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Form ACO-1
September 1999
Form Must Be Typed

RELEASED FROM CONFIDENTIAL KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM

KCC WICHITA

WELL HISTORY, DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

ORIGINAL

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: PO Box 783188
City/State/Zip: Wichita, KS 67278
Purchaser: NCRA
Operator Contact Person: Karen Hopper
Phone: (316) 691-9500
Contractor: Name:
License:
Wellsite Geologist:
Designate Type of Completion:

CONFIDENTIAL

- ___ 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: Ritchie Exploration, Inc.

Well Name: VOSS
Original Comp. Date: 8/1/84 Original Total Depth: 3696'
___ 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. _____

11/1/02 11/7/02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 065-22,005-0002
County: Graham
___ NE ___ SE ___ SE Sec. 7 Twp. 6 S. R. 21 East West
4290 feet from S / N (circle one) Line of Section
330 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: VOSS Well #: 1
Field Name: Boys S

Producing Formation: Oread B, Toronto, L/KC
Elevation: Ground: 2208 Kelly Bushing: 2213
Total Depth: 3696 Plug Back Total Depth: 3665
Amount of Surface Pipe Set and Cemented at 249 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1863 Feet
If Alternate II completion, cement circulated from 1863
feet depth to surface w/ 450 sx cmt.

Drilling Fluid Management Plan *Wilson Eel 2-17-03*
(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: *[Signature]*

Title: Production Mgr Date: 2/10/03

Subscribed and sworn to before me this 10th day of February

~~2003~~
Notary Public: *Karen Hopper*

Date Commission Expires: _____

KAREN HOPPER
Notary Public - State of Kansas
My Appt. Expires

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: Voss Well #: 1
 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes No	Log Formation (Top), Depth and Datum Sample Name Top Datum Anhydrite 1854 +359 Topeka 3166 -953 Toronto 3428 -1215 Lansing 3445 -1232 B/KC 3630 -1417
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes No	
Cores Taken	Yes <input checked="" type="checkbox"/> No	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes No	
List All E. Logs Run: RA Guard Log		

CASING RECORD <input checked="" type="checkbox"/> New 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"	24#	249'	quickset	200	2% gel, 3% cc
Production	7 7/8"	5 1/2"	14#	3688'	pozmix	225	5% gilsonite
						10	salt preflush

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: ___ Perforate ___ Protect Casing <input checked="" type="checkbox"/> Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
	DRILLED	OUT CIBP @	3995'	CLEANED OUT TO PBTD 3665'

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>		Depth
	2	3629, 3618		1000 gal 28% @ 5 BPM @ 1300#	
2	3598-3604		600 gal 28% @ 2 BPM @ 700#		
2	3563.5-3567		600 gal 28% @ 2 BPM @ 700#		
2	3476-3482		750 gal 28% @ 1 BPM @ 600#		
2	3445.5-3449		750 gal 28% @ 2 BPM @ 200#		
2	3628-3630, 3617-3620				
3	3429-3432		750 gal 15% NE @ 2 BPM		
3	3373.3-3379.3		450 gal 15% NE @ 2 RPM @ 100#		

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
		2 3/8"	3665				
Date of First, Resumed Production, SWD or Enhr. 11/7/02			Producing Method Flowing <input checked="" type="checkbox"/> Pumping Gas Lift Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	8		79				

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

(If vented, Sumit ACO-18.)

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KCC WICHITA

A. SCOTT RITCHIE
SUITE 950
125 NORTH MARKET
WICHITA, KANSAS 67202

CONFIDENTIAL

(316) 267-4375

#1 Voss
NE SE SE
Section 7-6S-21W
Graham County, Kansas

INDEPENDENT PRODUCER

KCC

ORIGINAL

FEB 10 2003 *le*

CONFIDENTIAL

Office: R. Milford
Field: L. Zink

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FROM

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DRILLING REPORT

Elevation: 2208' G.L. 2213' K.B.

SAMPLE TOPS		Ref. Well
Anhydrite	1858' (+ 355)	+2
B/Anhydrite	1890' (+ 323)	+1
Neva	2735' (- 522)	+10
Topeka	3168' (- 955)	+7
Heebner	3403' (-1190)	+5
Toronto	3426' (-1213)	+6
Lansing	3444' (-1231)	+5
B/KC	3634' (-1421)	+5
Granite	3692' (-1479)	+22
RTD	3696' (-1483)	

ELECTRIC LOG TOPS		
Anhydrite	1854' (+ 359)	+3
B/Anhydrite	1885' (+ 328)	+6
Beattie	2674' (- 461)	+9
Cottonwood	2690' (- 477)	+9
Neva	2738' (- 525)	+7
Wabaunsee	2937' (- 724)	+8
Tarkio	3048' (- 845)	+7
Topeka	3166' (- 953)	+9
Heebner	3402' (-1189)	+6
Toronto	3428' (-1215)	+4
Lansing	3445' (-1232)	+4
B/KC	3630' (-1417)	+9
Granite	3690' (-1477)	+2
LTD	3694' (-1481)	

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

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

FEB 11 2003

New
KCC WICHITA

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL No. 39532

CONFIDENTIAL

Date	6-19-84	Sec.	7	Twp.	6 ^s	Range	21 ^w	Called Out	12:45 P.M.	On Location	3:10 P.M.	Job Start	4:15 P.M.	Finish	4:30 P.M.	
Lease	Voss	Well No.	1	Location				18 ^s 24 th SEC. 2 W 1 N 1 E N.S.	County	Graham	State	Ks.				

Contractor	Martin Dalg.	Rig #	8
Type Job	5 ^{ft} Surface Pipe		
Hole Size	12 1/4"	T.D.	250'
Csg. Size	8 5/8"	Depth	249'
Tbg. Size		Depth	
Drill Pipe		Depth	KCC
Tool		Depth	FEB 10 2003
Cement Left in Csg.	15'	Shoe Joint	CONFIDENTIAL
Press Max.		Minimum	
Meas Line		Displace	X
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	Lloyd Delleth
CEMENT	

EQUIPMENT

No	Cementer	
Pumptrk 60	Helper	Gary H. Dave P.
No	Cementer	
Pumptrk	Helper	
	Driver	Jim J.
Bulktrk #68		
Bulktrk	Driver	

Amount Ordered	200 sks com 2 1/2 gal, 3 1/2 c.c.
Consisting of	
Common	200 sks @ 5.00/sk. 1000.00
Poz. Mix	
Gel.	4 sks @ 7.25/sk. 29.00
Chloride	6 sks @ 20.00/sk. 120.00
Quickset	

DEPTH of Job	
Reference:	
#1 Pumptruck-surface	360.00
#8 1-8 5/8" surface dug	40.00
#14 mileage @ 1.00/mi.	41.00
Sub Total	441.00
Tax	
Total	

Handling	@ 90¢/sk. (210 sks)	189.00
Mileage	@ 66¢/100 mi. (41 mi)	267.89
Sub Total		1605.89
Total		

Remarks: Cement Circulated.

JUN 25 Rec'd

Thanks

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

New

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

ALLIED CEMENTING CO., INC. N^o 37512

Home Office P. O. Box 31

Russell, Kansas 67665

CONFIDENTIAL

ORIGINAL

Date	6-27-84	Sec.	7	Twp.	6	Range	21	Called Out		On Location		Job Start	4:15 PM	Finish	5:50 PM
Case	Uoss	Well No.	1	Location	Boque 1/2 W 13N 2W				County	Graham	State	Ks			

Contractor	Murfin	Owner	1/2 S 1E
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.	3696
Csg. Size	5 3/4	Depth	3688
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool	Baker	Depth	1863
Cement Left in Csg.		Shoe Joint	12
Press Max.	KCC	Minimum	RELEASED
Meas Line	✓ FEB 10 2003	Displace	FROM

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.	Tom Ford
Meas Line	NO salt flush CEMENT 2 gal

Perf.	CONFIDENTIAL	CONFIDENTIAL
EQUIPMENT		
Pumptrk	No	Cement
153		Dave
		Barrel
Pumptrk	No	Cement
Bulktrk	95	Driver
		Brian
Bulktrk		Driver

Consisting of			
Common	141	5.00	705.00
Poz. Mix	94	2.10	197.40
Gel.	2	7.25	14.50
Chloride			
Quicksets	9.1 1022*	.29	296.38
SALT	10	4.75	47.50
Sales Tax			
Handling	90 \$ Per sk	257	231.30
Mileage	66 \$ Per ton mile		310.38
Sub Total			1802.46
Total			

DEPTH of Job		
Reference:	Pump trk chg	838.00
	100 Per mile	42.00
	5 1/2 Plug	31.00
	Sub Total	911.00
	Tax	
	Total	

Floating Equipment	5 1/2	
1- Guide Shoe		103.00
1- AFU Insert		142.00
1- Baker Port Collar		1645.00
2- Baskets		244.00
6- Centralizers		264.00
		\$ 2398.00

Remarks: Plugged Port Hole w/ 10 sk
 Float Held

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

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

FEB 11 2003

New
 WICHITA

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31.

Russell, Kansas 67665

No 39558
 ORIGINAL

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
7-16-84	7	65	21W	5:45 A.M.	8:30 A.M.	6:15 P.M.	7:45 P.M.
Lease	Well No.	Location			County	State	
1055	1	18 ² 24 S1T 2W 10 1/2 N 1 NE			Graham	Ks.	

Contractor	Leon's Dng. Service		
Type Job	Port Collar		
Hole Size	7 7/8"	T.D.	3695'
Csg. Size	5 1/2"	Depth	3687'
Tbg. Size	2"	Depth	
Drill Pipe	Port Collar	Depth	1863'
Tool	Baker	Depth	1863'
Cement Left in Csg.		Shoe Joint	
Press Max.	1500#	Minimum	
Meas Line		Displace	-

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 Port

EQUIPMENT		
Pumptrk	No 60	Cementor Gary H. Helper Dave P.
Pumptrk	No	Cementor Helper
Bulktrk	#150	Driver Cyrus
Bulktrk		Driver

CEMENT	
Amount Ordered	285 sks 50/50 poz 6% gel.
Consisting of	
Common	143 sks @ 5.00/sk. 715.00
Poz. Mix	142 sks @ 2.10/sk. 298.20
Gel.	17 sks @ 7.25/sk. 123.25
Chloride	
Quickset	

DEPTH of Job	
Reference: #5	Pumptruck-port collar \$450.00
#14	mileage @ 1.00/mi 41.00
JUL 20 REC'D	
Sub Total	\$491.00
Tax	
Total	

Handling @ 90¢/sk. (302 sks)	271.80
Mileage @ 6.6¢/ton mi. (40 mi.)	348.97
Sub Total	1757.22
FEB 10 2003	

Remarks: Tested tools @ 1500#.
 Opened port collar & took injection rate of 3brl./min. @ 500# Mixed cement. Closed port collar & tested to 1200#
 Have a hole in csg. Cement circulated.

CONFIDENTIAL
 Floating Equipment
 Thanks
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Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

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

New FEB 11 2003

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31.

Russell, Kansas 67665

No 39559

CONFIDENTIAL

ORIGINAL

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
7-17-84	7	6 ^s	21 ^w	6:00 A.M.	8:20 A.M.	8:45 A.M.	9:15 A.M.
Lease	Well No.	Location			County	State	
Voss	1	18 ² 24 JCT 2W10 ¹ 2N1NE			Graham	Ks.	

Contractor	Leon's Drilling Service
Type Job	Pumping
Hole Size	7 7/8"
T.D.	3695'
Csg. Size	5 1/2"
Depth	3687'
Tbg. Size	2"
Depth	
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	1500 #
Minimum	KCC
Meas Line	Displace FEB 10 2003

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
CEMENT	

Perf.	CONFIDENTIAL	
EQUIPMENT		
No	Cementer	Gary H.
Pumptrk 60	Helper	Dave P.
No	Cementer	
Pumptrk	Helper	
	Driver	
Bulktrk		
Bulktrk	Driver	

Amount Ordered	
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
	Sales Tax
Handling	
Mileage	
	Sub Total
	Total

DEPTH of Job		
Reference:	#5 Pumptruck-pumping	360.00
	#14 mileage	N/C.
	JUL 20 RECD	
	Sub Total	360.00
	Tax	
	Total	

Remarks: Tied on to 5 1/2" csg.
 Tested to 1500#. It held.

Floating Equipment

Thanks

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