

KANSAS DRILLERS LOG

API No. 15 — 007 — 20,630
County Number

S. 16 T. 32 R. 14 E
Loc. 35' N & 15' E/SW NE

County Barber

Operator

Aylward Drilling Company

Address

909 First National Bank Building Wichita, Kansas 67202

Well No.

#4-A

Lease Name

Barkley

Footage Location

1945

feet from (N) line

1965

feet from (E) line

Principal Contractor

Abercrombie Drlg. Co.

Geologist

Frank Hamlin

Spud Date

6-12-78

Total Depth

4585

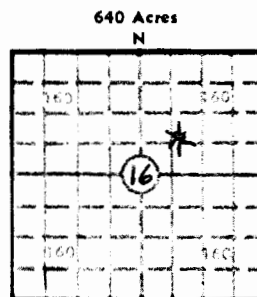
P.B.T.D.

Date Completed

6-23-78

Oil Purchaser

Cities Service Gas Co.



Locate well correctly

Elev.: Gr. 1786

DF 1792 KB 1794

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 pipe	12 1/4"	8 5/8"	28	914	Common	425	2% gel; 3% c. cl.
Production	7 7/8"	5 1/2"	14	4584	Common	100	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	5/8" - Jets	4506-19
TUBING RECORD					
Size	Setting depth	Packer set at			
2 3/8"	4503				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized w/ 350 gals. of De-mud acid	4506-19
Fraced w/ 6000# sand + 400 gals. 15% acid	4506-19

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
8-24-78		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	600,000	MCF 200	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
			4506-4519		

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 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

Operator Aylward Drilling Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas	
Well No. 4-A	Lease Name Barkley		
S <u>16</u> T <u>34</u> R <u>14</u> ^X _W SW NE, Barber 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
Gyp rock & red beds	0	284	
Red beds & shale	284	829	
Shale & shells	829	1003	
Lime & Shale	1003	1700	
Shale & Lime	1700	2052	
Lime & Shale	2052	2222	
Shale & Lime	2222	2438	
Lime & Shale	2438	2859	
Lime & Shale	2859	3908	
Shale & Sand	3908	4011	
Limestone	4011	4419	Lansing
Shale & Lime	4419	4504	
Chert	4504	4585	Mississippi
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature Manager Title 9-11-81 Date		

OPERATOR:
CONTRACTOR:
WELL NAME:
LOCATION:

SPUD DATE:
COMPLETION DATE:

Aylward Drilling Company
Abercrombie Drilling, Inc.
Barkley Estate #4-A
35' N & 15' E of SW NE
Section 16-32S-14W
Barber County, Kansas
June 12, 1978
June 23, 1978

0	284	Gyp rock & red beds
284	829	Red beds, shale
829	1003	Shells & shale
1003	1700	Red beds & shale
1700	2052	Lime & shale
2052	2222	Shale & lime
2222	2438	Lime & shale
2438	2859	Shale & lime
2859	3993	Lime & shale
3993	4010	Lime, shale & sand
4010	4453	Lime & shale
4453	4515	Lime, shells & chert
4515	4525	Shale & lime
4525	4585	Lime & shale
	4585	Rotary Total Depth

Spud hole at 6:15 p.m., June 12, 1978. Drilled 1003' of 12½" hole. Ran 29 joints of 8-5/8" 24# casing. Set at 914' with 425 sacks common cement, 3% CaCl, 2% gel. Job complete at 4:10 p.m., June 13, 1978. Cement did circulate.

T.D. 4585'. Ran 143 joints of 5½" - 15½# casing. Set at 4581' with 100 sacks common cement. Job complete at 1:45 p.m., June 23, 1978.

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 Barkley Estate #4-A, 35' north and 15' east of the SW NE Section 16-32S-14W, Barber County, Kansas.

ABERCROMBIE DRILLING, INC.

BY *Jack L. Partridge*
Jack L. Partridge,
Assistant Secretary-Treasurer