

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

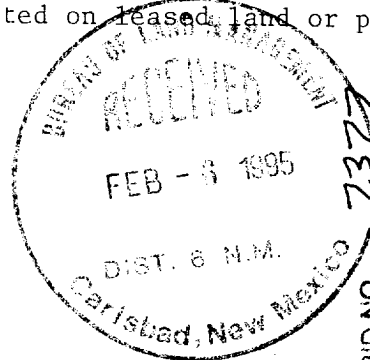
APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. FARM OR LEASE NAME, WELL NO. #3 Tresnor-Mitchell 30 Fed	
2. NAME OF OPERATOR Enron Oil & Gas Company		9. API WELL NO.	
3. ADDRESS AND TELEPHONE NO. P. O. Box 2267, Midland, Texas 79702		10. FIELD AND POOL, OR WILDCAT Sand Dunes Bone Spring, So	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 330' FNL & 2240' FWL At proposed prod. zone Same		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 30, T23S, R32E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 35 miles NW from Jal		12. COUNTY OR PARISH Lea	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 330 (Also to nearest drlg. unit line, if any) 330		13. STATE NM	
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. 1981 to #2		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3625' GR		22. APPROX. DATE WORK WILL START* March 1995	
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 est TOC @ 3500'

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

NM 14157
Sec 30, T23S, R32E
Bone Spring Formation
Federal Bond # MT0748 with
endorsement to New Mexico.



OPER OGRID NO. 7377
PROPERTY NO. 15772
POOL CODE 53805
EFFECT DATE 3/20/95
API NO. 30-025-32801

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 2/2/95
(This space for Federal or State office use) APPROVAL SUBJECT IN

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 enforce the same against third parties.

CONDITIONS OF APPROVAL, IF ANY:

GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

APPROVED BY Timothy P. O'Brien TITLE Acting AREA MANAGER DATE 3-13-95

*See Instructions On Reverse Side

RECEIVED

MAR 17 195

U S DEPT OF JUSTICE
OFFICE

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 30-025-32891	² Pool Code 53805	³ Pool Name Sand Dunes Bone Spring, South
⁴ Property Code 15772	⁵ Property Name TRESNOR MITCHELL "30" FEDERAL	⁶ Well Number 3
⁷ OGRD No. 7377	⁸ Operator Name ENRON OIL AND GAS COMPANY	⁹ Elevation 3625

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	23-S	32-E		330	NORTH	2240	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

¹⁶ 2240' 330'				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 1/23/95 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. 01-10-95 Date of Survey EARL FOOTE Signature and Seal of Professional Surveyor: 8278 Certificate Number 8278

DRILLING PROGRAM

Enron Oil & Gas Company
Tresnor-Mitchell 30 Federal No. 3
330' FNL & 2240' 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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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'	13-5/8	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# J-55 LT&C

Cementing Program:

11-3/4" 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.

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 11-3/4" 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.

ENRON OIL & GAS COMPANY
Tresnor-Mitchell 30 Federal #3

ATTACHMENT

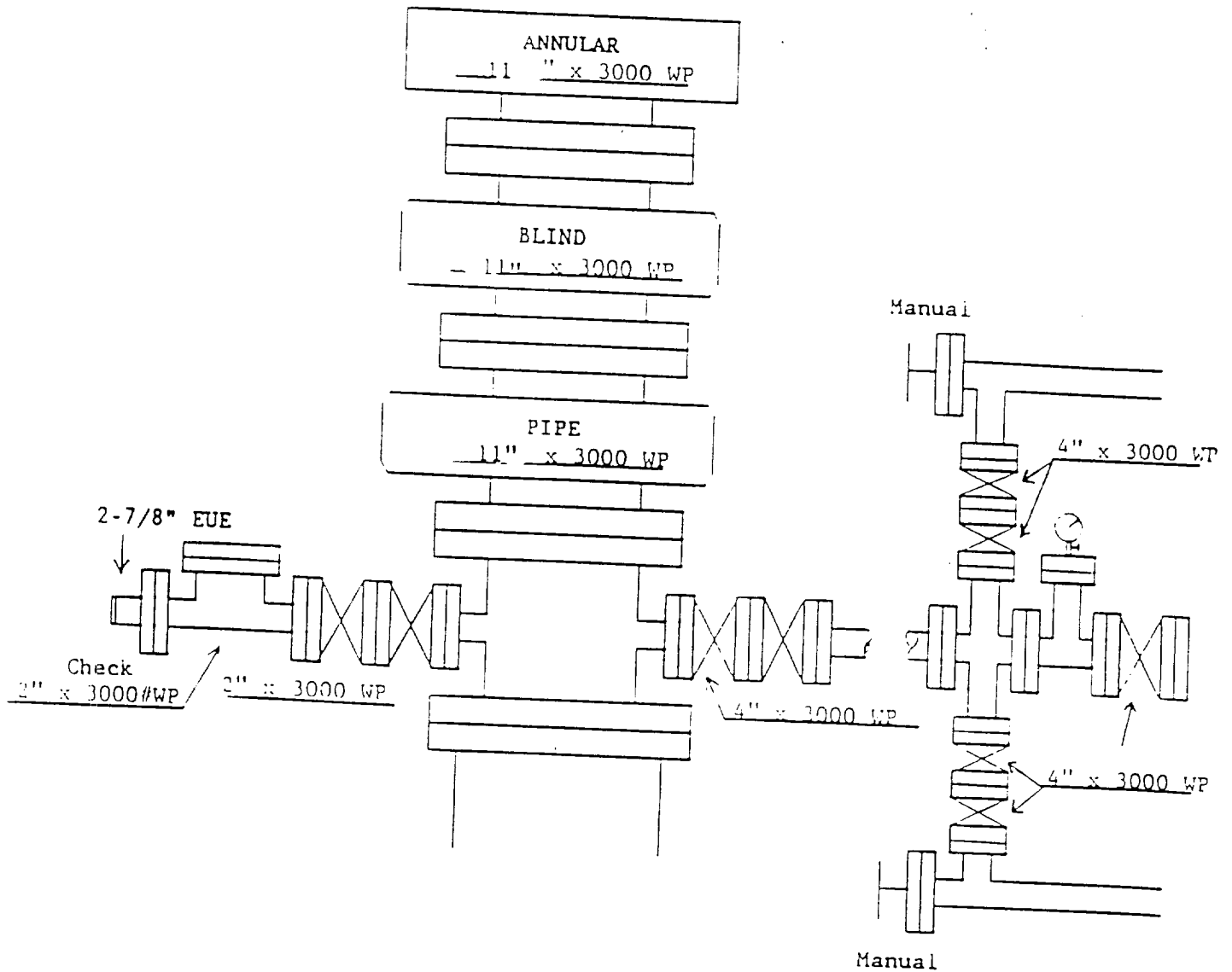


EXHIBIT #1

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MAY 17 1955

FIELD HOUSE
OFFICE

Enron Oil & Gas Company
Tresnor-Mitchell 30 Federal No. 3
330' FNL & 2240' FWL
Sec. 30, T23S, R32E
Lea County, New Mexico

6. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with a combination of brine, cut brine, and fresh water. The applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity (sec)</u>	<u>Waterloss (cc)</u>
0-600'	Fresh water (spud)	8.5	40-45	N.C.
600'-4600'	Brine water	10.0	30	N.C.
4600-TD	Cut Brine	8.8-9.2	28	N.C.

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) A mud logging unit complete with H2S detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 4000' to TD.

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APR 17 1995

U.S. HOUSE OF
REPRESENTATIVES
OFFICE

Enron Oil & Gas Company
Tresnor-Mitchell 30 Federal No. 3
330' FNL & 2240' FWL
Sec. 30, T23S, R32E
Lea County, New Mexico

8. Logging, Testing and Coring Program:

(A) The electric logging program will consist of GR-Dual Laterolog-MSFL and GR-Compensated Density-Neutron from TD to intermediate casing with a GR-Compensated Neutron ran from intermediate casing to surface.

(B) Possible side wall cores based on shows.

9. Abnormal Conditions, Pressures, Temperatures & Potential Hazards:

No abnormal pressures or temperatures are anticipated. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

Anticipated Starting Date and Duration of Operations:

Road and location work will not begin until approval has been received from the BLM. Anticipated spud date is unknown at the present time. Once drilling has commenced, the drilling operation should be finished in approximately 45 days. If the well is productive, an additional 30 to 45 days will be required for completion and testing before a decision is made to install permanent facilities.