KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

State Geological Survey
WICHITA, BRANCH

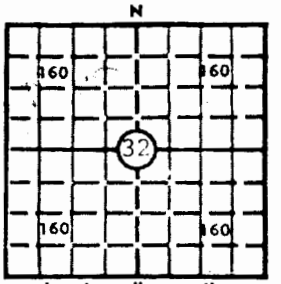
S. 32 T. 22S R. 21 E W

API No. 15 — 083 (County) — 20,892 (Number)

Loc. 500' E of WL & 500' of NL, SE¼

County Hodgeman Co.

640 Acres
N



Locate well correctly

Elev.: Gr. 2251'

DF 2253' KB 2256'

Operator: Rine Exploration Company	
Address: Suite 645, R. H. Garvey Bldg.	
Well No.: #1-32	Lease Name: Hastings
Footage Location: 500 feet from (N) (S) line	500 feet from (E) (W) line
Principal Contractor: Slawson Drilling Company	Geologist: Ray Goodin
Spud Date: 9/5/81	Date Completed: 9/23/81
Total Depth: 4510	P.B.T.D.
Directional Deviation	Oil and/or Gas Purchaser

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Casing	12"	8 5/8"	20#	371	60 - 40 poz.		2% gel 3% ca cl
Production		4 1/2"	10.5#	4518	r.s.c. Dowell		2% gel 3% ca cl

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized and Fractured - open hole	4525'
HCL, Water, Sand	

INITIAL PRODUCTION

Date of first production: Tried to produce well, have temporarily abandoned.

Producing method (flowing, pumping, gas lift, etc.)

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	bbls.	CFPB

Disposition of gas (vented, used on lease or sold)

Producing interval(s)

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

C-10-1972

Operator	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Rine Exploration Company	
Well No. #1-32 / **Lease Name** Hastings	
S 32 T 22S R 21 ~~E~~ W	

WELL LOG

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
DST #1 4294 - 4369 (Marmaton) 30-45-30-30 Recovered 240' slightly gas cut mud. IFP 120-100 ISIP 648 FFP 130-130 FSIP 400 DST #2 4490 - 4525 (Mississippi) 30-45-60-60 Recovered 120' gas in pipe, 130' clean oil, 60' very slightly mud cut oil, 120' very slightly mud & water cut oil. IFP 64-64 ISIP 648 FFP 107-125 FSIP 400			Heebner Lansing BKC Ft. Scott Cherokee *corrected elevations 2250GL 2256KB	3847 -1591* 3924 -1668* 4288 -2032* 4443 -2187* 4465 -2209*

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

M. Bradford Rine
Signature

M. Bradford Rine
Vice President and Geologist
Title

3-12-82
Date

32-22-21W

DRILLERS LOG

State Geological Survey
WICHITA BRANCH

OPERATOR:	Rine Exploration Company 645 R. H. Garvey Building Wichita, Kansas 67202
WELL NAME:	Hastings #1-32 App. NW SE Sec.32-22S-21W Hodgeman County, Kansas
CONTRACTOR:	Slawson Drilling Company, Inc. 200 Douglas Building Wichita, Kansas 67202
COMMENCED:	9/4/81
COMPLETED:	9/11/81
RTD:	4525'
SURFACE CASING:	8-5/8" set at 371' with 275 sx cement
PRODUCTION CASING:	4-1/2" set at 4522' with 150 sx cement

0' to 380' 12¼" Surface Hole
380' to 1403' Shale
1403' to 1440' Anhydrite
1440' to 2010' Shale & Shells
2010' to 2630' Shale
2630' to 3349' Shale & Lime
3349' to 3517' Shale
3517' to 3792' Lime
3792' to 4005' Shale & Lime
4005' to 4210' Lime & Shale
4210' to 4525' Lime
RTD 4525'

STATE OF KANSAS

COUNTY OF SEDGWICK

I, James C. Remsberg, of the Slawson Drilling Company, Inc. hereby state the above is an accurate copy of the Hastings #1-32 log for Rine Exploration Company.

James C. Remsberg

Subscribed and sworn to me
this 21st day of September, 1981