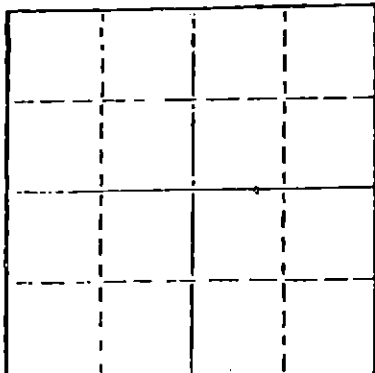


STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to
Conservation Division
State Corporation Comm.
245 North Water
Wichita, KS 67202

Pawnee County, Sec. 10 Twp. 20 Rge. 19 E/W
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines _____
SW SW NW
Lease Owner National Cooperative Refinery Assn.
Lease Name Hagerman #1 Well No. _____
Office Address Great Bend, Kansas 67530
Character of Well (Completed as Oil, Gas or Dry Hole) _____



Locate well correctly on above
Section Plat

Date Well completed _____ 19____
Application for plugging filed _____ 19____
Application for plugging approved _____ 19____
Plugging commenced 7/18/78 _____ 19____
Plugging completed 7/24/78 _____ 19____
Reason for abandonment of well or producing formation _____

If a producing well is abandoned, date of last production _____ 19____
depleted.

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 4413
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
				10-3/4	132	none
				7"	4235	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 hold. 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 6 sacks cement. Set rock bridge at 500' in 7", had steel plate welded
on surface with a 2" collar in plate. Pumped 70 sacks cement in 7" and 80 sacks in surface.

PLUGGING COMPLETE.

RECEIVED
STATE CORPORATION COMMISSION

JUL 28 1978

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

Name of Plugging Contractor KELSO CASING PULLING CONSERVATION DIVISION
CHASE, KANSAS Wichita, 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, 19 78



My commission expires _____

Margaret Melcher
Notary Public.

FILE

Company: M. B. Armer
 Contractor: M. B. Armer (Unit Rig)
 Drilling Commenced: 2/27/53
 Drilling Completed: 3/20/53
 Elevation: 2239 Cr.
 2242 D.F.
 2244 K.B.

Farm: Hagerman #1
 Location: SW SW NW
 Sec. 10-20S-19W
 Pawnee County, Kans.
 Casing Records: 10-3/4" casing
 at 132' with 85 sacks cement.
 7" casing at 4235' with 100
 sacks cement.

(figures below indicate bottoms)

Clay & Sand	30
Shale & Shells	127
Shale, Shells & "Sand Streak"	400
Shale & Shells	650
Red Bed, Shale & Shells	710
Shale & Red Bed	805
Sand	995
Shale, Shells & Sand Streaks	1335
Shale & Shells	1380
Anhydrite	1415
Shale, Shells & Red bed	1660
Shale & lime	1785
Anhydrite	1830
Shale, Lime & Shells	1945
Shale Blue Stickey & Red Bed	2075
Lime & Shale	2555
Shale, Red Bed & Lime	2645
Shale & Lime	3626
Lime	3744
Lime & Shale	3847
Lime	3939
Shale & Lime	3989
Lime	4023
Lime & Shale	4168
Cherty Congl.	4247
Cherty Viola	4274
Cherty Lime	4307
Lime	4358
Cherty Lime	4355
Lime	4375
Sand & Lime	4390
Arb. Lime	4413
R.T.D.	4413

FORMATION TOPS (H.S. Meas.)

HEEBER	3658
LANSING-KANSAS CITY	3708
CONGLOMERATE	4168
VIOLA	4235
STAPSON	4371
ARBUCKLE	4389

My Commission Expires: Oct. 13, 1956.

John W. Simpson
 Notary Public

STATE OF KANSAS
 COUNTY OF SEDWICK
 ss:
 Subscribed and sworn to before me, a notary public, in and for
 said County and State this 26th day of March, 1953.

RECEIVED
STATE CORPORATION COMMISSION

MAY 19 1978

CONSERVATION DIVISION
Wichita, Kansas

I hereby certify that this is a true and correct log of the above described well as shown by the drilling reports.