

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI

MISSION

Approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

100 OIL CO. 38210  
ARTESIA, NM

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ OCT 10 1993

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
SPENCE ENERGY COMPANY ✓ Ph. 214-739-0027

3. ADDRESS AND TELEPHONE NO.  
4849 Greenville Ave., Ste. 381  
Dallas, Texas 75206

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At surface 2260' FSL, 2305' FWL, Sec. 23-19S-30E (Unit K)  
At proposed prod. zone Same (NENESW)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
23 miles northeast of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE 240

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. 610'

19. PROPOSED DEPTH 2000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3293.4 GL

22. APPROX. DATE WORK WILL START\* As Soon As Possible

5. LEASE DESIGNATION AND SERIAL NO.  
NM-4350

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
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7. UNIT AGREEMENT NAME  
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8. FARM OR LEASE NAME, WELL NO.  
Unocal Federal 23 No. 2

9. AM WELL NO.  
30-015-27720

10. FIELD AND POOL, OR WILDCAT  
North Hackberry Yates-Seven Rivers

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 23, T. 19S., R. 30E.

12. COUNTY OR PARISH  
Eddy

13. STATE  
N.M.

PROPOSED CASING AND CEMENTING PROGRAM

R-111-P Potash

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" ST&C	48# H-40	500'±	500± sx (Circulated to Sur.)
12-1/4"	8-5/8" ST&C	28# H-40	1600'±	800± sx (Circulated to Sur.)
7-7/8"	5-1/2" LT&C	17# K-55	2000'±	122± sx (Tie Back 200' into 8-5/8")

Propose to drill to 2000'± to test Yates and Seven Rivers formation. Perforate favorable zones. Run tubing to perfs, stimulate and test to tank. See attached "Drilling Data" and BOP Diagram.

This well is within the Potash Area and subject to NMOCD Order R-111-P. See attached concurrence from BLM Mining Section and waivers from Eddy Potash, Inc. and Horizon Potash Corporation.

Gas is not dedicated.

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 Jerry W. Long TITLE Permit Agent DATE 9/11/93

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_ APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

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 production thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Gilbert J. Lucero TITLE Acting State Director DATE 10-4-93

\*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.