Date Compiled: 1 July 1967

Field Name: Scotia

Madison Pool

Location: Township 163 North, Range 79 West

Bottineau County, North Dakota

Lithology of Reservoir Rock
Limestone, buff, fragmental, oolitic, chalky, pin point porosity, some anhydrite infill with scattered vertical fractures

Other formations with oil shows
None

Exploration method used to locate discovery well
Subsurface geology

Elevation of surface
1496' KB

Surface formation
Glacial drift overlying Cretaceous Fox Hills

Oldest stratigraphic horizon penetrated
State "A" Madison at 3284 feet

Completion practice
Set casing on bottom, perforate and acidize

Reservoir Data
Porosity Average 13%
Permeability Average 3.4 md
Fluid Saturation
Oil 26.9%
Water 35%
Oil-Water Contact 9'
Oil Column 400:1

Recovery Data
bbl/acre-foot 50
ultimate primary recovery 90,000

Production and Marketing
No. of producing wells 4
No. of abandoned wells 0
No. of dry holes 4
No. of shut-in wells 0
Proved acreage 320 Acres

No. of salt water disposal wells 0
No. of pressure maintenance injection wells 0
Approved well spacing 40 Acres

Market outlet U. S. Crude Oil Purchasing Co.

Major operators Tiddens Petroleum Co.