

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

| | | | |
|---|----------------------|--|----------------------|
| OPERATOR Shell Oil Company | | ADDRESS Western Division, Midland, Texas, Box 1509 | |
| LEASE NAME North Antelope Ridge Unit | WELL NO. 1 | FIELD North Antelope Ridge Unit | COUNTY Lee |
| LOCATION UNIT LETTER G ; WELL IS LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE, SECTION 22 TOWNSHIP 23-S RANGE 34-E NMPM. | | | |

CASING AND TUBING DATA

| NAME OF STRING | SIZE | SETTING DEPTH | SACKS CEMENT | TOP OF CEMENT | TOP DETERMINED BY |
|--|----------------|---------------|--|----------------|---------------------|
| SURFACE CASING 94# H-40 | 20" | 360' | 650 sax | Surface | Circulated |
| INTERMEDIATE 72#, 68#, 61# J-55&N-80 | 13-3/8" | 5004' | 1850 sx Lite-Wate +40 sx Class "C" | 2815' | Temp. Survey |
| LONG STRING Cut and Pulled | 9-5/8" | | | | |
| TUBING KUE | 3-1/2" | 4950' | NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model "R" @ 4950' | | |

| | | | |
|---|--|--|---|
| NAME OF PROPOSED INJECTION FORMATION Delaware Mountain Sand | | TOP OF FORMATION 5018 | BOTTOM OF FORMATION 6500' |
| IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing | | PERFORATIONS OR OPEN HOLE? Open Hole | PROPOSED INTERVAL(S) OF INJECTION 5018-6500' |
| IS THIS A NEW WELL DRILLED FOR DISPOSAL? No | IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Devonian Completion | | HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes |

LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH

Atoka 12,002-12,136' Cement Retainer and 205 sx Class "B" Regular

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|---|------------------------|--|---|---|---|
| DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Ogallala approx 200' | | DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None | | DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA Bone Spring 8537' | |
| ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 1200 | MINIMUM 1000 | MAXIMUM 3600 | OPEN OR CLOSED TYPE SYSTEM Closed | IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity | APPROX. PRESSURE (PSI) 0 |
| ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - Yes | | | WATER TO BE DISPOSED OF Yes | NATURAL WATER IN DISPOSAL ZONE Yes | ARE WATER ANALYSES ATTACHED? No |

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)

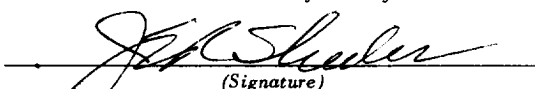
L.B.M. Cattle Company, Box 1220, Carlsbad, New Mexico

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL

None

| | | | |
|---|-----------------------------|--|---|
| HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes | SURFACE OWNER Yes | EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL None | THE NEW MEXICO STATE ENGINEER Yes |
| ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes | PLAT OF AREA Yes | ELECTRICAL LOG Yes | DIAGRAMMATIC SKETCH OF WELL Yes |

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


(Signature)**Division Production Manager**

(Title)

(Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.