

SURFACE USE
AND OPERATIONS PLAN

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DEC 22 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Well Name: Murphy Federal #1

Location: 660 from South line 1980 from East line
 Sec 12 Twn20S R27E, Eddy County, New Mexico

1. Existing Roads: Highway from Carlsbad to Twelve Mile Hill is 1980' to the east of the location and a fair road going west off highway, ties to location entrance.
2. Planned Access Roads: North approximately 800' to existing road. Existing road will have to be repaired and new road will be 12' wide, 6' of caliche will be watered and packed.
3. Location of Existing Wells: Enfield well in north half of Sec 18 Twn20S Rge28E. Faskins well in east half of Sec 11 Twn20S Rge27E. Gulf well in south half of Sec 13 Twn20S Rge27E. Gulf well in east half of Sec 1 Twn20S Rge27E.
4. Location of Tank Batteries, Production Facilities, and Production, Gathering, and Service Lines:
 Battery and treaters will be set on south-west of pad, all lines will be on edge of pad.
5. Location and Type of Water Supply (rivers, creeks, lakes, ponds, etc.,)
 Water will be hauled by CLM.
6. Source of Construction Materials: From active Federal pit in Unit H of Sec 36 Twn19S Rge27E, adjacent to highway.
7. Methods of Handling Waste Disposal: Pit adjacent to location, to be buried 36" or more on clean-up.
8. Ancillary Facilities: none
9. Well Site Layout: See plat exhibit 'A'