

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <div style="display: flex; justify-content: space-around;"> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> </div>			7. UNIT AGREEMENT NAME Nash Unit			
b. TYPE OF WELL <div style="display: flex; justify-content: space-between;"> <div> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> </div> <div> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> </div> <div> MULTIPLE ZONE <input type="checkbox"/> </div> </div>			8. FARM OR LEASE NAME Nash Unit			
2. NAME OF OPERATOR Mesa Petroleum Co. ✓			<div style="border: 2px solid black; padding: 10px; font-weight: bold; font-size: 1.2em;"> RECEIVED APR 28 1976 O. C. C. ARTESIA, OFFICE </div>			
3. ADDRESS OF OPERATOR 904 Gihls Tower West, Midland, TX 79701						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2310' FSL & 330' FEL of Section 13 At proposed prod. zone Same as above						
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17 miles Southeast of Carlsbad						
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)			16. NO. OF ACRES IN LEASE 200		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.			19. PROPOSED DEPTH 5100'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3015.0 GR			22. APPROX. DATE WORK WILL START* July 1, 1976			

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#	300'	350
11	8-5/8"	24# & 32#	3,300	900
7-7/8	5-1/2"	14#	5,100'	200

Propose to drill to 5100' with rotary tools. BOP's will not be used to drill 17½" hole to 300'. After the 13-3/8" casing is run, cemented and bradenhead installed, 12" API 3000 psi WP BOP's (1 pipe, 1 blind, 1 annular bag type) will be utilized to total depth. Cement will be circulated to the surface on 13-3/8" and 8-5/8" casing strings in order to comply with Rule 111-A. Brine water will be used to drill the entire well with special attention given to maintaining brine at/or near saturated state while drilling the 12-1/4" hole to 3300'. See attached plan of development for details.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present producing 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 Michael P. Houston TITLE Division Engineer DATE April 9, 1976

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY :

***See Instructions On Reverse Side**

XC: 5-USGS, 1-JLF, 1-LMC, 1-MEC, 1-RHN, 10-WI Partners