

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

September 9, 1974

C  
Yates Petroleum Corporation  
207 South 4th Street  
Artesia, New Mexico 88210

Gentlemen:

O  
Enclosed herewith please find the following Administrative Orders:

Administrative Order No. SWD-158  
City of Artesia CG Well No. 1 located  
in Unit H of Section 23, Township 17  
South, Range 25 East, NMPM, Eddy  
County, New Mexico;

P  
Administrative Order No. SWD-159  
Federal LDY Well No. 3 located  
in Unit F of Section 27, Township  
17 South, Range 25 East, Eddy County;

Y  
Administrative Order No. SWD-160  
Gissler "AV" Well No. 6 located in  
Unit G of Section 23, Township 17  
South, Range 25 East, NMPM, Eddy  
County, New Mexico-

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/CU/og

cc: Oil Conservation Commission  
Drawer DD  
Artesia, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

September 9, 1974

Valley Petroleum Corporation  
107 South Main Street  
Alameda, New Mexico 88110

Gentlemen:

Enclosed herewith please find two Administrative Orders:

Administrative Order No. 277-277  
City of Alameda, Well No. 1 located  
in Unit W of Section 23, Township 17  
South, Range 23 East, T17N, R23E,  
County, New Mexico

Administrative Order No. 277-277  
Federal 17 Well No. 3 located  
in Unit F of Section 17, Township  
17 South, Range 23 East, T17N, R23E,  
County, New Mexico

Administrative Order No. 277-277  
Gisler "AV" Well No. 6 located in  
Unit G of Section 23, Township 17  
South, Range 23 East, T17N, R23E,  
County, New Mexico

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Treasurer

ALP/CUP  
Oil Conservation Commission  
Room 10  
Alameda, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION  
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

|                                                                                                                                                                                                             |                      |                                                          |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------|-----------------------|
| OPERATOR<br><b>Yates Petroleum Corporation</b>                                                                                                                                                              |                      | ADDRESS<br><b>207 South 4th Street-Artesia, NM 88210</b> |                       |
| LEASE NAME<br><b>Gissler "AV"</b>                                                                                                                                                                           | WELL NO.<br><b>6</b> | FIELD<br><b>Eagle Creek (S.A.)</b>                       | COUNTY<br><b>Eddy</b> |
| LOCATION<br>UNIT LETTER <b>G</b> ; WELL IS LOCATED <b>1650</b> FEET FROM THE <b>East</b> LINE AND <b>2310</b> FEET FROM THE <b>North</b> LINE, SECTION <b>23</b> TOWNSHIP <b>17S</b> RANGE <b>25E</b> NMPM. |                      |                                                          |                       |

| CASING AND TUBING DATA                                                                                                                                                  |                                                                                       |                                                                             |                                                                                |                                                                                                |                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------|
| NAME OF STRING                                                                                                                                                          | SIZE                                                                                  | SETTING DEPTH                                                               | SACKS CEMENT                                                                   | TOP OF CEMENT                                                                                  | TOP DETERMINED BY                         |
| SURFACE CASING                                                                                                                                                          | <b>10-3/4"</b>                                                                        | <b>219'</b>                                                                 | <b>80</b>                                                                      | <b>Surface</b>                                                                                 | <b>Circulated</b>                         |
| INTERMEDIATE                                                                                                                                                            | <b>7"</b>                                                                             | <b>1147'</b>                                                                | <b>450</b>                                                                     | <b>Surface</b>                                                                                 | <b>Circulated</b>                         |
| LONG STRING                                                                                                                                                             | <b>4½&amp;5½"</b>                                                                     | <b>1470'</b>                                                                | <b>125</b>                                                                     | <b>Surface</b>                                                                                 | <b>Circulated</b>                         |
| TUBING                                                                                                                                                                  | <b>2-3/8"</b>                                                                         | <b>1272</b>                                                                 | NAME, MODEL AND DEPTH OF TUBING PACKER<br><b>Baker Tension Packer at 1272'</b> |                                                                                                |                                           |
| NAME OF PROPOSED INJECTION FORMATION<br><b>San Andres (Slaughter)</b>                                                                                                   |                                                                                       | TOP OF FORMATION<br><b>1234'</b>                                            |                                                                                | BOTTOM OF FORMATION<br><b>1478' TD</b>                                                         |                                           |
| IS INJECTION THROUGH TUBING, CASING, OR ANNULUS?<br><b>Tubing</b>                                                                                                       |                                                                                       | PERFORATIONS OR OPEN HOLES?<br><b>Perforation</b>                           | PROPOSED INTERVAL(S) OF INJECTION<br><b>1297-1442'</b>                         |                                                                                                |                                           |
| IS THIS A NEW WELL DRILLED FOR DISPOSAL?<br><b>No</b>                                                                                                                   | IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?<br><b>Oil Producer</b> |                                                                             |                                                                                | HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE?<br><b>No</b> |                                           |
| LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH<br><b>1297½-1441½ w/20 holes, none squeezed</b>                                 |                                                                                       |                                                                             |                                                                                |                                                                                                |                                           |
| DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA<br><b>1069'</b>                                                                                                |                                                                                       | DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA<br><b>1118'</b> |                                                                                | DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA<br><b>NP</b>                           |                                           |
| ANTICIPATED DAILY INJECTION VOLUME (BBLs.)<br><b>25</b>                                                                                                                 | MINIMUM<br><b>175</b>                                                                 | MAXIMUM<br><b>175</b>                                                       | OPEN OR CLOSED TYPE SYSTEM<br><b>Closed</b>                                    | IS INJECTION TO BE BY GRAVITY OR PRESSURE?<br><b>Pressure</b>                                  | APPROX. PRESSURE (PSI)<br><b>600 Psi</b>  |
| 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 -<br><b>Yes</b>     |                                                                                       |                                                                             | WATER TO BE DISPOSED OF<br><b>Yes</b>                                          | NATURAL WATER IN DISPOSAL ZONE<br><b>Yes</b>                                                   | ARE WATER ANALYSES ATTACHED?<br><b>No</b> |
| NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)<br><b>J. W. (Bill) Gissler, Box 987-Artesia, NM 88210 - Fee Minerals</b>                        |                                                                                       |                                                                             |                                                                                |                                                                                                |                                           |
| LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (½) MILE OF THIS INJECTION WELL<br><b>Yates Petroleum Corporation is sole Operator within 1/2 mile radius</b> |                                                                                       |                                                                             |                                                                                |                                                                                                |                                           |
|                                                                                                                                                                         |                                                                                       |                                                                             |                                                                                |                                                                                                |                                           |
|                                                                                                                                                                         |                                                                                       |                                                                             |                                                                                |                                                                                                |                                           |
|                                                                                                                                                                         |                                                                                       |                                                                             |                                                                                |                                                                                                |                                           |
|                                                                                                                                                                         |                                                                                       |                                                                             |                                                                                |                                                                                                |                                           |
| HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?                                                                                                     |                                                                                       | SURFACE OWNER<br><b>Yes</b>                                                 |                                                                                | EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL<br><b>N.A.</b>                                 |                                           |
| ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)                                                                                                   |                                                                                       | PLAT OF AREA<br><b>Yes</b>                                                  |                                                                                | ELECTRICAL LOG<br><b>Yes</b>                                                                   |                                           |
|                                                                                                                                                                         |                                                                                       |                                                                             |                                                                                | THE NEW MEXICO STATE ENGINEER<br><b>Yes</b>                                                    |                                           |
|                                                                                                                                                                         |                                                                                       |                                                                             |                                                                                | DIAGRAMMATIC SKETCH OF WELL<br><b>Yes</b>                                                      |                                           |

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

*Eddie M. Bradley*  
(Signature)

**Petroleum Engineer**  
(Title)

**August 30, 1974**  
(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.

# DIAGRAMMATIC SKETCH OF PROPOSED DISPOSAL WELL

YATES PET. CORP.  
Gissler "AV" #6  
2310' FNL, 1650' FEL  
Sec. 23, T. 17S., R. 25E.  
EAGLE CREEK (S.A.)  
Eddy County, N.M.

Elev. 3492 GL

SPUDDED: 5-28-71  
TD: 6-3-71  
COMPL.: 6-19-71  
IP: 25 BOPD +  
13 BLW

Top of San Andres @ 746'

Base of Artesian Zone  
@ 1069'

Top of Slaughter @ 1234'

Dolomite w/ intxl f' vuggy  
porosity, spty yel. flour.  
f' oil staining

Perfd: 1436 1/2, 1430, 1420 1/2, 1408 1/2,  
1397 1/2, 1377, 1362, 1354, 1328 1/2,  
1322, 1314 1/2, 1297 1/2, 1318, 1326,  
1358, 1365, 1406, 1426, 1433 and  
1441 1/2; sand frac'd w/ 4000 gals 15%  
acid; 40,000 # 20-40 sand and  
80,000 gals. treated water.

TD 1478'

6 1/8" hole to 1478' PBTD 1470'  
925' of 5 1/2" 14# J-55 csg and 527'  
of 4 1/2" 9.5# J-55 csg, swg f' float  
shoe set at 1470' w/ 125 sx. of  
Incor. Neat 2% CaCl circulated

PRESS GAUGE

VALVE

METER

INPUT

WING VALVE w/ PRESSURE GAUGE

14" hole to 219' KB w/ 205' of  
10 3/4" 32# csg. set at 219'  
w/ 80 sx. of Incorpor. Neat 4% CaCl  
circulated.

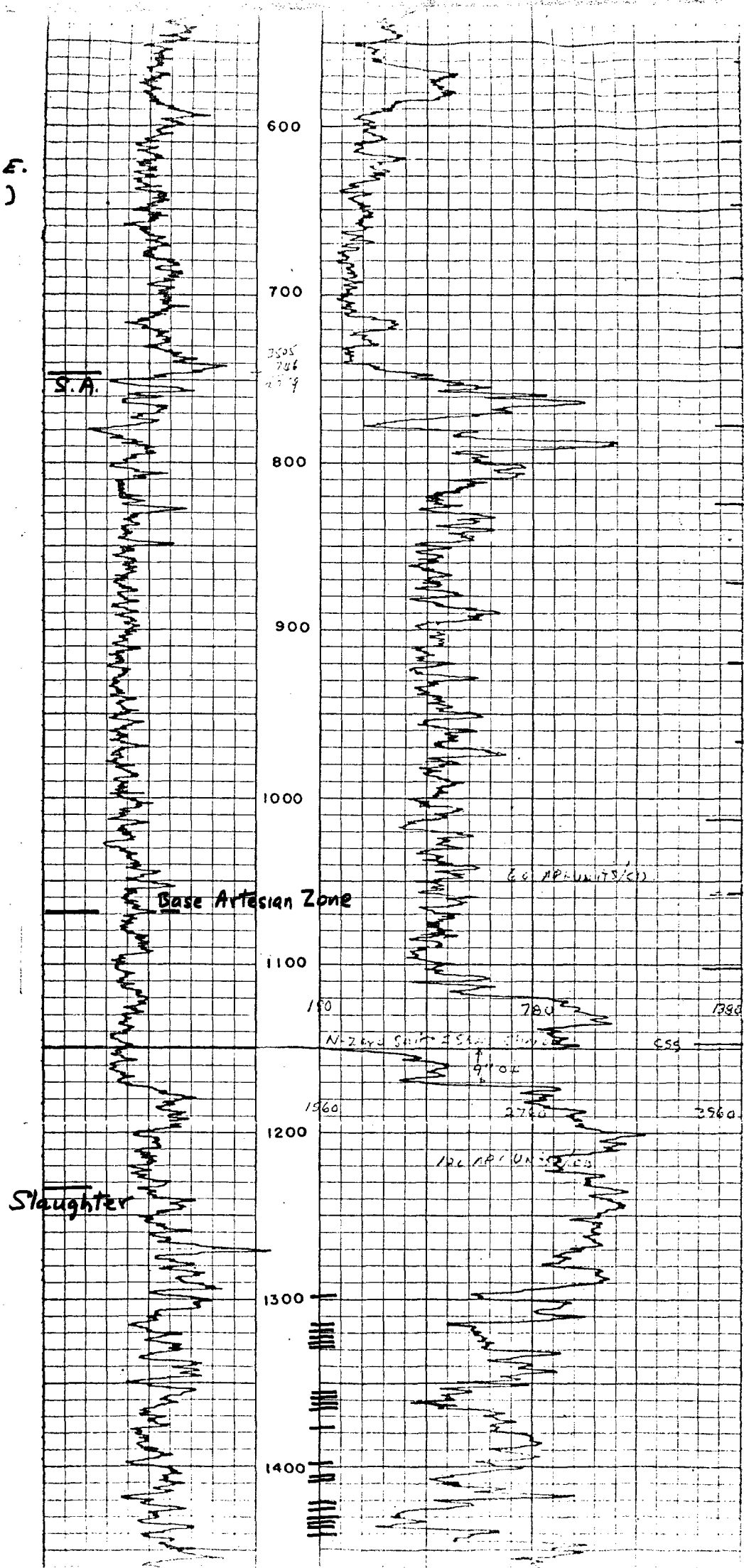
PROPOSED:

2 3/8" Fiberglass Tubing on Baker  
Tension Packer @ 1272' with  
Inhibited water in annulus,  
wing valve open with pressure  
9499c.

9 7/8" hole to 1172' KB, w/ 1135'  
of 7" 26# N-80 f' 23# J-55 csg  
@ 1147' cemented to surface w/  
450 sx. Class "C" Cement and  
2 yds. ready-mix.

127  
527  
1452

YATES PET. CORP.  
 Gissler "AV" #6  
 2310' FNL, 1650' FEL  
 Sec. 23, T. 17S., R. 25E.  
 EAGLE CREEK (S.A.)  
 Eddy County, N.M.



[illegible]