Total	
	Tax	
	Total	440 ⁰⁰

Remarks: *Cement Circulated*

Floating Equipment

Thank you.

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