

STATE OF KANSAS  
STATE CORPORATION COMMISSION

15-081-00449-00-00

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

Haskell County, Sec. 20 Twp. 30S Rge. 31W E/W  
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines \_\_\_\_\_  
C NW

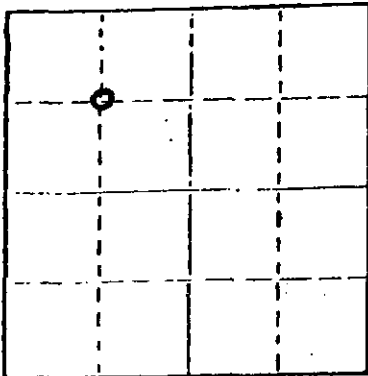
Lease Owner Graham Michaelis  
Lease Name Hammer B Well No. 1

Office Address Box 769 Woodward, Oklahoma 73801  
Character of Well (Completed as Oil, Gas or Dry Hole) \_\_\_\_\_

Hugoton gas well.  
Date Well completed January 19 56  
Application for plugging filed March 26 19 81  
Application for plugging approved \_\_\_\_\_ 19 \_\_\_\_\_  
Plugging commenced \_\_\_\_\_ 3-19 19 81  
Plugging completed \_\_\_\_\_ 3-23 19 81  
Reason for abandonment of well or producing formation \_\_\_\_\_  
depleted

If a producing well is abandoned, date of last production  
February, 1980 19 \_\_\_\_\_

Was permission obtained from the Conservation Division or  
its agents before plugging was commenced? Yes



Locate well correctly on above  
Section Plot

Name of Conservation Agent who supervised plugging of this well Clarence Thomas  
Producing formation Herrington-Krider Depth to top 2648 Bottom 2711 Total Depth of Well 2728  
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

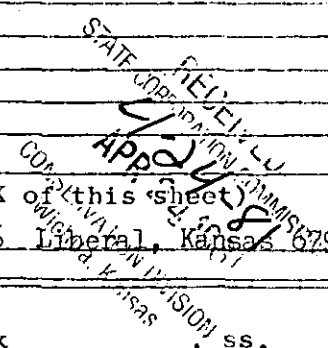
FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8 5/8	591	none
				5 1/2	2728	1200

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.

- Pump 25 sks. of cement from 1200 to 1100
- Pump 35 sks. of cement from 650 to 550
- Put 10 sks. of cement from 40 to 0
- Cut off & cap 8 5/8 3' below ground level

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

Name of Plugging Contractor Sargents Casing Pulling Ser. Box 506 Liberal, Kansas 67901



STATE OF Kansas COUNTY OF Sedgwick ss.  
Jack L. Yinger (employee of owner) or (owner or operator)

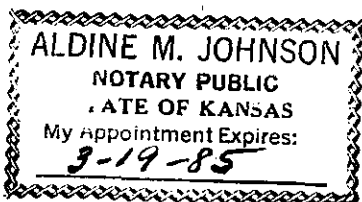
of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Jack L. Yinger  
P. O. Box 247, Wichita, Kansas 67201  
(Address)

SUBSCRIBED AND SWORN TO before me this 23rd day of April, 1981

Aldine M. Johnson  
Aldine M. Johnson Notary Public.

My commission expires March 19, 1985



APR 17 1981

B- No. 1 Hammer

## Well Report:

Location: C NW/4 Sec. 20-30S-31W  
Haskell County, Kansas

Commenced: December 19, 1955.

Completed: December 23, 1955.

Casing Record: 8-5/8" @591'. Cemented with 300 sacks.  
5 1/2" @2728'. Cemented with 400 sacks.

Elevation: None available.

Formation Tops	Datum
Hollenberg: 2559	Plus 291
Herrington: 2621	Plus 229
Upper Krider:- 2647	Plus 203
Lower Krider: 2681	Plus 169
Winfield: 2724	Plus 126

Completion Data: Perforated 2710-11', squeezed W/200 sacks.  
Standing pressure 3500#. Perforated 2648-60'-  
and perforated 2678-90', - 4 shots per foot.  
Treated in the lower zone with 2000 gals. frack.  
Maximum pressure 1900#, finished on 700#. Treated  
Upper zone with 3000 gals. frack. Max. pressure  
1100#, finished on 240#. 72-20 gauged 8, 336 MCF.

## Formation Description:

Herrington - Dolomite grey, dense, slightly micaceous, finely sandy fine crystalline tight.

Upper Krider - Dolomite, light grey fine crystalline, finely sandy at the top, becoming crystalline with fair crystalline porosity and shale streaks.

Lower Krider - Dolomite, light grey medium crystalline to crystalline fossiliferous, with streaks of fair to good porosity and traces of white opaque chert.

Winfield - Limestone, white to light grey, medium crystalline, fossiliferous fair to good porosity.

## Structure:

Based on the Upper Krider, the B- No. 1 Hammer is 4' higher than the well in the section North and is on the same datum as the well in the section South.

MICHAELIS DRILLING COMPANY

By: \_\_\_\_\_  
John L. James, GeologistRECEIVED  
STATE REGULATION COMMISSION

FEB 27 1981

CONS. DIVISION  
Wichita, Kansas