

Final

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

Operator: License # 5020
Name Rine Exploration Company
Address Suite #645
300 W. Douglas
City/State/Zip Wichita, KS 67202

Purchaser N/A

Operator Contact Person M. Bradford Rine
Phone 316/262-5418

Contractor: License # 5929
Name Duke Drilling Company, Inc.

Wellsite Geologist Tom N. McElroy
Phone 316/262-5418

Designate Type of Completion

New Well Re-Entry Workover

 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONWO: old well info as follows:

Operator
Well Name
Comp. DateOld Total Depth.....

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

08/19/87 08/27/87 08/27/87
.....
Spud Date Date Reached TD Completion Date

4650'
.....
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 317 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name
Invoice #

API NO. 15-007-22,161

County Barber

C SE 1/4 NE 1/4 23 33S 12W East
..... Sec..... Twp..... Rge..... West

3300
..... Ft North from Southeast Corner of Section
660
..... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

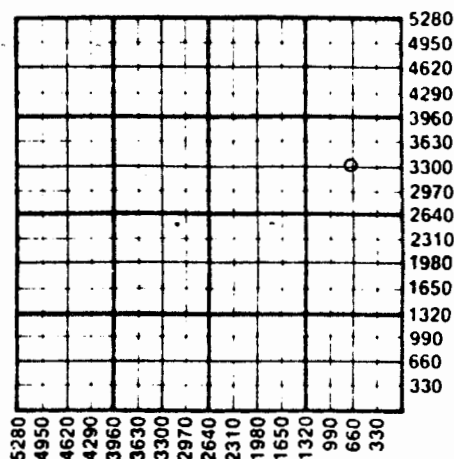
Lease Name Groendycke Well # 1-23

Field Name N/A

Producing Formation N/A

Elevation: Ground 1463' KB 1471'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #.....

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water 2970 Ft North from Southeast Corner
(Stream, pond etc) 4290 Ft West from Southeast Corner
Sec 23 Twp 33S Rge 12 East West

Other (explain).....
(purchased from city, R.W.D. #)

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. Copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all wells. Submit CP-111 form with all temporarily abandoned wells.

SIDE TWO

Operator Name Rine Exploration Company Lease Name Groendycke Well # 1-23

Sec. 23 Twp. 33S Rge. 12W East West County Barber

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1: 4284'-4326' (Swope) 30-60-30-60.
 Blow: very weak throughout. Rec.: 180' watery mud.
 IFP 23 - 23 ISIP 1578
 FFP 59 - 59 FSIP 1520

DST #2: 4550'-4570' (Mississippian) 30-30-30-30.
 Blow: very weak. Rec.: 65' mud with slight show of oil.
 IFP 35 - 35 ISIP 59
 FFP 35 - 35 FSIP 59

Name	Top	Bottom
SAMPLE TOPS		
Heebner	3662	(-2191)
Lansing	3840	(-2369)
Stark Shale	4290	(-2819)
Mississippian	4548	(-3077)
RTD	4650	(-3179)
E-LOG TOPS		
Heebner	3648	(-2177)
Lansing	3846	(-2375)
Stark Shale	4288	(-2817)
Mississippian	4550	(-3079)
LTD	4650	(-3179)

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
Surface	12 1/4"	8 5/8"	24#	317'	60-40 poz mix	185	2% gel, 3% CaCl
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				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)...			