

KANSAS DRILLERS LOG

S. 22 T. 13S R. 20W E
 Loc. SW SW SW
 County Ellis

API No. 15 — 051 — 21583
 County Number

Operator
John B. Collins

Address
1007 Cody Suite A Hays, Ks. 67601

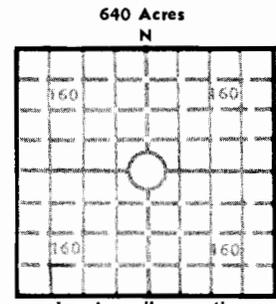
Well No. # 4 Lease Name Herman

Footage Location
330 feet from (X) (S) line 330 feet from (X) (W) line

Principal Contractor Dreiling Oil, Inc. Geologist Lawrence F. Gray

Spud Date 10-25-78 Total Depth 3870 P.B.T.D.

Date Completed 11-2-78 Oil Purchaser CRA, Inc.



Elev.: Gr. 2224
 DF 2226 KB 2229

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 1/2	8 5/8		202	Common	150	8 units Quickset
Production	7 7/8	5 1/2		3863	Common	150	10% salt 4% gil

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	CFPB
Disposition of gas (vented, used on lease or sold)	bbls.	MCF	bbls.	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

John B. Collins

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SW/DW, ETC.:
oil

Well No.

4

Lease Name

Herman

S 22 T 13 R 20 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
Top Soil-Post Rock	0	75		
Post Rock	75	135		
Shale	135	1030		
Sand	1030	1249		
Shale & Red. Bed	1249	1550		
Anhydrite	1550	1593		
Shale	1593	2335		
Shale & Lime	2335	3525		
Shale & Lime	3525	3609		
Lime	3609	3870		
TD	3870			

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

Date Received

John B. Collins

Signature

Operator

Title

12-28-78

Date