

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-005-60494

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  
Mountain States Petroleum Corporation **RECEIVED**

3. ADDRESS OF OPERATOR  
P. O. Box 1936, Roswell, New Mexico 88201 **RECEIVED**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 660' FNL & 2320' FW **RECEIVED**  
At proposed prod. zone Same **RECEIVED**  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
8 miles NE of Hagerman, New Mexico **RECEIVED**  
MAR 22 1978

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
320' O. C. O. ARTESIA, OFFICE

16. NO. OF ACRES IN LEASE  
120

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.  
P & A 340' West

19. PROPOSED DEPTH  
2350

20. ROTARY OR CABLE TOOLS  
Rotary and Cable Tool

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3565 GL

22. APPROX. DATE WORK WILL START\*  
03/16/78

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 11           | 8-5/8          | 24              | 320           | 150 SXS            |
| 7-7/8        | 5-1/2          | 14              | 2000          | 100 SXS            |

After setting 8-5/8" surface casing, Contractor will install control head (no gas or high pressure encountered in off-set cable tool hole). Drill with native mud and water to approximately 2000' and run and cement 5-1/2 inch casing. Move off rotary and move on cable tools. Drill San Andres pay interval with cable tools and complete open hole. If no commercial production encountered, pull free 5-1/2" casing and plug hole according to USGS requirements. If commercial production found, complete well, stimulate with acid as necessary, construct production facilities and produce. This well replaces #1 TD 254'. No additional surface work required. Same pad and pits will be used. A new survey and plat are being prepared and will be submitted under separate cover. Verbal permission to skid rig received 03/15/78 Artesia District Office

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 K. Chamenor TITLE Geologist DATE 03/15/78

(This space for Federal or State office use)  
PERMIT NO. \_\_\_\_\_ APPROVAL DATE Verbal 3-15-78

APPROVED BY Joe J. Lara TITLE ACTING DISTRICT ENGINEER DATE MAR 21 1978  
CONDITIONS OF APPROVAL, IF ANY: