## NEW MEXICO OIL CONSERVATION COMMISSION

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

| Shell Oil Company    Wettino   Price   Wettino   W     | PERATOR   |                    |                                 | ADDRESS                 |                       |                  | 00 _          |  |
|--|---|--------------------|---------------------------------|-------------------------|-----------------------|------------------|---------------|--|
| East LIME, SECTION 22 TOWNSHIP 23-S NAME 34-E MAPPY.  CASING AND TUBING DATA  NAME OF STRING  SIZE SETTING DUPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY WELLOW SACKS CEMENT TOP OF CEMENT      | EASE NAME   |                    | WELL NO.                        | FIELD                   |                       |                  |               |  |
| EAST LINE, SECTION 22 TOWNSHIP 23-8 AANGE 34-E MARKET.  CASING AND TUBING DATA  NAME OF STRING SIZE SETTING DEPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY TOP DETERMINED BY TOP OF CEMENT TOP OF CEMENT TOP DETERMINED BY TOP STRING SIZE SETTING DEPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY TOP OF CEMENT TOP OF CEMENT TOP OF CEMENT TOP DETERMINED BY TOP STRING SIZE SETTING DEPTH SACKS CEMENT TOP OF      |   | Unit               | 1                               | North                   | Antelop               | e Ridge Un       | ilt           | Les  |
| NAME OF STRING SIZE SETTING DEPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY UNFACE CARBON SIZE SETTING DEPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY UNFACE CARBON SIZE SETTING DEPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY UNFACE CARBON SIZE SETTING DEPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY UNFACE STRING SIZE SETTING DEPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY UNFACE SIZE SETTING DEPTH SACKS CEMENT TOP OF CEMENT SACKS CEMENT SIZE SETTING      |   | <b>G</b> ; we      | LL IS LOCATED 1                 | 980 FEET                | FROM THE              | North            | INE AND 1     | 980 FEET FROM                                  |
| NAME OF STRING  NAME OF STRING  948 R-40  20"  360'  1850 ask Surface  Circulated  1860 ask Surface  Circulated  1870 ask Surface  Circulated  1870 ask Surface  Circulated  1870 ask Surface  Sold Surface      | East Line, Section  | <b>22</b> row      | NSHIP 23-S                      | RANGE 34                | 1-E N                 | ирм.             |               |  |
| SAPE HA-40  20"  360'  1850 asx Lite-Wate  185     |   | Т                  |                                 | 1                       |                       |                  | <del></del>   |  |
| TYPE CONTROL OF THE PROPOSED INTERVALS AND SACES OF CEMENT USED OF SEATON OF SOLICE EACH AND SACES OF CEMENT USED OF SACES OF SACES OF SACES OF SACES OF SEATON OF SACES OF SA     |   | SIZE               | SETTING DEPTH                   | SACKS CEN               | MENT                  | TOP OF CEME      | ENT T         | OP DETERMINED BY                               |
| TERMEDIATE  TOP OF FROM STATE  T     | 0A_H &A0  | 20"                | 3601                            | 650                     | LOY .                 | Surface          | C             | irculated                                      |
| TOUR OF PROPOSED INJECTION FORMATION  DELEVATE HOUSE THE PROPOSED INJECTION FORMATION  PARTIES THE PROPOSED INJECTION FORMATION  DELEVATE HOUSE THE PROPOSED INTERVALIS OF PRO     |   |                    |                                 | <del></del>             |                       | D 000 0 0 0 0 0  |               |  |
| BUR 3-1/2" 4950' Baker Model "R" (950')  MAKE OF PROPOSED INJECTION FORMATION  PROPOSED INJECTION TORMATION    Complete Mountain Send  | 729_684_61# J-554H-80   | 13-3/8"            | 50041                           |                         | ,                     | 2815°            | Te            | emp. Survey                                    |
| AME OF PROPOSED INJECTION FORMATION  Delaware Mountain Sand  Sold      |   | 9-5/8"             |                                 |                         |                       |                  |               |  |
| Delaware Mountain Sand  Delaware Mountain Sand  Description of Pormation  Description of Pormation  Description of Pormation  Description of Pormation  Description of Description  Descripti     |   |                    |                                 |                         |                       |                  | ····          |  |
| Dear Role  Sold Sold Sold Sold Sold Sold Sold Sold   |   |                    | 4950'                           |                         |                       | @ 4950'          | Tabana (1997) |  |
| PREFORATIONS OR OPEN HOLE?  Deen Bole  5018-6500'  PARISH REWELL DRILLED FOR  IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY ORILLED?  Devocias Completion  Depth of for or next lower old gas are not not go gas are not go for or next lighter on the proposed in this area old gas are in this area.  Dought label approx 200'  Note Bone Spring 8537'  Note Bone Spring 8537'  Note Copies of this area old gas and min-  Tock, instigation, or other general user of both control of the proposed of the propos     | _   |                    | 105 05 50                       |                         |                       |                  |               |  |
| 19 THIS ATEN WELL DRILLED FOR PROPERTORATED. IT PANSWER IS NO, FOR WHAT FURDOSE WAS WELL ORIGINALLY DRILLED?  Devoil Completion  Nevonian Completion  Devoil Completion  Note: 12,002-12,136' Coment Retainer and 205 sx Class "B" Regular  Epth of portion of petpets  Epth of portion of detpets  Depth of bottom of next licher  Dit of as zone in this area  Old of as zone in this area  Old of as zone in this area  Old of as zone in this area  Deallala approx 200'  Note:      |   |                    | PERFORATION                     | S OR OPEN HOLE?         | ,                     | ERVAL(S) OF INJE |               | <i>y</i>                                       |
| 19 THIS ATEN WELL DRILLED FOR PROPERTORATED. IT PANSWER IS NO, FOR WHAT FURDOSE WAS WELL ORIGINALLY DRILLED?  Devoil Completion  Nevonian Completion  Devoil Completion  Note: 12,002-12,136' Coment Retainer and 205 sx Class "B" Regular  Epth of portion of petpets  Epth of portion of detpets  Depth of bottom of next licher  Dit of as zone in this area  Old of as zone in this area  Old of as zone in this area  Old of as zone in this area  Deallala approx 200'  Note:      | ľubine  |                    | Open                            | Hole                    | 5018                  | -65001           |               |  |
| Atoka 12,002-12,136' Coment Retainer and 205 sx Class "B" Regular  EPTH OF BOTTOM OF DEEPEST RESH WATER TOME TO DEEP HOT BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA  DEETH OF BOTTOM OF DEEPEST RESH WATER TOME IN THIS AREA  DEETH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA  DEETH OF SOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA  BOOM Spring 8537'  NOME  ROSS  R     | THIS A NEW WELL DRILLED FOR ISPOSAL?                                | IF ANSWER IS       | NO, FOR WHAT PURPO              | SE WAS WELL ORIG        | SINALLY DRILL         | ED?              | HAS WELL EV   | ER BEEN PERFORATED IN<br>HAN THE PROPOSED INJE |
| Archa 12,002-12,136' Commet Retainer and 205 sx Class "B" Regular  EPTH OF BOTTON OF DEEPEST BEST MARKET SOME IN THIS AREA  DEEPTH OF BOTTON OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA  BONE SPTING 8537'  NOME  NOME  SOME SPTING 8537'  MAXIMUM  M     | io  | Devon              | ian Completi                    | On                      |                       |                  | TION ZONE?    | Yes  |
| EPTH OF BOTTOM OF DEEPEST RESH WATER TONE IN THIS AREA  DEAT 12 12 12 12 12 12 12 12 12 12 12 12 12  |   |                    |                                 |                         |                       | •                |               |  |
| Dealla La approx 200   Nome   Bone Spring 8537    Nome   Bone Spring 8537    Nome   Spri     | EPTH OF BOTTOM OF DEEPEST   | Camers Ket         | DEPTH OF BOTTOM O               | F NEXT HIGHER           | R. KeB                | DEPTH OF TO      | P OF NEXT LOW | ER   |
| NO STREET OF THIS APPLICATION BEEN SURFACE OWNER OF THE FOLLOWING WITHIN ONE-HALF (\$\frac{1}{2}\$) MILE OF THIS INJECTION VITHIN ONE-HALF MILE THE NEW MEXICO STATE ENGINEER SURFORM OF THE FOLLOWING WITHIN ONE-HALF (\$\frac{1}{2}\$) MILE OF THIS INJECTION WITHIN ONE-HALF MILE THE NEW MEXICO STATE ENGINEER SURFORM OF THE SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)  NO STREET OF THIS APPLICATION BEEN SURFACE OWNER (OR LESSEE) SURFACE OWNER (OR LESSEE) SURFACE OWNER OR THIS INJECTION WELL  NO STREET OF THIS APPLICATION BEEN SURFACE OWNER (OR LESSEE) SURFACE |   |                    | OIL OR GAS ZONE IN              |                         |                       |                  |               |  |
| 1200 1500 3600 Closed Cravity 0  NAMER YES DO NO WHETHER THE FOLLOWING WATERS ARE MIN- RALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC. TOCK, IRRIGATION, OR OTHER GENERAL USE—  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  NO  L.B.M. Cattle Company. Box 1220 Carlsbad New Mexico  IST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (3) MILE OF THIS INJECTION WELL  NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DISPO- SAL ZONE  Yes NO  WATER TO BE DISPOSED OF NATURAL WATER IN DI     | NTICIPATED DAILY   MINIMUM  | T MAXIMUM          | OPEN OR CLOS                    | SED TYPE SYSTEM         | IS INJECT<br>PRESSURE | ION TO BE BY GRA |               |  |
| AND COPIES OF THIS APPLICATION BEEN SURFACE OWNER SURFACE      | 1200 1000   |                    |                                 |                         |                       |                  |               |  |
| L.B.M. Cattle Company Box 1220, Carlabad, New Mexico  IST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1) MILE OF THIS INJECTION WELL  None  AVE COPIES OF THIS APPLICATION BEEN SURFACE OWNER  OF THIS WELL  THE FOLLOWING ITEMS ATTACHED TO PLAT'OF AREA  IST APPLICATION (SEE HULE 701-B)  PLAT'OF AREA  Yes  Yes  Yes  Yes  Yes  Yes  | RALIZED TO SUCH A DEGREE AS TO BE                                   | UNFIT FOR DOMEST   | E MIN- ' WATE!                  |                         |                       |                  | ARE WATER A   |  |
| AVE COPIES OF THIS APPLICATION BEEN SURFACE OWNER SURFACE OWNER SACH OPERATOR WITHIN ONE-HALF MILE THE NEW MEXICO STATE ENGINEER OF THIS WELL NOOS STATE ENGINEER OF THIS WELL NOOS STATE ENGINEER SET THE FOLLOWING ITEMS ATTACHED TO PLAT'OF AREA ELECTRICAL LOG DIAGRAMMATIC SKETCH OF WELL YOU YES   | AME AND ADDRESS OF SURFACE OWNER                                    | R (OR LESSEE, IF S | TATE OR FEDERAL LA              |                         | <u> </u>              | res              | <u> </u>      | NO   |
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| THE FOLLOWING ITEMS ATTACHED TO PLAT'OF AREA  ETHE FOLLOWING (SEE RULE 701-B)  PLAT'OF AREA  ELECTRICAL LOG  DIAGRAMMATIC SKETCH OF WELL  Yes  Yes   | None  |                    |                                 |                         |                       |                  |               |  |
| AVE COPIES OF THIS APPLICATION BEEN SURFACE OWNER SURFACE OWNER SURFACE OWNER OF THIS WELL THE NEW MEXICO STATE ENGINEER OF THIS WELL NOTE:  IN THE FOLLOWING ITEMS ATTACHED TO PLAT'OF AREA ELECTRICAL LOG DIAGRAMMATIC SKETCH OF WELL  YOUR THIS WITHIN ONE-HALF MILE THE NEW MEXICO STATE ENGINEER OF THIS WELL THE NEW MEXICO STATE ENGINEER OF THE NEW MEXICO ST     |   |                    |                                 |                         |                       |                  |               |  |
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| Tes I of this well  Yes I None  Yes I Security I Securi     | .,  |                    |                                 |                         |                       |                  | U .           | act ru Ru O                                    |
| TES THE FOLLOWING ITEMS ATTACHED TO PLAT'OF AREA ELECTRICAL LOG DIAGRAMMATIC SKETCH OF WELL  Yes Yes Yes Yes   |   |                    |                                 |                         |                       |                  |               |  |
| TES THE FOLLOWING ITEMS ATTACHED TO PLAT'OF AREA ELECTRICAL LOG DIAGRAMMATIC SKETCH OF WELL  Yes Yes Yes Yes   |   |                    |                                 |                         |                       |                  |               | · · · · · · · · · · · · · · · · · · ·          |
| TO EACH OF THE FOLLOWING?  THE FOLLOWING ITEMS ATTACHED TO PLAT'OF AREA  ELECTRICAL LOG  DIAGRAMMATIC SKETCH OF WELL  Yes  Yes   |   |                    |                                 |                         |                       |                  | ···           |  |
| RE THE FOLLOWING ITEMS ATTACHED TO PLAT'OF AREA ELECTRICAL LOG DIAGRAMMATIC SKETCH OF WELL (IS APPLICATION (SEE RULE 701-B)  | AVE COPIES OF THIS APPLICATION BEE<br>Ent to each of the following? | SURFACE OWNE       | - <b>K</b>                      | 'EACH OPER<br>OF THIS W | ATOR WITHIN (         | DNE-HALF MILE    | THE NEW MEX   | CO STATE ENGINEER                              |
| Yes Yes  | RE THE FOLLOWING ITEMS ATTACHED                                     | TO PLAT'OF AREA    | (es                             | ELECTRICA               |                       | 8                | DIAGRAMMATI   |  |
|  | ILS APPLICATION (SEE RULE 701-B)                                    | _                  | <b>.</b>                        | 1.                      |                       |                  | I             |  |
|  |   |                    |                                 | · · · · · ·             |                       |                  | <u> </u>      |  |

Division Production Manager
(Signature) (Title) (Date)

NOTE: Should waivers from the State Engineer, the surface owher, 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.