

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
Enron Oil & Gas Company
3. ADDRESS OF OPERATOR
P. O. Box 2267, Midland, Texas 79702
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
660' FSL & 660' FEL
At proposed prod. zone
660' FSL & 660' FEL
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
11 miles SE from Loco Hills
15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660' 660'
16. NO. OF ACRES IN LEASE
760
17. NO. OF ACRES ASSIGNED
TO THIS WELL
40
18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
None
19. PROPOSED DEPTH
8600'
20. ROTARY OR CABLE TOOLS
Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3570.5' GR
22. APPROX. DATE WORK WILL START*
November 20, 1989

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	11-3/4	42# H40 ST&C	650'	550 sacks <u>circulated</u>
11	8-5/8	24# K55 ST&C	2500'	575 sacks <u>circulated</u>
7-7/8	5-1/2	17# K55 LT&C	8400'	1025 sacks

Post ID-1
11-24-89
New & V A PI

BOP - Install at 2500' with 5000# cap.

Gas is dedicated.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL CONDITIONS
ATTACHED

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 Betty Gildon Betty Gildon TITLE Regulatory Analyst DATE 11/9/89
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Chris. Signed by Richard L. Andrews AREA MANAGER
CONDITIONS OF APPROVAL, IF ANY: _____ TITLE CARLSBAD RESOURCE AREA DATE 11-17-89

*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.

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

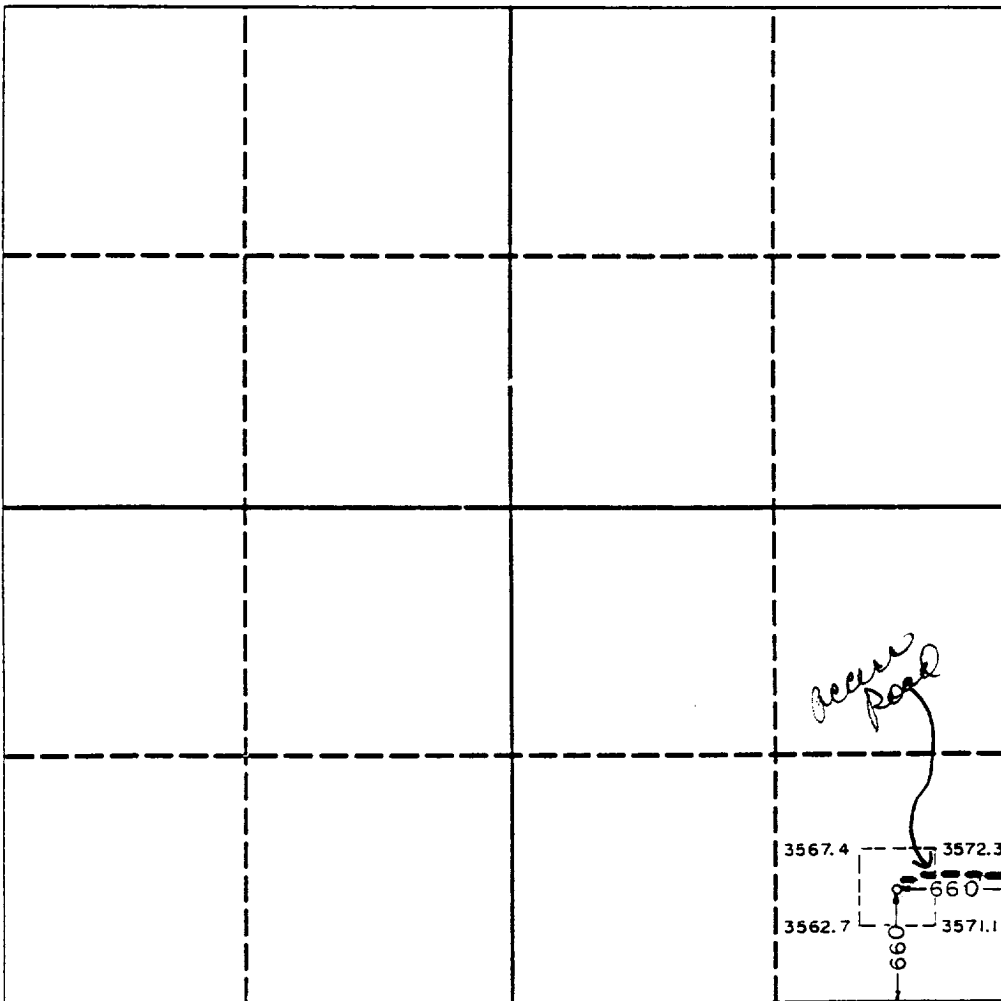
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Enron Oil & Gas Company			Lease Yates 1 Federal		Well No. 1
Unit Letter P	Section 1	Township 18 South	Range 30 East	County NMPM	Eddy
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the East line					
Ground level Elev. 3570.5	Producing Formation Bone Spring		Pool Shugart, North	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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
Betty Gildon
Printed Name
Betty Gildon
Position
Regulatory Analyst
Company
Enron Oil & Gas Company
Date
11/9/89

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
October 24, 1989
Signature & Seal of
Professional Surveyor

CERTIFIED PROFESSIONAL SURVEYOR
LAND SURVEYING
No. 1000
Certificate No. JOHN W. WEST 676
DONALD J. EASON 3239
NEW MEXICO
JOHN W. WEST

APPLICATION FOR PERMIT TO DRILL

1. The geologic surface formation is Quaternary.
2. The estimated tops of important geologic markers are:
 1. 1st Bone Spring Sand 7110' 6. _____
 2. 2nd Bone Spring Carb 7435' 7. _____
 3. 3rd Bone Spring Sand 7655' 8. _____
 4. _____ 9. _____
 5. _____ 10. _____
3. Depths at which oil, water, or gas bearing formations are expected to be encountered.

Bone Spring 7110' to 7655'

4. Brief description of testing, logging, and coring programs.

Drill Stem test as necessary
Gamma Ray: Surface to TD
Sonic an/or Neutron Density 2300' +/- to TD
Mud Logger 2300' +/- to TD

No coring anticipated

5. Any anticipated abnormal pressures or temperatures expected? Any potential hazards - H₂S?

No abnormal pressures/temperatures anticipated

No H₂S zones expected.

1. (A) Pressure control equipment to be used.

1 - 5000# WP Cameron Iron Works double type "U" Blowout preventor with pipe rams and blind rams.

- (B) Pressure ratings (or API series).

1 - 1500 series - 5000# WP

- (C) Testing procedures and frequency.

BOP will be tested at installation point as indicated on Application for Permit to Drill (Form 3160-3).

- (D) Schematic Diagram.

See attached Exhibit "C"

2. Mud Program

Type and Characteristics

0 - 650	8.5 - 8.8	Native
650 - 2500'	10.0	Brine Water
2500 - 8400'	8.4	Fresh water
	w/ 8.4 - 10.0	gel/starch

Quantities and types of weighting material to be maintained

500 sacks barite on location.

ENRON OIL & GAS COMPANY

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Yates "1" Federal, Well No. 1
660' FSL & 660' FEL
Section 1, T18S, R30E
Eddy County, New Mexico

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 well, the proposed construction activities and operations, the magnitude of 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 operation

1. EXISTING ROADS:

See attached Exhibit "A".

2. PLANNED ACCESS ROADS:

- A. Length & Width: Initial new road required will be 20 feet in width and will be approximately 920 feet in length. The center line of the proposed new road has been staked and flagged with stakes visible from any one to the next.
- B. Surfacing Material: Six inches of caliche, water compacted and graded.
- C. Minimum Grade: 3 percent.
- D. Turnouts: spacing interval at every 400 feet..
- E. Drainage Design: The new road will have a drop of 6 inches from the center line on each side.
- F. Culverts: None required.
- G. Cuts & Fills: Cuts & fills will be kept to a minimum.
- H. Gates & Cattleguards: None required.

3. LOCATION OF EXISTING WELLS:

Closest existing wells are Enron Oil & Gas Company's Sand 7 Federal #3 is approximately 1565 feet to the southeast in Section 7, T18S, R30E, and Union Texas' Nestee #6 located 1320' to the east in Section 6, T18S, R30E.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

There are no existing production facilities. If production is encountered, a temporary facility will be established on the drill pad, and if warranted a production facility would be built at a later date in the immediate area of the drill-pad location. If the well is productive, the flowline would also be located on the drill-pad site and no additional disturbance will occur.

5. LOCATION AND TYPE OF WATER SUPPLY:

Water will be purchased from commercial sources and transported to the well site as depicted on Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS:

Caliche for surfacing the road and the pad will be obtained from a Federally owned pit located in the SENE 1/4 of Section 13, T18S, R30E, and will be transported by truck to the well site.

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 pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. 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".
- F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion of operations.

8. ANCILLARY FACILITIES:

None required.

9. WELLSITE LAYOUT:

- A. Exhibit "B" shows the relative location and dimensions of the well pad, mud pits, trash pit and location of major rig components.
- B. Only minor levelling of the well site will be required.
- C. The reserve pit will be plastic lined.
- D. The pad and pit area have been staked and flagged.

10. 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. Pits will be filled and locations cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible. Fence will be replaced to existing specs and a cattleguard installed.
- B. Any unguarded pits containing fluid will be fenced until they are filled.
- C. After abandonment of the well, surface restoration will be in accordance with current Federal laws and regulations. Pits will be filled and location will be cleaned. The pit area, and well pad will be removed to promote vegetation.

11. OTHER INFORMATION:

- A. Topography: Proposed location is located on a duned surface with a slope of 0.85° . Drainage is of a karstic nature.
- B. Soil: soil is made up of loose coarse-grained sandy loams and loamy sands.
- C. Flora & Fauna: Vegetation primarily consists of mesquite, plains yucca, prickly pear, plains brittle grass, N.M. feather grass, etc. Wildlife in the area is that characteristic of a semi-arid desert land and includes coyotes, rabbits, rodents, reptiles and some birds.
- D. Ponds & Streams: None in the immediate vicinity
- E. Residences & other structures: None
- F. Archaeological, Historical & Cultural Sites: None

12. OPERATOR'S REPRESENTATIVE:


The field representative responsible for assuring compliance with the approved surface use and operations plan is as follows:

Mr. G. M. Spears
1500 Sandalwood
Odessa, Texas 79760

Phones: Business: (915) 686-3720
Home: (915) 367-6763

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 Enron Oil & Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.



Ray L. Ingle
Operations Manager

Lined Reserve Pit

Flare
Line
Pit

Sump
Pit

Trash
Pit

LOCATION MEASURES 400' x 400'

EXHIBIT B

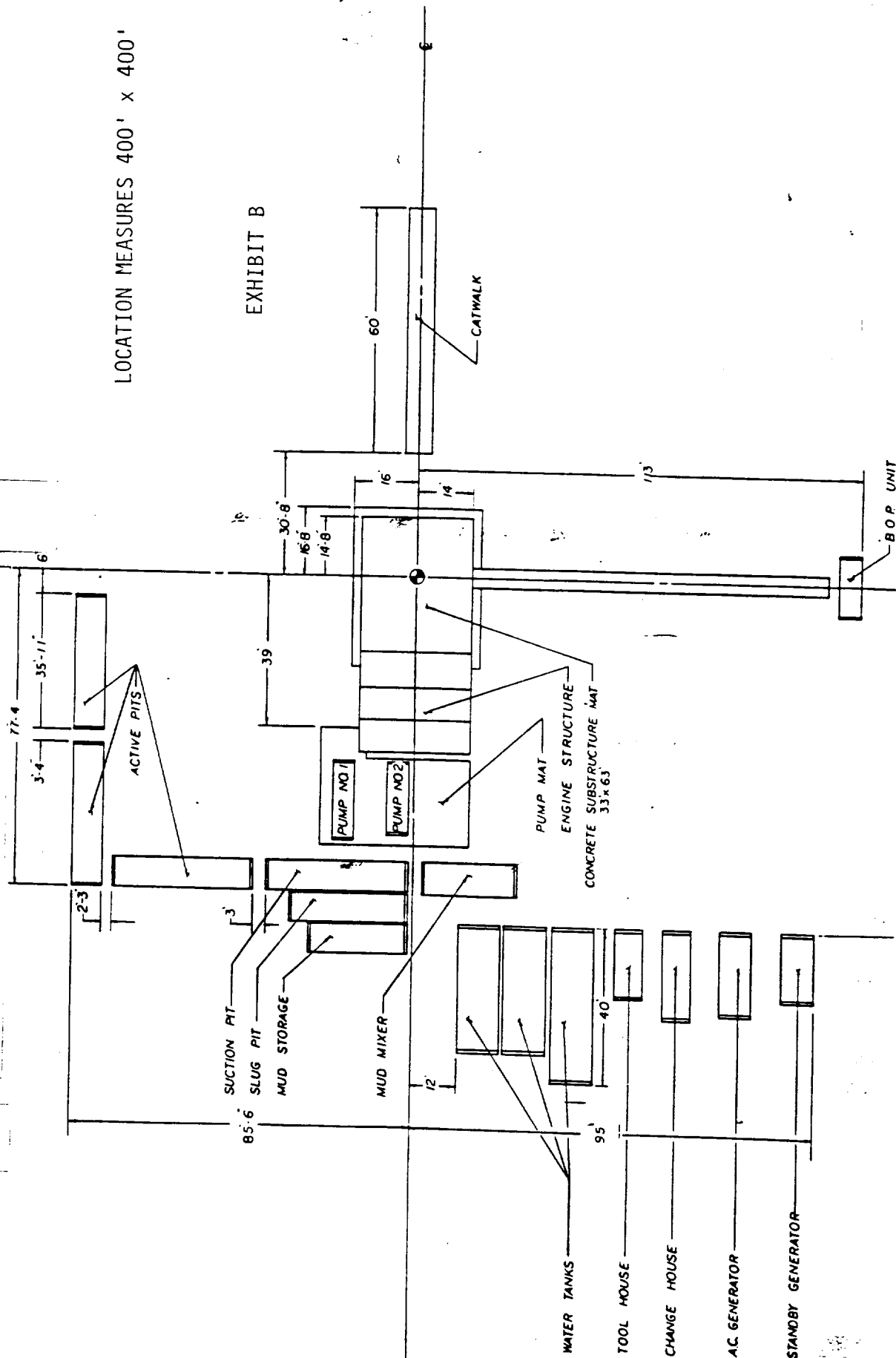


EXHIBIT "C"

