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KANSAS DRILLERS LOG

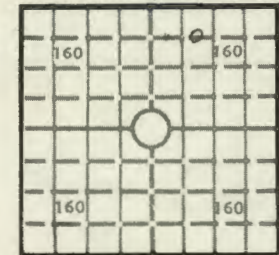
State Geological Survey
WICHITA BRANCH

S. 29 T. 14S R. 12E E W

Loc. E/2 NW NE

County Wabaunsee

640 Acres
N



Locate well correctly

Elev.: Gr. 1387

DF 1389 KB 1391

API No. 15 — 197 — 20,100
County Number

Operator
Gear Petroleum Company

Address
300 Sutton Place Wichita, Kansas 67202

Well No. 2 Lease Name Harrold

Footage Location 4708 FSL 1727 FEL - KCC Rule
660 feet from (N) line 1580 feet from (E) line

Principal Contractor Brandt Drilling Co., Inc. Geologist

Spud Date 11-12-79 Total Depth 3005' P.B.T.D.

Date Completed 11-20-79 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	11"	8 5/8"	24#	200'	common	150	
Production	7 7/8"	5 1/2"		2997'	common	125	

LINER RECORD

PERFORATION RECORD

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

Size	Setting depth	Packer set at
2 7/8	3000	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production 1-2-80	Producing method (flowing, pumping, gas lift, etc.)				
RATE OF PRODUCTION PER 24 HOURS	Oil 50 bbls.	Gas None MCF	Water 50 bbls.	Gas-oil ratio -	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s) Open Hole 2997-3005		

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 Gear Petroleum Company DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: oil

Well No. 2 Lease Name Harrold

S 29 T 14 S R 12 E W Wabaunsee County, Kansas

WELL LOG

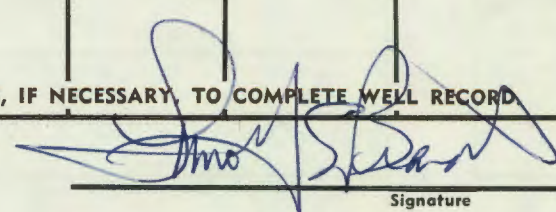
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale	0	55		
Lime	55	110		
Shale	110	115		
Lime & shale	115	140		
Shale, sandy	140	650		
Lime & shale	650	850		
Shale, black	850	940		
Lime	940	950		
Shale	950	1160		
Sandy shale	1160	1530		
Lime w/ shale s&ks.	1530	1730		
Shale, gray & black	1730	1850		
Sandy shale	1850	1875		
Lime	1875	2205		
Shale, green	2210	2545		
Dolomite	2545	2720		
Shale	2720	2785		
Lime	2785	2885		
Shale, green	2885	2985		
Sandy dolomite	2985	3005		
RTD	3005			
DST #1 30-45-45-45; Good blow; Rec. 200' MW, 270' Wtr; IFP 42-42, FFP 126-126; ISIP 962, FSIP 962.	2876	2890		
DST #2 30-45-45-45; Good blow; rec. 300' oil 120' SM&WCO, 390' SOCW; FP 42-168, 210-336; SIP 941-931	2995	3005		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD

Date Received


 Signature
 General Manager
 Title
 November 23, 1979
 Date