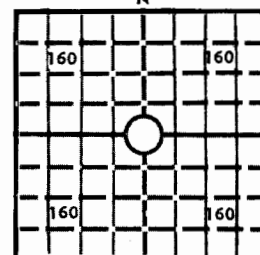


## KANSAS DRILLERS LOG

State Geological Survey  
WICHITA, BRANCHAPI No. 15 — 119 — 20 116  
County NumberS. 22 T. 32 R. 29 WLoc. C SE SECounty Meade640 Acres  
N

Locate well correctly

Elev.: Gr. 2688DF \_\_\_\_\_ KB 2698

Operator

Rains &amp; Williamson Oil Co., Inc.

Address

435 Page Court, 220 W. Douglas Wichita, Ks. 67202

Well No.

#1

Lease Name

Sword

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Rains &amp; Williamson Oil Co

Geologist

Douglas H. McGinness

Spud Date

9-23-72

Total Depth

6315

P.B.T.D.

Date Completed

10-15-72

Oil Purchaser Permian Corp.

Gas-Panhandle Eastern

## 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
	12 $\frac{1}{4}$ "	8-5/8"		1526'		500 150	2% c.c. 3% c.c.
		4 $\frac{1}{2}$ "		5750'		150	50/50 pos 18% salt

## LINER RECORD

## PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			8		5630-5634
TUBING RECORD			20	DP	5641-5651
Size	Setting depth	Packer set at			

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 Gal. MCA	5641-5651

## INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)			
8-20-73	flowing			
RATE OF PRODUCTION PER 24 HOURS	Dist.	Gas	Water	Gas-oil ratio
Ave. 6	bbls.	1 $\frac{1}{2}$ million MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)	
sold				

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, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. 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.

Operator  
Rains & Williamson Oil Co., Inc.

DESIGNATE TYPE OF COMP.: OIL, GAS,  
DRY HOLE, SWDW, ETC.:

Well No. #1  
Lease Name Sword

S 22 T 32 R 29 W C SE SE

### WELL LOG

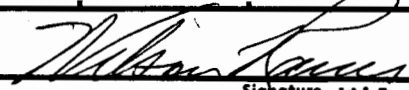
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1, 5578-5620 Weak blow increasing to a strong blow. Open 30, Shutin 30, Open 90. Shutin 30. Rec. 45' very slightly gas cut mud. BHP 123-1147 FP 38-47			<u>Log Tops</u>	
			Chase	2706 (- 8)
			Council Grove	3078 (-380)
			Heebner	4433 (-1735)
			Toronto	4452 (-1754)
			Lansing	4578 (-1880)
			Kansas City	4835 (-2137)
			Marmaton	5176 (-2478)
			Cherokee	5349 (-2651)
			Atoka	5574 (-2876)
DST #2, 5619-5650 Rec. 185' gas & distalleate cut mud. Open 30, Shutin 30, Open 90, Shutin 60. 1st FP 332-398 2nd FP 304-380 BHP 1927-1927				
DST #3, 5661-5680 Very weak blow for 25 minutes. Open 30, Shutin 30, Open 30, Shutin 60. No blow on open. Rec. 10' mud BHP 19-28 FP 5-9 BHT 110°				
DST #4, 6107-6135 Very weak blow-died. 30 minutes flow period. Shutin 30 minutes. Flush tool 20 minutes. Died in 30 minutes. Rec. 10' mud with few oil specks. BHP 35 FP 28-38				
DST #5, 6162-6187 Strong blow off bottom of bucket. Good blow. Rec. 2976' salt water. Open 30, Shutin 30, Open 60, Shutin 30. BHP 1889-1889 FP 853-1421 BHT 136°				

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



  
Signature Wilson Rains  
President  
Title  
2-25-74  
Date