

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

(Other instructions on reverse)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

451

APPLICATION FOR PERMIT TO DRILL OR DEEPEEN

1a. TYPE OF WORK
DRILL ☒ DEEPEEN ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR
CONCHO RESOURCES, INC. (ERICK NELSON) 915-683-744

3. ADDRESS AND TELEPHONE NO.
110 WEST LOUISIANA SUITE 410 MIDLAND, TEXAS 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 660' FSL & 660' FEL SEC. 11 T18S-R24E EDDY CO. NM
At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Approximately 15 miles Southwest of Artesia New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 320

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

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

19. PROPOSED DEPTH 9000'

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3687' GR.

22. APPROX. DATE WORK WILL START*
When approved

5. LEASE DESIGNATION AND SERIAL NO.
NM-5538-9538

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
SOUTHERN CROSS "11" # 1

9. OIL WELL NO.
30-015-31795

10. FIELD AND POOL, OR WILDCAT
Antelope Sink North Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 11 T18S-R24E

12. COUNTY OR PARISH
EDDY CO.

13. STATE
NM

RECEIVED
OCD - ARTESIA

Richard Knab, Archa-Merian

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	20" conductor	NA	40'	Cement to surface with Redi-mix
12 1/2"	J-55 8 5/8"	32	850'	850 Sx. circulate cement to surface
7 7/8"	N-807J-55 4 1/2"	11.6	9000'	1225 Sx. Estimate TC 1600' ±

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 12 1/2" hole to 850'. Run and set 850' of 8 5/8" J-55 32# ST&C casing. Cement with 600 Sx. of Class "C" Light + additives, tail in with 250 Sx. of Class "C" cement + 2% CaCl₂ + 1/2# Flocele/Sx. Circulate cement to surface.
3. Drill 7 7/8" hole to 9000'. Run and set 9000' of 4 1/2" casing as follows: 1100' of 4 1/2" N-80, 11.6# LT&C, 7000' of 4 1/2" J-55 11.6# LT&C, 900' of 4 1/2" N-80 11.6# LT&C. Cement with 300 Sx. of 35/65 POZ Class "H" + 6% Salt + 6% Bentonite + .25#/Sx Celo-flakes, tail in with 925 Sx. of 50/50 Class "H" POZ + 6% Salt + 2% Bentonite, estimate top of cement 666'.

* Cement to cover all oil, gas and water bearing zones.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present 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.

SIGNED Joe T. Garcia TITLE Agent DATE 04/10/01

(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 Joe T. Garcia FIELD MANAGER DATE 5/16/01

*See Instructions On Reverse Side APPROVAL FOR 1 YEAR

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.