

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>30-005-20919</b> <b>NM-27075</b>																
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																
2. NAME OF OPERATOR <b>EL RAN, INC.</b>		7. UNIT AGREEMENT NAME																
3. ADDRESS OF OPERATOR <b>P. O. BOX 911, LUBBOCK, TEXAS 79408</b>		8. FARM OR LEASE NAME <b>ANTELOPE FEDERAL</b>																
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>1650 FWL &amp; 2310 FSL</b> At proposed prod. zone <b>SAME</b>		9. WELL NO. <b>1</b>																
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>21 Miles South of Elida</b>		10. FIELD AND POOL, OR WILDCAT <b>CHAVEROO (SA) (Undesignated)</b>																
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>330</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 10, T8S, R32E</b>																
16. NO. OF ACRES IN LEASE <b>40</b>		12. COUNTY OR PARISH <b>Chaves</b>																
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>		13. STATE <b>NM</b>																
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>1320</b>		19. PROPOSED DEPTH <b>4350'</b>																
20. ROTARY OR CABLE TOOLS <b>Rotary</b>		21. APPROX. DATE WORK WILL START* <b>October 15, 1983</b>																
22. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4449.3 GL</b>		23. PROPOSED CASING AND CEMENTING PROGRAM																
<table border="1"><thead><tr><th>SIZE OF HOLE</th><th>SIZE OF CASING</th><th>WEIGHT PER FOOT</th><th>SETTING DEPTH</th><th>QUANTITY OF CEMENT</th></tr></thead><tbody><tr><td>12 7/8</td><td>8 1/2</td><td>24#</td><td>1700</td><td>575 sks <b>CIRCULATE</b></td></tr><tr><td>7 1/2</td><td>4 1/2</td><td>10.5</td><td>4350</td><td>375 sks</td></tr></tbody></table>				SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	12 7/8	8 1/2	24#	1700	575 sks <b>CIRCULATE</b>	7 1/2	4 1/2	10.5	4350	375 sks
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JUD PROGRAM - 10# Mud 3500 Viscosity from 4050 to TD

BOP Program: See Exhibits C, D, &amp; E.



ON ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, 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 [Signature] TITLE Vice-President DATE September 27, 1983  
(This space for Federal or State office use)PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE 11/2/83  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED