

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK  DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-93
B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Southland Royalty Company			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 21 Desta Drive, Midland, Texas 79705			8. FARM OR LEASE NAME West Corbin Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FEL & 660' FNL, Sec. 18, T18S, R33E At proposed prod. zone FWL unit C			9. WELL NO. 17
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles Southeast of Maljamar, NM			10. FIELD AND POOL, OR WILDCAT W. Corbin (Delaware)
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'	16. NO. OF ACRES IN LEASE 640	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18, T18S, R33E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N.A.	19. PROPOSED DEPTH 5500'	20. ROTARY OR CABLE TOOLS Rotary	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3859' GR			13. STATE NM
22. APPROX. DATE WORK WILL START* 12/05/89			

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24	370'	200 sx, Circulate
7 7/8"	5 1/2"	15.5	5500'	900 sx, Circulate

Drill 12 1/4" hole to 377'. Set 8 5/8" casing @ 377'. CMT. w/ 200 sx., Circ.

Drill 7 7/8" hole to 5500'. Set 5 1/2" casing @ 5500'. CMT w/ 900 sx., Circ.

MUD PROGRAM: 0-370' fresh water gel & lime; 370' - 5500' salt water; MW 9.8-10.2;  
No abnormal pressures or temperatures anticipated at TD.

BOP PROGRAM: 11" - 3M BOP stack to be installed on 8 5/8" & left on for remainder  
of drilling. Stack to consist of annular BOP, blind ram BOP & one  
pipe ram BOP. Test BOP's after setting 8 5/8" csg with independent  
tester.

IN 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 Robert L. Bradshaw TITLE Sr. Staff Env./Reg. Spec. DATE 10/06/89

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Orig. Signed by S. Ward L. Manus APEA MANAGER  
APPROVED BY \_\_\_\_\_ TITLE CARLSBAD RESOURCE AN. DATE 11-2-89  
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side