

ORIGINAL

SIDE ONE

15-039-20858-00-00 RELEASED

FEB 28 1991

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

Operator: License # 4767Name: Ritchie Exploration, Inc.Address 125 N. Market, Suite 1000City/State/Zip Wichita, KS 67202Purchaser: n/aOperator Contact Person: Leah Ann KastenPhone (316) 267-4375Contractor: Name: Murfin Drilling Co.License: 6033Wellsite Geologist: Bob Mathiesen

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ Temp. Abdy☐ Gas ☐ Inj ☐ Delayed Comp☒ Dry ☐ Other (Core, Water Supply, etc.)

If OWM: old well info as follows:

Operator: \_\_\_\_\_

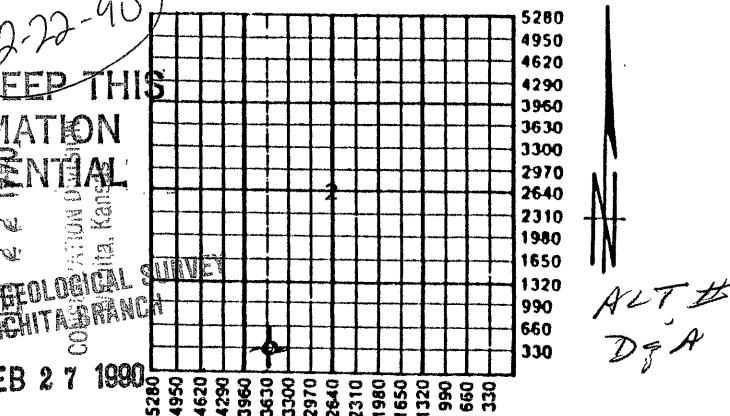
Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable11/13/89 11/19/89 11/19/89

Spud Date Date Reached TD Completion Date

API NO. 15- 15-039-20858County DecaturSW SE SW Sec. 2 Twp. 4S Rge. 27 X East West330 Ft. North from Southeast Corner of Section3630 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)Lease Name Kaspar Well # 1Field Name unknownProducing Formation n/aElevation: Ground 2629' KB 2634'Total Depth 3795' PBD n/aAmount of Surface Pipe Set and Cemented at 234 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set \_\_\_\_\_ Feet

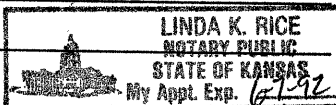
If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ 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 \_\_\_\_\_

Title President Date 2/15/90Subscribed and sworn to before me this 15th day of February, 19 90.Notary Public Linda K. RiceDate Commission Expires 6/07/92

K.C.C. OFFICE USE ONLY		
<input checked="" type="checkbox"/>	Letter of Confidentiality Attached	
<input type="checkbox"/>	Wireline Log Received	
<input type="checkbox"/>	Drillers Timelog Received	
<input checked="" type="checkbox"/>	KCC	SWD/Rep
<input type="checkbox"/>	KGS	Plug
		NGPA
		Other (Specify)

Form ACO-1 (7-89)

## SIDE TWO

Operator Name Ritchie Exploration, Inc.Lease Name KasparWell # 1Sec. 2 Twp. 4S Rge. 27☐ EastCounty Decatur☒ 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.

RELEASED

Drill Stem Tests Taken ☒ Yes ☐ No  
(Attach Additional Sheets.)Samples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☐ Yes ☒ No

DST #1 from 3580' to 3618' (Lansing "C" & "D" zones). Recovered 60' gas in pipe and 75' of heavy oil cut mud (38% oil, 62% mud).  
IFP: 34-41#/45"; ISIP: 222#/45";  
FFP: 48-54#/45"; FSIP: 152#/45".

DST #2 from 3615' to 3662' ("F" & "G" zones). Recovered 25' of slightly oil cut mud (4% oil, 96% mud).  
IFP: 34-37#/30"; ISIP: 82#/30";  
FFP: 39-39#/30"; FSIP: 54#/30".

DST #3 from 3659' to 3725' ("H" & "J" zones). Recovered 15' of slightly oil cut mud.  
IFP: 30-30#/30"; ISIP: 78#/30";  
FFP: 34-39#/30"; FSIP: 63#/30".

Formation Description FEB 28 1991

☐ Log☒ Sample

FROM CONFIDENTIAL

Name	Top	Bottom
Anhydrite	2163' (+ 471)	
B/Anhydrite	2196' (+ 438)	
Tarkio	3245' (- 611)	
Topeka	3355' (- 721)	
Heebner	3531' (- 897)	
Toronto	3560' (- 926)	
Lansing	3570' (- 936)	
B/KC	3767' (-1133)	
RTD	3795' (-1161)	

PLEASE KEEP THIS INFORMATION

ING RECORD ☐ 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"	28#	234'	60/40 poz	165	2% gel, 3% CC

PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot		Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		Depth	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input 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

Disposition of Gas:

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

METHOD OF COMPLETION

☐ Open Hole ☐ Perforation ☐ Dually Completed ☐ Commingled  
☐ Other (Specify) \_\_\_\_\_

Production Interval