

RELEASED

APR 1 1989

SIDE ONE

119/89
KCC Jml

Date: 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. 67202-2904

Purchaser N/A

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

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

Wellsite Geologist Paul Barker
Phone 405/232-3070

Designate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☒ Dry ☐ Other (Core, Water Supply etc.)

If **OWNO**: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
☒ Mud Rotary ☐ Air Rotary ☐ Cable
11/29/87 12/07/87 12-7-87
Spud Date Date Reached TD Completion Date
4527'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 364 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- 077-21,166
County Harper
C SW $\frac{1}{4}$ NE $\frac{1}{4}$ 8 33S 5W East
Sec. Twp. Rge. X West
3300
1980
Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

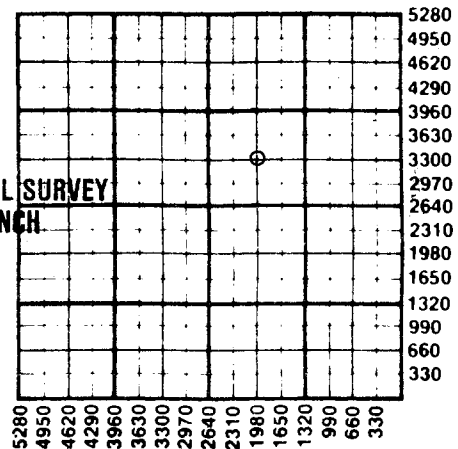
Lease Name Hallman Well # 1-8

Field Name N/A

Producing Formation N/A

Elevation: Ground 1330 KB 1338

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 Feet North from Southeast Corner
(Well) Feet West from Southeast Corner of
Sec Twp Rge East West

☒ Surface Water 4620 4620 Feet North from Southeast Corner
(Stream, pond etc.) Feet West from Southeast Corner
Sec 7 Twp 33S Rge 5 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.
One copy of all wireline logs and drillers time log shall be attached with this form. 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 M. Bradford Rine
(M. Bradford Rine)
Title President & Geologist Date 03/04/88

Subscribed and sworn to before me this 4th day of March
1988

Notary Public Ginger L. Mitchell
(Ginger L. Mitchell)

Date Commission Expires June 11, 1988

K.C.C. OFFICE USE ONLY		
☒	Letter of Confidentiality Attached	
☐	Wireline Log Received	
☐	Drillers Timelog Received	
Distribution		
☐	KCC	SWD/Rep NGPA
☒	KGS	Plug Other (Specify)
RECEIVED		
STATE CORPORATION COMMISSION		

GINGER L. MITCHELL
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 06-11-88

Form ACO-1 (5-86)
MAR - 4 1988
CONSERVATION DIVISION
Wichita, Kansas

Sec. 8 Twp 33 Rge 5 W

SIDE TWO

Operator Name Rine Exploration Company Lease Name Hallman Well # 1-8Sec. 8 Twp. 33 South Rge. 5 West ☐ East ☒ West County Harper

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

DST #1: 3483' - 3494' 15-33-55-120
Strong blow throughout. Rec. 135'
drilling mud, 180' muddy water,
360' saltwater.
IFP 158 ISIP 1514
FFP 211 FSIP 1474

Formation Description
☐ Log ☒ Sample

Name	Top	Bottom
Heebner	3108	-1770
Brown Lime	3450	-2112
Stalnaker	3480	-2142
Lansing-Kansas City	3760	-2422
Base Kansas City	4015	-2677
Mississippian	4461	-3123
RTD	4527	-3189

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	12 1/4"	8 5/8"	24#	364'	60/40 poa	225	2% gel, 3% cc

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD

Size Set At Packer at Liner Run ☐ Yes ☐ No

Date of First Production

Producing Method

☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☐ Perforation
☐ Other (Specify)

☐ Dually Completed
☐ Commingled

DRILLER'S WELL LOG

8-33-56nd

Date Commenced: November 29, 1987
Date Completed: December 7, 1987

Rine Exploration Co.
Hallman #1-8
C SW NE
Sec. 8-T33S-R5W
Harper County, Kansas

0 - 3108' Soil, Sand, Shale
3108 - 3113' Shale
3113 - 3450' Lime, Shale
3450 - 3760' Lime, Shale
3760 - 4015' Lime
4015 - 4461' Shale, Lime
4461 - 4527' Chert, Lime
4527' RTD

ELEVATION: 1338' K.B.

Formation Data:

Heebner	3108'
Br. Lime	3450'
Stalnaker	3480'
Lansing-KC	3760'
Base K.C.	4015'
Mississippi	4461'
RTD	4527'

Surface Pipe:

Set new 8-5/8", 24# pipe
at 364' with 225 sacks
60/40 pozmix, 2% gel, 3% c.c.

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

DEC 22 1987

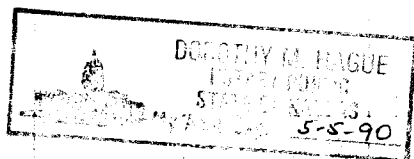
AFFIDAVIT

STATE OF KANSAS
COUNTY OF BARTON) ss

JOHN ARMBRUSTER of lawful age, does swear and state that the facts
and statements herein are true and correct to the best of his knowledge.

John Armbruster
John Armbruster

SUBSCRIBED AND SWORN to before me this 11 day of December, 1987.



Dorothy M. Hague
Notary Public
CONSERVATION DIVISION
Wichita, Kansas