

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 27634	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR PECOS RIVER OPERATING, INC. ✓		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 5949 SHERRY LANE, SUITE 755, DALLAS, TX 75225		8. FARM OR LEASE NAME, WELL NO. HANAGAN FEDERAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*) At surface 660' FSL, & 1980' FWL OF SEC. 14-7S-26E At proposed prod. zone SAME		9. AM WELL NO. 5	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 26 AIR MILES NORTHEAST OF ROSWELL, NM		10. FIELD AND POOL, OR WILDCAT PECOS SLOPE ABO	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA N SEC. 14-7S-26E	
16. NO. OF ACRES IN LEASE 1280		12. COUNTY OR PARISH Chaves	
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2035'		13. STATE NM	
18. PROPOSED DEPTH 4800'		14. NO. OF ACRES ASSIGNED TO THIS WELL 160	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* OCTOBER 15, 1993	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3771.9'			

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	K-55 8 5/8"	24.0#	900'	SUFFICIENT TO CIRCULATE
7 7/8"	K-55 4 1/2"	10.5#	4800'	300 SKS OR 500' ABOVE PAY

WELL WILL BE DRILLED TO A TOTAL DEPTH OF 4800' AND ALL POTENTIAL ZONES WILL BE EVALUATED. IF COMMERCIAL PRODUCTION IS INDICATED, WELL WILL BE SELECTIVELY PERFORATED AND STIMULATED.

ATTACHED ARE:

1. WELL LOCATION AND DEDICATION PLAT
2. SUPPLEMENTAL DRILLING DATA
3. SURFACE USE PLAN.
4. SURFACE AGREEMENT
5. MAPS



GAS IS DEDICATED TO COMANCHERO GRANT OR OTHERING  
APPROVAL OF THIS APPLICATION 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.  
PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION  
OF FEDERALLY OWNED LAND OR FEDERAL FOR CONSTRUCTION  
OF THE ACCESS ROAD OR THE WITHOUT PAYMENT  
IN ADVANCE.

24. SIGNED [Signature] TITLE AGENT DATE 9/27/93

(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 [Signature] TITLE Area Manager DATE 10-21-93  
\*See Instructions On Reverse Side