

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

30-015-20270

5. LEASE DESIGNATION AND SERIAL NO.

NM-0503

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cotton Draw Unit

9. WELL NO.

68

10. FIELD AND POOL, OR WILDCAT

Paduca-Devonian Gas

11. SEC., T., R., M., OR B.L.R. AND SURVEY OR AREA

Sec. 12, T-25-S, R-31-E

12. COUNTY OR PARISH 13. STATE

Eddy New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

RECEIVED DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

DEC 1 1969

2. NAME OF OPERATOR

TEXACO INC.

O. C. C.

3. ADDRESS OF OPERATOR

ARTEBIA, OFFICE P. O. BOX 3109, MIDLAND, TEXAS

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

At surface

1980' FNL & 2310' FWL, Section 12, T-25-S, R-31-E

At proposed prod. zone

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

20 miles southeast of Malaga, New Mexico

16. NO. OF ACRES IN LEASE

10,230'

17. NO. OF ACRES ASSIGNED TO THIS WELL

35,146.30

20. ROTARY OR CABLE TOOL

32

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

6,200'

19. PROPOSED DEPTH

16,500'

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

GR - 3435'

22. APPROX. DATE WORK WILL START*

1969

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Includes rows for 25", 17 1/2", 12 1/4", 8 1/2", and 6 1/2" hole sizes.

1280 sx TLW, 12#/gal followed by 500 sx cl. "C", 14.8#/gal. Use 1/4#/sx flocele to 1st. 500 sx TLW. Cement must circ. (350% to circ.) **3150 sx TLW w/10% salt, 14.8#/gal followed by 500 sx cl. "C" w/ 10% salt, 14.8#/gal Calip. Vol. + 25%. **1st State-Stage cementing tool @ 7900 -1100 sx TLW, 12# cl. followed by 760 sx cl. "C" w/10% sx salt, 14.8#/gal. Add 1/4#/sx flocele to 1st. 1000 sx TLW. 2nd Stage-1240 sx TLW w/5# sx gilsonite, 12#/gal. Add 1/4#/sx flocele to 1st 500 sx TLW Calip. Vol. + 25% on both stages. Cl. "C" to 11,000. Preceed each stage w/500 gal mud flush followed by 30 bbls. fresh wtr. ****320 sx cl. "C" (Incor) w/0.6% Halid 9, .4% CFR-2, 1/4#/sx flocele and 5#/sx gilsonite, 14.2#/gal Calip. Vol. + 25%. Preceed cmt. w/500 gal mud flush & 30 bbls fresh wtr. *****75 sx Cl. "C" (Incor) w/0.40% CFR-2, 0.6 Halid 9 1/4#/sx flocele & 5#/sx gilsonite, 14.0#/gal Calip. Vol. + 25%. Preceed cmt. w/500 gal mud flush & 15 bbls fresh wtr. 305 sx Cl. (Incor) w/0.40% CFR-2 0.6% Halid 9, 14.8#/gal. Calculate Vol. Add 20%--Cementing Co. to run lab. w/samples of cmt. & wtr. to be used in cementing prior to cementing at 12,600', & 16,000'.

COMPLETION PROGRAM

1. Run production equipment--Place inhibited fluid in Csg-Tbr annulus. 2. Perforate Devonian section with underbalanced pressure. 3. Test as a natural completion. 4. Treat Devonian as required with H. E. Acid, if necessary.

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.

SIGNED: J. J. Velten

TITLE: Division Civil Engineer DATE: November 26, 1969

(This space for Federal or State office use)

NOV 28 1969

PERMIT NO.

APPROVAL DATE

APPROVED BY: [Signature]

DISTRICT ENGINEER

NOV 23 1969

CONDITIONS OF APPROVAL, IF ANY:

TITLE: FORMATION TOPS EXPECTED

Table with 4 columns: Location, Depth, Formation, Total Depth. Rows include Rustler, Lamar Lime, Bone Spring, Dean (Wc), Wolfcamp pay, Strawn, Morrow Classif, Lower Miss., Devonian.

*See Instructions On Reverse Side