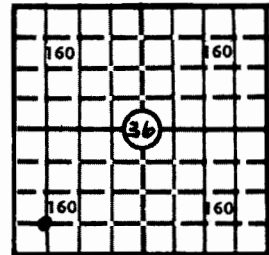


KANSAS DRILLERS LOG

API No. 15 — ¹⁷⁵ Seward County — 20276 Number

S. 36 T. 32S R. 31 W
 Loc. C SW SW
 County Seward

640 Acres
N



Operator: Petroleum Inc.
 Address: P. O. Box 1255 Liberal, Kansas 67901
 Well No. #1 Lease Name Gano "D"
 Footage Location: 660 feet from (E) (S) line 660 feet from (E) (W) line
 Principal Contractor: Zenith Drilling Geologist: James Nichols
 Spud Date: 1/18/76 Total Depth: 6048' P.B.T.D.: 4700
 Date Completed: 3/15/76 Oil Purchaser:

Elev.: Gr. 2755
 DF KB 2766

CASING RECORD

State Geological Survey
 WICHITA BRANCH

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#	1535	35-65 poz. class 'H'	650	6% gel
Production	7 7/8"	5 1/2"	17# & 15.5#	6048	liteweight 50-50 poz	320	18% salt, 3/4 of 1% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	1 11/16/tornado	jet 5541-47
TUBING RECORD			2	3 1/8" casing gun	5502-04
Size	Setting depth	Packer set at	2	1 11/16 tornado	jet 4934-39
2 3/8"	4614		2	1 11/16 tornado	jet 4644-48

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal spearhead acid	5541-47
500 gals. spearhead acid	5502-04
2500 gals. 15% DS-30 acid	4934-39
2000 gals. 15% DS-30 acid	4644-48

INITIAL PRODUCTION

Date of first production: Producing method (flowing, pumping, gas lift, etc.): Shut in pending gas contract

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 Petroleum Inc. DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas

Well No. #1 Lease Name Gano "D"

S 36 T 32S R 31 X
W

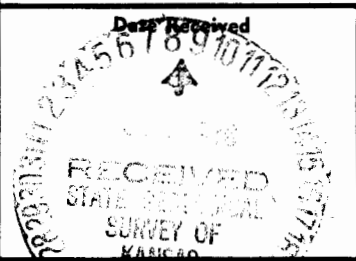
WELL LOG

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
DST #1 - 4336-4424 IOP - 20 ISI - 60 FOP - 60 FSI - 120 Rec. 540' heavy oil & gas cut mud IHP - 2343# IFP - 253-152# ISI - 996# FFP - 219-219#, 25 min. - 7 MCF FSI - 1080# FHP - 2229# BHT - 109°			Schlumberger E.L. Tops:	DIL/FOC/ CNL/GR
			Herrington	2622
			Krider	2650
			Winfield	2714
			Towanda	2770
			Wreford	2940
			Council Grove	2974
			Toronto	4288
			Lansing	4396
			Judy	4641
			Marmaton	5032
			Cherokee	5207
			Morrow Shale	5512
			Chester	5630
			St. Genevieve	5788
			St. Louis	5893
DST #2 - 5711-90 IOP - 20 ISI - 45 FOP - 45 FSI - 90 Rec. 60' gas cut mud IHP - 2933# IFP - 75-103# ISI - 137# FF - 103-103# FSI - 137# FHP - 2916# BHT - 129°				
DST #3 - 5934-80 IOP - 30 ISI - 60 FOP - 60 FSI - 120 Rec. 30' heavy oil cut mud & 482' water IHP - 3219# IFP - 65-131# ISI - 923# FF - 131-158# FSI - 936# FHP - 3166#				
DST #4 - 5977-6050 IOP - 30 ISI - 60 FOP - 60 FSI - 120 Rec. 140' oil cut mud & 180' muddy salt water IHP - 3744# IFP - 65-105# ISI - 1711# FF - 131-181# FSI - 1737# FHP - 3047# BHT - 127°				
DST #5 - 4601-53 IOP - 30 ISI - 60 FOP - 30 FSI - 60 Rec. 390' gas cut mud, gas to surface 5 min. preflow 288MCF in 10 min. 370MCF in 20 min., 446 MCF in 30 min., Final flow 446MCF in 10 min., 487MCF in 20 min., 522MCF in last 40 min. IHP - 2281# IFP - 171-205# ISI - 1478# FF - 188-257# FSI - 1478# FHP - 2247# BHT - 116°				

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



Signature

Title

Date