

PT

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOG

State Geological Survey
WICHITA BRANCH

S. 12 T. 32 R. 12 ^K_W
Loc. W/2-W/2-SW
County Barber

API No. 15 — 007 — 21,087
County Number

Operator
Aylward Drilling Company

Address
980 First National Bank Bldg., Wichita, Kansas 67202

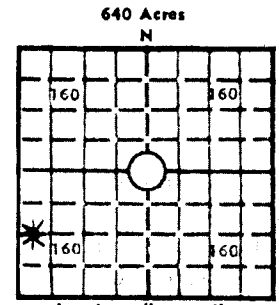
Well No. 5 Lease Name Doherty

Footage Location
1320 feet from (X) (S) line 330 feet from (X) (W) line

Principal Contractor Graves Drilling Company, Inc. Geologist Kenneth B. Hamlin

Spud Date 1-21-81 Date Completed 1-28-81 Total Depth 4300 P.B.T.D. 4288

Directional Deviation N/A Oil and/or Gas Purchaser Permian Corporation



Elev.: Gr. 1452
DF 1460 KB 1462

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 1/2"	8 5/8"	28#	227	Common	200	2% gel; 3% c.c.
Production	7 7/8"	4 1/2"	10.5#	4298	"	100	+ 5 sx. Na. Cl.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	5/8" - Jets	4237-4246 & 4226-4254

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	4523	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized w/250 gals. mud acid	4237-4246 & 4226-4232
Fraced w/20,000# Sand	4237-4246 & 4226-4232

INITIAL PRODUCTION

Date of first production <u>2-12-81</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping & Flowing</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>45</u> bbls. Gas <u>120</u> MCF Water Gas-oil ratio <u>2.7:1</u> CFPB
Disposition of gas (vented, used on lease or sold) <u>Sold - KP&L</u>	Producing interval (s) <u>4237-4246 & 4226-4232</u>

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, 245 No. Water, Wichita, Kansas 67202. 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 Aylward Drilling Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 5	Lease Name Doherty	Oil & Gas
S 12 T 32 R 12 ^{XE} _W W/2-W/2-SW, Barber County, Kansas		

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
Sand & Red Bed	0	230		
Red Bed	230	1121		
Red Bed & Shale	1121	1650		
Shale & Lime	1650	3702		
Lime & Shale	3702	3853		
Shale & Lime	3853	3957		
Lime & Shale	3957	4077		
Shale & Lime	4077	4300		
Rotary Total Depth		4300		

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

Date Received	<i>P. Frank Hamilton</i> Signature
	Manager Title
	9-30-81 Date

P

12-32-12W

ROTARY DRILLERS' LOG WICHITA, KANSAS BRANCH

OPERATOR: Aylward Drilling Co.
909 First National Bank Bldg.
Wichita, Kansas 67202

DRILLING COMMENCED: January 21, 1981

CONTRACTOR: Graves Drilling Co., Inc.
909 Union Center
Wichita, Kansas 67202

DRILLING COMPLETED: November 28, 1981

FEB 9, 1981

CASING RECORD: 5 Jts. 239' of used 8-5/8"
cemented with 200 sacks.

106 Jts. 4298' of new 4 1/2"
cemented with 100 sacks.

LOCATION: Doherty No. 5
W/2 W/2 SW
Section 12-32S-12W
Barber County, Kansas

60b

0 - 230	Sand & red bed
230 - 1121	Red bed
1121 - 1650	Red bed & shale
1650 - 3702	Shale & lime
3702 - 3853	Lime & shale
3853 - 3957	Shale & lime
3957 - 4077	Lime & shale
4077 - 4300	Shale & lime
4300	Rotary Total Depth

I hereby certify the foregoing statements to be true and correct to the best of my knowledge.

Copy sent to:
State Corporation Commission
Kansas Geological Society
Kansas Geological Survey

GRAVES DRILLING CO., INC.

By *Betty Brandt*
Secretary-Treasurer

STATE OF KANSAS)
) ss.
SEDGWICK COUNTY)

Subscribed and sworn to before me, a Notary Public, this 4th day of February, 1981.

Rebecca L. Matthews
Rebecca L. Matthews Notary Public

My commission expires: May 17, 1983