

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P.O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: Equiva
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 ____ SIOW ____ 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: E. Shughart #1

Original Comp. Date: 1-11-96 Original Total Depth: 4654'
____ 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. _____

7-19-00 7-25-00
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 193-20,640 0002
County: Thomas
SE NE NW Sec. 11 Twp. 6 S. R. 33 East West
990 feet from S / (circle one) Line of Section
2310 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: E. Shughart Well #: 1

Field Name: _____
Producing Formation: Lansing/Kansas City
Elevation: Ground: 3101 Kelly Bushing: 3106
Total Depth: 4654 Plug Back Total Depth: 4430
Amount of Surface Pipe Set and Cemented at 261 Feet
Multiple Stage Cementing Collar Used? Yes No
If ~~yes~~ show depth set 2673 Feet
If ~~alternate~~ II completion, cement circulated from 2673
feet depth to surface w/ 360 sx cmt.

Drilling Fluid Management Plan *Act II 1-3002 DAW*
(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: 10-30-2000
Subscribed and sworn to before me this 30th day of October,
2000
Notary Public: Karen Hopper
Date Commission Expires: 10-27-03

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
IOG

Operator Name: Ritchie Exploration, Inc. Lease Name: E. Shughart Well #: 1
 Sec. 11 Twp. 6 S. R. 33 East West County: Thomas

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)

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

List All E. Logs Run:

Shallow Induction
 Sonic
 Neutron

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	# Sacjs Used	Type and Percent Additives
surface	12 1/4"	8 5/8"	24#	261'	60/40 poz	165	2% gel, 3% cc
production	7 7/8"	5 1/2"	14#/15.5#	4651'	EA-2	195	

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
3	(1-5-96) (1-10-96) 4448-52 (Cherokee) CIBP @ 4430'		
3	4351-55 (Pawnee) (1-5-96)	900 gals 15% Acid (2-9-96)	
3	4149-55 (LKC) (7-22-96)	1000 gals 15% Acid (7-23-96)	
3	4064-69 (LKC) (7-20-00)	1000 gals 15% Acid (7-21-00)	
3	4022-24 (LKC) (7-20-00)	750 gals 15% Acid (7-24-00)	
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	Size Set At Packer At 2 7/8" 4134' 4133' (bull)		
Date of First, Resumerd Production, SWD or Enhr. 7-25-00		Producing Method <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
	70	0	24

Disposition of Gas

METHOD OF COMPLETION

Production Interval

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

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____



#1 E. Shughart
 SE NE NW
 Section 11-6S-33W
 Thomas County, Kansas
 API# 15-193-20,641

DRILLING REPORT

	Sample Tops	Ref. Well
Anhydrite	2703'+(403)	-4
B/Anhy	2742'+(364)	-6
Topeka	3719'(- 613)	+2
Heebner	3944'(- 838)	+2
Toronto	3976'(- 870)	+1
Lansing	3993'(- 887)	+2
Stark	4163'(-1057)	+4
B/KC	4223'(-1117)	+5
Marmaton	4239'(-1133)	+4
Pawnee	4347'(-1241)	+4
Fort Scott	4402'(-1296)	+7
Cher. shale	4420'(-1314)	+7
Cher. Lm	4440'(-1334)	+7
Mississippi	4550'(-1444)	+23
RTD	4650'(-1544)	

	Log Tops	Ref. Well
Anhydrite	2704'+(402)	-5
B/Anhy	2738'+(368)	-2
Topeka	3722'(- 616)	-1
Heebner	3945'(- 839)	+1
Toronto	3978'(- 872)	-1
Lansing	3992'(- 886)	+3
Stark	4166'(-1060)	+1
B/KC	4222'(-1121)	+1
Marmaton	4238'(-1132)	+5
Pawnee	4350'(-1244)	+1
Fort Scott	4406'(-1300)	+3
Cher sh	4427'(-1321)	flat
Cher Lm	4446'(-1340)	+1
Mississippi	4554'(-1448)	+19
LTD	4654'(-1548)	