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APPROVAL SUBJECT GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or accnew of the

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

Т

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

| WELL | LOCATION | AND | ACREAGE | DEDIC | ATION | PLAT |
|------|----------|-----|---------|-------|-------|------|
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All Distances must be from the outer boundaries of the section

| MARBOB ENERGY CORP. RANDELL FEDERAL Use Later Section To south Raige County EDDY Actual Footage Location of Well: 17 SOUTH Raige SOUTH EDDY 990 feed from the EAST Ine and 330 feed from the SOUTH Ibe distance 13658.5 Sam Andres Crbg_Jackson SR 0 Grbg SA 4 2.1 funce that one lease of different overchip is dedicated to the subject well by colored pencil or lachure marks on the pile block. 1 1 2.1 funce that one lease of different overchip is dedicated to the well, have the interest of all owners been consolidated by communitation, unitization, formed-pooling, etc. ¹ If answer is "ye" type of consolidation Yes No If answer is "ye" type of consolidated. (Use reverse side of this form in fracessers). OPERATOR CERI No allowable will be subjected to the well util all interests have been consolidated. (Use reverse side of this form in fracessers). OPERATOR CERI No allowable will be subjected to the well will all interest have been consolidated. (Use reverse side of interest parts period by the Division. OPERATOR CERI Name South of the convert and their description No The obserest period by the Division. OPE | | | | Lease | | | | Well No. | |
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SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION RANDALL FEDERAL NO. 2 SE/4SE/4, SECTION 7, T-17S, R-30E EDDY COUNTY, NEW MEXICO (DEVELOPMENT WELL)

- 1. SURFACE FORMATION: Quaternary.
- 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

| Salt | 540' | Queen | 2022' |
|--------------|-------|------------|-------|
| Base Salt | 970' | Grayburg | 2422' |
| Yates | 1156' | San Andres | 2712' |
| Seven Rivers | 1500' | Glorietta | 4110' |
| Seven Rivers | 1300 | 01011000 | |

3. ANTICIPATED POROSITY ZONES:

| Water | Above | 300 ' |
|-------|---------------|--------------|
| Oil | 2027 ' | - 4600' |

4. CASING DESIGN:

| SIZE | INTERVAL | WEIGHT | GRADE | JOINT | CONDITION |
|--------|----------|--------|-------|-------|-----------|
| 8 5/8" | 0-450' | 24.0# | J-55 | LTC | New |
| 5 1/2" | 0-4600' | 17.0# | J-55 | LTC | New |

- 5. <u>SURFACE CONTROL EQUIPMENT</u>: A double ram-type or annular BOP will be used. (See diagram attached as Exhibit "E")
- 6. CIRCULATING MEDIUM:
 - 0'- 450' Fresh water mud with gel or lime as needed for viscosity control.
 - 450' 4600' Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.
- 7. AUXILIARY EQUIPMENT: Drill string safety valve.
- 8. LOGGING PROGRAM: CNL-FDC W/GR Log will be run to TD.
- 9. <u>ABNORMAL PRESSURES</u>, <u>TEMPERATURES</u> OR <u>GASES</u>: A water flow may be encountered in the salt section.
- 10. ANTICIPATED STARTING DATE: It is planned that operations will commence about April 15, 1991. Duration of drilling, testing and completion operations should be one to four weeks.

- C. Road Map & Wells in vicinity of Proposed Drillsite
- D. Sketch of Well Pad
- E. Sketch of BOP

THIRTEEN POINT PROGRAM

- 1. EXISTING ROADS: From Artesia go approximately 24.4 milés east on Federal Highway US-82 to Loco Hills, New Mexico Turn left (North) in Loco Hills on County Road 217 and proceed .9 miles. From this starting point turn left (west) on dirt road for .5 miles across cattleguard, then turn right (northeast) .2 miles, then turn left (northwest) .35 miles, then turn left (west) .2 miles, then turn right at Holder CB Federal Tank Battery and proceed Northwest .5 miles. The lease road runs right through the middle of the pad and continues northwest to another lease.
- 2. <u>PROPOSED NEW ROAD</u>: No new roads are necessary since existing road is adjacent to the drillsite.
- 3. LOCATION OF EXISTING WELLS: The nearest production to the proposed well is the Randall Federal No. 1 well located east of the proposed drillsite. This well and all existing wells in the vicinity of the proposed drillsite are shown on Exhibits "B" and "C".
- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
 - A. This is a producing lease and central tank battery is located in the SE/4SE/4 of Section 7, 17S-30E.
 - B. If the well is productive, the flowline will be laid along the proposed and existing roadbeds to the battery.
 - C. There are powerlines on the lease, the closest pole being located approximately 550 feet east of the well location. The proposed electric powerline would be approximately 480 feet in length and run from the above referenced pole to a pole on the east side of the well pad, which will have to be inserted. See Exhibit "E".
- 5. WATER SUPPLY: It is not planned to drill a water supply well. Water for leasehold operations will be purchased from a commercial water hauler.
- 6. <u>CONSTRUCTION MATERIALS</u>: Material for construction of the proposed new road and well pad will be obtained from either

an existing approved caliche pit located on federal land in the SE/4 NE/4 of Section 14-17S-29E, or from the reserve pit.

- 7. WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during tests will be disposed of in the pits.
 - D. Oil produced during tests will be produced into temporary test tanks.
 - E. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".
 - F. All trash and debris will be buried or removed from the wellsite within 45 days after finishing each drilling and/or completion operation.
- 8. ANCILLARY FACILITIES: None anticipated.
- 9. <u>WELLSITE LAYOUT:</u> Refer to Exhibit "D" for direction orientation and access.
 - A. The wellsite has been surveyed and an area has been staked and flagged.
 - B. The dimensions and relative location of the drill pad and pit with respect to the well bore are shown on Exhibit "D".
 - C. The location contains numerous sand dunes which will need to be leveled.
 - D. The well pad will be surfaced with caliche.

10. RESTORATION OF SURFACE:

A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.

- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the BLM will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. <u>Topography:</u> The undisturbed wellsite is at an elevation of 3656.5 feet. The terrain of the area surrounding the location is relatively flat. Regional slope is to the southwest toward the Pecos River.
- B. Soil: Top soil at the wellsite is silty loam.
- C. Land Use & Type: The vicinity surrounding the drillsite is semiarid rangeland and its primary use is for production of oil and gas.
- D. <u>Flora:</u> Flora in the vicinity surrounding the drillsite is sparse. It consists primarily of javalina, saltbush, broomweed and mesquite.
- E. <u>Fauna:</u> No wildlife was observed, however fauna for this type of habitat normally consists of lizards, snakes, rabbits, rodents, coyotes, skunks, quail, dove, and other small birds.
- F. Ponds & Streams: None.
- G. <u>Water Wells</u>: The nearest known water well is over 2.5 miles to the northeast.
- H. Residences & Other Structures: There are no occupied dwellings within one (1) mile of the proposed drillsite.
- I. Archaeological, Historical & Cultural Sites: An archaeological survey has been conducted by Pecos Archaeology Consultants and a formal report has been or will be furnished directly to BLM upon its completion.
- 12. OPERATOR'S REPRESENTATIVE: Representatives responsible for assuring compliance with the approved Surface Use Plan:

Mack Chase or John R. Gray P. O. Drawer 217 Artesia, New Mexico 88210 Phone 505-748-3303

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 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 MARBOB ENERGY CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

<u>March 20, 1991</u> Date

Mack C. Chase, President MARBOB ENERGY CORPORATION



EXHIBIT 'A'

Marbob Energy Corporation Randall Federal No. 2 990 FEL, 330 FSL Sec. 7, T-17S, R-30E Eddy County, New Mexico

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Marbob Energy Corporation Randall Federal No. 2 990 FEL, 330 FSL Sec. 7, T-17S, R-30E Fddv Countv. New Mexico







DIMENSIONS AND WEIGHTS

| | | Manual |
|------------------------------------|-----------------|--------------------------------|
| | Single (pounds) | 1,272 |
| Weight | Double (pounds) | 2,335 |
| | Single (inches) | 10 |
| Overall height, less studs | Double (inches) | 181/2 |
| | | 51 ³ /4 |
| Overall length (inches) | | 201/4 |
| Overall width, less handwl | | 7 ¹ / ₁₆ |
| Opening through preventer (inches) | | 3,000 |
| Working pressure (psi) | | 6,000 |
| Test pressure (psi) | 20 | |
| Handwheel diameter (inch | • | R-45 |
| Ring joint gasket API num | ber | orm Tubibit "E" |

SUP Exhibit "E" Marbob Energy Corporation Randall Federal No. 2 990 FEL, 330 FSL Sec. 7, T-17S, R-30E Eddy County, New Mexico

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