

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OFFICE FOR MOUNTAIN
OF COPIES (Other in reverse side)
(Other in reverse side)

30-015-26782
MM Roswell District
Modified Form No.
NM60-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Marbob Energy Corporation

3. ADDRESS OF OPERATOR
P. O. Drawer 217, Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
2310 FSL 1650 FEL
At proposed prod. zone
same

5. LEASE DESIGNATION AND SERIAL NO.
LC-028731(A)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
M. Dodd A federal

9. WELL NO.
46

10. FIELD AND POOL, OR WILDCAT
Grbg Jackson SR Q Grbg SA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22-T17S-R29E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 20 air miles east of Artesia, NM

15. NO. OF ACRES IN LEASE
600

16. NO. OF ACRES ASSIGNED TO THIS WELL
40

17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1650'

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
5000'

19. PROPOSED DEPTH
5000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3554.5' GR

22. APPROX. DATE WORK WILL START*
7/2/91

PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	J-55	LT&C	350'	Circulate
7 7/8"	5 1/2"	17.0#	J-55	LT&C	5000'	Sufficiently attempt to circ

Pay zone will be selectively perforated and stimulated as need for optimum production.

Attached are: 1. Location & acreage dedication plat
2. Supplemental drilling data
3. Surface Use Plan

Post ID-1
7-12-91
New Line & APT

NOTE: On production string, a fluid caliber will be run, will figure cement w/25% excess, attempt to circulate.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robin Smith TITLE Production Clerk DATE 5/1/91
(This space for Federal or State office use)

PERMIT NO. 2 APPROVAL DATE 7-8-91
APPROVED BY [Signature] TITLE [Signature] DATE 7-8-91

APPROVAL SUBJECT TO:
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*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 agency of the United States any false statement.

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

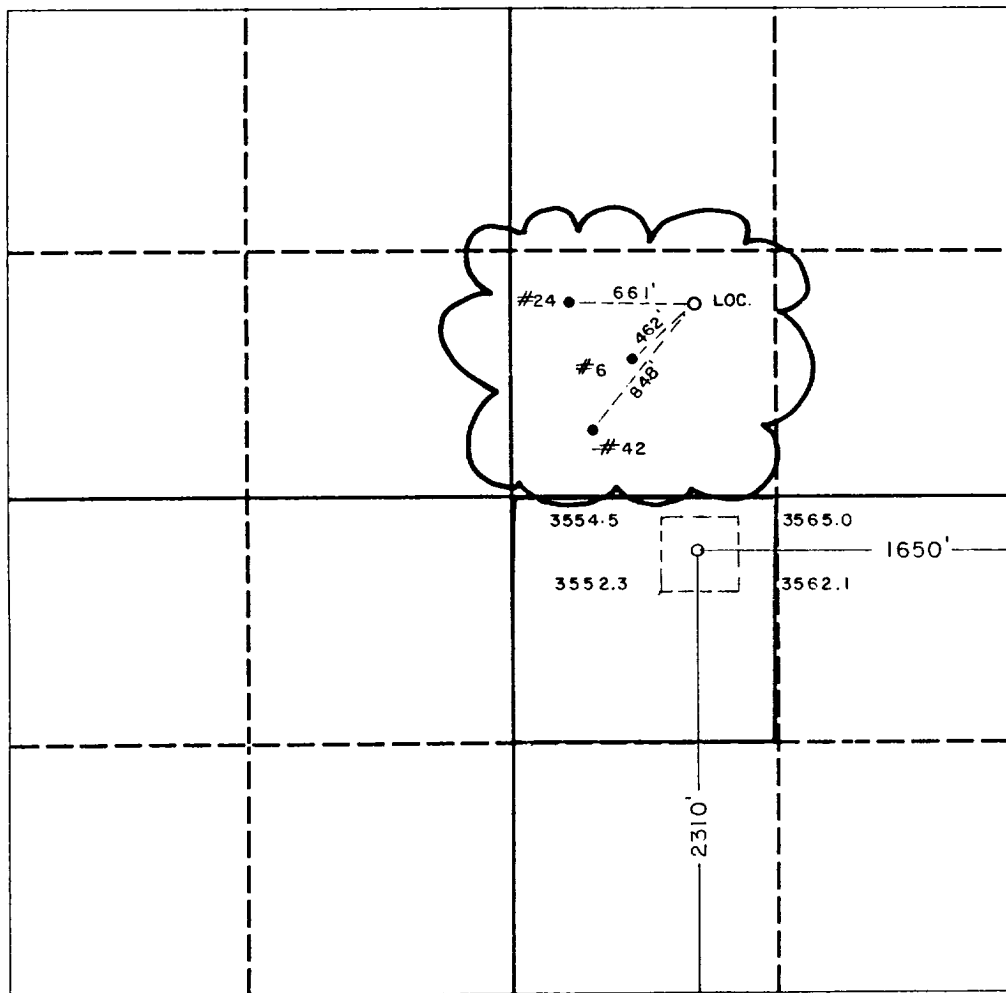
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MARBOB ENERGY CORP.			Lease M. DODD A		Well No. 46
Unit Letter J	Section 22	Township 17 SOUTH	Range 29 EAST	County EDDY	
Actual Footage Location of Well: 2310 feet from the SOUTH line and 1650 feet from the EAST line					
Ground level Elev. 3554.5	Producing Formation San Andres		Pool Grbg Jackson SR Q Grbg SA		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary). _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Rhonda Nelson
Printed Name
Rhonda Nelson
Position
Production Clerk
Company
Marbob Energy Corporation
Date
March 27, 1991

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
3/27/91
Signature & Seal of
Professional Surveyor

Certificate No. 676
RONALD J. EDSON, 3239

SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
M. DODD A 45
SW/4SE/4 SEC. 22, T-17S, R-29E
EDDY COUNTY, NEW MEXICO
(DEVELOPMENT WELL)

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	360'	Queen	1815'
Base Salt	780'	Grayburg	2140'
Yates	930'	San Andres	2510'
Seven Rivers	1145'	Glorietta	3900'

3. ANTICIPATED POROSITY ZONES:

Water	Above 180'
Oil	2350' - 5000'

4. CASING DESIGN:

SIZE	INTERVAL	WEIGHT	GRADE	JOINT	CONDITION
8 5/8"	0-350'	24.0#	J-55	LTC	New
5 1/2"	0-5000'	17.0#	J-55	LTC	New

5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used. (See diagram attached as Exhibit "E")

6. CIRCULATING MEDIUM:

0' - 350' Fresh water mud with gel or lime as needed for viscosity control.

350' - 5,000' 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. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about June 25, 1991. Duration of drilling, testing and completion operations should be one to four weeks.

SURFACE USE PLAN
FOR
DRILLING, COMPLETION AND PRODUCTION

MARBOB ENERGY CORPORATION
M. DODD A 46
NW/4SE/4 SEC. 22, T-17S, R-29E
EDDY COUNTY, NEW MEXICO
(DEVELOPMENT WELL)

This plan is submitted with the application for permit to drill the above described well. The purpose of the plan is to describe the location of the proposed development well, the proposed construction activities and operations plan, the magnitude of 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 affects associated with the operation.

LOCATED: Approximate 20 air miles east of Artesia,
New Mexico.

FEDERAL LEASE NUMBER: LC-028731 (A)

LEASE ISSUED: January 1, 1960

RECORD LESSEE: Sun Oil Company

OPERATOR'S AUTHORITY: Operating rights owned by Marbob Energy Corporation.

BOND COVERAGE: Lessees \$150,000 nation-wide bond.

ACRES IN LEASE: 600 acres

SURFACE OWNERSHIP: U.S. Government with a grazing permit issued to Bogle Farms, Inc., P.O. Box 358, Dexter, New Mexico 88230.

POOL: Grayburg-Jackson, SR, Q, Gb, SA

FOOTAGE LOCATION OF DRILLSITE: 2310 FSL, 1650 FEL

EXHIBITS:

- A. Portion of Eddy County Map
- B. Oil & Gas Map
- 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 20 miles east on Federal Highway US-82 9/10 of a mile beyond Mile Post 127. (This point is approximately 4.5 miles west of Loco Hills, New Mexico). From this starting point turn right (South) on paved road (County Road E-213) and proceed in a southerly direction for a distance of .2 miles. Next turn left and proceed northeast for a distance of .1 miles. At this point the proposed new road begins. Turn right and proceed in an easterly direction (approximately) 100 feet to drillsite.
2. PROPOSED NEW ROAD: The new road will run from the existing road east and north to the drillsite, a distance of approximately 120 feet.
3. LOCATION OF EXISTING WELLS: The nearest production to the proposed well is the M. Dodd A #26 well located southwest 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 NW/4SE/4 of Section 22-17S-29E.
 - B. If the well is productive, the flowline will be laid along the proposed and existing roadbeds to the battery. The flowline will be constructed of used 2 1/2" steel tubing which has a thickness of .217 inches and will maintain a pressure test of at least 3000 lbs. The flowline will be laid on top of the surface.
 - C. There are electric powerlines on the lease, the closest pole being located approximately 370 feet south of the well location. The proposed electric powerline would be approximately 100 feet in length and run from the above referenced pole to a pole in the southwest corner of the well pad, which will have to be inserted. Marbob Energy will install and maintain the powerlines.
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. CONSTRUCTION MATERIALS: 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 cutting 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. WELLSITE LAYOUT: 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. Topography: The undisturbed wellsite is at an elevation of 3554.5 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. Flora: Flora in the vicinity surrounding the drillsite is sparse. It consists primarily of javalina, saltbush, broomweed and mesquite.
- E. Fauna: 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. Water Wells: The nearest known water well is over 1 mile to the south.
- 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

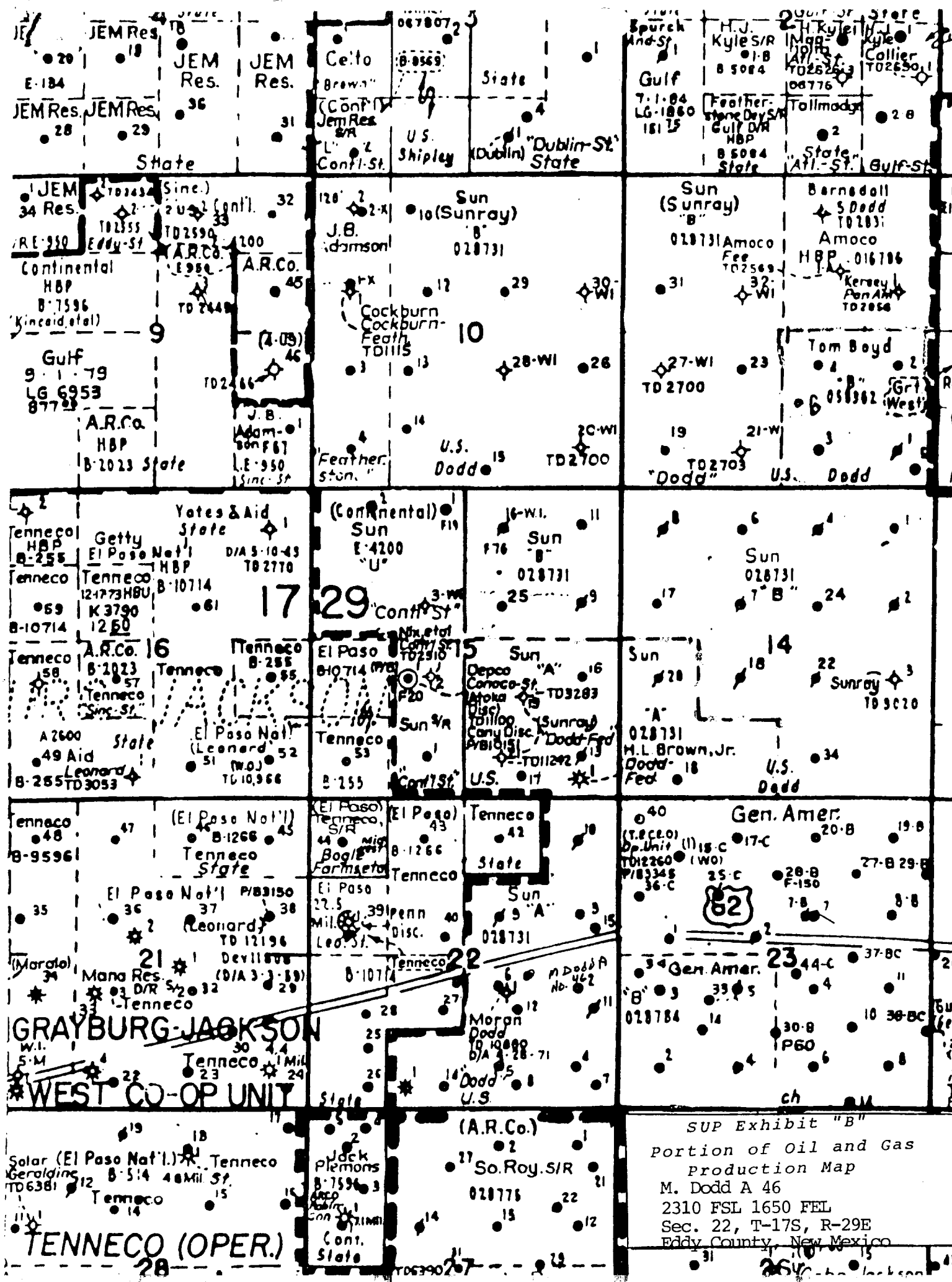
13. CERTIFICATION:

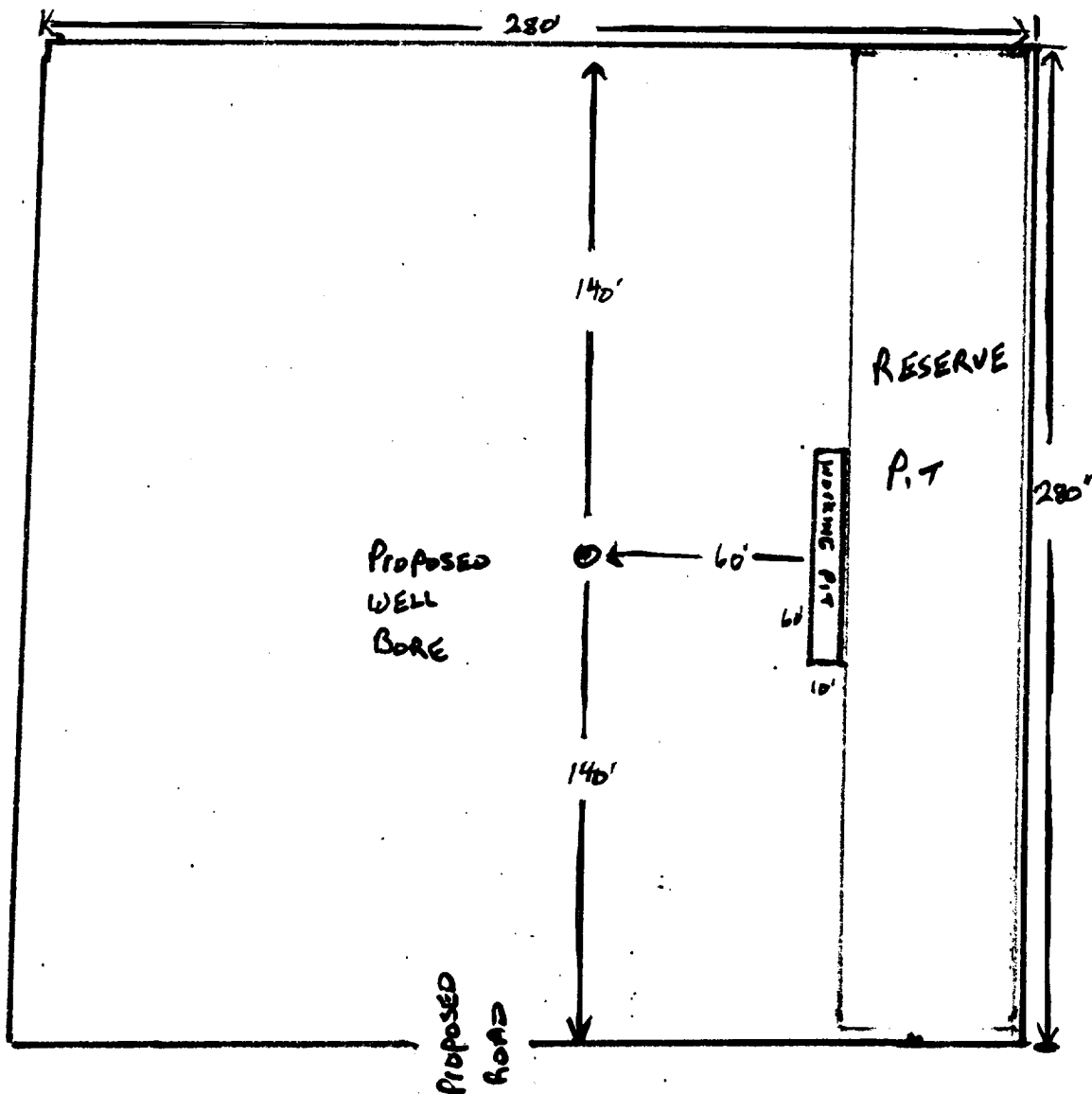
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated 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.

April 30, 1991

Date


Mack C. Chase, President
MARBOB ENERGY CORPORATION





LEGEND

1cm = 20 ft.

SUP Exhibit "D"

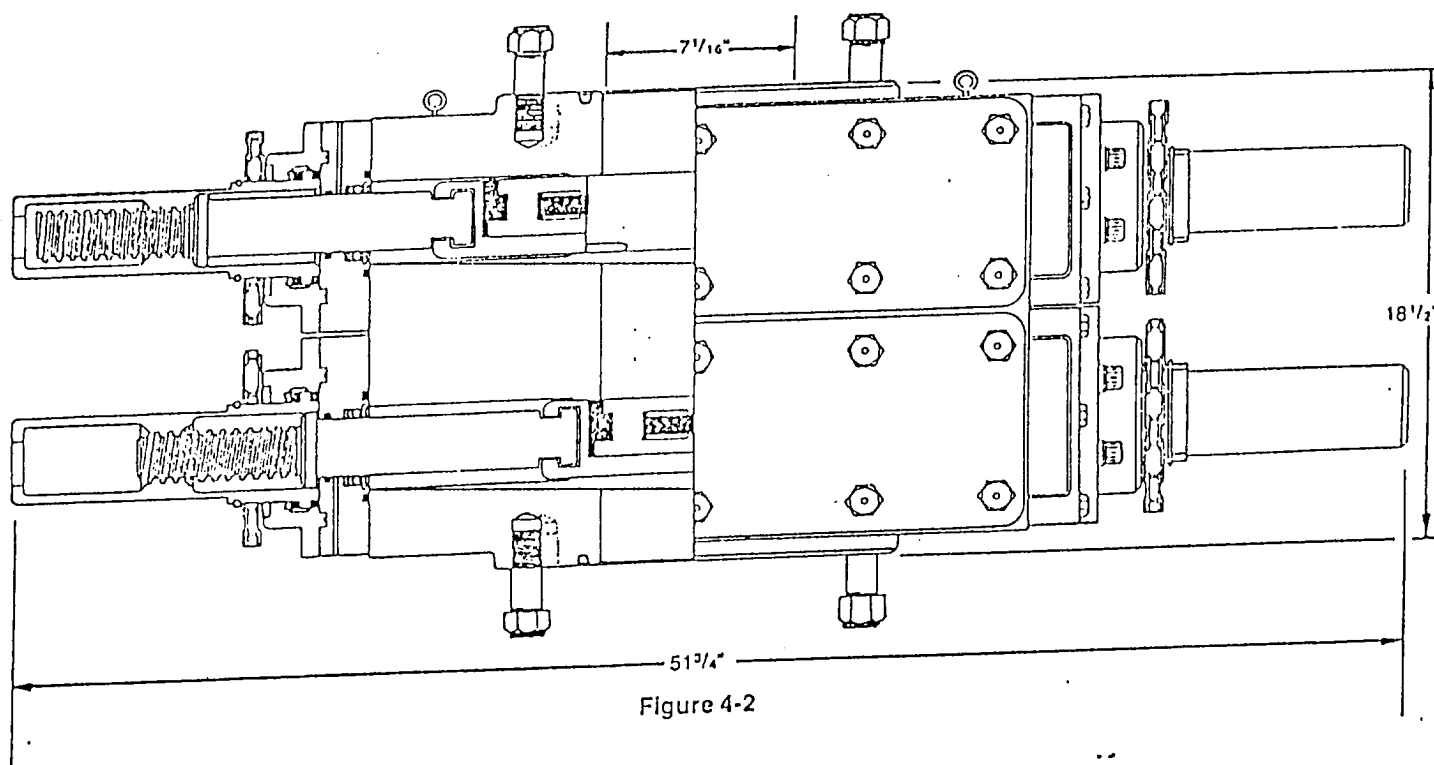
SKETCH OF PROPOSED WELL PAD

M. Dodd A 46

1650 FEL 2310 FSL

Sec. 22, T-17S, R-29E

Eddy County, New Mexico



DIMENSIONS AND WEIGHTS

		Manual
Weight	Single (pounds)	1,272
	Double (pounds)	2,335
Overall height, less studs	Single (inches)	10
	Double (inches)	18 1/2
Overall length (inches)		51 3/4
Overall width, less handwheel (inches)		20 1/4
Opening through preventer (inches)		7 1/16
Working pressure (psi)		3,000
Test pressure (psi)		6,000
Handwheel diameter (inches)		20
Ring joint gasket API number		R-45

SUP Exhibit "E"
 M. Dodd A 46
 2310 FSL 1650 FEL
 Sec. 22, T-17S, R-29E
 Eddy County, New Mexico