

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

May 6, 1975

C  
O  
P  
Y  
  
Skelton Oil Company  
P. O. Box 840  
Hobbs, New Mexico 88240

Re: Order No. SWD-164

Gentlemen:

Enclosed herewith please find Administrative  
Order No. SWD-164 for the following described well:

State Well No. 1 located  
in Unit G, Section 2,  
Township 14 South, Range  
37 East, Lea County.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/CU/og

cc: Oil Conservation Commission  
Box 1980  
Hobbs, New Mexico

SWD-164  
D-5/

NEW MEXICO OIL CONSERVATION COMMISSION

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

|  |                      |  |                      |
|--|----------------------|--|----------------------|
| OPERATOR<br><b>SKELTON OIL CO.</b>   |                      | ADDRESS<br><b>P.O. BOX 840<br/>HOBBS, N.M. 88240</b> |                      |
| LEASE NAME<br><b>STATE</b>   | WELL NO.<br><b>1</b> | FIELD<br><b>KING DEVONIAN</b>                        | COUNTY<br><b>LEA</b> |
| LOCATION<br>UNIT LETTER <b>J</b> ; WELL IS LOCATED <b>1980</b> FEET FROM THE <b>EAST</b> LINE AND <b>1980</b> FEET FROM THE <b>SOUTH</b> LINE, SECTION <b>2</b> TOWNSHIP <b>14 S</b> RANGE <b>37 E</b> NMPM. |                      |  |                      |

CASING AND TUBING DATA

| NAME OF STRING | SIZE   | SETTING DEPTH | SACKS CEMENT  | TOP OF CEMENT | TOP DETERMINED BY |
|----------------|--------|---------------|---|---------------|-------------------|
| SURFACE CASING | 13 3/8 | 336'          | CIRCULATED  |               |                   |
| INTERMEDIATE   | 9 5/8  | 4697'         | 1620 SKS.   |               |                   |
| LONG STRING    |        |               |   |               |                   |
| TUBING         |        |               | NAME, MODEL AND DEPTH OF TUBING PACKER<br><b>NONE</b> |               |                   |

|  |   |   |                                     |
|--|---|---|-------------------------------------|
| NAME OF PROPOSED INJECTION FORMATION<br><b>SAN ANDRES</b>                      |   | TOP OF FORMATION<br><b>4697'</b>  | BOTTOM OF FORMATION<br><b>6100'</b> |
| IS INJECTION THROUGH TUBING, CASING, OR ANNULUS?<br><b>9 5/8 CASING Tubing</b> | PERFORATIONS OR OPEN HOLE?<br><b>OPEN HOLE</b>  | PROPOSED INTERVAL(S) OF INJECTION<br><b>4697' TO 6100'</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>TESTING DEVONIAN</b> | HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE?<br><b>YES</b> |                                     |

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

**11,053 TO 11,067**

|  |   |   |
|--|---|---|
| DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA | DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA | DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA |
|--|---|---|

|  |         |         |  |  |  |
|--|---------|---------|--|--|--|
| ANTICIPATED DAILY INJECTION VOLUME (BBL'S.)  | MINIMUM | MAXIMUM | OPEN OR CLOSED TYPE SYSTEM                 | IS INJECTION TO BE BY GRAVITY OR PRESSURE? | APPROX. PRESSURE (PSI)                     |
|  |         |         |  |  |  |
| 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>DEVONIAN</b> | NATURAL WATER IN DISPOSAL ZONE             | ARE WATER ANALYSES ATTACHED?<br><b>YES</b> |

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

**HULDA HEIDEL 1018 W. AVE. K. LOVINGTON, NEW MEXICO 88260**

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?   | SURFACE OWNER<br><b>YES</b> | EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL<br><b>NONE</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>                                   | 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.

*J.D. Skelton*  
(Signature)

*Owner Operator*  
(Title)

**4-15-75**  
(Date)

NOTE: Should waivers from 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.

RECEIVED

APR 1 1962

U.S. GOVERNMENT PRINTING OFFICE  
WASHINGTON, D. C.

HALLIBURTON DIVISION LABORATORY  
 HALLIBURTON COMPANY  
 LOVINGTON, NEW MEXICO

LABORATORY WATER ANALYSIS

No. W75-263

To General Petroleum Company

Date 4-7-75

Box 840

Hobbs, New Mexico

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by \_\_\_\_\_ Date Rec. 4-7-75

Well No. State A #1 Depth \_\_\_\_\_ Formation \_\_\_\_\_

County \_\_\_\_\_ Field E. of McDonald Source \_\_\_\_\_

|                                  | First of Swab  | Middle of Swab |      |
|----------------------------------|----------------|----------------|------|
| Resistivity                      | 0.095 @ 74° F. | 0.099 @ 74° F. |      |
| Specific Gravity                 | 1.065          | 1.062          |      |
| pH                               | 6.7            | 6.6            |      |
| Calcium (Ca)                     | 5,000          | 4,600          | *MPL |
| Magnesium (Mg)                   | 300            | 420            |      |
| Chlorides (Cl)                   | 55,000         | 51,000         |      |
| Sulfates (SO <sub>4</sub> )      | 2,250          | 2,300          |      |
| Bicarbonates (HCO <sub>3</sub> ) | 405            | 365            |      |
| Soluble Iron (Fe)                | 90             | 50             |      |
|                                  |                |                |      |
|                                  |                |                |      |
|                                  |                |                |      |

Remarks:

\*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By W. L. Brewer  
 CHEMIST

**NOTICE**

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or omission, resulting from such report or its use.

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APR 1 1961

U.S. CONSERVATION COMMISSION  
WASH., D. C.

# SKELTON OIL COMPANY

P. O. Box 840 • (505) 393-6621

HOBBS, NEW MEXICO 88240

STATE 1  
KING-DEVONIAN  
LEA COUNTY, NEW MEXICO  
1980 FS+EL  
SEC. 2 T. 14S R. 37E



9 5/8 CEMENTED W 1620 SX CEMENT

9 5/8 CASING SET FROM SURFACE  
TO 4697'

OPEN  
HOLE

50 SX CEMENT PLUG @ 6100'

**RECEIVED**

APR 1 1973

U.S. CONSERVATION COMM.  
LOBBS, N. M.



**RECEIVED**

APR 1 1976

**OIL CONSERVATION COMM.  
HOBBS, N. M.**

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

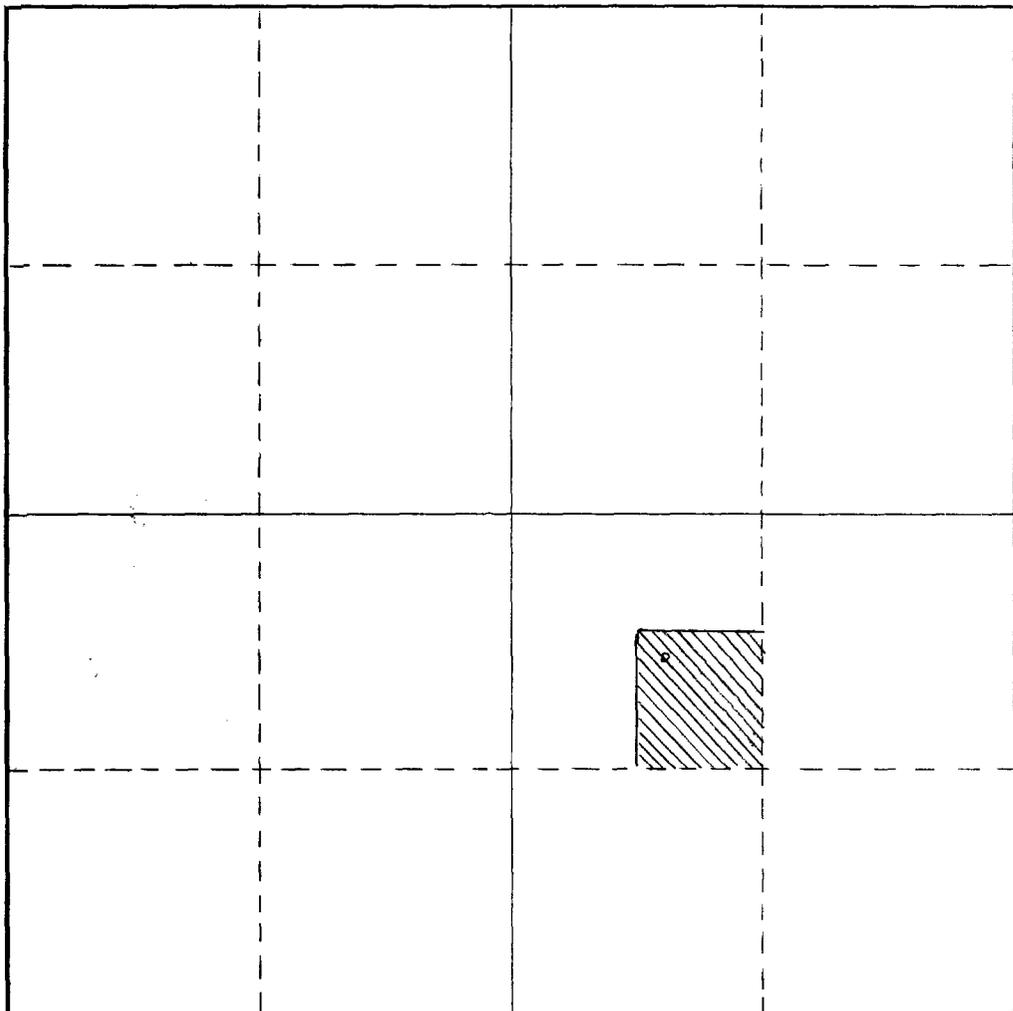
|  |  |   |  |                      |
|--|--|---|--|----------------------|
| Operator<br><b>SKELTON OIL COMPANY</b>   |  | Lease<br><b>STATE OF NEW MEXICO "R"</b> |  | Well No.<br><b>1</b> |
| Unit Letter<br><b>J</b>  | Section<br><b>2</b>                    | Township<br><b>14 S</b>                 | Range<br><b>37 E</b>                     | County<br><b>LEA</b> |
| Actual Footage Location of Well:<br><b>1980</b> feet from the <b>SOUTH</b> line and <b>1980</b> feet from the <b>EAST</b> line |  |   |  |                      |
| Ground Level Elev.<br><b>3839</b>  | Producing Formation<br><b>DEVONIAN</b> | Pool<br><b>KING</b>                     | Dedicated Acreage:<br><b>41.43</b> Acres |                      |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) STATE LAND

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

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

Name  
**T. D. SKELTON**

Position  
**OWNER-OPERATOR**

Company  
**SKELTON OIL CO.**

Date  
**4-15-75**

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.*

Date Surveyed \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_

**RECEIVED**

APR 1 1976

**C. I. CONSERVATION COMM.  
DOBBS, N. M.**

OIL CONSERVATION COMMISSION  
Hobbs DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE April 17, 1975

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD X \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

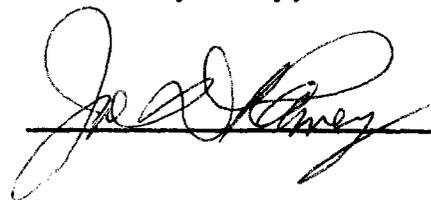
Gentlemen:

I have examined the application dated \_\_\_\_\_  
for the Skelton Oil Co. State #1-J 2-14-37  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K. for injection provided it is through coated tubing below a packer, not  
down casing as requested---J.D.R.

Yours very truly,



*4/21/75. Called Skelton. Discussed. They say  
are you sure it is OK to put well through casing  
and, if satisfactory, will then...  
and, if satisfactory, will then...*

OIL CONSERVATION COMMISSION  
Hobbs DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE April 17, 1975

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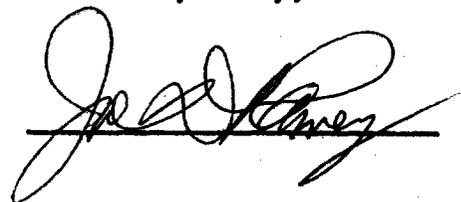
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and my recommendations are as follows:

O.K. for injection provided it is through coated tubing below a packer, not  
down casing as requested---J.D.R.

Yours very truly,



4/21/75: I called Skelton on this. They say  
Joe gave them an O.K. to test well through casing  
and, if satisfactory, will then run tubing. cu