

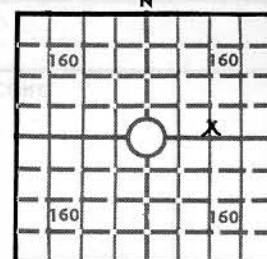
KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH

API No. 15 — 129 — 20270
County Number

S. 14 T. 31 R. 40 W
Loc. 2490' FSL X 1320' FEL

County Morton
640 Acres



Locate well correctly

Elev.: Gr. 3269

DF KB 3276

Operator
Amoco Production Company

Address
P. O. Box 432, Liberal, Kansas 67901

Well No. 2 Lease Name Northcutt Gas Unit "B"

Footage Location
2490 feet from (N) (S) line 1320 feet from (E) (W) line

Principal Contractor Service Drilling Company Geologist

Spud Date 8-19-76 Total Depth 2931 P.B.T.D. 2785

Date Completed 10-20-76 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 $\frac{1}{4}$	8 5/8	24#	619	Class "H"	400	3% CACL
Production	7 7/8	5 $\frac{1}{2}$	14#	2931	Special	600	10% SALT

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	$\frac{1}{2}$	2797-2806, 2704-46
					2754-60, 2717-27
					2704-10, 2680-85
					2671-75, 2666-68
					2660-62, 2652-54
					2643-49, 2633-38

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidize W/500 GAL 15% SQUEEZE W/150 SACKS	2797-2806
Acidize W/600 GAL 15%	2740-2760
Acidize W/2100 GAL BDA. FRAC W/100,000 GAL TREATED WATER & 200,000# RIVER SAND	2633-2760

INITIAL PRODUCTION

Date of first production 10-20-76 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS Oil Gas Water Gas-oil ratio
bbls. 3800 MCF bbls. CFPB

Disposition of gas (vented, used on lease or sold) Shut in waiting on pipe line connection Producing interval (s) 2633-2760

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 Amoco Production Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas	
Well No. 2	Lease Name Northcutt Gas Unit "B" #2		
S <u>14</u> T <u>31</u> R <u>40</u> W			
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
SAND-GYPSUM-RED BED	0	619	Compensated neutron
RED BED - SAND - LIME	619	1331	
SAND-GYPSUM-LIME-SHALE	1331	2178	
SHALE -LIME	2178	2623	
LIME - SHALE - ANAHYDRITE	2623	2931	
TD	2931		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received November 22, 1976	<div style="text-align: right; margin-bottom: 10px;"> <i>Joe McFarland</i> Signature </div> <div style="text-align: right; margin-bottom: 10px;"> <i>Administrative Assistant</i> Title </div> <div style="text-align: right;"> <i>November 22, 1976</i> Date </div>		