

**SLOPE COUNTY**

Planning Unit 025: AML Printout #197: T136N, R100W, Section 5, N1/2

Additional Legal Location: Section 5, no part section; Lat. 46-39N,  
Lon. 103-16W

136 100 6 (Slope County); and 137 100 27,  
137 100 28, 137 100 33, and 137 100 34  
(Billings County)

Name:	Owner:
Church 1 Mine	Manidon Mining Co. (1962-1963) Susquehanna Western (1963-1968) L. Fritz (ca. 1978)

Category: Uraniferous Lignite Production

Type: Surface (strip)

Overburden:	Coal Seam:	Thickness Mined:	Source:
No data	No data	No data	Not applicable

Cultural Resource Site Number: Not formally recorded

Basic Data (excerpted from primary sources):

This mine was operated for the purpose of extracting uraniferous lignite. The mine apparently was operated from 1962 to 1968, and in 1978 the area of the mine (pit and spoils, etc.) was about 30 ac. in size. Overburden and lignite were removed by dozers and scrapers. Uranium or uraniferous lignite obtained from this mine was sold to the Atomic Energy Commission, under contract with the Atomic Energy Commission. Although actual production figures are not known for this mine, "Between 1955 and 1967, approximately 590,000 pounds of uranium oxide was recovered from 85,000 tons of lignite mined from the Fort Union Formation in Southwestern North Dakota. The lignite . . . was strip mined from approximately 20 pits located at 7 different sites and burned in pit bottoms or at nearby ashing kilns to concentrate the uranium in its ash" (Houghton and Anderson n.d.). Lignite was burned in the pit at this mine, and the uraniferous ash was shipped for processing.

Descriptive information pertaining to this mine is included in:

[source:year (pages) ]

CMID:1962(18-19)

Evans et al.:1978(132)

Church 1 Mine (continued)

Notes:

In 1978, several shallow, silted-in pits (up to 30 ft.) were noted at this mine. Spoils were well-drained sandy clays and lignite ranging from flat to 30 degrees. Gully erosion was common on the spoils, and portions of the pit were flooded.

The Hurick #1 Mine also may be located at this Planning Unit and AML location.

Sources (primary and secondary):

CMID:1952(18-19)

Evans et al.:1978(132)

History of Uranium Mining Activities in North Dakota (1960's):n.d.  
(np)

Houghton and Anderson:n.d. (np)