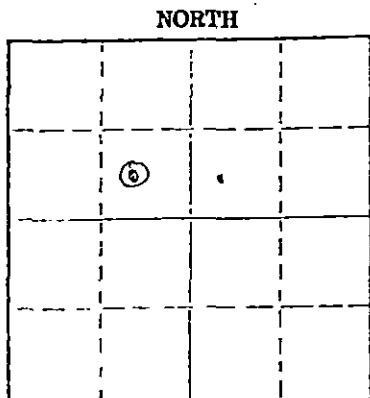


STATE OF KANSAS
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
P. O. BOX 17027
WICHITA, KANSAS 67217

FORM CP-4

WELL PLUGGING RECORD



Locate well correctly on above
Section Plat

Meade County. Sec. 17 Twp. 35 Rge. 30 (E) (W)
Location as "NE/CNW/SE/SW" or footage from lines 1275' ENL & 1435' EEL
Lease Owner Northern Natural Gas Co
Lease Name Adams Well No. 1-17
Office Address P.O. Box 35288, Tulsa, OKla. 94135
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed 7-7 1978
Application for plugging filed 7-7 1978
Application for plugging approved 7-7 1978
Plugging commenced 7-8 1978
Plugging completed 7-8 1978
Reason for abandonment of well or producing formation Dry Hole
If a producing well is abandoned, date of last production 19
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Clarence Thomas, Garden City, Ks.
Producing formation Depth to top Bottom Total Depth of Well 6520'
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				20"	40'	None
				8 5/8"	1440	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the well. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Heavy drlg fluid circulated top to bottom

20sx.cmt. - (5152' - 5092')
20sx cmt - (4440' - 4380')
50sx Cmt - (1400' - 1250')
10sx Cmt - (40-3' BGL.)
5sx Cmt - Rat hole
5sx Cmt - Mouse hole

Heavy Mud placed between Plugs

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Pine Drlg Co. Rig #8
Address Woodward, OKla. 73801

STATE OF COUNTY OF SS.

 (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Robert W. Ward

Subscribed and Sworn to before me this 21st day of July 1978

My commission expires 1-19-82

Rebecca Lynn Hyley
(Notary Public)

KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request
samples on this well.

15-119-20315-0000

API No. 15 — 119 — 20,315
County Number

Operator

Northern Natural Gas Co.

Address

P. O. Box 35288 Tulsa, Okla 74135

Well No.

#1-17

Lease Name

Adams

Footage Location

1275

feet from (N) (S) line

1435

feet from (W) line.

Principal Contractor

Rine Drilling

Geologist

Spud Date

6/21/78

Total Depth

6520'

P.B.T.D.

Date Completed

7/8/78

Oil Purchaser

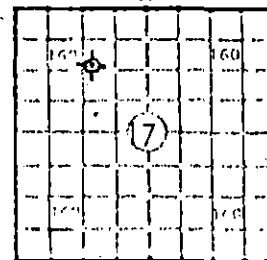
S. 17 T. 35 R. 30 E W

Loc. 1275' FNL & 1435' FWL

County Meade

640 Acres

N



Locate well correctly

2466'

Elev.: Gr.

DF 2475' KB 2478'

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#	1440'	Common Class H	150 550	3% CC, $\frac{1}{4}$ # Flocele 2% CC, $\frac{1}{4}$ # Flocele

LINER RECORD

PERFORATION RECORD

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

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

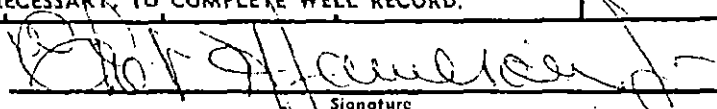
Amount and kind of material used	Depth interval treated

RECEIVED
STATE CORPORATION COMMISSION
SEP 25 1978

INITIAL PRODUCTION CONSERVATION DIVISION
Wichita, Kansas

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
RATE OF PRODUCTION PER 24 HOURS	Oil bbls. Gas MCF Water bbls. Gas-oil ratio 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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Northern Natural Gas Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Dry Hole	
Well No. 1-17	Lease Name Adams		
S <u>17</u> T <u>35S</u> R <u>30</u> ^E _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
Surface	0	125	
Red bed & sand	125	811	
Red bed, gypsum, anhydrite & sand	811	1312	
Anhydrite & sand	1312	1445	
Red bed & shale	1445	2140	
Shale	2140	2537	
Dolomite	2537	2738	
Shale	2738	3047	
Dolomite	3047	3220	
Lime & shale	3220	3395	
Shale	3395	3627	
Lime & shale	3627	4880	
Shale & sand	4880	5035	
Lime & shale	5035	6520	
GO Wireline Services Ran: Dual Induction - Laterolog Compensated Density Compensated Neutron Log Analysis Induction Density Log. Complex Lithology Log RECEIVED STATE CORPORATION COMMISSION SEP 25 1978 CONSERVATION DIVISION Wichita, Kansas			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature Director of Production & Engineering Title July 28, 1978 Date		