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9-27-2001  
SEP 27 2001

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

ORIGINAL

WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

CONFIDENTIAL

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address: P.O. Box 783188  
City/State/Zip: Wichita, KS 67278-3188  
Purchaser: EOTT  
Operator Contact Person: John C. Niernberger  
Phone: (316) 691-9500  
Contractor: Name: \_\_\_\_\_  
License: \_\_\_\_\_

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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)

FROM CONFIDENTIAL

KCC

SEP 26 2001

If Workover/Re-entry: Old Well Info as follows:  
Operator: Ritchie Exploration, Inc.  
Well Name: Voss #4

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Original Comp. Date: 10/21/88 Original Total Depth: 3730'  
\_\_\_\_ 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. \_\_\_\_\_

6/12/01 6/14/01  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 065722,484-0002  
County: Graham  
NE SE NE Sec. 7 Twp. 6 S. R. 21  East  West  
1650 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 #: 4  
Field Name: New Boys  
Producing Formation: Oread B, LKC

Elevation: Ground: 2186' Kelly Bushing: 2191'  
Total Depth: 3685' Plug Back Total Depth: 3685'  
Amount of Surface Pipe Set and Cemented at 256' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1818' Feet

If Alternate II completion, cement circulated from 1818'  
feet depth to surface w/ 285 sx cmt.

Drilling Fluid Management Plan Whitman ELL 1-9-03  
(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 Manager Date: 9/25/01

Subscribed and sworn to before me this 25<sup>th</sup> day of September, 2001

Notary Public: Karen Hopper

Date Commission Expires: 10/27/03

KCC Office Use ONLY

yes Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_

yes Wireline Log Received  
no Geologist Report Received

UIC Distribution

KAREN HOPPER  
Notary Public - State of Kansas  
My App. Expires: 10/27/03

Operator Name: Ritchie Exploration, Inc. Lease Name: Voss Well #: 4  
 Sec. 7 JAN 90 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 <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:  RA Guard	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum  See attached
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CASING RECORD <input 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	# Sacjs Used	Type and Percent Additives
surface	12 1/4	8 5/8"	24#	256	60/40 poz	175	2% gel, 3% cc
production	7 7/8	4 1/2"	10.5#	3728	60/40 poz	125	10% salt, 3% gils

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	3693.5-95.5' (CIBP @ 3685')		350 gals 15% MCA	
3	3599-3602'		1800 gals 15% MCA		
2	3588-92, 3482-85, 3451-53' (CIBP @ 3440')		1300 gals 28% NE		
3	3376-80'		450 gals 15% NE		
TUBING RECORD			Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No		
Size	Set At	Packer At			
2 3/8"	3670'				
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
6/15/01		<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
	5		6		

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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FROM CONFIDENTIAL

DST #1 3355'-3386' (Oread A&B zones). Rec. 120' gip; 60' mud & water cut oil; 300' oil cut watery mud; & 720' salt water.  
 IFP:137-286#/30"; ISIP:968#/30";  
 FFP:413-508#/30"; FSIP:979#/30".

DST #2 3392'-3464' (Toronto & Top zone). Rec. 10' of mud w/a few oil spots.  
 IFP:84-84#/30"; ISIP:455#/30";  
 FFP:84-84#/30"; FSIP:370#/30".

DST #3 3468'-3504' (35' & 50' zones). Rec. 25' of mud w/oil spots. IFP:63-63#/30"; ISIP:317#/45";  
 FFP:74-74#/30"; FSIP:233#/45".

DST #4 3504'-3533' (70', 90' & 100' zones). Rec. 1' of free oil & 9' of heavy oil cut mud.  
 IFP:74-74#/30"; ISIP:95#/45";  
 FFP:74-74#/30"; FSIP:74#/45".

Name	Top	Bottom
Anhydrite	1842'	(+ 349)
B/Anhydrite	1874'	(+ 317)
Topeka	3199'	(-1008)
Heebner	3402'	(-1211)
Toronto	3533'	(-1242)
Lansing	3450'	(-1259)
B/KC	3637'	(-1446)
Arbuckle	3693'	(-1502)
LTD	3729'	(-1538)

DST #5 3549'-3616' (140', 160' & 180' zones). Rec. 180' gip; 65' free oil; and 55' of oil cut mud.  
 IFP:84-95#/45"; ISIP:254#/60";  
 FFP:105-105#/45"; FSIP:243#/60".

PLEASE KEEP THIS  
 INFORMATION  
 CONFIDENTIAL