

KANSAS DRILLERS LOG

API No. 15 — 033 — 20,227
County Number

Operator

National Oil Company

Address

200 W. Douglas, Suite 550, Wichita, KS 67202

Well No.

1

Lease Name

Murdock "B"

Footage Location

780 feet from (N) line 2090 feet from (E) line

Principal Contractor

Abercrombie Drilling

Geologist

Bill Sladek

Spud Date

June 5, 1977

Total Depth

5305

P.B.T.D.

Date Completed

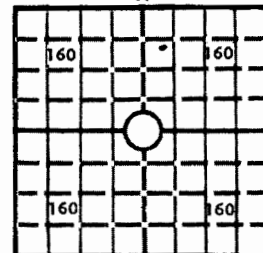
June 17, 1977

Oil Purchaser

S. 10 T. 35S R. 16W E W

Loc. 110'W & 120'S of
C NW NE

County Comanche

640 Acres
N

Locate well correctly

Elev.: Gr. 1832

DF 1834 KB 1837

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
Conductor	17	13-3/8		146	Common	200	3% cc
Surface	12 1/4	8-5/8		357	Common	220	2% gel, 3%cc

LINER RECORD

PERFORATION RECORD

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

TUBING RECORD

Size	Setting depth	Packer set at			

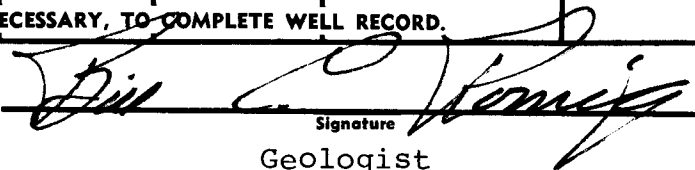
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

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	
	bbis.	MCF	bbis.	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 National Oil Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Dry Hole	
Well No. 1	Lease Name Murdock "B"		
S 10 T35S R16W E W 110'W, 120'S of C NW NE			
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
DST #1, 5232-85'; 45-45-45-45; Rec 50' mud; IBHP 102; FBHP 83; IFP 46-56; FFP 56-74.			<u>Log Tops</u> Heebner 4332 -2495 Lansing 4531 -2694 Hertha 4977 -3140 B/Ks City 5047 -3210 Marmaton 5060 -3223 Cherokee 5205 -3368 Mississippi 5264 -3427
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 _____ Signature Geologist _____ Title July 18, 1977 _____ Date		

10-22-1977

CONTRACTOR'S WELL LOG

OPERATOR:	The National Oil Company
CONTRACTOR:	Abercrombie Drilling, Inc.
WELL NAME:	Murdock "B" #1
LOCATION:	C NW NE Section 10-35S-16W Comanche County, Kansas
SPUD DATE:	June 5, 1977
COMPLETION DATE:	June 17, 1977

0	130	Soil and sand
130	384	Shale & red beds
384	1185	Shale, lime & red beds
1185	1942	Shale
1942	2320	Shale & lime
2320	2520	Lime & shale
2520	3213	Shale & lime
3213	3565	Lime & shale
3565	4143	Shale & lime
4143	4360	Lime & shale
4360	4463	Shale & lime
4463	4685	Lime & shale
4685	4761	Shale & lime
4761	4941	Lime & shale
4941	5029	Shale & lime
5029	5162	Lime & shale
5162	5230	Shale & lime
5230	5285	Lime
5285	5305	Lime & shale
	5305	Rotary Total Depth

Spud hole on June 5, 1977, drilled 107' of 12 $\frac{1}{4}$ " hole. Lost circulation. June 6, 1977, drilled 175' of 17" hole, set 13-3/8" pipe at 146' K.B. Cemented with 200 sacks common cement, 3% CaCl. June 7, 1977, drilled 384' of 12 $\frac{1}{4}$ " hole, ratholed ahead; 7-7/8" hole to 1987', no lost circulation problems. Set 8-5/8" casing at 357' K.B. with 220 sacks common cement, 2% gel, 3% CaCl. Plug was down at 11:45 a.m., June 7, 1977.

T.D. 5305'. Set first plug at 390' with 40 sacks, 40' solid bridge with 12 sacks, 3 sacks in rathole. Job was complete at 4:45 p.m., June 17, 1977. State Plugger; J. H. Metz.

STATE OF KANSAS)
) ss
COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the Murdock "B" #1; C NW NE Section 10-35S-16W, Comanche County, Kansas.