

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 Southwest Royalties, Inc.

3. ADDRESS AND TELEPHONE NO.
 P.O. Box 11390, 407 N. Big Spring, Midland, Tx 79702
 (915) 686-9927

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 660' FNL & 660' FWL Sec.1, T26S, R29E
 At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12 miles Southeast of Malaga, New Mexico

15. 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 320

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

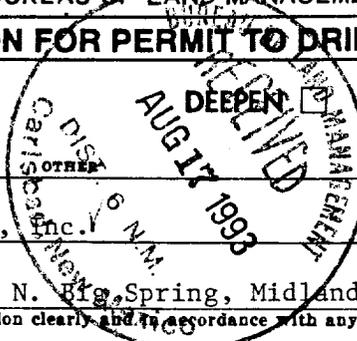
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N.A.

19. PROPOSED DEPTH 7200'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GL3052 **Carlsbad Centered Water Basin**

22. APPROX. DATE WORK WILL START* 9-15-93



RECEIVED
SEP 23 1993
C.L.D.

5. LEASE DESIGNATION AND SERIAL NO.
 Nm-77023

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 --

7. UNIT AGREEMENT NAME
 --

8. FARM OR LEASE NAME, WELL NO.
 China Grove Federal 1

9. AP WELL NO.
 30-015-27678

10. FIELD AND POOL OR WILDCAT
 UNDESIGNED BEHSHY DRAW;
 Wildcat DELAWARE, N

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
 D Sec.1, T26S, R29E

12. COUNTY OR PARISH Eddy

13. STATE NM

c/sf

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	J55 ST&C 13-3/8	54.5#	600'	750 sx circulate to surface
11"	J55 ST&C 8-5/8	24# & 32#	3150'	1000 sx circulate to surface
7-7/8"	K55 ST&C 5-1/2	15.5# & 17#	7200'	1st stage 400 sx 2nd stage 450 sx DV 4500'

- Set 40' of 20" conductor and cement to surface.
- Drill 17-1/2" hole to 600', run used inspected 13-3/8" J55 ST&C 54.5# casing. Cement with 750 sx cement + 2% CaCl + 1/2# flocele. Circulate cement to surface.
- Drill 11" hole to 3150', run used inspected 8-5/8" J-55 ST&C 24# and 32# casing. Cement with 1000 sx 65/35 Poz 1/2# flocele/sx, tailin with 200 sx Class "H" with 1/2# flocele/sx. Circulate cement to surface.
- Drill 7-7/8" hole to 7200, log open hole, run new 5-1/2" K-55 ST&C 15.5# and 17# casing. Place DV tool to 4500', cement 1st stage with 400 sx 50/50 Poz + 6# salt/sx. Cement 2nd stage with 450 sx 50/50 Poz + 6# salt/sx. Tie into intermediate at 2850'. Run Temp Survey to verify.
- 13-3/8" casing and 8-5/8" casing may be used (Drifted and tested per API specs).

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Joe T. Jensen TITLE AGENT DATE 8/14/93

Posted ID-1
10-1-93

(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 (ORIG. SGD.) RICHARD L. MANUS TITLE AREA MANAGER DATE SEP 22 1993

*See Instructions On Reverse Side