

15-167-21293

State Geological Survey

KANSAS DRILLERS LOG

API No. 15 — 167 — 21,293
 County Number

S. 1 T. 13 R. 15 ^W_E
 Loc. NW NE NE
 County Russell

Operator
Mai Operations

Address
Box 33 Russell, Kansas 67665

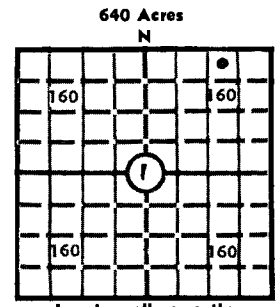
Well No. #4 Lease Name S & S Ranch "B"

Footage Location
330 feet from (S) line 990 feet from (E) line

Principal Contractor Emphasis Oil Operations Geologist Roy R. Krueger

Spud Date 3-27-79 Total Depth 3167 P.B.T.D. 3146

Date Completed 4-23-79 Oil Purchaser Koch



Locate well correctly
 Elev.: Gr. 1684
 DF 1686 KB 1689

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
Surface	12 1/4	8 5/8	24	738	Poz	150	
Production	7 7/8	5 1/2	14	3166	60-40 Poz	125	2% gel 15gal latex

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Jumbo jets	3131-33

TUBING RECORD

Size	Setting depth	Packer set at
2 7/8	3140	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gallons 15%	3131-33


INITIAL PRODUCTION

Date of first production 4-23-79 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	<u>25</u> bbls.	<u>none</u> MCF	<u>2</u> bbls.	<u>CFPB</u>

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, 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 Maj Operations		Well No. 7		Lease Name S & S Ranch "B"		S 1 T 13S R 15W W	
DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:		Oil well		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.			
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.							
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH			
As per drillers log attached			Anhydrite	734			
			Heebner	2806			
			Toronto	2826			
			Lansing	2859			
			Arbuckle	3129			
			RTD	3167			
DST #1-2837-2912 Fair to good blow; recovered 60 feet gas, 30 feet SOGCMW, 150 feet VSGCMW, First flow 72-105 2d flow 129-137; First Shut in 108 2d shut in 298.							
DST #2-2923-2952 Good blow; recovered 60 feet gas, 480 feet water; First flows 56-170 2d flows 202-235; First shut in 268 2d shut in 268							
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.							
Date Received							
Date		May 2, 1979					
Time							
Operator		Richard L. Maj					
Signature							

15-167-21293

1-13S-15W



EMPHASIS OIL OPERATIONS

P. O. Box 506

Russell, Kansas 67665

DRILLERS LOG

OPERATOR: Mai Operations
Hwy. 40 & Main
Russell, Kansas 67665

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, Kansas 67665

LEASE: S & S Ranch

WELL: #4

LOCATION: NW NE NE
Section 1-13S-15W
Russell County, Kansas

Total Depth: 3167'

Elevation: 1689 R.B.

Commenced: 3-27-79

Completed: 4-4-79

Casing: 8-5/8" @ 738
5-1/2" @ 3166'

Status: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Post Rock & Shale	40	Lime & Shale	2723
Shale & Shells	420	Shale & Lime	2782
Red Bed	730	Lime & Shale	2872
Anhydrite	770	Lime	2953
Shale	1823	Shale & Lime	3023
Shale & Lime	2517	Lime & Shale (R.T.D.)	3167

STATE OF KANSAS)

COUNTY OF RUSSELL) ss

I, Joe K. Branum, of Emphasis Oil Operations state that the above and foregoing is a true and correct log of the above captioned well.