FORM MUST BE TYPED

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

COPY

API NO. 15- 063-21,406 36-15-29W

County Gove

110'N & 30' E of CONFIDENTIAL
- NW - SW - NW Sec. 36 Twp. 15S Rge. 29 X E W

3640 Feet N/S (circle one) of Section Line

360 Feet E/W (circle one) of Section Line

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Judith Ziegenbalg Well # 2

Field Name unknown

Producing Formation Lansing

Elevation: Ground 2588' KB 2593'

Total Depth 4390' PBTD 3930'

Amount of Surface Pipe Set and Cemented at 208' feet

Multiple Stage Cementing Collar Used? X Yes ____ No

If yes, show depth set 1974 Feet

If Alternate II completion, cement circulated from 197

feet depth to surface w/ 253 sx cmt.

Drilling Fluid Management Plan 2-4-92
(Data must be collected from the Reserve Pit)

Chloride content 8,000 ppm Fluid volume 342 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: n/a

Operator Name ____

Lease Name ____ License No. ____

____ Quarter Sec. ____ Twp. ____ S/R ____ E/W

County ____ Docket No. ____

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: Clear Creek, Inc.

Operator Contact Person: Bob Mathiesen

Phone (316) 267-4375

Contractor: Name: White & Ellis Drilling Co.

License: 5420

Wellsite Geologist: Brain Allen

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

X Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 3 1992
CONSERVATION DIVISION
WICHITA, KS

If Workover/Re-Entry: old well info as follows:

Operator: ____

Well Name: ____

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

10/28/91 Spud Date
11/07/91 Date Reached TD
11/30/91 Completion Date

RELEASED
FEB 20 1994
FROM CONFIDENTIAL

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 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 ____

Title President Date 1/21/92

Subscribed and sworn to before me this 21ST day of January 19 92.

Notary Public Linda K. Rice

Date Commission Expires ____

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-7-92

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received
IS

Distribution
✓ KCC ____ SWD/Rep ✓ NGPA
✓ KGS ____ Plug ____ Other (Specify)

Form ACO-1 (7-91)

WPS-21-36

Sec. 36 Twp. 15S Rge. 29W ☐ East ☒ West County Gove

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 racovary, 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 (Attach Additional Sheets.)	☒ Yes	☐ No
Samples Sent to Geological Survey	☒ Yes	☐ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

List All E.Logs Run:

RA Guard log

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

See attached page.

CASING 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	12¼"	8-5/8"	28#	208'	60/40 poz	130	2%gel, 3%CC
Production	7-7/8"	4½"	10.5#	4388'	60/40 poz	200	10% sal
							3% gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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 SSB	4033.9'-35.9'; 4025.7'-29.7';	2,500 gal. of 15% NE	4014'-35.9'
	4014'-4016'; 3947.9'-51.9'; 3892.3'-	1,000 gal. of 15% NE	3892.3'-96.
	96.3'; 3744'-48'	850 gal. of 15% NE	3744'-48'
		500 gal. of 15% NE	3947.9'-51.

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	3917'		☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj.	Producing Method
11/30/91	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	10 Bbls.	Mcf	5 Bbls.		

Disposition of Gas: n/a

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

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify) _____

Production Interval

3744'-48'

3892.3'-96.3'