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SURFACE USE PLAN

Exxon Corporation #1 Crooked Canyon Federal  
1980' FNL and 990' FEL of Section 35, T20S, R21E,  
Lease No. USA NM-25336, Eddy County, New Mexico  
(Exploratory Well)

SEP 2 1980

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

1. EXISTING ROADS - Detailed map showing drillsite location in relation to a town or known point and all existing roads within a three mile radius of the well site are shown on Exhibit "A".

From Hope, New Mexico, go southerly on Highway 449 past the end of the pavement at 8 1/2 miles, continue southerly a total of 21 1/2 miles to the location. Existing New Mexico ranch roads within 3 miles of the drillsite are shown on Exhibit "A". Since the access roads are county or State maintained, it is not anticipated there will be a need for additional maintenance.

2. PLANNED ROADS - It is planned to construct approximately 1,000 feet of new road as shown on Exhibit "A".

1. Width of the new road to be constructed will be approximately 12 feet.
2. No grade change will be made in any part of the existing access road or the new road to be constructed in excess of 10 percent.
3. No turnouts will be necessary.
4. No special drainage features will be necessary.
5. No culverts will be required.
6. It is not anticipated that any surface material will be needed.
7. No cattleguards will be required.
8. The proposed road is center-line flagged.

3. LOCATION OF EXISTING WELLS WITHIN THREE MILE RADIUS -


1. Water wells - There is a windmill located approximately 3/4 mile north of the well site.
2. Abandoned wells - One mile to the southwest as shown on Exhibit "A".
3. Temporarily abandoned wells - None.
4. Disposal wells - None.
5. Drilling wells - None.
6. Producing wells - None.
7. Shut-In wells - None.

8. Injection Wells - None.
9. Monitoring or observation wells for other resources - None.
4. TANK BATTERIES, PRODUCTION FACILITIES AND LEASE PIPELINES -
  - A. There are no production facilities in the immediate area.
  - B. In the event of production, new facilities are shown on Exhibit "B".
    - (1) Proposed location and attendant lines by flagging if off of well pad shown on Exhibit "B".
    - (2) Dimensions of facilities are shown on Exhibit "B".
    - (3) Production facilities will be constructed on drillsite pad.
    - (4) Equipment and pit will be fenced and flagged to protect livestock and wildlife, if necessary.
  - C. Rehabilitation will be done on any disturbed areas no longer needed for operations after completion of the production facilities. This will consist of reshaping the existing surface and seeding as specified.
5. LOCATION AND TYPE OF WATER SUPPLY -
  - A. A water well will be drilled near the north edge of the drill pad.
  - B. No pipeline will be needed from the water well to the water storage.
  - C. A water well will be drilled.
6. SOURCE OF CONSTRUCTION MATERIALS -
  - A. Due to the rocky soil over which the new road will be constructed it is not anticipated that any road material will be needed. If material is needed for any part of the road, it will be obtained from the reserve pit.
  - B. No surface material will be needed.
  - C. No surface material needed.
  - D. The new road to be constructed will cross Federal Lands.
7. WASTE DISPOSAL -
  - a. Drill cuttings will be disposed of in the reserve pit.
  - b. Drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry.
  - c. Trash, waste paper, garbage and junk will be burned or buried with a minimum of 24" cover. Waste material will be contained to prevent scattering by wind prior to ultimate disposal.

- d. Any produced water will be contained in tanks and be disposed of in an approved manner. Oil produced will be stored in tanks until sold, at which time it will be hauled from location.
  - e. Current laws and regulations pertaining to disposal of human waste will be complied with.
  - f. If productive, maintenance waste will be placed in special containers and buried or hauled away periodically.
8. ANCILIARY FACILITIES - No camps, airstrips, etc., will be constructed.
9. WELLSITE LAYOUT -
- a. Refer to Exhibit "B" for wellsite layout.
  - b. Dimensions may vary depending on size of drilling rig available.
  - c. Terrain at the wellsite will require some cut and fill.
  - d. The drill pad will be topped with material obtained from the reserve pit, if needed.
  - e. The reserve pit will be approximately 150' x 175' top width and will not be lined with plastic.
10. RESTORATION OF SURFACE -
- 1. At the time of completion and abandonment of the well, the pits will be backfilled and the entire disturbed area will be sloped to coincide with the adjacent undisturbed area. The top soil will be distributed over the entire disturbed area. Prior to leaving the drillsite upon rig move out and before reshaping any pit that is to remain open for drying will be fenced until backfilling and reshaping can be done.
  - 2. When well is abandoned the new road will be revegetated as per BLM recommendations.
  - 3. Any vegetation of the drill pad will comply with BLM specifications.
  - 4. Any oil on pits will be removed or otherwise disposed of to USGS and BLM approval.
  - 5. Rehabilitation operations will be completed as soon as practical after abandonment of the well and no later than the Fall after abandonment.
11. OTHER INFORMATION -
- A. Terrain - Low rolling hills.
  - B. Soil - Rocky and sandy loam.
  - C. Low vegetation and native grasses.

- D. There are no buildings or water wells other than those noted above in Item 5. There is a small dam approximately one-quarter mile east of drillsite; however, no water is impounded. There are no archeological, historical or cultural sites in the area.
  - E. Surface use is grazing.
  - F. Effect on Environment - Drillsite, which is in nearly flat semi-arid, desert country, is in a low environmental risk area. The total effect of drilling and producing in this area would be minimal. No known archeological, historical, or cultural sites exist in the drill or road areas.
  - G. Surface Ownership - the drillsite and new access road are located on Federal lands.
  - H. Open Pits - All unattended pits containing mud or other liquids will be fenced.
  - I. Well Sign - Sign identifying and locating well will be maintained at drillsite commencing with the spudding of the well.
12. OPERATOR'S REPRESENTATIVE - Field representative who can be contacted concerning compliance of the Surface Use Plan is:
- H. G. Davidson  
P. O. Box 1600  
Midland, Texas 79702  
Office Phone: 915/683-0263  
Home Phone: 915/694-5324
13. CERTIFICATION - I hereby certify that I, or persons under by direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Exxon Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. A copy of this plan will be posted at the wellsite during the drilling of the well for reference by all contractors and subcontractors.

Date August 29, 1980

  
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H. G. Davidson  
Division Drilling Manager

MK/ch