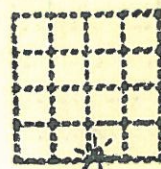


NORTHERN NATURAL GAS CO.
Swisher No. 1.

SEC.1 T.33 R.37W
SWc SE

Total Depth. 2830' SLM
Comm. 6-14-41 Comp. 7-2-41
Shot or Treated.
Contractor.
Issued. 10-18-41

County. Stevens



CASING:
10" 557'
7" 2644'

Elevation.

Production. 23,842,000 G.

Figures Indicate Bottom of Formations.

surface	40
sand & gravel	400
clay & sand	520
red bed	650
red bed & gyp	750
sand hrd	775
sand	790
red bed & sand	1038
red bed & gyp	1545
shale & gyp	1656
gyp	1710
shale & anhydrite	1778
shale & shells	1985
limo	1988
brk limo & gyp	2005
shale & shells	2092
shale & gyp	2155
anhydrite & gyp	2170
brk lime & shale	2196
shale blue & lime shells	2260
anhydrite	2354
anhydrite & gyp	2401
anhydrite & shale	2452
anhydrite	2499
anhydrite & shale	2525
anhydrite & lime	2530
lime	2550
anhydrite	2583
anhydrite & lime	2590
lime	2630
brk lime & shale	2640
lime	2677
shale	2683
lime	2725
red rock	2737
lime	2812
shale	2815
lime	SLM 2830
Total Depth.	

1st gas 2656
increase 2666
increase 2712-17 2,000,000
2797' - 2,400,000

open flow before acid 2,400,000
open flow after acid 23,842,000