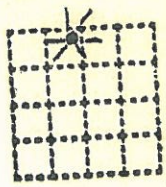
WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY
412 Union National Bk Bldg., Wichita, Kansas

NORTHERN NATURAL GAS CO.
Madden No. 1.

SEC.1 T.33 R.37W
NEc NW

Total Depth. 2821' SLM
Comm. 8-7-41 Comp. 8-25-41
Shot or Treated.
Contractor.
Issued. 10-25-41

County. Stevens



CASING:

10¾" 683' Cem.
7" 2632' Cem.

Elevation.

Production. 35,910,000 Gas

Figures Indicate Bottom of Formations.

surface	50
sand & gravel	219
sand & gravel	564
shale	644
shale & red bed	737
sand & gravel	1070
sand & gyp	1170
sand & gravel	1352
shale & red bed	1500
red bed & gyp	1758
shale & gyp	1882
red bed & gyp	1965
shale & gyp	2335
anhydrite & gyp	2450
anhydrite & shale	2490
anhydrite & gyp	2539
lime	2550
anhydrite & gyp	2581
anhydrite	2590
shale	2600
lime brkn	2616
lime(1st gas 2635)	2666
shale	2672
lime	2680
inc.gas @48, 62, & 68	
inc.gas @87, 95 &	2706
lime	2710
shale red & blue	2728
lime	2750
inc. gas at 2736	
lime gy med	2800
inc. gas 2755 & 2801	
lime	2821 SLM
Total Depth.	

Open flow before acid 4,388,000
Open flow after acid 35,910,000