

Form 3160-3
(July 1992)

NM OIL & GAS COMMISSION
DRAWER DD
ARTESIA, NM 88210
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

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

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

330' FNL & 1650' FWL

At proposed prod. zone

330' FNL & 1650' FWL

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

35 miles SE of Carlsbad

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 330
(Also to nearest drlg. unit line, if any) 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. 660' to #10

19. PROPOSED DEPTH

9900

20. ROTARY OR CABLE TOOLS

Rotary

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

3550' GR

Carlsbad Controlled Water Basin

22. APPROX. DATE WORK WILL START*

11-25-94

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4	11-3/4 H-40 ST&C	42#	600	425 sx CIRCULATED
11	8-5/8 S-80 & K-55 ST&C	32#	4600	1350 sx CIRCULATED
7-7/8	5-1/2 N-80 LT&C	17#	9900	1400 sx Est TOC @ 3600'

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

NM 77064

Sec 6, T24S, R32E

Delaware/Bone Spring Form

Federal Bond # MT 0748 with endorsement to New Mexico

Subject to
General Requirements and
Special Stipulations

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

11/1/94

(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

/s/ Scott Powers

TITLE

Acting
AREA MANAGER

DATE

11/28/94

*See Instructions On Reverse Side

and willfully to make to any department or agency of the

Certificate Number 8278

DRILLING PROGRAM

Enron Oil & Gas Company
Mesa Verde 6 Federal No. 14
330' FNL & 1650' FWL
Sec. 6, T24S, R32E
Lea County, New Mexico

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Important Geologic Markers:

Rustler	930'
Delaware	4600'
Bell Canyon	4580'
Cherry Canyon	5650'
Bone Spring (Stray Sand)	8500'
1st Bone Spring Sand	9900'

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

Delaware	4600'	Water & Oil
Bone Spring	8500'	Water & Oil

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 600' and circulating cement back to surface, and 8-5/8" casing will be set at 4600' with cement circulating back to surface.

Enron Oil & Gas Company
Mesa Verde 6 Federal No. 14
330' FNL & 1650' FWL
Sec. 6, T24S, 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>
14-3/4	0- 600'	11-3/4	42# H-40 A ST&C
11	0- 4600'	8-5/8	32# S-80 & K-55 ST&C
7-7/8	0- 9900'	5-1/2	17# N-80 LT&C

Cementing Program:

11-3/4" Surface casing: Cement to surface with 425 sx of Class C + 2% CaCl₂ + 1/4#/sx flocele.

8-5/8" Intermediate: Cement to surface with 1150 sx of Premium Plus lite + 15#/sx salt + 1/4#/sx Flocele and 200 sx Cl C + 2% CaCl₂

5-1/2" Prod casing: Cement with 1400 sx 50/50 Cl H/Poz + 0.8% Halad 9 + 1/4#/sx Flocele. This cement slurry is designed to bring TOC to 3600'.

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

Mesa Verde 6 Federal #14

ATTACHMENT

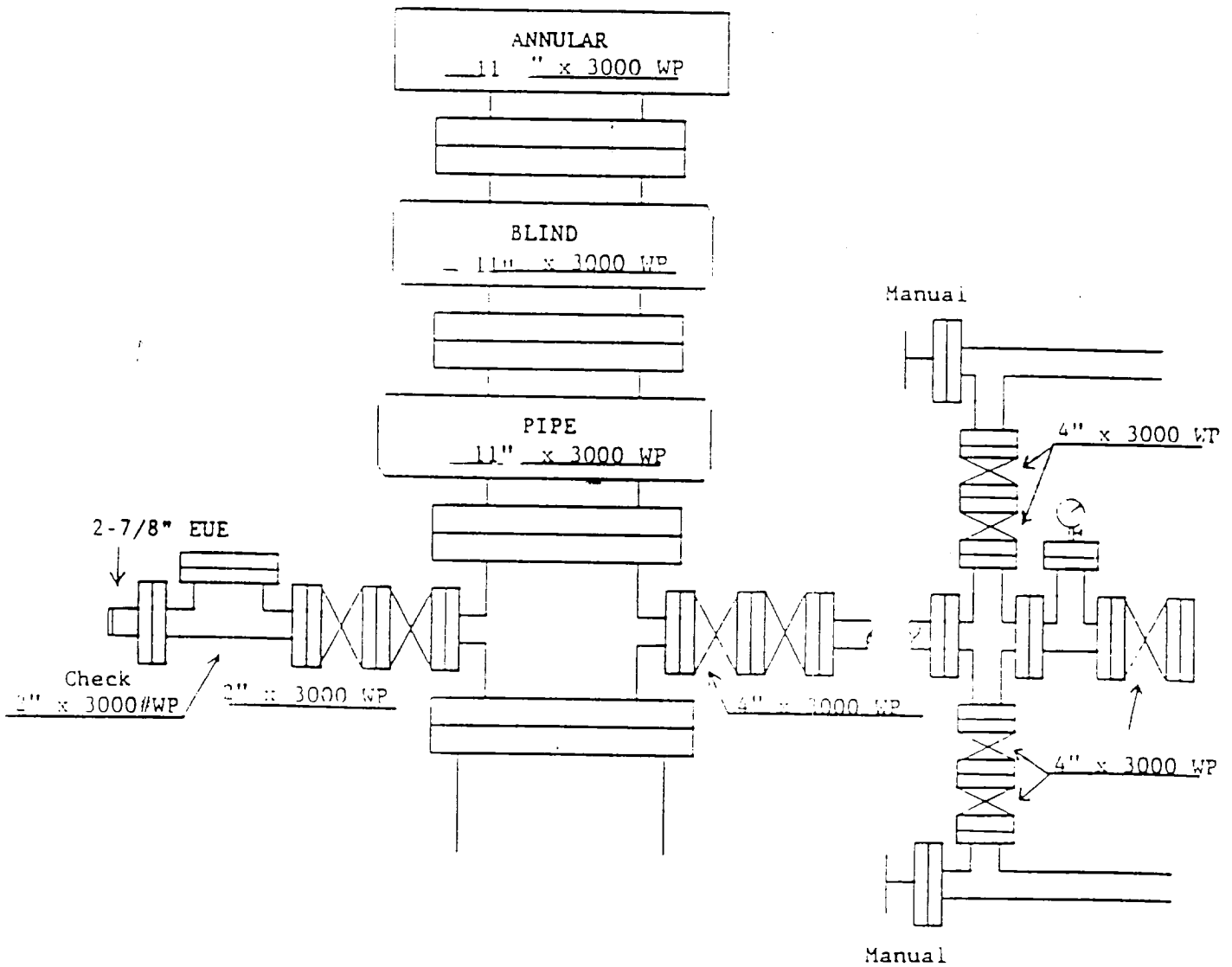


EXHIBIT #1

70-426
11

RECEIVED

DEC 01 1994
CDD HOLDING
OFFICE