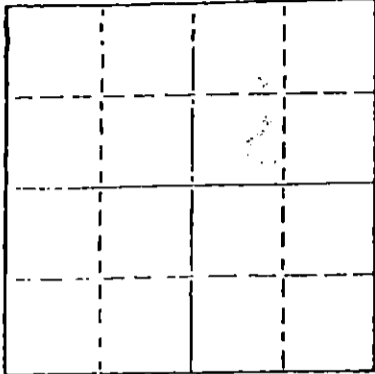


STATE OF KANSAS  
STATE CORPORATION COMMISSION

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

Hodgeman County. Sec. 9 Twp. 21S Rge. 25 XYW  
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines  
1980' FSL & 1980' FEL  
Lease Owner Energy Methods, Inc.  
Lease Name EMC-Grass Well No. #1-9  
Office Address 2850 Security Life Bldg 1616 Denver, Co. 80202  
Glenarm Place  
Character of Well (Completed as Oil, Gas or Dry Hole)



Locate well correctly on above Section Plat

Dry Hole.  
Date Well completed 11-9 1981  
Application for plugging filed 11-9 1981  
Application for plugging approved 11-9 1981  
Plugging commenced 11-9 1981  
Plugging completed 11-9 1981  
Reason for abandonment of well or producing formation

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 Jr.  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 4500'  
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	491'	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.

Mud to 900', 70 sx. cement.  
Mud to 480', 40 sx. cement.  
Mud to 40', 10 sx. cement.  
5 sx. in rathole.

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NOV 19 1981  
CONSERVATION DIVISION  
Wichita Kansas

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

Name of Plugging Contractor White & Ellis Drilling, Inc.  
401 E. Douglas Suite 500 Wichita, Ks. 67202

STATE OF Kansas COUNTY OF Sedgwick, ss.  
Ernest Sifford (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) Ernest Sifford  
401 E. Douglas #500 Wichita, Ks. 67202  
(Address)

SUBSCRIBED AND SWORN TO before me this 18th day of November, 1981

Carolyn J. Tjaden  
Carolyn J. Tjaden --- Notary Public.

My commission expires



**DRILLERS LOG**

OPERATOR: Energy Methods, Inc. 2850 Security Life Bldg. 1616 Glenarm Place Denver, Co. 80202

CONTRACTOR: White & Ellis Drilling, Inc., Box 448, El Dorado, Kansas 67042

Lease Name EMC-Grass Well No. #1-9

Sec. 9 T. 21S R. 25W Spot 1980' FSL & 1980' FEL

County Hodgeman State Kansas Elevation \_\_\_\_\_

**Casing Record:**

Surface: 8 5/8 @ 491' with 300 Sxs. 3%cc  
2%gel

Production: \_\_\_\_\_ @ \_\_\_\_\_ with \_\_\_\_\_ Sxs.

Type Well: D & A Total Depth 4500'

Drilling Commenced: 10-30-81 Drilling Completed 11-9-81

Formation	From	To	Tops
Cellar	0	3	
Sand	3	60	
Sandy Shale	60	302	
Sand, Shale	302	500	
Shale, Sandy Shale	500	992	
Shale, Lime	992	1660	
Shale	1660	2205	
Shale, Lime	2205	2675	
Lime, Shale	2675	3500	
Shale, Lime	3500	3680	
Lime, Shale	3680	4100	
Lime	4100	4408	
Lime, Chert	4408	4460	
Lime	4460	4500	

**COMPLETION RECORD**

Liner Record: Size \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Cementing Record: \_\_\_\_\_ Sacks \_\_\_\_\_

Perforating Record:

Formation	Perforated Interval	Number Shots
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Initial Production: \_\_\_\_\_

Electric Log Type and Depths Covered

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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 NOV 10 1981  
 CONSERVATION DIVISION  
 Wichita, Kansas