

SURFACE USE PLAN

RECEIVED

FOR

DEC 27 1983

DRILLING, COMPLETING AND PRODUCING U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

MARBOB ENERGY CORPORATION  
WELL #4 PERRY LEONARD FEDERAL  
330' FSL & 1650' FWL SEC. 33-17S-29E  
EDDY COUNTY, NEW MEXICO

LOCATED: 18 air miles east-southeast of  
Artesia, New Mexico.

FEDERAL LEASE NUMBER: LC 046044

LEASE ISSUED: 12-31-38 for a 5-yr. primary term and  
is in its extended term by production.

RECORD LESSEE: Harold Kersey

OPERATOR'S AUTHORITY: Owner of shallow operating rights under  
an approved operating agreement.

BOND COVERAGE: Marbob Energy Corporation's \$25,000  
Statewide bond.

ACRES IN LEASE: 80

SURFACE OWNERSHIP: State of New Mexico. (See Item 10-C)

SURFACE LESSEE: Bogle Farms, Inc.

POOL: Loco Hills (Grayburg-San Andres).  
40-acre spacing.

ATTACHMENTS:

- A. Area Map
- B. Topographic Map Showing Access Roads
- C. Sketch Showing Lease & Production  
Facilities
- D. Map Showing Existing Wells in  
Immediate Area
- E. Sketch of Drilling Pad

### DIRECTIONS TO PROPOSED DRILLSITE

Point of beginning is on U. S. 82 at Mile Post 125.75 which is 18.25 miles east of the highway intersection in Artesia and  $6\frac{1}{2}$  miles west of Loco Hills.

- 0.00 Turn south on an all-weather caliche road and proceed in a south-southeast direction for a distance of 2 miles. See Attachment "A".
- 2.00 Turn right on an oilfield road and go 0.10 miles in southwesterly direction toward the tank battery.
- 2.35 NEW ROAD WILL START AT THIS POINT. Turn left (south) and go approximately 350 feet to the southwest corner of proposed well pad.

### THIRTEEN-POINT PROGRAM

#### 1. EXISTING ROADS:

- A. Existing roads, which lead to the proposed drillsite, are shown on Attachments "A" & "B" and consist of 2.00 miles of all-weather caliche roads and 0.10 miles of lease roads.

#### 2. PLANNED ACCESS ROAD:

- A. Length and Width: The proposed new access road will originate from the existing access road at the 2.10 mile point as shown on Attachment "C", and will terminate at the southwest corner of the drilling pad. It will be 350 feet in length and 12 feet in width. The center line has been staked and flagged.
- B. Surfacing Material: It is not planned to surface the new road. However, if it becomes necessary that the road be paved, caliche will be used.

- C. Maximum Grade: Less than one percent.
- D. Turnouts: None required.
- E. Drainage Design: New road will be crowned with drainage to each side.
- F. Culverts: None required.
- G. Cuts and Fills: None required.
- H. Gates, Cattle Guards: None required.

3. LOCATION OF EXISTING WELLS:

- A. Existing wells in the immediate area are shown on Attachment "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There is a tank battery and it is located in the approximate center of the 80-acre lease. See Attachment "C".
- B. If the proposed well is productive, the flowline will be laid from the well to the existing tank battery as shown on Attachment "C". It will be approximately 1000 feet in length and will be laid on top of the ground.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. A water supply well is not planned. Water will be purchased and hauled to the wellsite over existing and proposed roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. It is not planned to surface the new road or the well pad. However, if it does become necessary to pave the road or pad, caliche will be obtained from a caliche pit on mineral-reserve land in the NW corner of the NE $\frac{1}{4}$  of Sec. 4-18S-29E. The pit was archaeologized by Dr. J. Loring Haskell on December 22, 1979.

7. METHODS OF HANDLING 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 drilling pits.
- D. Oil produced during tests will be produced into the existing tank battery.
- 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 Attachment "E".
- F. 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:

- A. None considered necessary.

9. WELL SITE LAYOUT:

- A. The drillsite has been surveyed, staked and flagged.
- B. The dimensions and relative location of the drill pad, mud pits and trash pits with respect to the well bore are shown on Attachment "E".
- C. The wellsite is nearly level. No cut and fill is necessary.

10. PLANS FOR RESTOPATION OF THE 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 an aesthetically pleasing condition as possible.

- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. Sec. 33 is land owned by State of New Mexico with minerals reserved to the U. S. Government. The New Mexico State Land Office was contacted on Dec. 20, 1979 concerning any surface restoration requirements. Mr. Ray Graham advised that whatever surface restoration is required for similar Federal lands would be satisfactory for State owned surface.

11. OTHER INFORMATION:

- A. Topography: The land surface is nearly level. Immediate slope is to the southeast and regional slope is to the southwest toward the Pecos River.
- B. Soil: Soil association is Kermit-Berino. Drillpad is on border of Berino-Dune Land Complex and Simona-Bippus Mapping Units as defined in the Eddy County Soil Survey.
- C. FLORA AND FAUNA: Vacinity surrounding the drillsite is semi-arid desert rangeland. Vegetative cover is sparse and consists of miscellaneous desert plants and grasses. Well location is classified as "Deep Sand Range Site". No wildlife was observed, but wildlife in this habitat consists mostly of rabbits, rodents, coyotes, dove and quail.
- D. Ponds and Streams: None
- E. Residences and Other Structures: Nearest occupied dwelling is one mile north. Nearest windmill is also one mile north.
- F. Archaeological, Historical and Other Cultural Sites: None were observed in the area. Dr. J. Loring Haskell made a reconnaissance on December 22, 1979.
- G. Land Use: Grazing and wildlife habitat.

12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance with the approved Surface Use Plan:

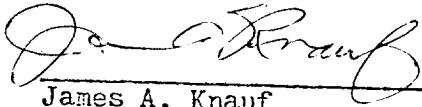
Mack Chase  
P. O. Box 304  
Artesia, N. M. 88210  
Office - 746-2422  
Home - 746-4877

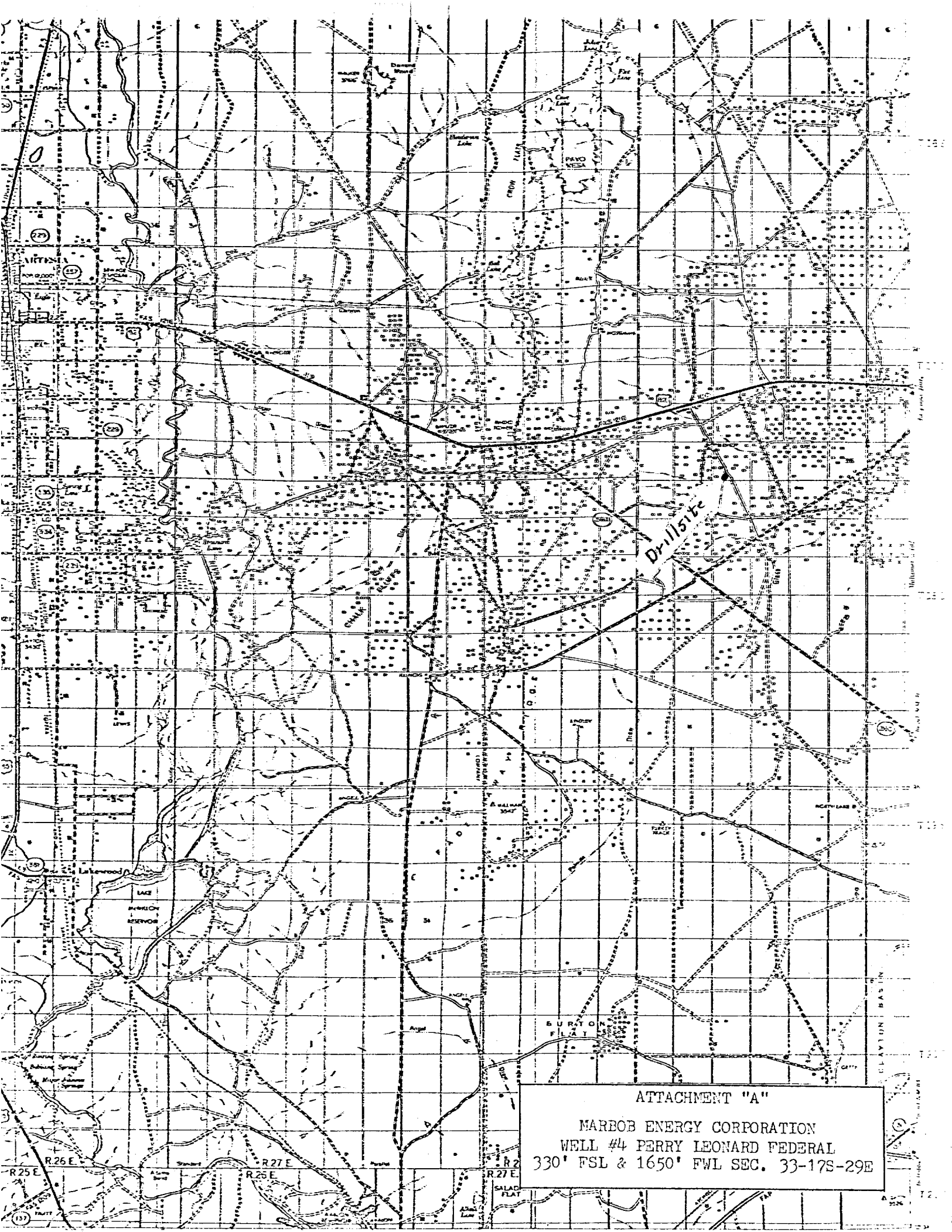
John R. Gray  
P. O. Box 304  
Artesia, N. M. 88210  
Office - 746-2422  
Home - 746-6197

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.

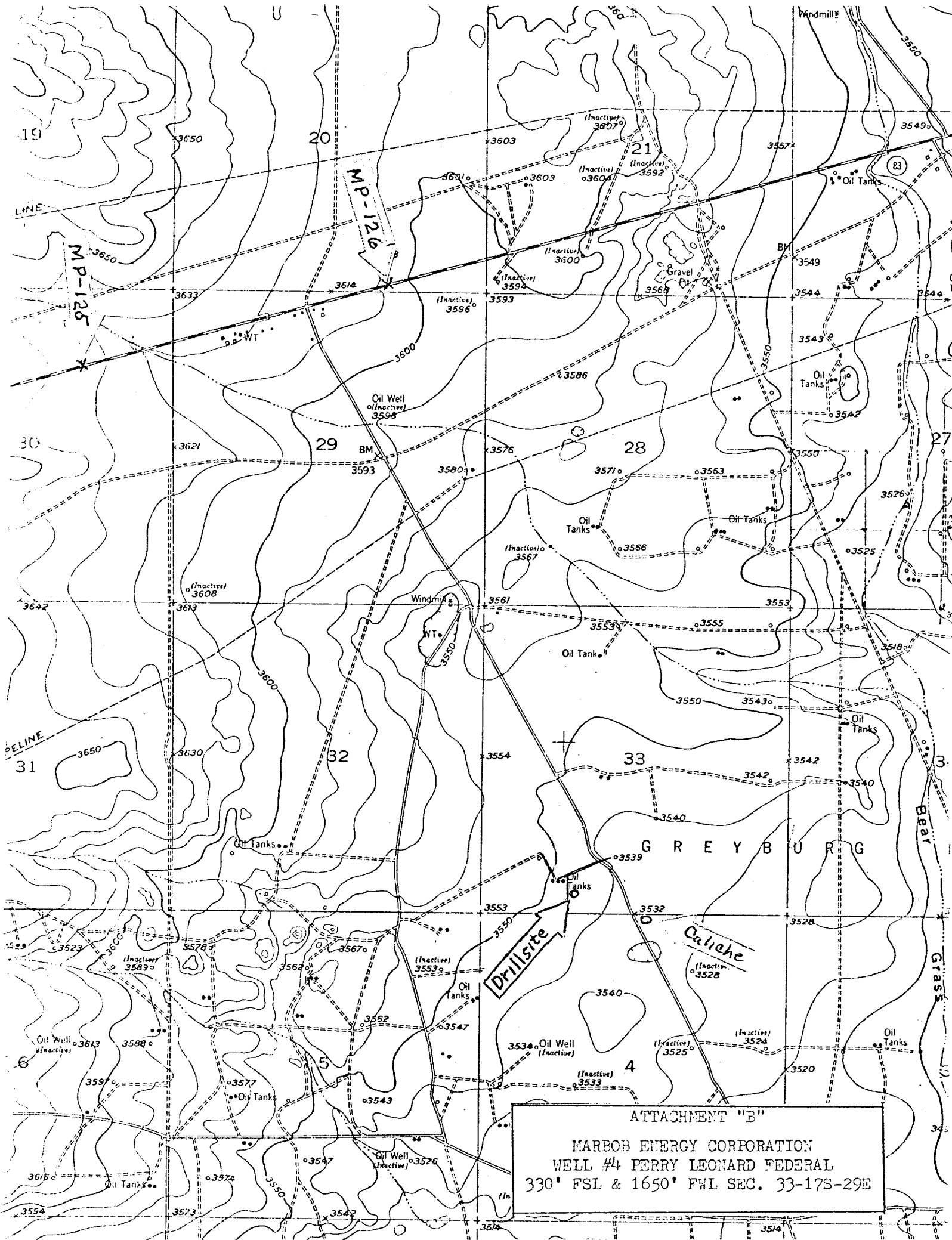
12-26-79  
Date

  
James A. Knauf  
Agent  
Marbob Energy Corporation



ATTACHMENT "A"

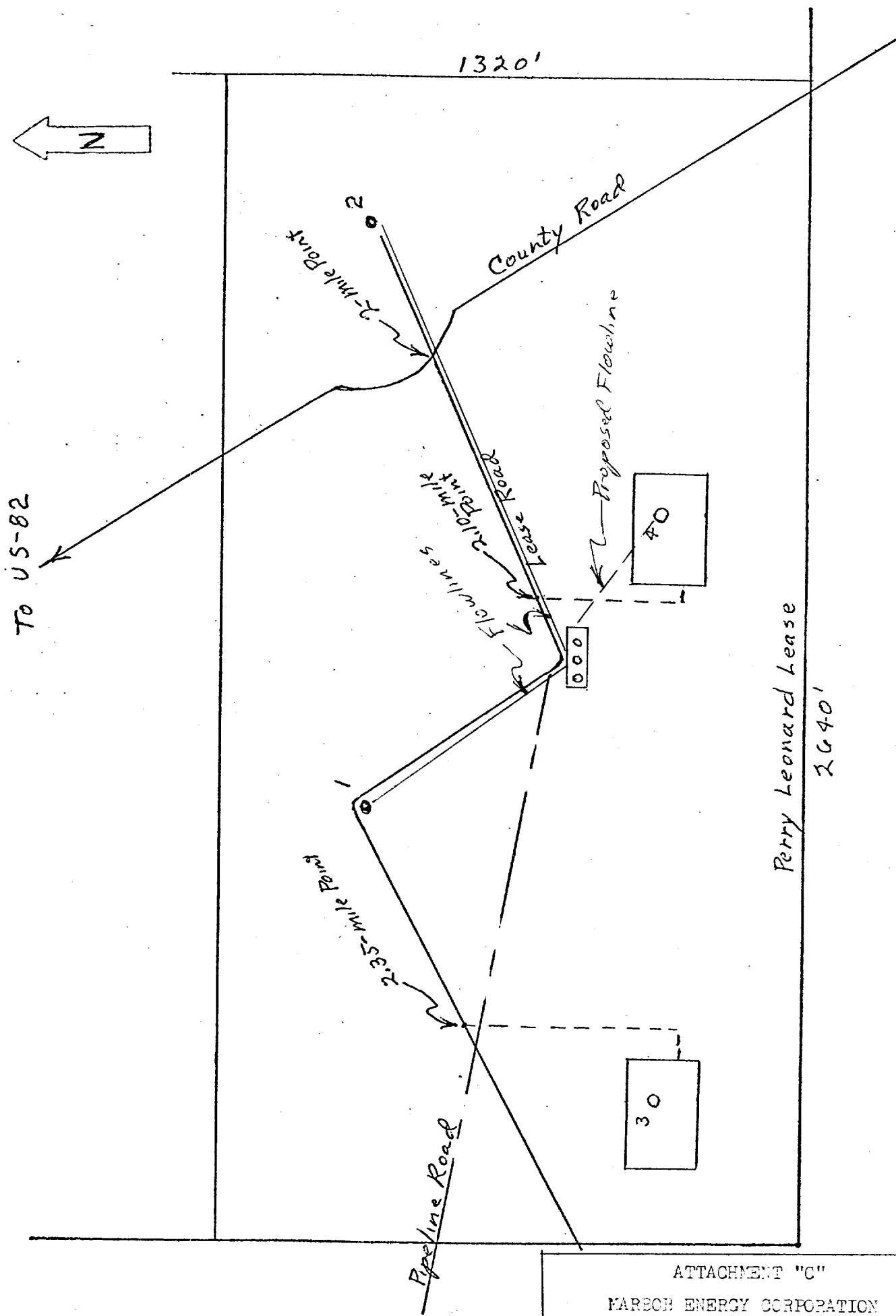
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ATTACHMENT "B"

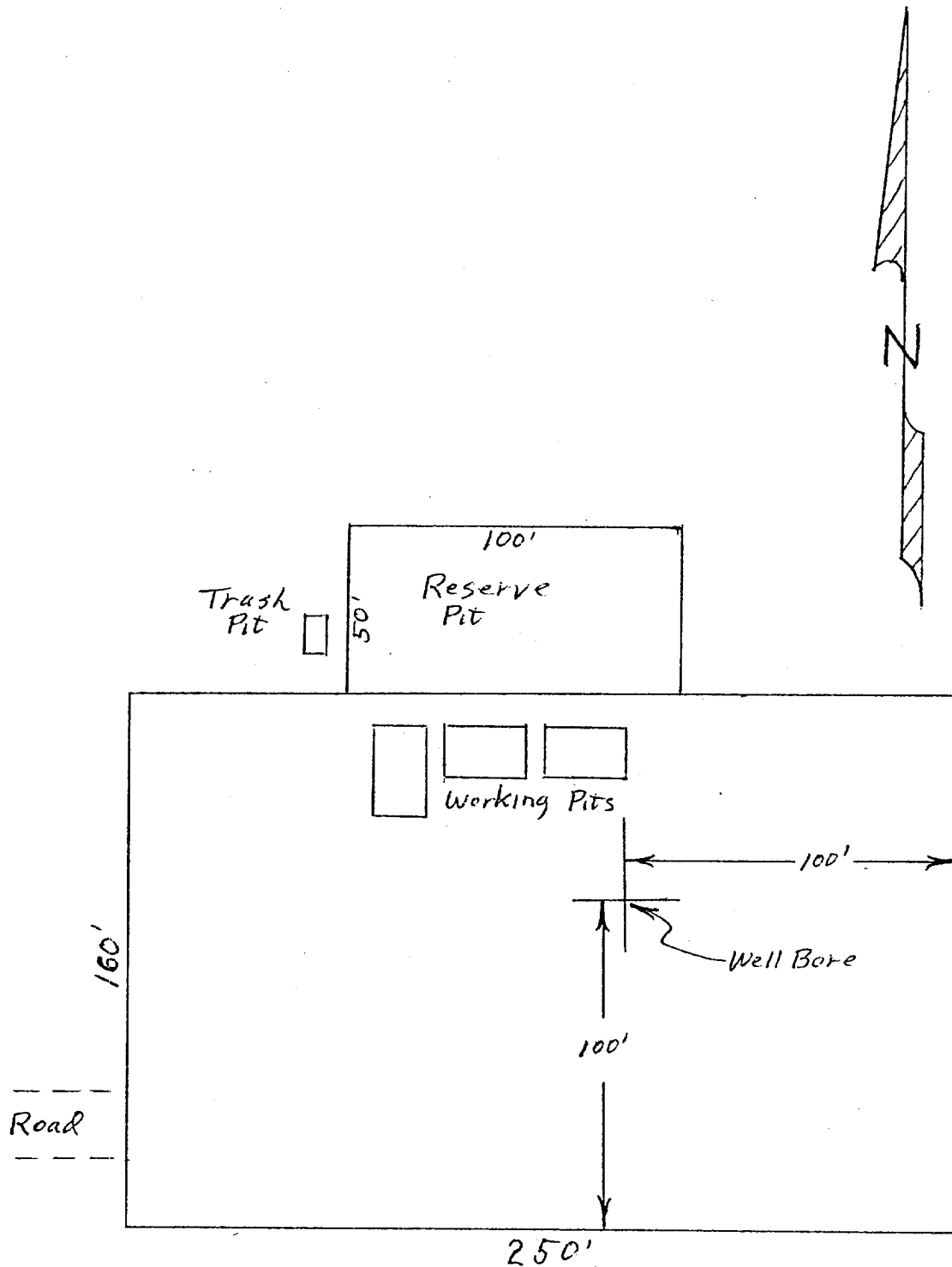
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ATTACHMENT "C"  
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ATTACHMENT "E"

MARBOE ENERGY CORPORATION  
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