

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

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000
City/State/Zip Wichita, KS 67202
Purchaser: N.C.R.A.
Operator Contact Person: Lisa Thimmesch
Phone (316) 267-4375
Contractor: Name: CONFIDENTIAL
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)

If Workover/Re-Entry: old well info as follows:
Operator: Ritchie Exploration, Inc
Well Name: #1 Hardesty
Comp. Date 10-79 Old Total Depth 3985
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
6-27-94 6-30-94
 Date of START OF WORKOVER Date Reached TD Completion Date of WORKOVER

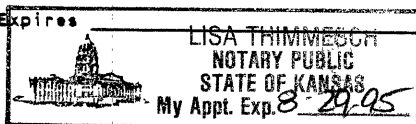
API NO. 15- 179-20,542-0001 ORIGINAL
County Sheridan
C -N/2-N/2 NW Sec. 20 Twp. 6 Rge. 26
330 Feet from S (circle one) Line of Section
1320 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Hardesty Well # 1
Field Name _____
Producing Formation L/KC, Toronto
Elevation: Ground 2654 KB _____
Total Depth 3960 PBDT 3936
Amount of Surface Pipe Set and Cemented at 360 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 REWORK JH 4-26-95
(Data must be collected from the Reserve Pit)
RELEASED
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering APR 9 1996 4-9-96
Location of fluid disposal if hauled offsite: KCC
FROM CONFIDENTIAL
Operator Name _____ **SEP 23**
Lease Name PLEASE KEEP THIS INFORMATION CONFIDENTIAL License No. _____ **CONFIDENTIAL**
County Sheridan Docket No. _____
Quarter 1 Twp. _____ S Rng. _____ E/W

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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 President Date 9-24-94
Subscribed and sworn to before me this 24th day of September, 1994.
Notary Public Lisa Thimmesch
Date Commission Expires _____



9-26-94
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify) _____
SEP 26 1994

Operator Name Ritchie Exploration, Inc. Lease Name Hardesty Well # 1
 Sec. 20 Twp. 6 Rge. 26W East West
 County Sheridan

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 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:

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

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	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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
	2	3907'-11', 3890'-93', 3858'-63'		3823'-28', 3806'-08' (old L/KC)	
3	3779.5'-81.5', 3768'-72' L/KC-new		500 gal 15% MCA		3768'-3781.5'
3	3722.5'-25.5' (Toronto)		300 gal 15% MCA		3722.5-25.5'

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2 3/8"	3931'	NA			
Date of First, Resumed Production, SWD or Inj.			Producing Method				
6-30-94			<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		
	7.00		40.00				

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

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____
 Production Interval 3722'-3911' OA