

9-21-25W
State Geological Survey
DRILLERS LOG
WICHITA BRANCH

OPERATOR: Energy Methods, Inc. 2850 Security Life Bldg. 1616 Glenarm Place Denver, Co.
 CONTRACTOR: **White & Ellis Drilling, Inc., Box 448, El Dorado, Kansas 67042** 80202

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

Production: _____ @ _____ with _____ Sxs. 2%gel

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: