

C148

Form 3160-3  
(July 1992)SUBMIT IN TRIPPLICATE\*  
(Other instructions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT 3-24-92 RM

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.	NM-96222
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME, WELL NO.	ORE IDA "14" FEDERAL #11
9. API WELL NO.	30-015-29668
10. FIELD AND POOL, OR WILDCAT	96473
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	EAST PIERCE CROSSING B.S. SEC. 14 T24S-R29E
12. COUNTY OR PARISH	Eddy Co.
13. STATE	New Mexico

1a. TYPE OF WORK	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>
b. TYPE OF WELL	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. NAME OF OPERATOR	PENWELL ENERGY INC. 147380 (BILL PIERCE) Phone 915-683-2534
3. ADDRESS AND TELEPHONE NO.	1100 ARCO BUILDING 600 N MERINFELD MIDLAND, TEXAS 79701
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)	At surface 660' FNL & 990' FEL SEC. 14 T24S-R29E EDDY CO. NEW MEXICO At proposed prod. zone SAME
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*	Approximately 7 miles East of Malaga New Mexico
16. NO. OF ACRES IN LEASE	640
17. NO. OF ACRES ASSIGNED TO THIS WELL	40
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)	660'
19. PROPOSED DEPTH	8350'
20. ROTARY OR CABLE TOOLS	ROTARY
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	2973' GR.
22. APPROX. DATE WORK WILL START*	As soon as approved

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor Pipe	.25" Thick	40'	Cement to surface/Redi-mix
17 1/2"	H-40 13 3/8"	48	350'	250 Sx. circulate to surface
12 1/4"	J-55 8 5/8"	32	3100'	300 Sx. circulate to surface
7 7/8"	N-80 J-55 5 1/2"	17	8350'	Estimated top cement 5500'

1. Drill 25" hole to 40'. Cement 20" conductor pipe at 40' cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 350'. Run and set 350' of 13 3/8" 48# H-40 casing. Cement with 150 Sx. Class "C" + 1/4# flocele/Sx + 5# gilsonite/Sx + 2% CaCl, tail in with 100 Sx Class "C" + 3% CaCl Circulate cement to surface.
3. Drill 12 1/4" hole to 3100'. Run and set 3100' of 8 5/8" 32# J-55 8-R ST&C casing. Cement with 300 Sx Class "C" light + 1/4# flocele/Sx, + 5# gilsonite/Sx + 8% salt, tail in with 200 Sx. Class "C" + 2% CaCl, circulate cement to surface.
4. Drill 7 7/8" hole to 8350'. Run and set 8350' of 5 1/2" casing as follows: 2900' of N-80 17# LT&C, 4700' of J-55 17# LT&C, 750' of N-80 17# LT&C casing. Cement with 600 Sx. Class "H" + 8% salt + .6% Halad 322 + .6% Halad 344. Estimated top cement 5500'

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 Joe T. Garcia TITLE Agent DATE 03/21/97

(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 (ORIG. SGD.) TONY L. FERGUSON TITLE ADM, MINERALS DATE 6-10-97