

Form 3160-3
(July 1989)
(formerly 9-331C)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT REC.
OFFICE FOR NUM.
OF COPIES REQUIRED
(Other instructions on
reverse side)

30-02530809
BLM Roswell District
Modified Form No.
NM060-3160-2

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 EC-61604	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
c. NAME OF OPERATOR Southland Royalty Company		7. UNIT AGREEMENT NAME	
3a. AREA CODE & PHONE NO. 915/686-5600		8. FARM OR LEASE NAME South Corbin Federal	
3. ADDRESS OF OPERATOR 21 Desta Dr., Midland, TX 79705		9. WELL NO. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FNL & 510' FEL At proposed prod. zone Same		10. FIELD AND POOL, OR WILDCAT West Corbin (Delaware)	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles southeast of Maljamar, NM		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T18S, R33E	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 510'		12. COUNTY OR PARISH Lea	
16. NO. OF ACRES IN LEASE 320		13. STATE NM	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1810'		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 5500'		22. APPROX. DATE WORK WILL START 4/06/90	
21. ELEVATIONS (Show whether DF, RT, GR, ETC.) 3839'			

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	K-55	STC	370'	240 sx-Circ.
7 7/8"	5 1/2"	15.5#	K-55	STC	5500'	1000 sx-Circ.

Drill 12 1/4" hole to 370'. Set 8 5/8" csg @370'. Cmt w/240 sx. Circ.

Drill 7 7/8" hole to 5500'. Set 5 1/2" csg @5500'. Cmt w/1000 sx. Circ.

MUD PROGRAM: 0-370' Fresh water gel & lime; 370'-5500' Salt water, MW 9.8-10.2. No abnormal pressures or temperatures expected.

BOP PROGRAM: 10"-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, and one pipe ram BOP. Test BOP's with an independent tester after setting the 8 5/8" csg.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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 2/01/90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE 2-21-90
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

TITLE 18 U.S.C. SECTION 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.