

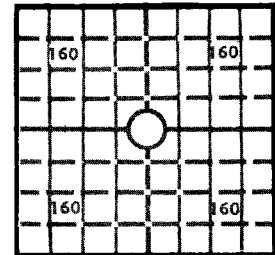
KANSAS DRILLERS LOG

S. 21 T. 14S R. 12 ^{EX}W

Loc. NW SW SW

County Russell

640 Acres
N



Elev.: Gr. 1703

DF KB 1713

API No. 15 — 167 — 21410
County Number

Operator
Rains & Williamson Oil Co., Inc.

Address
435 Page Court, 220 W. Douglas, Wichita, Kansas 67202

Well No. #1 Lease Name Heim

Footage Location
feet from (N) (S) line feet from (E) (W) line

Principal Contractor Buffalo Drilling Company, Inc. Geologist Mike Engelbrecht
Craig Caulk

Spud Date 3-17-80 Total Depth 3213' P.B.T.D.

Date Completed 3-26-80 Oil 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
	12 1/4"	8 5/8"	20#	618'	common 60/40 poz.	150 sx. 200 sx.	2% gel, 3% cc. 2% gel, 3% cc.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at			

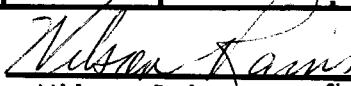
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production		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 trans-
mitted 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.: Dry Hole	
Well No. #1	Lease Name Heim		
S 21 T 14S R 12 XE 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
DST #1 - 2215-2227, Miss-run. DST #2 - 2188-2227, Miss-run. DST #3 - 2867-2878, 30 (30) 30 (30). Rec. 10' water cut mud. FP's 54-54, 54-163. IBHP 576, FBHP 651. DST #4 - 3178-3188, Miss-run. DST #5 - 3139-3188, 30 (30) 60 (30). Rec. 30' mud. FP's 65-76, 76-76. IBHP 682, FBHP 414. Temp. 102°.			Sample Tops Anhydrite 616 (+1097) B/Anhydrite 653 (+1060) Grand Haven 2185 (-472) Tarkio Lime 2258 (-545) Topeka 2461 (-748) Lansing 2854 (-1141) Cong. Shale 3142 (-1429) Cong. Chert 3165 (-1452) RTD 3213 (-1500)
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="text-align: center;">  Wilson Rains Signature </div> <div style="text-align: center;"> President Title </div> <div style="text-align: center;"> 4-18-80 Date </div>		