² Form 3160-3 (July 1992)

FOR THE STATE OF SUBMIT IN TRANSCATE.

(Other instructions on reverse side)

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

UNITED STATES DEPARTMENT OF THE INTERIOR

						i .		
BUREAU OF LAND MANAGEMENT .				NM 18640-A				
ΔΡΡΙΙ	CATION FOR PE	ERMIT TO	DRILL	OR DEEPEN		6. IF INDIAN, ALLOTTER OR TRIBE NAME		
a. TYPE OF WORK					7. UNIT AGREEMENT NAME			
	LL K	DEEPEN						
b. TYPE OF WELL OIL V GAS STATE ZONE ZONE					8. FARM OR LEASE NAME WELL NO.			
WELL X W	ELL OTHER		20			Half 8 Federal #1		
Enron Oil &	Gas Company					9. AM WELL NO.		
ADDRESS AND TELEPHONE NO.						10. FIELD AND POOL, OR WILDCAT		
P. O. Box 2267, Midland, Texas 79702 4. LOCATION OF WILL (Report location clearly and in accordance with any State requirements.*)					Red Hills (Bone Spring)			
. LOCATION OF WILL (R) At surface	eport location clearly and	In accordance w	71CL 827 50	are requirements.		11. SEC., T., B., M., OR BLK.		
660' FSL & 5 At proposed prod. zon	e					Sec 8, T25S, R34E		
660' FSL & 5	10 FWI.	REST TOWN OR PO	ST OFFICE	•		12. COUNTY OR PARISH 13. STATE		
						Lea NM		
28 miles wes	JSED*		16. No.	OF ACRES IN LEAST		OF ACRES ASSIGNED THIS WELL		
PROPERTY OR LEASE L	INE, FT. 510	510		640		40 50		
(Also to nearest drig 18. DISTANCE FROM PROP	OSED LOCATION'		19. гкс	19. PROPOSED DEPTH 20. BO		TARY OF CABLE TOOLS		
OR APPLIED FOR, ON TH	is lease, ft. None		12,	600	_	Rotary 22. APPROX. DATE WORK WILL START		
21. ELEVATIONS (Show wh-	ether DF, RT, GR, etc.)					April 28, 1995		
3343' GR						April 20, 1993		
3.		PROPOSED CA	SING AND	CEMENTING PROGRA	A.M			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER	FOOT	SETTING DEPTH	_	QUANTITY OF CEMENT		
14-3/4	H-40 A ST&C 11			650	_ _250_	sx <u>Circulated</u>		
1 1								
11	J-55 ST&C 8-5/	8" 32	2#	5200	_ 1100_	sx <u>Circulated</u>		
7-7/8	P-110 & S-95 LT&C 5-1/	2 17	7#	12600	1200	sx. TOC est at 4500'		
7-7/8 The Undersignestrictions as shown below NM 1864 Sec 8, Bone Sp Federal Bone endorsements.	P-110 & S-95 LT&C 5-1/ gned accepts all sconcerning operation. 0-A T25S, R34E ring Formation d # is MT 0748 sent to New Mexical Solutions.	2 17 1 applicaperations c	le ter	12600 ms, conditions ed on leased l	1200 s, stip and or	ulations, and portions thereof 73-OPER. OGRID NO. 17152 PROPERTY NO. 17152 POOL CODE 51020 EFF. DATE 62/95 API NO. 30-025-32		
The Undersignestrictions as shown be. NM 1864 Sec 8, Bone Sp Federal Bone endorsements. Attached IN ABOVE SPACE DESCRIEGE PROPERTY.	P-110 & S-95 LT&C 5-1/ gned accepts all sconcerning operation. 0-A T25S, R34E ring Formation d # is MT 0748 sent to New Mexical Society and Septimental Septiment	2 17 1 applicaperations c with co (proposal is to deepons and measured ar	le ter onduct	12600 ms, conditions ed on leased l	1200 s, stip and or	ulations, and portions thereof 73-OPER. OGRID NO. 17152 PROPERTY NO. 17152 POOL CODE 51020 EFF. DATE 62/95 API NO. 30-025-32		
The Undersignestrictions as shown be. NM 1864 Sec 8, Bone Sp Federal Bone endorsements. Attached IN ABOVE SPACE DESCRIEGE PROPERTY.	P-110 & S-95 LT&C 5-1/ gned accepts all seconcerning operations: 0-A T25S, R34E ring Formation d # is MT 0748 sent to New Mexical Seconcerning DEPARTMENT OF THE PROPOSED PROGRAM: Interest data on subsurface locations Constitutions Co	2 17 1 applicaperations c with co (proposal is to deepons and measured ar	le ter onduct	ns, conditions ed on leased 1	1200 s, stipped and or	ulations, and portions thereof 73-OPER. OGRID NO. 17152 PROPERTY NO. 17152 POOL SODE 5122D EFF. DATE 62/95 API NO. 30-025-32		

BECEIVED

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 L	OCATIO	N AND A	CREAGE DEDI	CATION PL	AT	
	API Number Pool Code					Pool Na	me		
Property		*Property Name				• 1	Tell Number		
			HALF "8" FEDERAL 1				1		
OGRID 7				5,10		or Name		•	Elevation
7377						& GAS COMPANY			3343'
				1	°Surface	Location			
L or lot no.	Section	Township	Range	Lot Idn	Feet from the		Feet from the	East/West line	County
M	8	25-S	34-E		660	SOUTH	510	WEST	LEA
		11	Bottom	Hole	Location I	f Different Fr	com Surfac	—	
L or lot no.	Section	Township	Range	Lot ldn	Feet from the		Feet from the	East/West line	County
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DRILLING PROGRAM

Enron Oil & Gas Company
Half 8 Federal, Well No. 1
660' FSL & 510' FWL
Sec. 8, T25S, R34E
Lea County, New Mexico

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Inportant Geologic Markers:

Rustler	
Delaware Mt. Group	850'
Bone Spring Lime	5175'
	9275 '
3rd Bone Spring Sand	12275'
	12600'

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

Upper Permian Sands	100'	Fresh Water
3rd Bone Spring Sand	12400'	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 650' and circulating cement back to surface, and 8-5/8" casing will be set at 5200' with cement circulated back to surface.

Enron Oil & Gas Company Half 8 Federal, Well No. 1 660' FSL & 510' FWL Sec. 8, T25S, R34E Lea County, New Mexico

Casing Program:

<u>Hole Size</u>	<u>Interval</u>	OD csq	Weight Grade Jt. Cond. Type
14-3/4	0- 650'	11-3/4	42# H-40 A ST&C
11	0- 5200'	8-5/8	32# J-55 ST&C
7-7/8	0-12600'	5-1/2	17# P-110 & S-95 LT&C

Cementing Program:

11-3/4" Surface casing: Cement to surface with 250 sx of Class C

+ 2% CaCl2 + 1/4#/sx flocele.

8-5/8" Intermediate: Cement to surface with 800 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 1200 sx 50/50 Cl H/Poz + 2% gel + .4%

CF-14, .1% Diacel LWL. This cement slurry is

designed to bring TOC to 7500'.

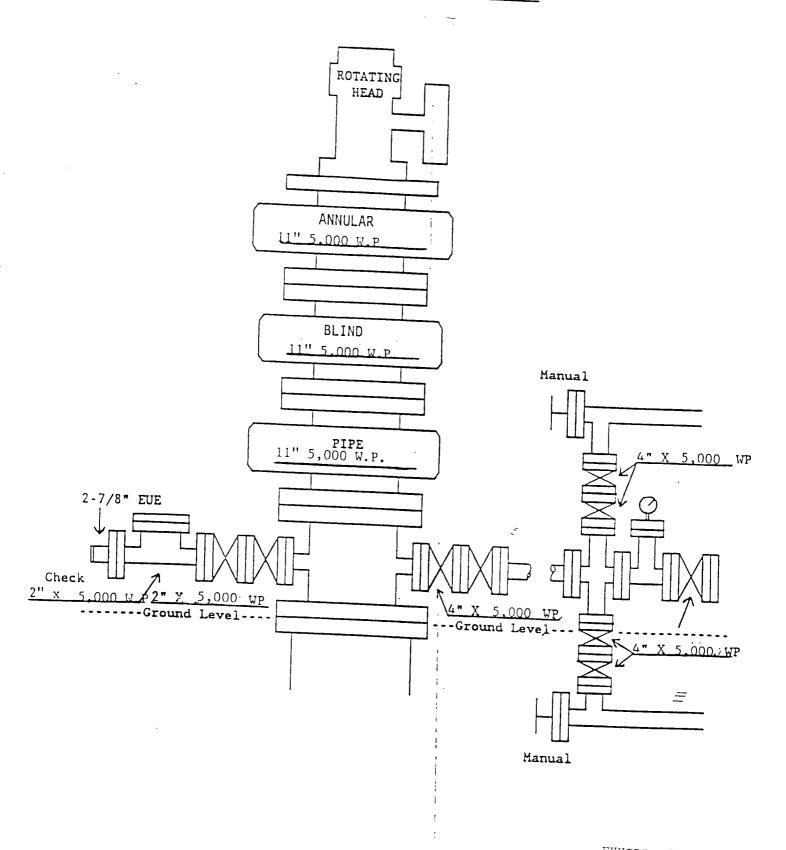
Minimum Specifications for Pressure Control: 5.

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000 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 600 psi before drilling out of surface casing. Before drilling out of intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000 psi and the annular to 70% of rated working pressure (3500 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. accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 5000 psi WP

ENRON OIL & GAS COMPANY

Half 8 Federal #1



Enron Oil & Gas Company
Half 8 Federal, Well No. 1
660' FSL & 510' FWL
Sec. 8, T25S, R34E
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 polymer/KCl mud system. The applicable depths and properties of this system are as follows:

Depth Type 0-650' Fresh water (spud) 650'-5200' Brine water 5200'-TD Cut Brine & Polymer/KCL	Weight (ppg) 8.5 10.0 8.8-9.2	Viscosity (sec) 40-45 30 28	Waterloss (cc) N.C. N.C. N.C.
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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 4500' to TD.