

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH

S. 14 T. 20S. 9E E

API No. 15 — County — Number —

Loc. NW NW NW

County Chase

Operator

Brandt Oil Company

Address

9505 W. Central #104 Wichita, Kansas 67212

Well No.

1

Lease Name

Arbuthnot

Footage Location

330

feet from (N) (S) line

330

feet from (E) (W) line

Principal Contractor

Brandt Drilling Co., Inc.

Geologist

Earl O. Brandt

Spud Date

5-14-77

Total Depth

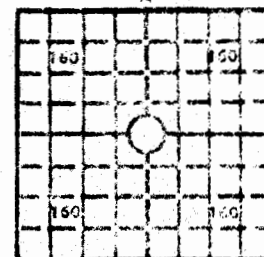
2465'

P.B.T.D.

Date Completed

5-20-77

Oil Purchaser

640 Acres
N

Locate well correctly

Elev.: Gr. 1322'

DF 1324' KB 1326'

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"			84'	common	50	3% chloride

LINER RECORD

PERFORATION RECORD

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

TUBING RECORD

Size	Setting depth	Perfor 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
		bbls.	MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		

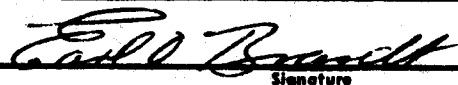
INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, 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.

Brandt Oil Comp.
Well No. 1 Lease Name Arbuthnot WICHITA, BRANCH
S 14 T 20S R 9E W Chase County, Kansas

WELL LOG			SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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
Lime, hard dense cherty	0	50		
Lime	50	110		
Lime & Shale	110	152		
Shale, lime stks.	152	133		
Lime & Shale	133	294		
Shale	294	302		
Sand, fine	302	322		
Shale	322	342		
Sand	342	352		
Sandy shale	352	376		
Lime	376	381		
Sand & shale	381	446		
Lime	446	532		
Lime & Shale	532	600		
Sand	600	622		
Shale	622	677		
Lime	677	697		
Shale, lime stks.	697	753		
Lime, chalky	753	794		
Lime and shales	794	1056		
Lime, granular & chalky	1056	1039		
Shale, black	1039	1056		
Lime, brown hard	1056	1121		
Shale & sandy shale	1120	1209		
Sand, micaceous	1209	1221		
Shale, sandy & silty	1221	1416		
Lime	1416	1670		
Shale	1670	1630		
Lime	1630	1700		
Shale	1700	1709		
Lime, chalky & soft	1709	1313		
Shales, sandy & dirty	1313	1929		
Lime, hard	1929	1945		
Shaley lime	1945	1966		
Lime, very dense	1966	1977		
Shale & Lime	1977	2022		
Lime, cherty	2022	2059		
Shaley lime	2059	2076		
Shale, black	2076	2032		
Lime	2032	2033		
Shale, green	2033	2032		

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

Date Received	Con't Page 2
	Signature
	Title
	Date

Brandt Oil Company		State Geological Survey		WICHITA, BRANCH		Dry Hole	
Well No.		Lease Name		14-20-9			
# 1		Arbutnot					
S 14 T 20 R 9 E							
WELL LOG				SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.			
FORMATION DESCRIPTION, CONTENTS, ETC.				TOP	BOTTOM	NAME	DEPTH
page 2						LOG	TOPS
Sand & shale				2092	2172	Heebner	1089 (21
Lime				2172	2137	Lansing	1416 (-
Shale, black				2187	2194	B.K.C.	1818 (- 49
Shale				2194	2225	Cher.	2088 (- 76
Coal				2225	2227	Ardmore Lm	2172 (- 84
Shale, lime stks.				2227	2282	Bv Sand	2282 (- 95
Sand				2232	2296	Burgess Sd	2425 (-109
Shale & sand				2296	2327	Miss	2440 (-111
Coal				2327	2330		
Shales, sand stks.				2330	2425		
Sand, grey				2425	2432		
Shale & coal				2432	2440		
Chert, fresh				2440	2446		
Dolomite, tan				2446	2453		
Dolomite, tan				2453	2465		
RTD				2465			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.							
Date Received		 Signature Owner - Geologist Title 5-25-1977 Date					