

ATTACHMENT "A"

SURFACE USE PLAN

Northern Natural Gas Co.
McGruder Hill Unit No. 1

1. Areal Road Map: Attached topographic map shows the existing road 1-1/2 miles north of the location. Access road is shown as a dark dashed line on the map.
2. Location of Existing Wells: Attached plat shows nearest existing wells 1-1/2 miles north and south of the location.
3. Proposed Well Mat:
 - a. Mat Size: 285' x 220'.
 - b. Surface: Will be topped with 6" - 8" of caliche, watered and compacted. Caliche will be purchased by dirt contractor.
 - c. Reserve Pit: 100' x 150' pit lined with plastic.
 - d. Cut and Fill: The east side of the location is high and will require approximately 3' of cut.
 - e. Drill Site Layout: Attachment shows position of equipment and pits at drill site.
 - f. Setting and Environment:
 - (1) Terrain: Rocky hill top. Attached topographic map.
 - (2) Soil: Rocky.
 - (3) Vegetation: Sparse vegetation, being mostly semi-desert plants, with very little grass.
 - (4) Surface Use: Goat grazing.
 - (5) Other: The exact rig layout size is unknown because the drill contractor has not been selected at this time. Dimensions are average for drilling rigs of a size to drill this well. The location is on top of McGruder Hill and is a low environmental risk area.
 - g. Distances To:
 - (1) Ponds and Streams: There are no surface waters within one mile.
 - (2) Water Wells: There are no water wells within 1/2 mile.