

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN

LOCATE

FORM APPROVED

(Other than Sections 22  
reverseside)

OCD NO. 1694-0135

Expires February 23, 1995

FEB 1999

RECEIVED  
OCD - ARTESIA

5. IF INDIAN LOTTERY OR TRIBE NAME

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

12. TYPE OF WORK

DRILL ☒DEEPEN ☐

13. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

5. FARM OR LEASE NAME WELL NO.

Avalanche "4" Fed. Com #1

9. WELL NO.

30-015-30580

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 4, T16S, R29E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

2. NAME OF OPERATOR

Enron Oil &amp; Gas Company 7377 Dewey Smeitzer 684-3601

3. ADDRESS AND TELEPHONE NO.

P. O. Box 2267, Midland, TX 79702 (915) 694-8228

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 760 FSL &amp; 1700 FEL

Diamond Block, Morrow, East

At proposed prod. zone

same

Unit 0 96876

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

10 miles South from Loco Hills

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

760

16. NO. OF ACRES IN LEASE

160

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

N/A

19. PROPOSED DEPTH

12000

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160320

20. ROTARY OR CABLE TOOLS

Rotary

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

3699

22. APPROX. DATE WORK WILL START\*

August 25, 1998

## 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 H40 AST&C                 | 42#             | 400           | 350 Prem +             |
| 11           | 8 5/8 J55 LT&C                   | 32#             | 1900          | 750 Prem 50/50 Poz     |
| 7 7/8        | 5 1/2" J55 BUTT/STC/<br>N80 LT&C | 17#             | 10500         | 950 Prem + & 50/50 Poz |

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

Federal Bond # is MT 0748 with endorsement to New Mexico

Post ID-1  
2-19-99  
API & LCC

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

TITLE Agent

DATE 8/20/98

(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:

Acting

APPROVED BY [s] Gary A. Stephens

TITLE

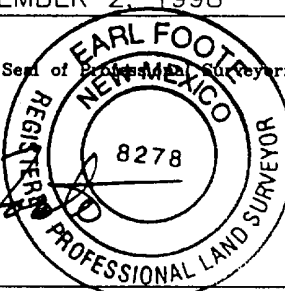
Assistant Field Office Manager,  
Lands and Minerals

DATE

FEB 08 1999

\*See Instructions On Reverse Side

This is the department or agency of the

|    |  |  |  |  |  |
|----|--|--|--|--|--|
| 16 |  |  |  |  | <div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div>Signature<br/><i>Mike Francis</i></div> <div>Mike Francis</div> <div>Printed Name<br/>Agent</div> <div>Title<br/>1/21/99</div> <div>Date</div>  |
|    |  |  |  |  |  |
|    |  |  |  |  |  |
|    |  |  |  |  |  |
|    |  |  |  |  | <div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>DECEMBER 2, 1998</div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor:<br/><i>Earl Foot</i></div> <div></div> <div>Certificate Number 8278</div> |
|    |  |  |  |  |  |
|    |  |  |  |  |  |
|    |  |  |  |  |  |
|    |  |  |  |  | <div>LAT. = 32°56'45.9"</div> <div>LONG. = 104°04'34.4"</div> <div>Y = 707994.3</div> <div>X = 578876.3</div> <div>1685'</div> <div>990'</div>   |
|    |  |  |  |  |  |
|    |  |  |  |  |  |
|    |  |  |  |  |  |

ENRON OIL & GAS COMPANY  
AVALANCHE "4" FED COM. 1

EXHIBIT 1

