

Pi

25-23-23W

DRILLERS LOG

State Geological Survey

WICHITA BRANCH

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

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

Lease Name EMC-Oliphant Well No. #1-25

Sec. 25 T. 23 R. 23W Spot C NE NE

County Hodgeman State Kansas Elevation

Casing Record:

Surface: 8 5/8 @ 449' with 300 Sxs.

Production: @ with Sxs.

Type Well: D & A Total Depth 4750'

Drilling Commenced: 9-4-81 Drilling Completed 9-12-81

Formation	From	To	Tops
Cellar	0	7	Mississippi 4628
Sandy Shale	7	640	
Sand, Sandy Shale	640	1396	
Shale	1396	1482	
Anhydrite	1482	1519	
Shale, Sandy Shale	1519	1920	
Shale	1920	2290	
Shale, Lime	2290	2905	
Lime, Shale	2905	4628	
Lime	4628	4750	

COMPLETION RECORD

Liner Record: Size From To

Cementing Record: Sacks

Perforating Record:

Number Shots