Form 3160-3 (July 1992)

la. TYPE OF WORK

DRILL 🖾

# NM OIL )NS. COMMISSION DRAWER OD ARTESIA, NM 188210. TES

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

DEEPEN

SUBMIT IN TRIPLICATE\*
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 77064 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

DEPARTMENT OF THE INTERIOR

b. TYPE OF WELL			SINGLE X	MULTIPLE	E	8. FARM OR LEASE NAM	E, WELL NO.	
OIL GA	CLL OTHER			ZONE		Mesa Verde	<u>6 Federal #1</u> 4	
2. NAME OF OPERATOR				40:9A	-	9. API WELL NO.		
Enron Oil& Gas	Company		- MU	<del>(, i, ) </del>				
3. ADDRESS AND TELEPHONE NO.						10. FIELD AND POO	L, OR WILDCAT	
P. O. Box 2267, Midland, Texas 79702  4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface						11. SEC., T., R., M.,	or BLE. Spring	
330' FNL & 165	O' FWL					AND BURVEY O	R AREA	
At proposed prod. zon	2				5	Sec 6, T24S	, R32E	
330' FNL & 165	O' FWL	AREST TOWN OR POS	ST OFFICE*			12. COUNTY OR PAI	RISH 13. STATE	
		and a			į	Lea	NM	
35 miles S	E of Carlsbad		16. NO. OF ACRES	IN LEASE		F ACRES ASSIGNED IIS WELL	<del></del>	
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	INE, FT unit line, if any	330	640 40					
18. DISTANCE FROM PROF TO NEAREST WELL, D OR APPLIED FOR, ON TH	OSED LOCATION* RILLING, COMPLETED.	to #10	19. PROPOSED DECT.			Rotary   22. APPROX. DATE WORK WILL START*		
21. ELEVATIONS (Show wh			irlabad Control	led Water &	en in	11-25		
3550' GR						11-23	<u></u>	
23.		PROPOSED CAS	ING AND CEMENT	ING PROGRAM	1			
	GRADE, SIZE OF CASING	WEIGHT PER	FOOT SETTI	NG DEPTH		QUANTITY OF C		
SIZE OF HOLE	11-3/4 H-40_S	ST&C 42/	60	0	425	sx CIRCULAT	ED	
14-3/4	8-5/8 S-80 8		32# 460	0	1350	sx CIRCULAT	ED	
<u>11</u> 7-7/8	$\frac{8-378}{5-1/2}$ N+80 1		1/00 or Fot TOC				c @ 3600'	
7 770			1		'			
		1.						
			,		م1مئيد،	tions and		
The undersigne	ed accepts all	applicable	terms, cond	itions,	scipuia 1. em no	rtions, and	) 7	
restrictions	concerning ope	rations cond	ducted on le	<b>GERTAGE</b>	iaid no:	10113 / 3/	<del>'                                    </del>	
thereof as sh	own below:			PROPERT		1321	·	
NV 77064				POOL COL	DE 7	162292	-	
NM 77064 Sec 6. T	24S, R32E		EFF DATE 12-2-94					
Delaware/Bone Spring Form								
		:-b onder	coment to Ne	APINO w Mexico	21	15- 241		
Federal	Bond # MT 0748	With endor	Sement to M	an a	ect to		113	
				กร.อเพ็จสุนไ		end	• 1 • 1	
			<b>?</b> ∞.	an'al Scientific	-tions		· /	
IN ABOVE SPACE DESCRI	DE PROGRAM:	If proposal is to deepe	n, give data on protiti	ached e zone	and proposed	d new productive zone	<ul> <li>If proposal is to drill or C₂□</li> </ul>	
IN ABOVE SPACE DESCRIP deepen directionally, give per	inent dam on subsurface loca	itions and measured and	true vertical depths. G	ive blowout preve	- Program	11 2017	1	
24.	no						1/1/94	
SIGNET BUELL	i deldos	Of tw Gildon	Regulate			DATE		
Storen	State office used	erry Gildon						
(This space for Fed	eral or State office use)							
PERMIT NO.			APPROVAL	DATE		and entitle the applica	nt to conduct operations thereon.	
Application approval does	not warrant or certify that the	applicant holds legal or	equitable title to those r	ights in the subject ■	lease which w	vocate critique aux apprior	nt to conduct operations thereon.	
CONDITIONS OF APPROV	AL, IF ANY:		ater	g			,	
A DE BRENIA SERVICE CONTROL OF THE SERVICE C								
	10/1		ADKA	MANAGE	LN.	/.	20/04/	
/~	1 West	Towers	AREA	MANAG		DATE _// &	18/94	
APPROVED BY 5	West !	Towers no	ructions On Rev	erse Side		DATE	78/94	

District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Azteo, NM 87410 District IV PO Box 2086, 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

		W.	ELL LO	CATIO	AND ACE	REAGE DEDIC	CATION PLA	T/		
WELL LOCATION AND ACREAGE DEDICATION PLAT  Pool Code  Pool Name										
30 02		743	06	036 96	229 Mes	a Verde D <del>ela</del>	ware/Bone S	pring		
Property				030 /1	5 Property				<sup>8</sup> ₩ e	ell Number
•	Code			М	ESA VERDE "	6" FEDERAL				14
13210	No				<sup>5</sup> Operator				<sup>9</sup> Elevation	
7377	10.			FNF	ON OIL AND	GAS COMPANY		3550		
					Surface I					
				Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	st line	County
UL or lot no.	Section	Township	Range	for im	330	NORTH	1650	WE:	ST	LEA
3	6	24-S	32-€				core Surfac	е		
			Bottom		<del></del>	Different Fi	Feet from the	East/We	st line	County
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South inte	root nom and	, I		
	<i>f</i>				1	l		<u> </u>		
<sup>2</sup> Dedicated Acr	es 13 Joint	or Infill 146	Consolidatio	n Code	Order No.					
40							www.ppp.gmg	TIANE D	ביבא ככ	NSOLIDATED
NO ALLOW	ABLE W	ILL BE A	SSIGNEI	TO TH	IIS COMPLETI	ON UNTIL ALL	D BA THE D. INTERESIS	HAVE D	EEN CC	Моощомиро
		OR A	NON-ST	ANDARD	UNIT HAS E	BEEN APPROVE	D DI THE S.			
16		330.								IFICATION
	650'	<u></u>					I hereby cert	ify that the i	nformation o	contained herein is knowledge and belief.
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							Date	0-24		
								<del></del>		
										TIFICATION
							I hareby cer	ury that the	well location top of actua	shown on this plat surveys made by me
							or under my	supervision,	and that th	e same is true and
							correct to b	est of my bei	lef.	
								10-	-3-94	FOOR
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#### 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. Estmated Tops of Important Geologic Markers:

Rustler	930'
Delaware	4600'
Bell Canyon	4580'
Cherry Canyon	5650'
Bone Spring (Stray Sand)	8500'
	9900'
1st Bone Spring Sand	2200

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

Delaware	1000	Water		
Bone Spring	8500'	Water	òα	Oll

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

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Sec. 6, T24S, R32E
Lea County, New Mexico

#### 4. Casing Program:

Hole Size	<u>Interval</u>	<u>OD csq</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

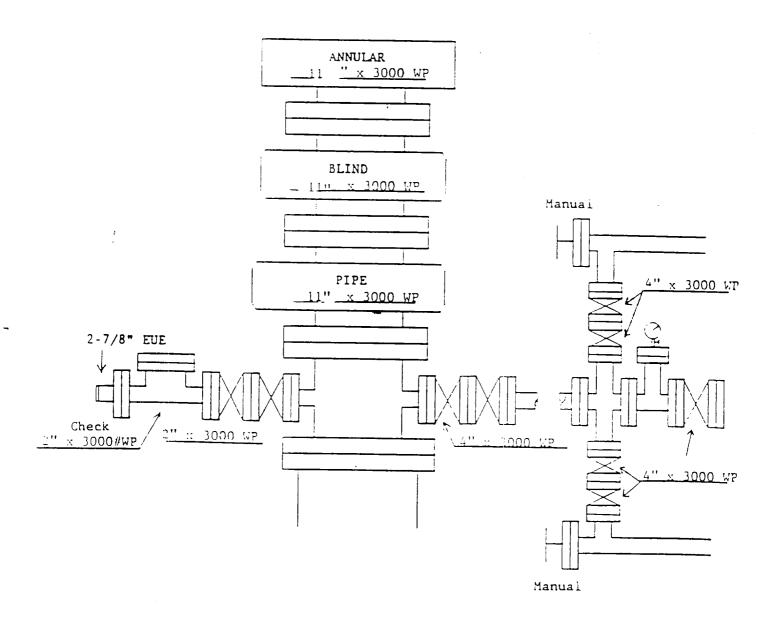


EXHIBIT #1

## RECEIVED

DEC 9 1 1994 OUD HOLDS OFFICE

