

SIDE ONE

(Rules 82-3-130 and 82-3-107)

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

F _____ Letter requesting confidentiality attached.

C Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run _____.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 5654 EXPIRATION DATE June 30, 1984

OPERATOR Rine Drilling Company API NO. 15-025-20,689-00-00

ADDRESS 300 W. Douglas, Suite 600 COUNTY Clark

Wichita, Kansas 67202 FIELD Snake Creek

** CONTACT PERSON Donna K. McKee PROD. FORMATION Morrow

PHONE 316-267-1333

PURCHASER Northern Natural Gas LEASE Harper

ADDRESS 2223 Dodge Street WELL NO. 1-15

Omaha, Nebraska 68102 WELL LOCATION NE NW SE

DRILLING Rine Drilling Company 1650 Ft. from East Line and

CONTRACTOR 2310 Ft. from South Line of (X)

ADDRESS 300 W. Douglas, Suite 600 the SE (Qtr.) SEC 15 TWP 34S RGE 21(W)

Wichita, Kansas 67202

PLUGGING N/A WELL PLAT (Office Use Only)

CONTRACTOR _____

ADDRESS _____

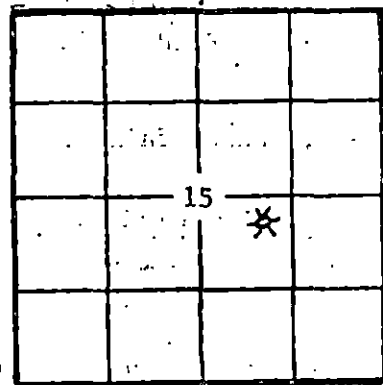
TOTAL DEPTH 5,570' PBDT 5,505.43'

SPUD DATE 5-01-83 DATE COMPLETED 6-20-83

ELEV: GR 1779' DF 1789' KB 1797.5'

DRILLED WITH ~~(CABLE)~~ (ROTARY) ~~(AND)~~ TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE N/A



KCC
KGS
SWD/REP _____
PLG. _____
NGPA _____

Amount of surface pipe set and cemented 8 5/8" @ 1208' Tool Used? yes

TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Shut-in Gas, Gas, Dry, Disposal, Injection, Temporarily Abandoned. If OWWO, indicate type of re-completion _____. Other completion _____. NGPA filing _____.

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

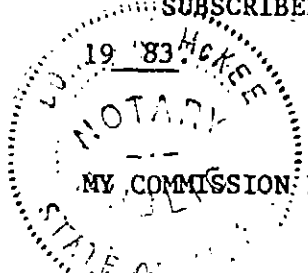
A F F I D A V I T

E. J. RINE, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

E. J. RINE
E. J. RINE, (Name) PRESIDENT

SUBSCRIBED AND SWORN TO BEFORE ME this 11th day of July



Donna K. McKee
RECEIVED (NOTARY PUBLIC)
STATE CORPORATION COMMISSION

JUL 13 1983

** The person who can be reached by phone regarding any questions concerning this information.

CONSERVATION DIVISION
Wichita, Kansas

FILL IN WELL INFORMATION AS REQUIRED:

WELL NO. 1-15

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.</p> <p>Check if no Drill Stem Tests Run.</p> <p>Check if samples sent to Geological Survey</p> <p>DST #1: 4286-4314' Packer failed.</p> <p>DST #2: 4265-4314' 30-60-30-60, v. wk. blow, 1st flow; none 2nd flow. Rec. 270' of mud IFP 165-174 FFP 183-183 ISIP 1613 FSIP 1530</p> <p>DST #3: 4314-36' 30-60-30-60, v. wk. blow, 1st flow; none 2nd flow. Rec. 15' of mud. IFP 18-18 FFP 18-18 ISIP 1457 FSIP 1302</p> <p>DST #4: 5040-90' 30-60-60-90, wk. blow, died in 20 min. Rec. 15' of mud. IFP 18-18 FFP 28-28 ISIP 64 FSIP 82</p> <p>DST #5: 5353-5408' 30-60-60-90, strong blow Rec. 150' of mud. IFP 81-101 FFP 61-101 ISIP 683 FSIP 1022</p> <p>DST #6: 5408-40, packer failed.</p> <p>If additional space is needed use Page 2,</p>			<p>SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.</p> <p>Base/Lecomp 4095 -2297 Elgin Sand 4148 -2350 Oread Lm. 4236 -2438 Heebner 4273 -2475 Toronto 4298 -2500 Base/Amazonia 4355 -2557 Lansing 4464 -2666 Swope Lm. 4942 -3144 Base/K.C. 5041 -3243 Marmaton 5068 -3270 Cherokee 5233 -3435 Mor Shale 5355 -3557 Mor D Sand 5412 -3614 Miss 5505 -3707</p>	

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Extend)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Secks	Type and percent additives
Conductor	30"	20"		75'	Portland	300	2%cc.
Surface	12 1/4"	8 5/8"	24#	1208'	Light Common	500 100	3%cc, 1/2#FC, 5#Calseal 3%cc, 2%gel, 1/2#FC
Production	7 7/8"	5 1/2"	15.5#	5550, 68'	Posmix 50/50	150 150	18% salt, .75%CFR-2, 10#CFR-2, 10#Gilsonite

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Secks cement	Shots per ft.	Size & type	Depth interval
N/A			4SPF	Jumbo	5414-16'
TUBING RECORD			4SPF	Jumbo	5424-26'
Size	Setting depth	Packer set at			
2 3/8"	5350'	5350'			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1,000 gal. 7 1/2% MCA with 5 gal. MOR-FLO III	5414-16', 5424-26'

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity		
Shut-in gas well	Flowing gas well	N/A		
Estimated Production -I.P.	Oil	Gas	Water	Gas-oil ratio
4 bbls/da	bbls.	1,400,000 MCF	0 % 4 bbls/da	CFPB
Disposition of gas (vented, used on lease or sold)		Perforations		
Shut-in - waiting on test		5414-16', 5424-26'		

OPERATOR RINE DRILLING COMPANY LEASE NAME HARPER

SEC. 15 TWP. 34S RGE. 21

(E)
(W)

FILL IN WELL LOG AS REQUIRED: WELL NO. 1-15

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #7: 5431-40' packer failed</p> <p>DST #8: 5353-5440' packer failed</p> <p>DST #9: 5353-5440, re-test after condition hole. 30-60-60-90, strong blow. G.T.S. in 3 min. Guaged 1,123 Mcf in 10 min. 1st 2,200 Mcf in 15 min. flow: 2,200 Mcf in 20 min. 2,200 Mcf in 25 min.</p> <p>Guaged 1,490 Mcf in 5 min. 2nd 1,626 Mcf in 10 min. flow: 2,200 Mcf in 15 min. 2,441 Mcf in 20 min. 2,441 Mcf in 25 min. 2,619 Mcf in 30 min. 2,675 Mcf in last 30 min.</p> <p>No fluid recovered</p> <p>IFP 496-516 FFP 555-516 ISIP 672 FSIP 653</p>				