

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

DOYLE HARTMAN
H. M. Britt No. 14
1400' FSL & 2310' FEL
Section 7, T-20-S, R-37-E
Lea Co., New Mexico

This plan is submitted with our Application for Permit to Drill (3160-3), Well Location Plat (NM Form C-102) and Drilling Prognosis for the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the proposed operation.

1. EXISTING ROADS:

Exhibit "MP-1" is a portion of a United States Geological Survey Topographic Map covering a part of T-24-S, R-37-E, Lea County, New Mexico which shows the location of the proposed well as staked. Also included on Exhibit "MP-1" are all nearby New Mexico State Highways as well as all existing roads within a one mile radius of the proposed well site and the planned access road.

To reach the proposed well drive west from Monument, following State Highway 322 for 2.4 miles (after approximately 1.8 miles State Highway 322 veers south for approximately 0.7 miles then veers west). After 2.4 miles, a caliche surfaced county road intersects State Highway 322. Turn south through a cattle guard onto the county road for 1.7 miles. After traveling 1.7 miles, turn east on lease road and drive into location.

2. PLANNED ACCESS ROADS:

- A. Length and Width: No new access road will be required. The existing road may be required to be widened to twelve (12) feet wide along the route.
- B. Surface Material: Four inches of caliche, water compacted and graded.
- C. Maximum Grade: Three (3) percent.
- D. Turnouts: No new turnouts required.
- E. Drainage Design: The existing road will be graded to have a drop of six (6) inches from the center line to each edge of the road.

F. Culverts: Non required.

G. Cuts and Fills: None required.

H. Cattle guards: None required.

3. LOCATION OF EXISTING WELLS:

All existing wells within a one-mile radius of the proposed drill site are shown on Exhibit "MP-2" and detailed in "Table MP-2".

4. LOCATION OF EXISTING AND PROPOSED PRODUCTION FACILITIES:

A. Existing Facilities: None.

B. Proposed Facilities: Since it is anticipated that the proposed well will be completed as a gas well with possible oil production, the equipment required will be a pumping unit, gas separator, water tank, gas metering, oil storage tanks, heater treater, powerline and flowline.

5. LOCATION AND TYPE OF WATER SUPPLY:

Fresh water for drilling the proposed well will be trucked by Rapid Transport from the Jal Country Club in Jal, New Mexico.

6. SOURCE OF CONSTRUCTION MATERIALS:

Caliche for surfacing the road and well pad will be obtained from a pit in the SE/4 SE/4 Section 32, T-24-S, T-37-E.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. Drill Cuttings: Drill cuttings will be disposed of in drilling pits.

B. Drilling Fluids: Drillings fluids will be allowed to evaporate in drilling pits until the pits are dry. While the pits are in the evaporation stage, they will be adequately fenced so as not to be a hazard to people and livestock.

8. ANCILLARY FACILITIES:

None Required.

9. WELL SITE LAYOUT:

- A. **Well Site Boundaries:** The boundaries of the well site have been staked and flagged.
- B. **Rig Components:** Exhibits "MP-3", "MP-4" and "MP-5" show the relative location and approximate dimensions of the well pad, mud pits, reserve pit, trash pit, and location of major rig components.
- C. **Well Site Leveling:** Only minor leveling of the well site will be required. No cuts or fills will be necessary.
- D. **Pit Lining:** The reserve pit will be lined with 4 mil cross laminated white poly lining material.

10. **PLANS FOR RESTORATION OF THE SURFACE:**

- A. **Equipment Removal:** After the finishing of drilling and/or completion operations, all drilling equipment and other material not needed for routine operations will be removed from the well site. Pits will be filled and the location cleaned of all trash and junk thus leaving the well site in an aesthetically pleasing condition.
- B. **Unguarded Pits:** Any unguarded pits containing fluid will be fenced until they are back-filled.
- C. **Well Abandonment:** Upon abandoning the proposed well, the surface restoration will be in accordance with the agreement with the surface owner. As stated above, the pits will be filled and the location well be cleaned. The pit area, well pad, and all unneeded access roads will be ripped up to promote vegetation. Rehabilitation will be accomplished within 90 days after abandonment.

11. **OTHER INFORMATION:**

- A. **Topography:** The well site is located just above the base of the Caprock. Along the edge of the Caprock, the surface slopes to the South and Southeast at the rate of 100 feet/mile. At the base of the Caprock, the land slopes to the southeast at a more gentle rate.
- B. **Soil:** The surface is an area where sediments are predominantly orange-tan sand. The soils are shallow and are underlain by caliche.
- C. **Flora and Fauna:** The vegetation cover is generally sparse and consists of mesquite, serus oak, sand bur, prickly pear, yucca and perennial native range grasses. Wildlife in the area is typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, doves, and quail.

- D. **Pond and Streams:** There are no rivers, streams, ponds, or lakes in the area.
- E. **Residences and Other Structures:** The nearest occupied dwelling is a house located in the SE/4 NE/4 of Section 31, T-24-S, R-37-E. The closest fresh water well is located in the SW/4 SW/4 of Section 20, T-24-S-R-37-E.
- F. **Archeological, Historical, and Cultural Sites:** None observed in the area.
- G. **Land Use:** Grazing, bird hunting and oil field operations.
- H. **Surface Ownership:** The proposed well is to be situated on surface owned by Mr. Jimmy Cooper.

12. **OPERATOR'S REPRESENTATIVES:**

The Field Representatives responsible for assuring compliance with the approved Surface Use and Operations Plan are as follows:

Don Mashburn
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Midland, Texas 79702
Office Phone: (915) 684-4011
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Harold Swain
Drawer M
Jal, New Mexico 88252
Office Phone: (505) 395-3367
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13. **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in plan are, to the best of my knowledge true and correct; and, that the work associated with the operation proposed herein will be performed by Doyle Hartman, Oil Operator and his contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

7/14/00
Date

Steve Hartman
Steve Hartman, Engineer