

35-11-22w  
C w/2 w/2 ne

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 4767  
 Name: Ritchie Exploration, Inc.  
 Address: P.O. Box 783188 App. \_\_\_\_\_  
 City/State/Zip: Wichita, KS 67278-3188  
 Purchaser: NCRA  
 Operator Contact Person: Karen Hopper  
 Phone: (-316) 691-9500  
 Contractor: Name: \_\_\_\_\_  
 License: \_\_\_\_\_  
 Wellsite Geologist: \_\_\_\_\_  
 Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
 f Workover/Re-entry: Old Well Info as follows:  
 Operator: Ritchie Exploration, Inc.  
 Well Name: Hillman  
 Original Comp. Date: 8/25/81 Original Total Depth: 4030'  
 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. \_\_\_\_\_  
 0/3/01 \_\_\_\_\_ 1/17/02 \_\_\_\_\_  
 Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or \_\_\_\_\_  
 Completion Date \_\_\_\_\_ Recompletion Date \_\_\_\_\_

API No. 15 - 195-20846  
 County: Trego  
 C W2-W2NE4, Sec. 35 Twp. T4 S. R. 22  East  West  
4060 feet from S / (N) (circle one) Line of Section  
4950 feet from (E) / W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) (NE) SE NW SW  
 Lease Name: Hillman Well #: 2  
 Field Name: Shaw Creek East  
 Producing Formation: Lansing  
 Elevation: Ground: 2325' Kelly Bushing: 2330'  
 Total Depth: 4030' Plug Back Total Depth: 3831'  
 Amount of Surface Pipe Set and Cemented at 169 Feet  
 Multiple 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.

**Drilling Fluid Management Plan**  
*(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.

I 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: 2/7/02  
 Subscribed and sworn to before me this 7th day of February.  
200.2  
 Notary Public: Karen Hopper  
 Notary Commission 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: Hillman Well #: 2  
 Sec. 35 Twp. 11S S. R. 22  East  West County: Trego

**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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:  
 R A Guard Log

<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
<input checked="" type="checkbox"/>		
Name	Top	Datum
Anhydrite	1762'	+56
B/Anhy	1806'	+52
Topeka	3330'	-100
Heebner	3534'	-120
Toronto	3555'	-122
Lansing	3572'	-124
B/KC	3817'	-148
Marmaton	3888'	-155
LTD	4025'	-169

CASING RECORD <input 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	# Sacs Used	Type and Percent Additives
surface	12 1/4"	8 5/8"	24#	169'	common	165	
production		4 1/2"	10.5#	3856'	60/40 poz	175	10% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1126-1214	common	250	3% calcium chloride

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
	SSB	Footage	Material	Amount	
1	SSB	3737' - 3741'	800 gals 28% acid		
1	3/8"	3674', 3662', 3653'	2800 gals 28% acid		
2	SSB	3672' - 3677'			
2	SSB"	3658' - 3664'			
2	SSB	3648' - 3654'			

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2.375"	3790'	3335'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
1/17/02			<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
	1	0	110		40.3

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 \_\_\_\_\_