

MULTI INT SURFACE USE AND OPERATIONS PLAN

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ARTESIA, OFFICE

MESA PETROLEUM CO  
RUNYAN FEDERAL COM WELL NO. 2  
1980' FNL and 660' FEL  
Section 18-T19S-23E  
EDDY COUNTY, NEW MEXICO  
(EXPLORATORY WELL)

100-100000  
JUN 20 1979  
U.S. GEOLOGICAL SURVEY  
ALBUQUERQUE, N.M.

This plan is submitted with Form 9-331C, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effects associated with the operations.

1. EXISTING ROADS

A. Exhibit A is a portion of a map of the area surrounding the proposed wellsite, on a scale of approximately 1 inch to 3 miles, showing in red the route of existing access roads to the location from Hope, New Mexico. The location is situated at a driving distance of approximately 12.2 miles south of Hope can be reached as follows:

- (1) Proceed south on an existing blacktop road which leaves Hope at the western edge of the village. This road begins immediately west of a Shell gasoline station on the southside of U.S. Highway 82, in Hope.
- (2) At a point approximately 6.5 miles south of Hope, the road forks to the left. Continue beyond this point for a total additional distance of approximately 4.1 miles. During the course of this 4.1 mile distance, the road changes from blacktop to gravel after 1.5 miles, and there are caliche pits on both sides of the road approximately 2.1 miles after the road surface becomes gravel. Approximately 0.5 mile past the caliche pits, there is a caliche road on the right (west). Turn right and go approximately 1.3 miles west to Runyan Federal Com #1 wellsite.

2. PLANNED ACCESS ROAD

- A. The newly constructed road is indicated in blue in Exhibit B. This road will originate from the south end of the Runyan Federal Com #1 location. It will be constructed in a due west direction to the southeast corner of the drilling pad for the Runyan Federal Com #2, as indicated in Exhibit D.
- B. The route of the new road increases 20-30 feet in elevation from the Runyan Federal Com #1 to the Runyan Federal Com #2.
- C. The new road will have a driving width of 12 feet and the surface will be topped with compacted caliche. The center of the road will be crowned, with drainage on both sides. It is not planned to construct any turnouts, and no culverts or cattleguards will be necessary.

D. The route of the new road is flagged and clearly visible.

3. LOCATION OF EXISTING WELLS

A. There are three completed wells within two miles of the proposed location. These wells are shown on Exhibit C.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. Production facilities are located on the drilling pads of the existing wells shown on Exhibit C.

B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive of oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

5. LOCATION AND TYPE OF WATER SUPPLY

A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from privately owned or commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibits A and B.

6. SOURCE OF CONSTRUCTION MATERIALS

A. Surface material removed in leveling the drilling pad will be used to fill low areas at the pad location. No surface materials will be disturbed except those necessary for the actual grading and leveling of the drillsite and the access road.

B. Caliche required for road and drilling pad surfaces will be obtained from a privately owned pit on fee surface in Section 9-T19S-R23E, and will be transported to the construction site over the existing and proposed roads shown in Exhibits A and B.

7. METHODS OF HANDLING WASTE DISPOSAL

A. Drill cuttings will be disposed of in the reserve pits, which will be plastic lined.

B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.

C. All pits will be fenced with normal fencing material to prevent livestock from entering the area.

D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to the USGS for approval.

- E. Oil produced during operations will be stored in tanks until sold.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
- H. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES / None required.

9. WELLSITE LAYOUT

- A. Exhibit D shows the relative location and dimensions of the well pad and the reserve pits.
- B. The ground surface at the wellsite slopes gently upward, from south to north. It is estimated that cuts of approximately 3' (NW corner of the pad) and 2' (NE corner of the pad) will be required, and that fill of approximately 2' (SW corner of the pad) and 3' (SE corner of the pad) will be required. The reserve pit area will require a cut of approximately 4' adjacent to the drilling pad and a cut of approximately 6' at the northern edge of the reserve pit. The drilling pad surface will be covered with 6 inches of compacted caliche.
- C. The reserve pits will be plastic lined.
- D. The pad and pit area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. Pits will be filled and the location cleaned of all trash and junk, so as to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they have been filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. OTHER INFORMATION

- A. The proposed wellsite is located in an area of gentle, low undulations, interspersed over a generally flat area.
- B. The topsoil at the wellsite is relatively soft sand, with frequent areas containing small stones or gravel on the surface.

- C. Flora and Fauna: The vegetation cover at the location is moderately sparse, consisting of greasewood, miscellaneous weeds and grass, a few cactus and yucca plants, and various prairie flowers. There is evidence of deer in the area and it is likely that other typical semi-arid desert wildlife inhabit the area surrounding the location. The area is used for cattle grazing.
- D. There are no ponds, lakes, or flowing streams or rivers in the immediate vicinity of the wellsite.
- E. The nearest dwelling is about 1-3/4 miles northwest of the location and the nearest windmill is about 1-3/4 miles northeast of the location.
- F. The wellsite is on federally owned surface. A substantial portion of the access route is on privately owned surface. An agreement has been reached between Mesa Petroleum Co and the surface owner concerning Mesa's use of this private surface to obtain access to the drillsite.
- G. There is no evidence of any archeological, historical or cultural sites in the area of this wellsite.

12. OPERATOR'S REPRESENTATIVES

- A. The Mesa Petroleum Co representatives responsible for assuring compliance with the approved surface use and operations plan are:


J. W. Hart  
P. O. Box 1756  
Hobbs, New Mexico 88240  
(505) 393-4425 / office  
(505) 393-4317 / residence

M. P. Houston  
1000 Vaughn Building  
Midland, Texas 79701  
(915) 683-5391 / office  
(915) 694-3442 / residence

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exists; 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 Mesa Petroleum Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE: 5/24/79

  
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Steve A. Douglas / Engineer