

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

LC-029387 (C)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

North Shugart Deep ~~well~~

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

North Shugart Morrow

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

Sec. 29, T-18-S, R-31-E

12. COUNTY OR PARISH 13. STATE

Eddy N.M.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Gulf Oil Corporation ✓

3. ADDRESS OF OPERATOR

P. O. Box 670 Hobbs, New Mexico 88201 RECEIVED

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

660' FNL & 2180' FEL

At proposed prod. zone

FEB 15 1979

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

O. C. C.
ARTESIA, OFFICE

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

16. NO. OF ACRES IN LEASE

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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.

19. PROPOSED DEPTH

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20. ROTARY OR CABLE TOOLS

Rotary

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

3622' GL

22. APPROX. DATE WORK WILL START*

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23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	620'	515 sacks - Circ
12 1/2"	9-5/8"	36# & 40#	4515'	1100 sacks - TSITOC 1180'
8 3/4"	7"	23@ & 26#	12,000'	1200 sacks - TSITOC 7600'

Pull production equipment. Run 7" CIBP & set at 11,375'. Cap w/35' cmt., abandoning North Shugart Morrow. Reverse out excess cmt. Spot 250 gal 10% MS acid from 11,221'-11,170'. Reverse out excess acid. Perf North Shugart Atoka at new intervals 11,216'-11,221' with 2 1/2" JHPF. Run treating/production equipment. Set packer at 11,150'. Swab well & clean up. Return well to production.

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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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 N. D. Sikes, Jr. TITLE Area Engineer DATE 2-7-79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE FEB 14 1979

APPROVED BY Joe L. Lara TITLE ACTING DISTRICT ENGINEER DATE FEB 14 1979

CONDITIONS OF APPROVAL, IF ANY: