

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT R. VING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on
reverse side)

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. LEASE DESIGNATION AND SERIAL NO. NM-0997	
1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
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"/>			7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Southland Royalty Company			8. FARM OR LEASE NAME Aztec "22" Federal	
3a. AREA CODE & PHONE NO. 915/686-5681			9. WELL NO. 1	
3. ADDRESS OF OPERATOR P.O. Box 51810, Midland, TX 79710-1810			10. FIELD AND POOL, OR WILDCAT South Corbin (Wolfcamp)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface F, 1980' FNL & 1980' FWL At proposed prod. zone			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T18S, R33E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles Southeast of Maljamar, NM			12. COUNTY OR PARISH Lea	13. STATE NM
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		16. NO. OF ACRES IN LEASE 320	17. NO. OF ACRES ASSIGNED TO THIS WELL 80	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1867'		19. PROPOSED DEPTH 13610 TD 12330 PBD	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show Whether DF, RT, GR, ETC.) 3855.1 GR			22. APPROX. DATE WORK WILL START * 8/13/91	

23. PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48 & 54.4			340'	375 sx. surf.
12-1/4"	8-5/8"	18 & 24			4400'	2400 sx. surf.
7-1/8"	5-1/2"	17			13,626'	1050 sx. TOC

Deepen within casing from West Corbin (Delaware) to South Corbin (Wolfcamp).

Drill out the CIBP, clean out to PBTD of 5703'. Squeeze the Delaware formation with 300 sx. cement. Drill out Cement retainer, pressure test to 1000 psi. Drill out to 10,700', test casing to 1000 psi. Perforate the Wolfcamp from 11,439 - 11,468', 4 spf, total 120 holes. TIH w/packer and 2-7/8" tubing. Pickle tubing with 200 g. of 15% NEFe HCl. Place 500 psi on 2-7/8" X 5-1/2" annulus. Spot acid with 2900 gallons of 15% NEFe HCl and 180 7/8" RCNBS. TIH with 2-7/8", 6.5#, N-80 tubing set at 11,400. TIH with 2-1/2" x 1-1/4" x 36' RHBM. Install American conventional 640-365-144 pumping unit. Put on production.

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 *Donna Walker* TITLE Regulatory Compliance Rep. DATE 8/12/91

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 8-20-91
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

AZTEC 22 FEDERAL #1

WEST CORBIN FIELD
LEA COUNTY, NEW MEXICO
PROPOSED SCHEMATIC

13-3/8" 54.5# K55
@ 340'
(CMT TO SURFACE)

8-5/8" 24/28#
K55/S80/N80 @ 4400'
(CMT TO SURFACE)

PERFS @ 5800'-02'

CIBP @ 12330' W/35' CMT

CIBP @ 12680' W/35' CMT

CIBP @ 13190' W/35' CMT

5-1/2" 17# P110/
S95/N80 @ 13610'

2 7/8" 6.5# N80 tbg

DELAWARE PERFORATIONS

5194'-209' (2 SPF, 32 Holes)
5242'-54' (2 SPF, 26 Holes)
5296'-314' (2 SPF, 38 Holes)

BONE SPRING PERFORATIONS

8927'-42' (32 Holes)
10024'-216' (53 Holes)

WOLFCAMP PERFORATIONS

10745'-82' (32 Holes)
11172'-332' (67 Holes)
11439'-11468' (60 HOLES)

STRAWN PERFORATIONS

12400'-10' (20 Holes)

ATOKA PERFORATIONS

12734'-48' (30 Holes)

MORROW PERFORATIONS

13242'-517' (35 Holes)