

C/58

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☐ Re-enter DEEPEN ☒

b. TYPE OF WELL

OIL WELL ☐ GAS WELL ☐ OTHER SWD SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Nearburg Producing Company

3. ADDRESS AND TELEPHONE NO.

P. O. Box 823085, Dallas, Texas 75382-3085

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1980' FSL and 1960' FWL, Unit K

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10 Miles WSW of Lakewood, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drg. unit line, if any) 1,960'

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

N/A

16. NO. OF ACRES IN LEASE

N/A

19. PROPOSED DEPTH

11,000

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

N/A

20. ROTARY OR CABLE TOOLS

Rotary

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

3,548.1' GR

22. APPROX. DATE WORK WILL START\*

12-26-91

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
* 17-1/4"	H-40, 13 3/8"	48 #	315'	Circulated (Existing)
* 11"	J-55, 8 5/8"	24#	1,250'	Circulated (Existing)
7-7/8"	N-80&K-55, 5-1/2"	17 & 20#	10,050'	Formation Packer Shoe at 10,050'. Stage I, 300 sx D.V. Tool @ 9400'. Stage II 650 sx. D. V. Tool @ 6,000'. Stage III 1100 sx.

We plan to drill out all plugs and deepen well to 11,000' with 7-7/8" bit. 5-1/2" casing will be set at +/- 10,050' with a formation packer shoe. Water will be injected in the Devonian formation from approximately 10,200' to 11,000'.

BOP Program attached. APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

Former: Reed & Stevens Inc.  
Mobil Fed. Com #1  
TD-9710 P+R 9-22-91

\* This casing was set when well was originally drill. No casing was pulled when well was plugged.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

*Eddie J. Schuch*

TITLE Operations Coordinator

DATE November 25, 1991

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

12.31.91

\*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, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator <b>Harvard Exploration &amp; Development Corp.</b>		Lease <b>Mobil Federal Com</b>		Well No. <b>1</b>
Section <b>K</b>	Section <b>7</b>	Range <b>20 South</b>	Range <b>25 East</b>	County <b>Eddy</b>
Actual Well Location - Well: <b>1980</b> feet from the <b>South</b> line and <b>1960</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3548.1</b>	Producing Formation <b>Morrow</b>	Pool <b>Cemetery Morrow</b>	Dedicated Acreage: <b>W/2-318.00</b> Acres	

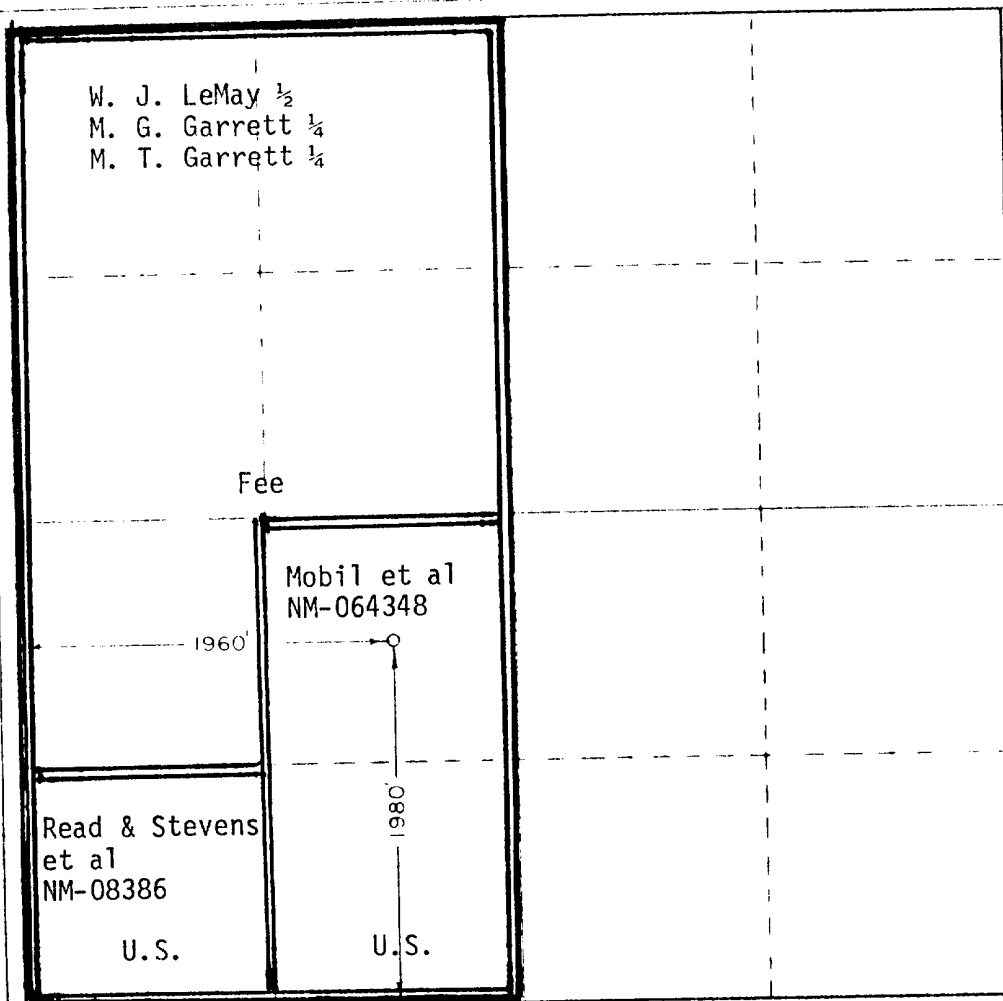
- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Proration unit  
will be communitized if productive.

☐ 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 interests, has been approved by the Commission.



CERTIFICATION

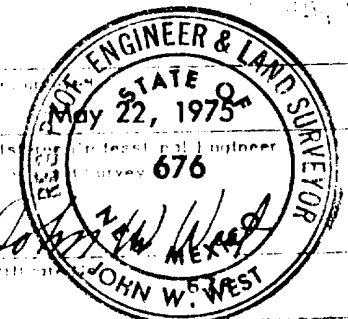
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*William J. LeMay*  
William J. LeMay

Agent

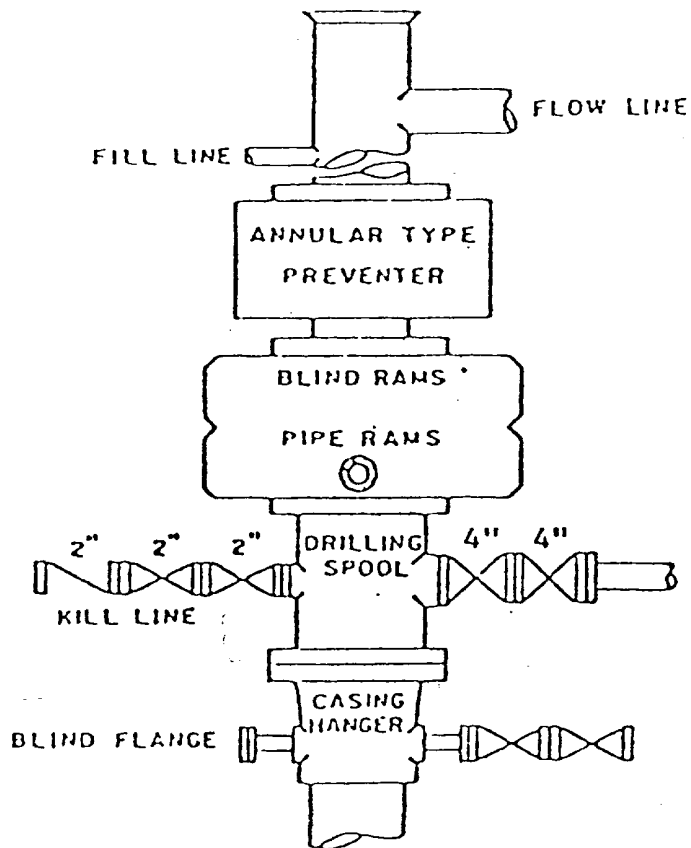
Harvard Exploration & Development Corporation  
May 28, 1975

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.



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

BLOWOUT PREVENTER SKETCH  
Nearburg Producing Company  
MOBIL FEDERAL COM WELL # 1 SWD



**Nearburg Producing Company**

Exploration and Production  
P.O. Box 823085  
5447 Glen Lakes Drive  
Dallas, Texas 75382-3085  
214-739-1778  
FAX 214-739-4819

**SUPPLEMENTAL DRILLING DATA**

**NEARBURG PRODUCING COMPANY**

**MOBIL FEDERAL COM WELL NO. 1 SWD**

**1. SURFACE FORMATION:**

Dockum Group of Triassic Age.

**2. ESTIMATED TOPS OF GEOLOGIC MARKERS:**

San Andres.....600'  
Glorieta.....1,410'  
Bone Springs.....3,060'  
Wolfcamp.....6,400'  
Cisco.....7,610'  
Strawn.....8,195'  
Atoka.....8,500'  
Devonian.....10,100'

**3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:**

None

**4. CASING AND CEMENTING PROGRAM:**

Casing Size	Setting From	Depth To	Weight	Grade	Joint
13-3/8"	0'	315'	48#	J-55	ST&C (Existing)
8-5/8"	0'	1,250'	24#	J-55	ST&C (Existing)
5-1/2"	0'	10,050'	17# & 20#	J-55 & N-80	LT&C

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

13-3/8" casing was cemented with 300 sx, cement circulated to surface when well was originally drilled in 1977.

8-5/8" casing was cemented with 610 sx, cement circulated to surface. None was pulled when well was plugged and abandoned in 1977.

5-1/2" casing will be cemented with approximately 2,050 sx using a packer shoe and 2 D. V. tools set at 9,400' and 6,000'.

5. PRESSURE CONTROL EQUIPMENT:

The BOP stack will consist of a 3,000 psi working pressure, dual ram type preventer.

A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 11,000':

Re-enter and clean out to old TD of 9,700'. Drill 7-7/8" hole to 11,000' using salt water gel with 60,000 ppm chlorides, 10-20 cc. water loss, viscosity 35-40, mud weight 9.2 to 9.6 ppg.

7. AUXILIARY EQUIPMENT:

None required.

8. TESTING, LOGGING, AND CORING PROGRAM:

None anticipated.

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

None anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence on December 26, 1991, with re-entering, drilling and completion operations lasting about 30 days.

**Nearburg Producing Company**

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Exploration and Production  
P.O. Box 823085  
5447 Glen Lakes Drive  
Dallas, Texas 75382-3085  
214-739-1778  
FAX 214-739-4819

**SURFACE USE AND OPERATIONS PLAN FOR**  
**RE-ENTERING, DEEPENING, AND COMPLETING**  
**AS A SALT WATER DISPOSAL WELL**

NEARBURG PRODUCING COMPANY  
MOBIL FEDERAL COM WELL NO. 1 SWD  
1,980' FSL & 1,960' FWL of Section 7-T20S-R25E  
EDDY COUNTY, NEW MEXICO

**LOCATED:**

Ten miles west, southwest of Lakewood, New Mexico.

**OIL & GAS LEASE:**

N/A (See attached Nearburg's approval to inject water into the Devonian formation as per Administrative Order No. SWD-448 issued by the State of New Mexico Oil Conservation Division.)

**RECORD LESSEE:**

Nearburg Producing Company

**BOND COVERAGE:**

\$25,000 statewide bond of Nearburg Producing Company.

**ACRES IN LEASE:**

N/A

**FORMATION:**

Devonian

**EXHIBITS:**

- A. Area Road Map
- B. Drilling Rig Layout
- C. Vicinity Oil and Gas Map
- D. Topographic and Location Verification Map
- E. Administrative Order No. SWD-448
- F. Well Profile

This well will be re-entered and drilled to a depth of approximately 11,000'. Original well location plat on file, BLM Artesia, New Mexico.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a section map showing the location of the proposed well as staked.
- B. Exhibit "C" is a plat showing existing roads in the vicinity of the proposed well site.

2. ACCESS ROAD:

A. Length and Width:

The access road will be approximately 12' wide and about 700' long and is shown on Exhibit "D".

B. Surfacing Material:

Existing

C. Maximum Grade:

Less than two percent.

D. Turnouts:

None necessary.

E. Drainage Design:

Existing

F. Culverts:

None necessary.

G. Gates and Cattle Guards:

One cattle guard.

3. LOCATION OF EXISTING WELLS:

- A. Existing wells in the immediate area are shown on Exhibit "C".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. Necessary production facilities for this well will be located on the well pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. It is not contemplated that a water well will be drilled. Water necessary for drilling will be purchased and hauled to the site over existing roads shown on Exhibit "D".

6. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
- B. 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. Location of the trash pit is shown on Exhibit "B".
- C. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.

7. ANCILLARY FACILITIES:

- A. None required.

8. WELL SITE LAYOUT:

- A. Exhibit "B" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit, and the location of major rig components.

9. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. The well site will be cleaned of all trash and junk to leave the site in an as aesthetically pleasing condition as possible.
- B. After abandonment, all equipment, trash, and junk will be removed and the well site will be cleaned.

10. OTHER INFORMATION:

A. Topography:

The land surface at the well site is rolling native grass with a regional slope being to the east.

B. Soil:

Top soil at the well site is sandy soil.

C. Flora and Fauna:

The location is in an area sparsely covered with mesquite and range grasses.



10. OTHER INFORMATION: (Continued)

D. Ponds and Streams:

There are no rivers, lakes, ponds or streams in the area.

E. Residences and Other Structures:

There are no occupied dwellings or other structures within a mile of the proposed well site.

F. Archaeological, Historical, and Cultural Sites:

None observed in the area.

G. Land Use:

Grazing.

H. Surface Ownership:

W. D. and Marilyn E. Buchanan and  
W. A. and Mattie Evelyn Buchanan  
2012 Tech Drive  
Levelland, Texas 79336


11. OPERATOR'S REPRESENTATIVE:

Mike Breeding  
One Petroleum Center  
3300 North A Street  
Building 8, Suite 100  
Midland, Texas 79705-5421  
Office: 915/686-8235  
Home: 915/570-8021

12. 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 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 Nearburg Producing Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

December 2, 1991  
-----  
Date

  
-----  
Eddie J. Gelwick  
Operations Coordinator



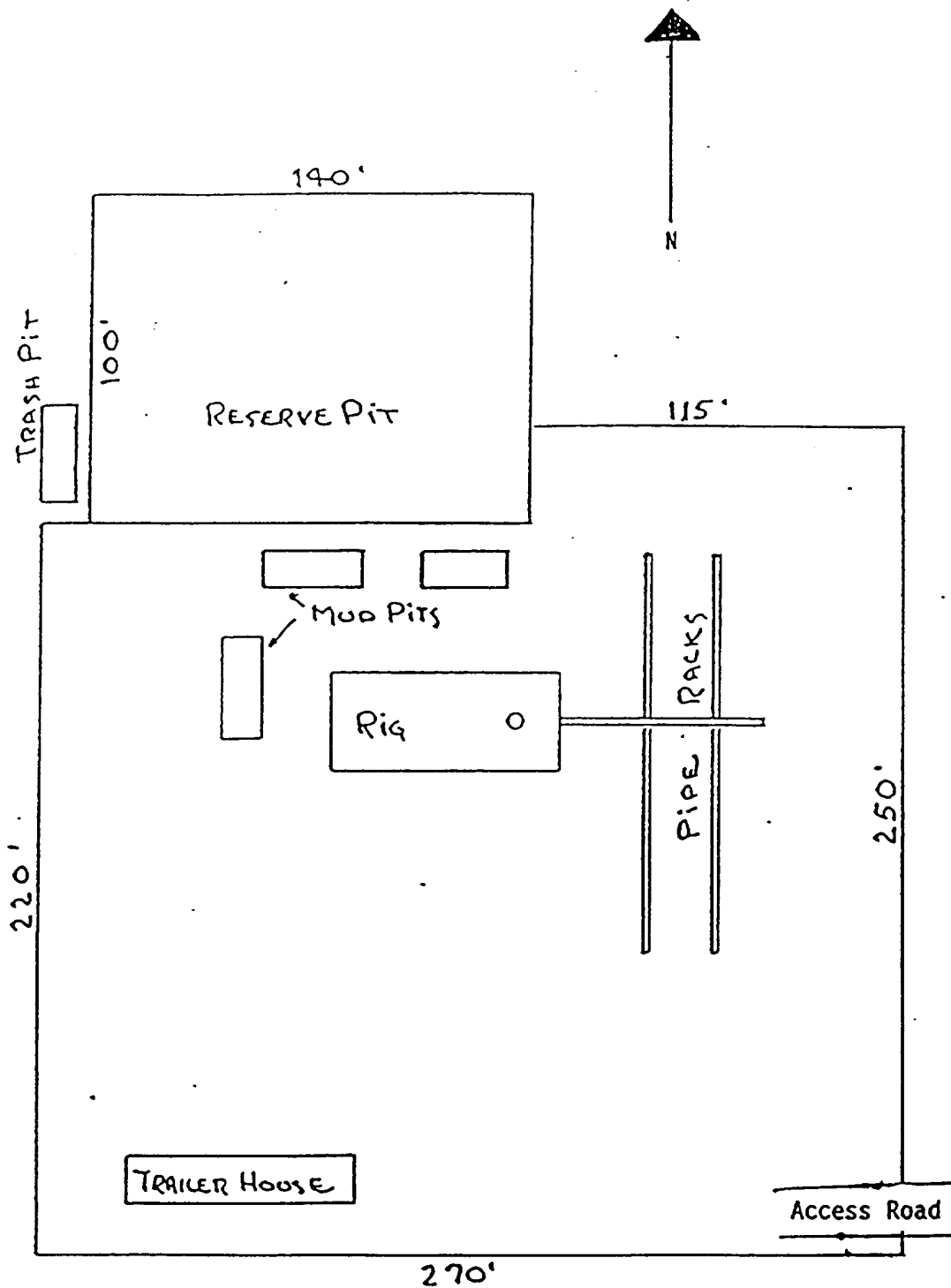
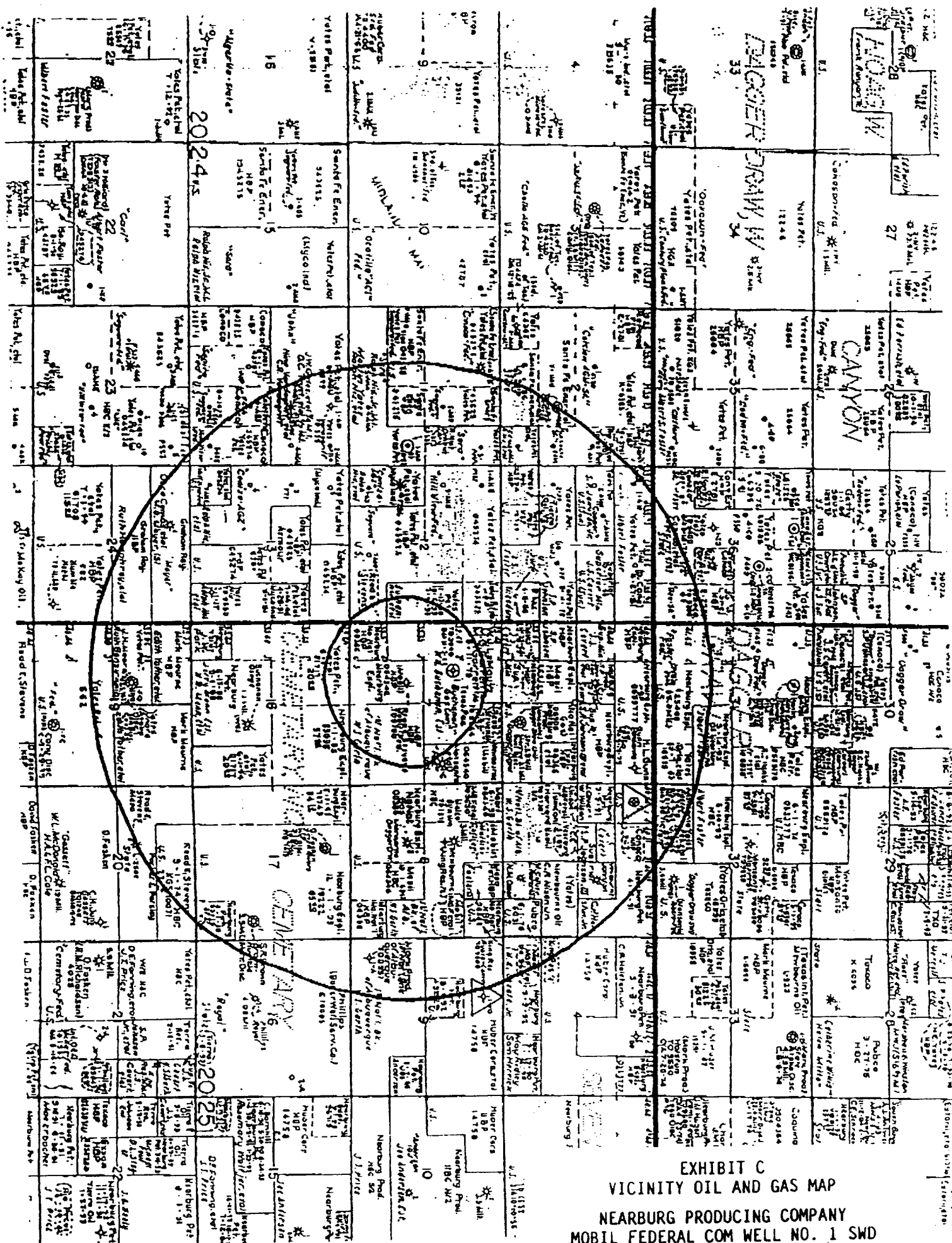
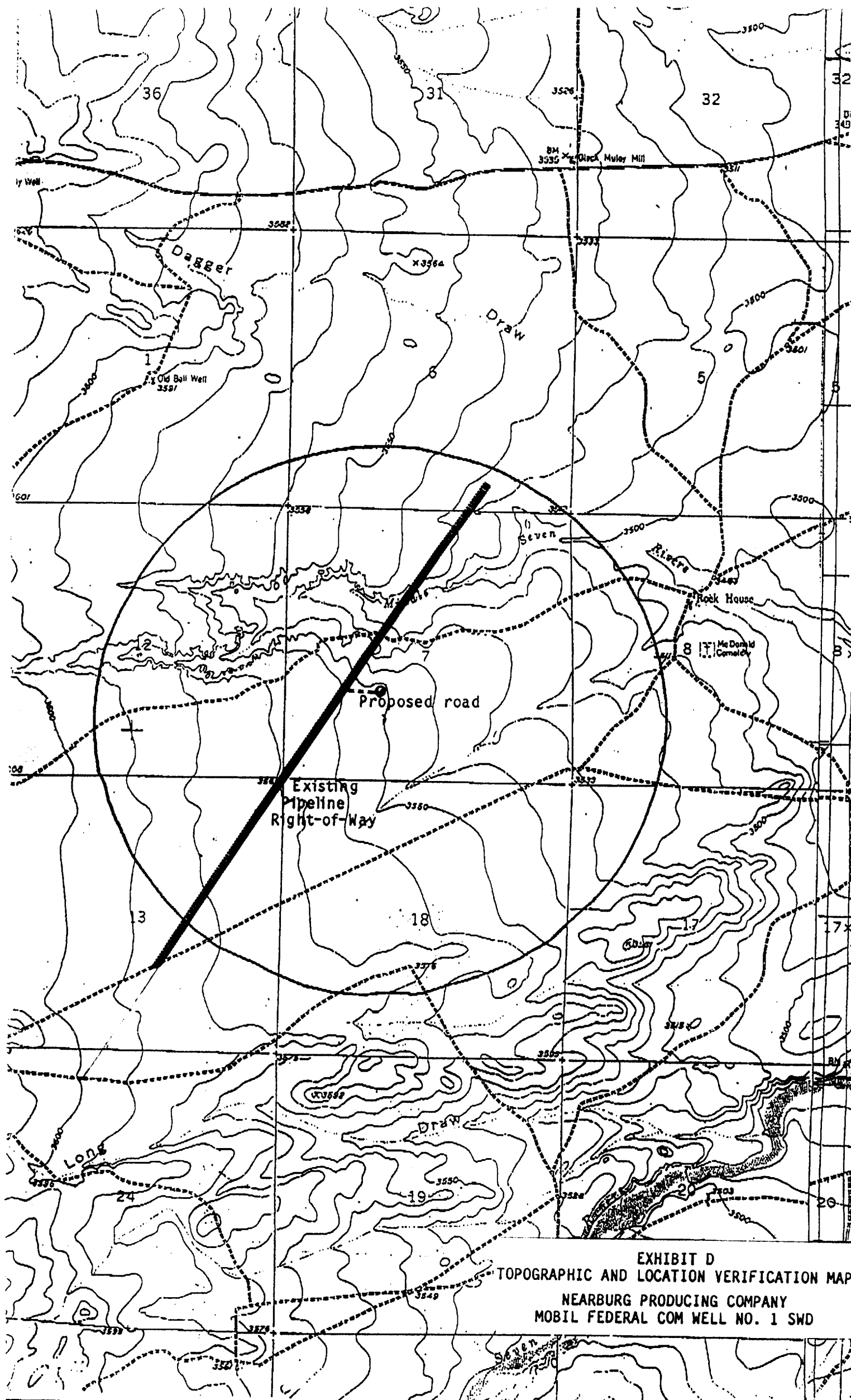


EXHIBIT B  
DRILLING RIG LAYOUT  
NEARBURG PRODUCING COMPANY  
MOBIL FEDERAL COM WELL NO. 1 SWD

SCALE 1" = 50'







BRUCE KING  
GOVERNOR

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION



POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

**ADMINISTRATIVE ORDER NO. SWD-448**

**APPLICATION OF NEARBURG PRODUCING COMPANY**

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Nearburg Producing Company made application to the New Mexico Oil Conservation Division on October 29, 1991, for permission to complete for salt water its Mobil Federal Com Well No. 1 located in Unit K of Section 7, Township 20 South, Range 25 East, NMPM, Eddy County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations.
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified; and
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.
- (4) No objections have been received within the waiting period prescribed by said rule.

**IT IS THEREFORE ORDERED THAT:**

- (1) The applicant herein, Nearburg Producing Company is hereby authorized to complete its Mobil Federal Com Well No. 1 located in Unit K of Section 7, Township 20 South, Range 25 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Devonian formation at approximately 10,200 feet to approximately 11,000 feet through 2 7/8 inch plastic lined tubing set in a packer located at approximately 10,100 feet.

EXHIBIT E  
ADMINISTRATIVE ORDER NO. SWD-448  
NEARBURG PRODUCING COMPANY  
MOBIL FEDERAL COM WELL NO. 1 SWD

*Administrative Order No. SWD-448  
Nearburg Producing Company  
November 18, 1991  
Page 2*

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 2,040 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Devonian formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

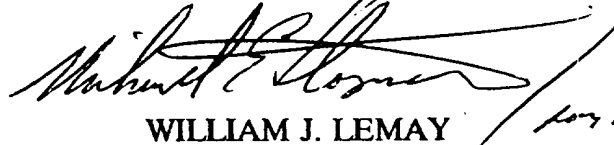
**PROVIDED FURTHER THAT,** jurisdiction of this cause is hereby retained by the Division for such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

*Administrative Order No. SWD-448*  
*Nearburg Producing Company*  
*November 18, 1991*  
*Page 3*

The operator shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 18th day of November, 1991.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY  
Director

S E A L

cc: Oil Conservation Division - Artesia  
US Bureau of Land Management - Carlsbad

jc\



	SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING	PRODUCTION TUBING
SIZE	13-3/8"	8-5/8"	5-1/2"	2-7/8"
WEIGHT	48#	24#	17#	6.4#
GRADE	H-40	J-55	N-80	N-80 (IPC)
THREAD	ST&C	ST&C	LT&C	8 RD
DEPTH	315'	1250'	10,200'	10,050'

[illegible]

NEARBURG PRODUCING COMPANY  
MOBIL FEDERAL COM WELL NO. 1 SWD