

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-17238
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
2. NAME OF OPERATOR Grace Petroleum Corporation		7. UNIT AGREEMENT NAME Smith Ranch Unit
3. ADDRESS OF OPERATOR P. O. Drawer 2358, Midland, Texas 79702		8. FARM OR LEASE NAME Smith Ranch Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1980' FNL & 660' FWL At proposed prod. zone		9. WELL NO. 1 (W)
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles northeast of Halfway, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 660' to lease line 660' to unit line (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T-20-S, R-33-E
16. NO. OF ACRES IN LEASE 1600 acres (Unit.)		12. COUNTY OR PARISH Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 acres		13. STATE N. M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 14200'		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3571' GR
22. APPROX. DATE WORK WILL START* 6-1-80		

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"	54.5#	500'	525 sx CIRCULATE
12 1/4"	8 5/8"	24, 28 & 32#	5300'	2995 sx (circulate - 2 stages)
7 7/8"	5 1/2"	17 & 20#	14200'	695 sx

See attached sheet for casing and cementing program. The well will be drilled to a depth of 14,200' to test the Morrow Sands. Dual 1500 series ram type blowout preventers and one Hydril will be used.

RECEIVED

APR 30 1980

U. S. GEOLOGICAL SURVEY
HOBBS, 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

TITLE District Production Mgr. DATE 4-28-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: