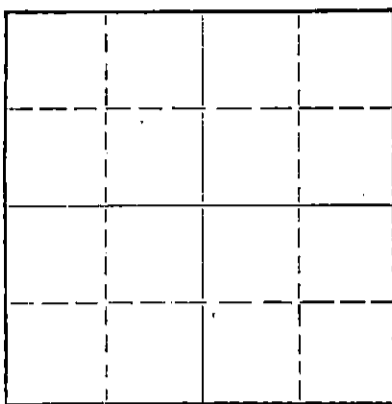


STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division,
State Corporation Commission
212 No. Market
Wichita, Kansas

Pawnee County, Sec. 4 Twp. 20S Rge. 16 (E) 16 (W)
Location as "NE/CNW/SW" or footage from lines SW SE NW
Lease Owner Tenneco Oil Company
Lease Name Hagerman Well No. 1-4
Office Address P. O. Box 2410, Denver
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed November 7, 19 69
Application for plugging filed 19
Application for plugging approved 19
Plugging commenced November 7, 19 69
Plugging completed November 7, 19 69
Reason for abandonment of well or producing formation Dry Hole



Locate well correctly on above Section Plat

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?

Name of Conservation Agent who supervised plugging of this well Yes (Leo Massey of Hays)
Producing formation Depth to top Bottom Total Depth of Well 3952 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
	Surface	0	1072'	8-5/8"	1072'	None
	Casing					

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.

Heavy Mud from Total Depth to 350 Feet,
Plug & 25 sax Cement thru Drill Pipe;
Mud to 40 Feet, 1/2 sax Hulls & Plug Bridged
w/Kelly; 10 sax Cement to Base of Cellar;
2 sax Cement in Rat Hole. Job Completed
@ 7 A.M. on 11/7/69.

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STATE CORPORATION COMMISSION
NOV 17 1969
CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Sage Drilling Co., Inc.
Address 500 Bitting Building, Wichita, Kansas 67202

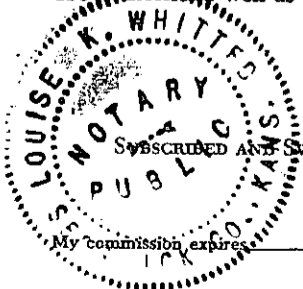
STATE OF KANSAS COUNTY OF SEDGWICK, ss.
Wayne W. Kahmeyer of Sage Drilling Co. (employee of owner) or (owner or operator) of the above described well being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above described well as filed and that the same are true and correct. So help me God.

(Signature) Wayne W. Kahmeyer
500 Bitting Building, Wichita, Kansas 67202
(Address)

Subscribed and sworn to before me this 7th day of November, 19 69

November 26, 1970.

Louise K. Whitted
Louise K. Whitted Notary Public.



DRILLERS LOG

HAGERMAN NO. 1-4

CASING RECORD:	OPERATOR:	Tenneco Oil Company	DESCRIPTION:
8-5/8" @ 1072' w/500 sax cement	CONTRACTOR:	Sage Drilling Co., Inc.	SW SE NW Sec. 4-20S-16W Pawnee Co., Kansas
TOTAL DEPTH: 3952'	COMMENCED:	October 31, 1969	ELEVATION: 2022 KB
	COMPLETED:	November 7, 1969	

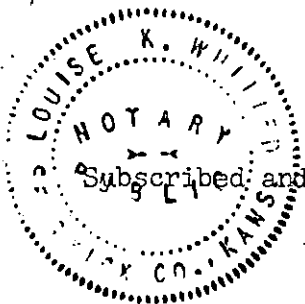
<u>REMARKS</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Sand & Shale	0	380	
Shale	380	446	
Sand & Shale	446	600	
Red Bed & Shale	600	1058	
Anhydrite	1058	1096	
Shale & Red Bed	1096	1200	
Shale, Shells & Sandy Lime Streaks	1200	1800	
Lime & Shale	1800	2535	
Shale & Lime	2535	2770	
Lime & Shale	2770	3106	
Shale & Lime	3106	3210	
Lime & Shale	3210	3481	
Lime	3481	3660	
Lime & Shale	3660	3740	
Shale, Lime & Chert	3740	3850	
Cherty Conglomerate	3850	3925	
Arbuckle	3925	3952	D&A

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STATE CORPORATION COMMISSION
NOV 17 1969
CONSERVATION DIVISION
Wichita, Kansas

I certify that this is a true and correct copy of the above log to the best of my knowledge.

SAGE DRILLING CO., INC.

By Wayne W. Kahmeyer
Wayne W. Kahmeyer



Subscribed and sworn to before me this 13th day of November, 1969.

Louise K. Whitted
Louise K. Whitted, Notary Public

My commission expires:
November 26, 1970.