

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Amended

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF 081098-A
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Bldg., Denver, Colorado 80203		8. FARM OR LEASE NAME Florance
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1190' FSL & 950' FEL At proposed prod. zone (W 1100' S 800' E)		9. WELL NO. 19A
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA sec. 3 T30N, R9W
16. NO. OF ACRES IN LEASE 481.38		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 321.38		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. + 5340'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5978 GL		22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	+ 200'	Sufficient to circulate
8 3/4"	7"	20#	+ 3200'	Cement back to surface casing.
6 1/4"	4 1/2"	10.5#	+ 5340'	Cement back to intermediate casing
	Liner			

The proposed drilling program for this well is as follows. drill 12 1/4" hole to + 200' and set 9 5/8" casing, circulate cement to surface. Drill 8 3/4" hole to + 3200' and run 7" casing and cement back to surface casing. Drill on to TD using gas as circulating fluid. Log the hole and hange 4 1/2" Liner to TD. Load hole with mud and cement liner back to 7". Set liner hanger and POH with drill pipe. This well will be completed through casing perforations in the Mesa Verde formation and stimulated as necessary to establish commercial gas production.

The location of this well has been changed due to a request by the BLM.

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 Ted A. Drake TITLE Production Clerk DATE August 12, 1975
(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY: ~



RECEIVED

AUG 14 1975
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FAR-INSTON 111

*See Instructions On Reverse Side