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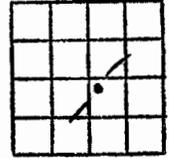
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY  
508 East Murdock, Wichita, Kansas

Company- SHAMROCK OIL & GAS CORP.  
Farm- H.C. Bender No. 1

SEC. 20 T. 32 R. 30W  
NW NW SE

Total Depth. 5732'  
Comm. 10-24-56 Comp. 12-14-56  
Shot or Treated.  
Contractor.  
Issued. 3-23-57

County Meade  
KANSAS



Elevation. 2777' RB

CASING:  
8" 1592'  
9" 2735'

Production. Dry

Figures indicate Bottom of Formations.

surface soil-sdy shale 70  
sand-shale 580  
red bed-shells 875  
lime-shale 940  
shale-shells 1625  
chalky lime 1660  
shale 1825  
sand-shale-lime 2355  
Anhydrite-shale 2600  
Anhydrite 2660  
Anhydrite-dolomite strks 2725  
Dolomite 3000  
lime 3890  
shale 3940  
limey shale 3990  
shale 4040  
lime 4150  
limey shale 4240  
shale 4320  
lime 4380  
shale 4420  
lime 4450  
shale 4520  
shaley lime 4560  
lime 4740  
shaley lime 4820  
lime 4910  
shale 4970  
lime 5010  
shale 5080  
lime w/shale strks 5240  
shale w/lime strks 5325  
shale-lime strks 5560  
shale 5570  
limey sand 5580  
shale 5620  
lime 5660  
shale w/scattered lime strks 5732

Total Depth  
TOPS; Scout 4350  
Shaw 4380  
Heebner 4416  
Toronto 4520  
Lansing 5080  
Marmaton 5240  
Cherokee 5364  
Atoka 5562  
Morrow