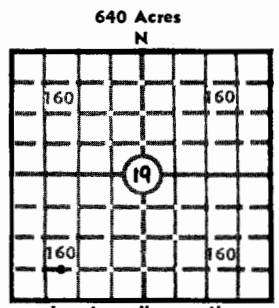


S. 19 T. 13 R. 20 ^X W
 Loc. E/2 SW SW
 County Ellis



Locate well correctly
 Elev.: Gr. 2298
 DF 2300 KB 2302

KANSAS DRILLERS LOG

API No. 15 _____
 County _____ Number _____

Operator
Liberty Enterprises, Inc.

Address
308 West Mill Plainville, Kansas 67663

Well No. #1 Lease Name Herbert

Footage Location
660 feet from ~~160~~ (S) line 990 feet from (W) line

Principal Contractor Ranger Drilling Geologist Robert Pfannenstiel

Spud Date 10-31-80 Total Depth 4000 P.B.T.D. _____

Date Completed 11-6-80 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
surface	12 1/2"	8 5/8"	28#	230'	common	150	2% gel, 3% cc
production	7 7/8"	4 1/2"	10.5#	3997	common	150	10% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			.5		3914-42

TUBING RECORD

Size	Setting depth	Packer set at
2" eve	3936	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gallon I.N.S. at 1000# broke to 300#	3914-42
Frac 20,000# sand + 940 bbl. gelled water	3914-42

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 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 Liberty Enterprises, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. #1	Lease Name Herbert	OIL
S <u>19</u> T <u>13</u> R <u>20</u> ^{EX} 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
<p>Geological & Completion Reports Enclosed</p>				

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

Date Received	 <small>Signature</small>
	Robert F. Pfannenstiel <small>Title</small>
	Petroleum Geologist <small>Title</small>
	March 5th, 1981 <small>Date</small>