

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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5A. Indicate Type of Lease  
STATE ☐ FEE ☒  
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |  |   |
|---|--|---|
| 1a. Type of Work<br>b. Type of Well<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/><br>2. Name of Operator<br>Sovereign Oil Company<br>3. Address of Operator<br>7490 Clubhouse Road, Ste 102, Boulder, Colorado 80301<br>4. Location of Well<br>UNIT LETTER E LOCATED 1730 FEET FROM THE North LINE<br>AND 900 FEET FROM THE West LINE OF SEC. 9 TWP. 32N RGE. 6W NMPM<br>19. Proposed Depth<br>3185 KB<br>19A. Formation<br>Lewis<br>20. Rotary or C.T.<br>Rotary<br>21. Elevations (Show whether DF, RT, etc.)<br>6157 G.L.<br>21A. Kind & Status Plug. Bond<br>One time<br>21B. Drilling Contractor<br>Four Corners<br>22. Approx. Date Work will start<br>on approval |  | 7. Unit Agreement Name<br>8. Farm or Lease Name<br>Sovereign 32-6<br>9. Well No.<br>No. 1<br>10. Field and Pool, or Wildcat<br>W/C PC<br>12. County<br>San Juan |
|---|--|---|

23.

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP        |
|--------------|----------------|-----------------|---------------|-----------------|-----------------|
| 13 3/4       | 9 5/8          | 36#             | 200'          | 200-3% CaCl     | Surface         |
| 7 7/8        | 4 1/2          | 10.5#           | 3185'         | 325 sx          | Cover Ojo Alamo |

Drill 13 3/4" hole with spud mud. Set 9 5/8" surface casing and cement to surface. WOC 12 hours. Nipple up BOP's and bleed off manifold and test to 600 psi for 30 min. Drill 7 7/8" hole to 1300'. Begin deviation with Dynadrill maintaining 8° to 11° deviation to proposed TD. Actual depth approximately 3155' KB. Location at TD: 900' FWL, 1500' FNL Section 9, T32N R6W. Run & cement 4 1/2" casing to 1100' depth.

Expected tops: Ojo Alamo-1410'; Kirtland-1530'; Fruitland-2570'; Pictured Cliffs 2740'; Lewis Shale-3140'.

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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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Mark Kallen Title Engineer Date 2/1/83

(This space for State Use)

SUPERVISOR DISTRICT 2

AUG 17 1983

APPROVED BY Frank J. Dany TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
NSP - 1829 A for 18.20  
NSOR - 7292 for 237.60