

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 Co., Inc.

Wellsite Geologist Tyler Sanders
Phone 316/684-2373

Designate Type of Completion

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

07/18/86 07/28/86 7-28-86
Spud Date Date Reached TD Completion Date

4600'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 259 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

API NO. 15-095-21,559-0000
County Kingman
NE 1/4 SW 1/4 NW 1/4 Sec. 2 Twp 29S Rge 9W West

3630 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

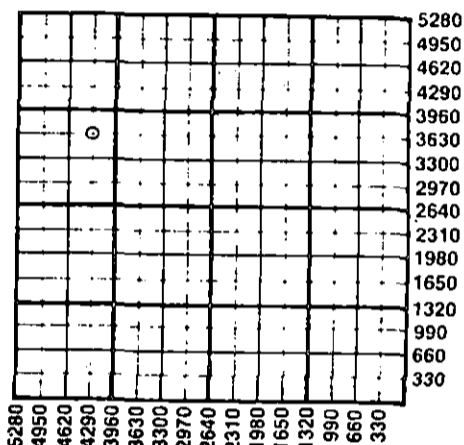
Lease Name Govert Well # 1-2

Field Name N/A

Producing Formation N/A

Elevation: Ground 1700 KB 1705

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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

Source of Water:
Division of Water Resources Permit #

Groundwater 3630 Ft North from Southeast Corner
(Well) 4290 Ft West from Southeast Corner of
Sec 2 Twp 29S Rge 9W West

Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West

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

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 08/22/86

Subscribed and sworn to before me this 22nd day of August 1986
Notary Public Ginger L. Mitchell
(Ginger L. Mitchell)
Date Commission Expires June 11, 1988

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

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Form ACO-1 (7-84)

OCT 3 1986 10-3-86

SIDE TWO

Operator Name Rine Exploration Company Lease Name Govert Well # 1-2

Sec. 2 Twp. 29 South Rge. 9 West ~~XXX East~~ West County Kingman County, Kansas

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

See attached for Drill Stem Test information.

E-LOG TOPS

Formation	Top	Bottom
Herrington	1597 + 108	
Indian Cave	2393 - 688	
Wabaunsee	2552 - 847	
Topeka	2954 -1249	
Heebner	3340 -1635	
Brown Lime-Lansing	3547 -1842	
Stark	3903 -2198	
Mississippian	4184 -2479	
Kinderhook	4290 -2585	
Viola	4484 -2779	
Simpson Shale	4536 -2831	
LTD	4607 -2902	

Name	Top	Bottom
<u>SAMPLE TOPS</u>		
Herrington	1589	+ 116
Indian Cave	2386	- 681
Topeka	2940	-1235
Heebner	3335	-1630
Brown Lime-Lansing	3542	-1837
Stark	3899	-2194
Middle Pawnee Shale	4110	-2405
Mississippian	4176	-2471
Kinderhook	4283	-2578
RTD	4600	-2895

CASING RECORD <input checked="" 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#	259'	60/40 Poz	175	2% gel, 3% cc
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		Size	Set At	Packer at	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).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

Side Three

Rine Exploration Company
#1-2 Govert
Kingman County, Kansas

Drill Stem Test Information

- DST #1: 3985'-3954' (Lans.-KC: Swope-Hertha)
45-45-60-60
Blow: Weak throughout.
Rec.: 70' very slightly oil & gas cut mud.
IFP 30 - 30 ISIP 1227
FFP 61 - 61 FSIP 1329
- DST #2: 4151' - 4199' (Mississippian) 45-60-45-75
Blow: Strong - gas to surface in 4 min. Gas gauges as follows:
1st Open - 10 min. 211,000 CFGPD
20 min. 216,000
30 min. 183,000
40 min. 147,000
45 min. 141,000
2nd Open - 10 min. 141,000 CFGPD
20 min. 134,000
30 min. 116,000
40 min. 101,000
45 min. 94,000
Rec.: 240' gas cut mud, 180' gas cut water (35,000 chlorides).
IFP 112 - 112 ISIP 1024
FFP 142 - 142 FSIP 962
- DST #3: 4462' - 4480' (Viola) 45-60-45-60.
Blow: Weak building to strong.
Rec.: 1020' gas in pipe, 70' slightly oil gas cut mud.
IFP 20 - 20 ISIP 1420
FFP 40 - 40 FSIP 1410
- DST #4: 4463' - 4482' (Viola) 45-60-45-60.
Blow: Weak building to strong.
Rec.: 1200' gas in pipe, 20' gas cut and oil stained mud and 60'
oil and gas cut mud.
IFP 30 - 30 ISIP 1441
FFP 50 - 50 FSIP 1441
- DST #5: 4481' - 4488' (Viola) 30-45-30-45.
Blow: Weak.
Rec.: 300' gas in pipe, 25' very slightly oil cut mud, no H2O.
IFP 20 - 10 ISIP 1176
FFP 30 - 20 FSIP 1126
- DST #6: 4527' - 4536' (Simpson) 45-60-45-60.
Blow: Weak blow building to strong.
Rec.: 535' muddy H2O.
IFP 30 - 122 ISIP 1461
FFP 193 - 244 FSIP 1461

RECEIVED
STATE CORPORATION COMMISSION
CONS. DIV. WICHITA, KS

OCT, 3 1986

Side Four

Rine Exploration Company
#1-2 Govert
Kingman County, Kansas

Drill Stem Test Information (cont.)

DST #7: 4493'- 4509' (Viola: Straddle) 30-45-45-60.

Blow: Weak increasing to strong.

Rec.: 420' gas in pipe, 120' oil and gas cut mud, 60' oil and
gas cut muddy water, 240' slightly oil and gas cut muddy
water, 540' slightly gas cut water with show of oil.

IFP 82 - 142 ISIP Invalid

FFP 296 - 343 FSIP Invalid