

NM OIL CON' COMMISSION

DRAWER DD

ARTESIA, NM 88210

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Enron Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.
 P. O. Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 2310' FNL & 2310' FWL
 At proposed prod. zone: 2310' FNL & 2310' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 35 miles NW from Jal

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 2310 330

16. NO. OF ACRES IN LEASE
 640

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.
 2640'

19. PROPOSED DEPTH
 8900

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3611' GR

22. APPROX. DATE WORK WILL START*
 November 18, 1994

5. LEASE DESIGNATION AND SERIAL NO.
 NM 14157

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
 Tresnor-Mitchell 30 Fed #2

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT
 Sand Dunes Bone Spring, South

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 30, T23S, R32E

12. COUNTY OR PARISH
 Lea

13. STATE
 NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8 H-40 A ST&C	42#	650	275 sx <u>CIRCULATED</u>
11	8-5/8 J-55 LT&C	32#	4600	725 sx <u>CIRCULATED</u>
7-7/8	5-1/2 N-80 LT&C	17#	8900	300 sx <u>est TOC @ 3500'</u>

The Undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on leased land or portions thereof as shown below:

NM 14157
 Section 30, T23S, R32E
 Bone Spring Formation

OPER. GRID NO. 7972
 PROPERTY NO. 15772
 POOL CODE 53805
 EFF. DATE 12-2-94
 API NO. 30-025-3-2754

Federal Bond number is MT 0748 with endorsement to New Mexico.

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 Betty Gildon TITLE Regulatory Analyst DATE 11/1/94

APPROVAL SUBJECT TO
**GENERAL REQUIREMENTS AND
 SPECIAL STIPULATIONS**
 ATTACHED thereon.

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 the same under the CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY (ORIG. SGD.) RICHARD L. MANIS TITLE _____ DATE 11/23/94

*See Instructions On Reverse Side

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 PO Drawer DD, Artesia, NM 88211-0719
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 PO Box 2088
 Santa Fe, NM 87504-2088

Form C-102
 Revised February 21, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 31-125-32754	² Pool Code 53805	³ Pool Name Sand Dunes Bone Spring, South
⁴ Property Code 15772	⁵ Property Name TRESNOR MITCHELL "30" FEDERAL	
⁷ OGRID No. 7377	⁶ Operator Name ENRON OIL AND GAS COMPANY	⁸ Well Number 2
		⁹ Elevation 3611

¹⁰Surface Location

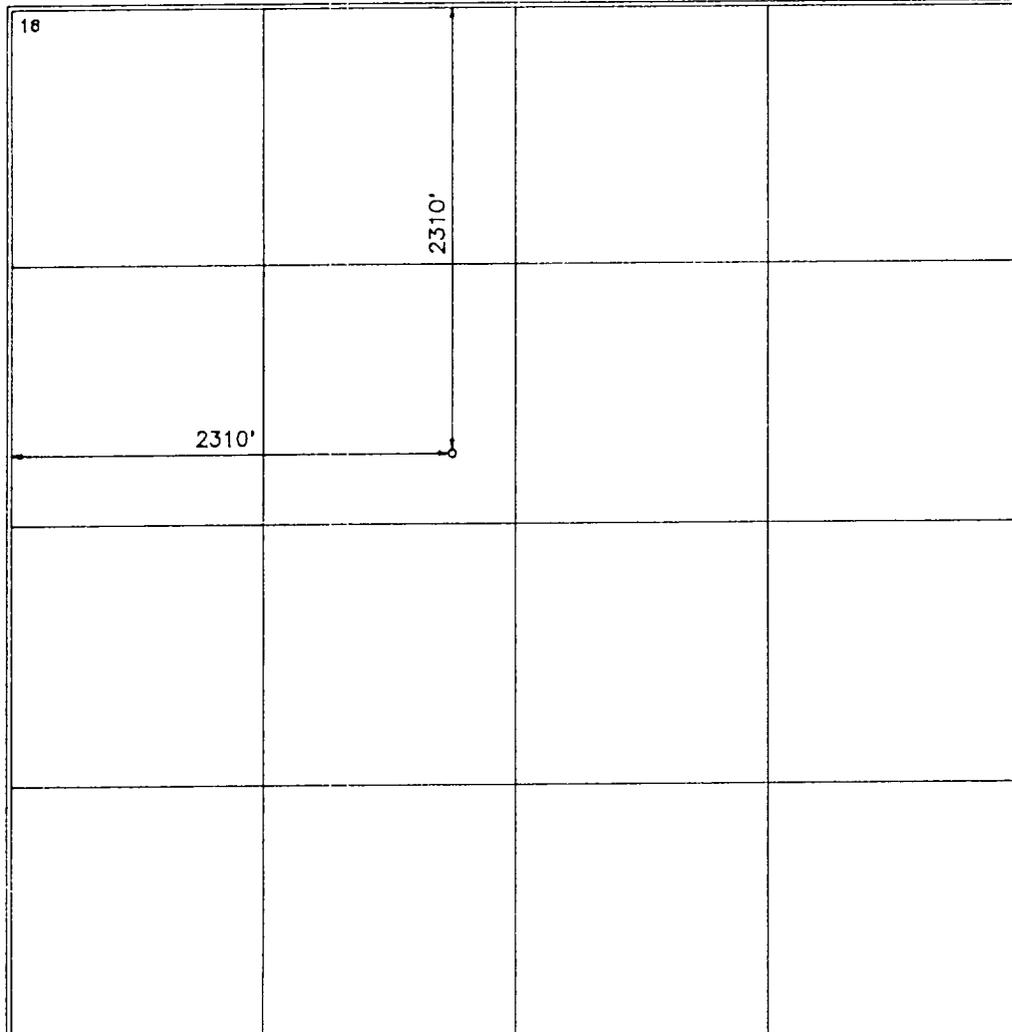
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	30	23-S	32-E		2310	NORTH	2310	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

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

Betty Gildon
 Signature

Betty Gildon
 Printed Name

Regulatory Analyst
 Title

10/18/94
 Date

¹⁸ 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 best of my belief.

10-10-94
 Date of Survey

Signature and Seal of Professional Surveyor:
Earl Foote

8278
 Certificate Number

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**ROD HUBBS
OFFICE**

DRILLING PROGRAM

Enron Oil & Gas Company
Tresnor-Mitchell 30 Federal No. 2
2310' FNL & 2310' FWL
Sec. 30, T23S, R32E
Lea County, New Mexico

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Important Geologic Markers:

Rustler	1020'
Delaware	4660'
Bell Canyon	4690'
Cherry Canyon	5745'
Bone Spring	8520'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Delaware	4660'
Bone Spring	8520'

No other formations are expected to give up oil, gas or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 11-3/4" casing at 650' and circulating cement back to surface, and 8-5/8" casing will be set at 4600' with cement circulating back to surface.

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Enron Oil & Gas Company
Tresnor-Mitchell 30 Federal No. 2
2310' FNL & 2310' FWL
Sec. 30, T23S, R32E
Lea County, New Mexico

4. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD csg</u>	<u>Weight Grade Jt. Cond. Type</u>
17-1/2	0- 650'	13- 3 /8	42# H-40 A ST&C
11	0- 4600'	8-5/8	32# J-55 LT&C
7-7/8	0- 8900'	5-1/2	17# N-80 LT&C

Cementing Program:

13-3/8" Surface casing: Cement to surface with 275 sx of Class C + 2% CaCl₂ + 1/4#/sx flocele.

8-5/8" Intermediate: Cement to surface with 425 sx of Premium Plus lite + 15#/sx salt + 1/4#/sx Flocele and 300 sx Cl C + 2% CaCl₂

5-1/2" Production: Cement with 350 sx 50/50 Cl H/Poz + 0.8% Halad 9 + 1/4#/sx Flocele. This cement slurry is designed to bring TOC to 3500.

505

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (3000 psi WP) preventer and an annular preventer (3000 psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All will be installed on the **13-3/8"** surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface casing. Before drilling out of intermediate casing, the ram-type BOP and accessory equipment will be tested to 3000 psi and the annular to 70% of rated working pressure (2100 psi).

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and 4" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 3000 psi WP rating.

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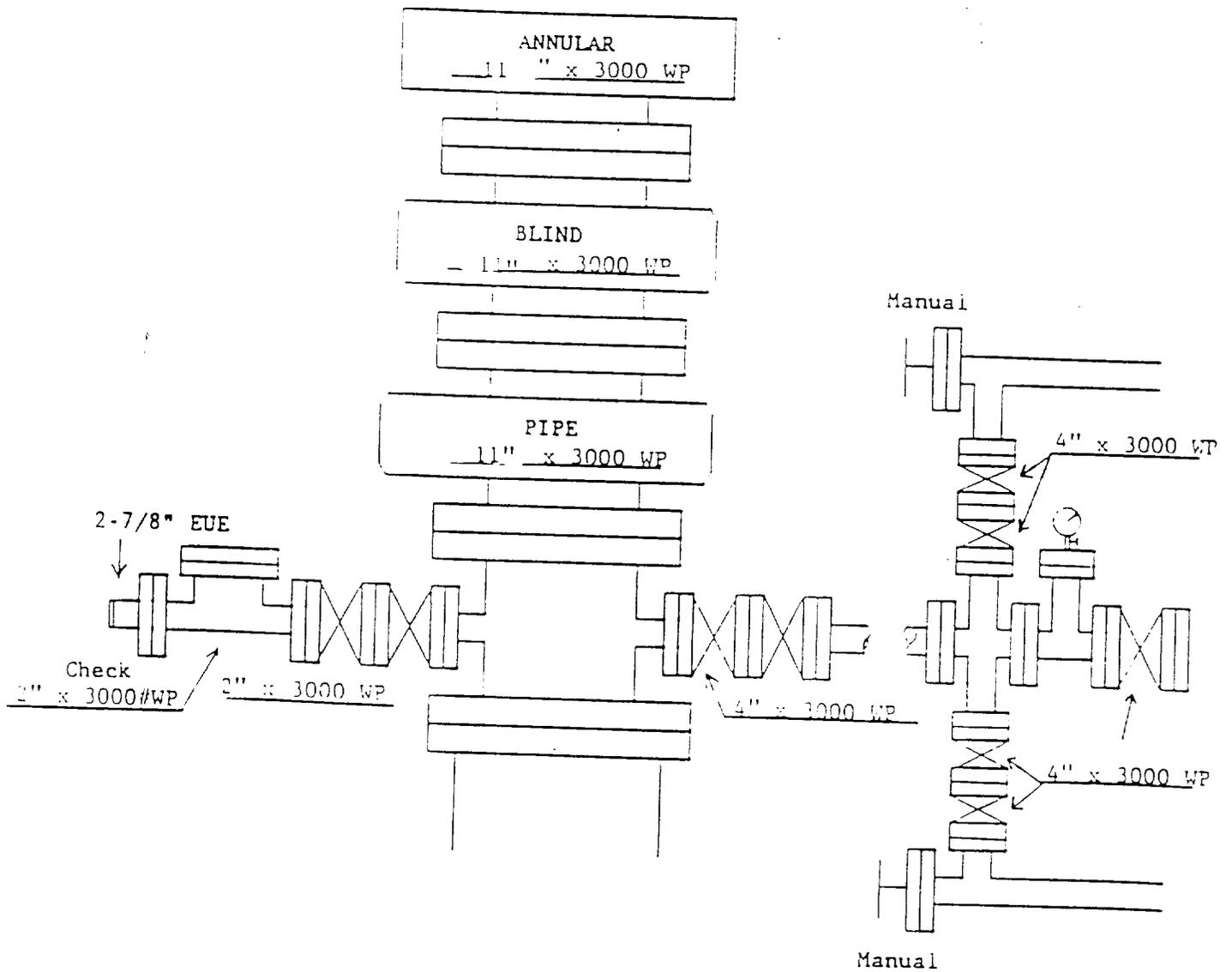
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OCE HOBBS
OFFICE

ENRON OIL & GAS COMPANY

Tresnor-Mitchell 30 Federal #2

ATTACHMENT



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