³⁰⁻²²⁵⁻32202 Form 3160-3 SUBMIT IN TRIPLACTE (November 1983) OIL CONS. COMMISED STATES
P.O. BOX 1987 ARTMENT OF THE INTERIOR Budget Bureau No. 1004-0136 (Other instructions on reverse side) Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO. HOBBS, NEW MEXTED OF 8248 MANAGEMENT NM 77064 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 6. IF INDIAN, ALLOTTES OF TRIBE NAME Is. TYPE OF WORK DRILL [DEEPEN T 7. UNIT AGREEMENT NAME PLUG BACK b. TYPE OF WELL WELL X WELL _ MULTIPLE ZONE SINGLE Z 8. FARM OR LEASE NAME 2. NAME OF OPERATOR Mesa Verde "6" Federal Enron Oil & Gas Company 9. WELL NO. 3. ADDRESS OF OPERATOR P. O. Box 2267, Midland, Texas 79702 10. FIELD AND POOL OF WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) Wildcat Lower Brushy Canyon Delaware 11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA 1980' FSL & 1980' FEL 1980' FSL & 1980' FEL Sec 6, T24S, R32E 14. DISTANCE IN MILES AND DIRECTION FROM NEAR OR POST OFFICE 12. COUNTY OR PARISM | 13. STATE 33 miles west of Jal, NM 15. DISTANCE FROM PROPUSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to degreest drig, unit line, if any) Lea 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 660' 640 40 18. DISTANCE FROM PROPOSED LOCATIONS 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. 8550' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START" 3559.3' GR Before 9/1/93 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE BIZE OF CABING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14-3/4" 11-3/4" 42# H-40 A ST&C 600' CIRCULATED 275 sx 11" 8-5/8" 32# J-55 LT&C 4150 725 sx <u>CIRCULATE</u>D 7-5/8 8550 350 sx est TOC at 3500 FEDERAL LEASE EXPIRES ON 9/01/93 Acreage is dedicated. (); = : IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone 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. Regulatory Analyst 7/21/93 TITLE Gildon This space for Federal or State office use) PERMIT NO. APPROVAL DATE _ AUG 2 0 1993 APPROVED BY (ORIG. SGD.) RICHARD L. MANUSTILE AREA MANAGER

*See Instructions On Reverse Side

APPROVAL SUBJECT TO

SPECIAL STIPULATIONS

GENERAL REQUIREMENTS AND

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

All Distances must be from the outer boundaries of the section

Township Section of Well 24 SOUTH Sange 32 EAST NAMM LEA 1980 Feet from the SOUTH Line and 1980 Feet from the SOUTH Line and 1980 Feet from the EAST Line Frontain Formation of Well 1980 Feet from the EAST Line Producing Formation 1980 Feet from the EAST Line Producing Feet from the EAST Line Producing Formation 1980 Feet from the	Operator	ENRON OIL AND) GAS CO	Lease	MESA VERDE	6 FEDERAL	· · · · · · · · · · · · · · · · · · ·	Well No.		
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3559.3 Lower Brishy Canyon-Plawire Wildcat 40 Acres 1. Outline the except deficated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is deflicted to the well, but 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, force-pooling, etc.? Yes						feet from	the LAS	71110		
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DRILLING PROGRAM

Enron Oil & Gas Company
Mesa Verde 6 Federal No. 2
1980' FSL & 1980' FEL
Sec. 6, T24S, R32E
Lea County, New Mexico

1. Geologic Name of Surface Formation:

Permian

2. Estmated Tops of Inportant Geologic Markers:

Rustler	930'
Delaware	4530'
Bell Canyon	4580'
Cherry Canyon	5650'
Bone Spring	8400'

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

Delaware 4580' 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 4150' with cement circulating back to surface.

Enron Oil & Gas Company
Mesa Verde 6 Federal No. 2
1980' FSL & 1980' FEL
Sec. 6, T24S, R32E
Lea County, New Mexico

4. <u>Casing Program:</u>

<u> Hole Size</u>	<u>Interval</u>	<u>OD csq</u>	Weight Grade Jt. Cond. Type
14-3/4	0- 600'	11-3/4	42# H-40 A ST&C
11	0- 4150'	8-5/8	32# J-55 LT&C
7-5/8	0- 8550'	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" Prod casing: 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 2valve (inside BOP) and choke lines and choke manifold with 3000 psi WP rating.

ENRON OIL & GAS COMPANY

EXHIBIT 1

ATTACHMENT

