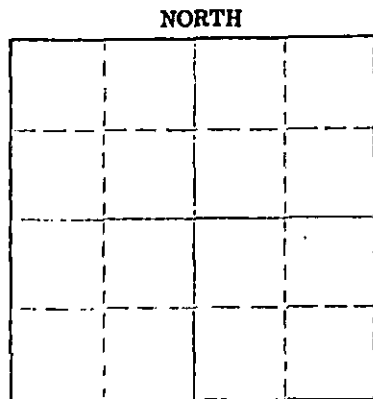


STATE OF KANSAS
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
P. O. BOX 17027
WICHITA, KANSAS 67217

FORM CP-4

WELL PLUGGING RECORD



Locate well correctly on above
Section Plat

Pawnee County. Sec. 10 Twp. 20 Rge. 19 (E) (W)
Location as "NE/CNW&SW" or footage from lines. NW NE SW
Lease Owner National Cooperative Refinery Assn.
Lease Name Hagerman #4 Well No.
Office Address Great Bend, Kansas 67530
Character of Well (completed as Oil, Gas or Dry Hole)
Date well completed 19
Application for plugging filed 19
Application for plugging approved 19
Plugging commenced 7/15/76 19
Plugging completed 7/23/76 19
Reason for abandonment of well or producing formation depleted.
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 Massey
Producing formation Depth to top Bottom Total Depth of Well 4217 Feet
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
				8-5/8	134	none
				5 1/2"	4217	3214

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 hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Sanded to 4150' and ran 4 sacks cement. Shot pipe at 3910', 3200', pulled 100 joints. Squeezed with 10 sacks gel, 3 sacks hulls, 15 sacks gel, released plug and displaced with 130 sacks cement.

PLUGGING COMPLETE.

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor KELSO CASING PULLING
Address CHASE, KANSAS

STATE OF KANSAS COUNTY OF RICE ss.
R. DARRELL KELSO (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) *R. Darrell Kelso*
CHASE, KANSAS (Address)

Subscribed and Sworn to before me this 26th day of July 1976

My commission expires
NOTARY PUBLIC
KANSAS
MARGARET MELCHER
Rice County, Ks.
My Comm. Exp. Feb. 15, 1979

Margaret Melcher
Notary Public.

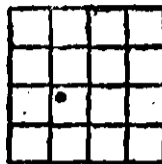
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock,
Wichita, Kansas

Company M. B. ARMER
Farm Hagerman No. 4

SEC. 10 T. 20 R. 19W
NW NE SW

Total Depth. 4217
Comm. 10-23-54 Comp. 11-6-54
Shot or Treated.
Contractor. Armer, Inc.
Issued. 1-15-55

County Pawnee
KANSAS



CASING:
8 5/8 134'
5 1/2 4217'

Elevation. 2234 KB

Production. 444 bbls.

Figures Indicate Bottom of Formations.

surface clay, shale & shells	134
red bed & shale	300
red bed, shale & shells	770
sand	965
red bed	980
shale & shells	1327
anhydrite	1355
shale, gyp & shells	1685
shale & shells	1950
shale & lime	2485
lime	2555
lime & shale	2935
shale & shells	3080
shale & lime	3500
lime	3585
lime & shale	3710
lime	4055
lime & shale	4157
lime	4192
lime & shale	4207
shale & sand	4217
Total Depth	

TOPS: (RB Meas.)	
Heebner	3648
Brown lime	3698
Lansing	3674
Conglomerate sand	4144

RECEIVED
STATE COMMISSION

MAR 11 1976

CONSERVATION DIVISION
Wichita, Kansas