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SIDE ONE

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KCC

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

NO. 15- 083-20,614

JUL
AUG 24

County Hodgeman
Sec. 1 Twp. 21S Rge. 24 East West

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: n/a

Operator Contact Person: Leah Ann Kasten

Phone (316) 267-4375

Contractor: Name: White & Ellis Drilling

License: 5420

Wellsite Geologist: Kitt Noah

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator: Strata Drilling Co.

Well Name: #1 Humburg

Comp. Date 10/2/78 Old Total Depth 4410'

Drilling Method:
 Mud Rotary Air Rotary Cable

Spud Date 7/01/91 Date Reached TD 7/11/91 Completion Date 7/23/91

3300 Ft. North from Southeast Corner of Section

3150 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

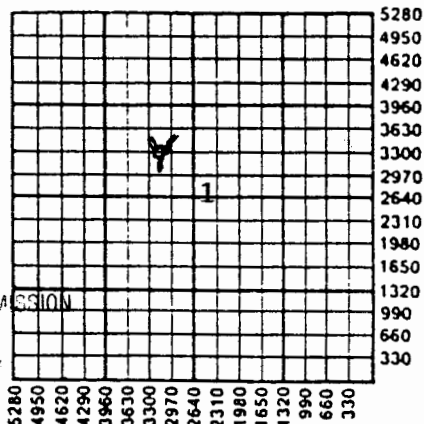
Lease Name McCright Well # 4

Field Name Goebel NE

Producing Formation n/a

Elevation: Ground 2250' KB 2255'

Total Depth 4950' PBTD n/a



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CONSERVATION DIVISION
WICHITA, KANSAS

Amount of Surface Pipe Set and Cemented at 288' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1445' Feet

If Alternate II completion, cement circulated from 1445'
feet depth to surface w/ 350 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

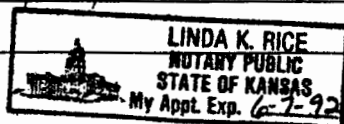
Signature Leah Kasten

Title Geologist Date 7/24/91

Subscribed and sworn to before me this 24th day of July, 19 92.

Notary Public Linda K. Rice

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify) J.S.

Operator Name Ritchie Exploration, Inc. Lease Name McCreight SWD Well # 4
 Sec. 1 Twp. 21S Rge. 24W East County Hodgeman
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) 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 (Submit Copy.) (See attached page).	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <p style="text-align: center;">Name Top Bottom</p> <p style="text-align: center;">(See attached page).</p>
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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 Perce Additives
Surface	12 1/4"	8-5/8"		288'	Information unavailable.		
Production	7-7/8"	5 1/2"	14#	4850'	60/40 poz	1/5	10% salt & 5% geilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		- Depth	
	n/a			1000 gal. of Reg. HCL acid		4850'-49	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method					
n/a		n/a <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours		Oil n/a Bbls.	Gas Mcf	Water n/a Bbls.	Gas-Oil Ratio		Gravity

Disposition of Gas: n/a ~~Production Interval disposal~~

Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____ 4850'-4952'

COPY

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000
Wichita, Kansas 67202-1775
316-267-4375 FAX 316-267-3026

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FROM CONFIDENTIAL

CONFIDENTIAL

Ritchie Exploration, Inc.'s
#4 McCreight SWD
150' E of C SE NW
Section 1-21S-24W
Hodgeman County, Kansas
API# 15-083-20,614-A
License #4767
ACO-1 form
Page 2

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DRILL STEM TESTS

DST #1 from 4261' to 4303' (Ft. Scott). Recovered 5' of mud with oil spots.
IFP:20-20#/30"; ISIP:50#/30";
FFP:20-20#/30"; FSIP:30#/30".

DST #2 from 4320' to 4392' (Miss. Dolo.). Recovered 10' of mud.
IFP:50-50#/30"; ISIP:60#/30";
FFP:50-60#/30"; FSIP:70#/30".

DST #3 from 4392' to 4399' (Miss. Dolo.). Recovered 30' of muddy water.
IFP:10-20#/45"; ISIP:882#/45";
FFP:20-20#/45"; FSIP:805#/45".

ELECTRIC LOG TOPS

Anhydrite	1472' (+ 783)
B/Anhydrite	1508' (+ 747)
Heebner	not logged
Lansing	not logged
B/KC	not logged
Pawnee	4209' (-1954)
Ft. Scott	4274' (-2019)
Cherokee	4299' (-2044)
Miss. Ls.	4383' (-2128)
Miss. Dolo.	4389' (-2134)
Osage	4434' (-2179)
Gil City	4550' (-2295)
Viola	4707' (-2452)
Simpson	4812' (-2257)
Arbuckle	4838' (-2583)
LTD	4901' (-2646)

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CORPORATION COMMISSION
Wichita, Kansas

ORIGINAL



1-21-24W

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CONSERVATION DIVISION
WICHITA, KANSAS

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WHITE

AND ELLIS DRILLING, Inc.

DRILLERS LOG

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OPERATOR: Ritchie Exploration, Inc., 125 N. Market - #1000,
Wichita, KS 67202
CONTRACTOR: White & Ellis Drilling, Inc., P. O. Box 48848,
Wichita, Kansas 67201-8848

Lease Name McCreight "OWWO" Well No. 4
Sec. 1 T. 21S R. 24W Spot 150' E of C SE NW
County Hodgeman State Kansas Elev. _____

Casing Record:
Surface: 8 5/8" @ 280' with _____ (Surface set in 1978) sx.
Production: _____ @ _____ with _____ sx.
Type Well: Oil Well Total Depth 4950'
Drilling Commenced 7-1-91 Drilling Completed 7-11-91

Formation	From	To	Tops
Cellar	0	5	Cedar Hills 935
Shale	5	935	Anhydrite 1495
Cedar Hills	935	1170	Topeka 3445
Shales	1170	2500	Lansing-KC 3755
Shales & Lime	2500	2725	Lansing-BKC 3950
Shales	2725	2965	Pawnee 4115
Shales & Lime	2965	3225	Pawnee-Ft. Scott 4220
Lime & Shale	3225	3445	Cherokee & Miss 4303
Shales & Lime	3445	4950	Miss 4366
			Viola 4665
			Arbuckle 4860

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