



*File 2849*

# SKELLY OIL COMPANY

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P. O. Box 1650  
**TULSA 2, OKLAHOMA**

**PRODUCTION DEPARTMENT**

C. L. BLACKSHER, VICE PRESIDENT  
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ROBERT G. HILTZ, MGR. JOINT OPERATIONS  
GEORGE W. SELINGER, MGR. CONSERVATION

May 27, 1963

Subject: East Bisti Unit  
San Juan County, New Mexico

Mr. A. L. Porter, Jr., Director  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Mr. Porter:

We are enclosing original and three copies each of two applications pertaining to the East Bisti Area, San Juan County, New Mexico. The first application is for approval of the East Bisti Unit Agreement, and we are enclosing two copies of the Unit Agreement along with corrected Exhibits "B" and "C" to said Unit Agreement. The other application is for authority to inject fluid for secondary recovery in the East Bisti Unit Area. Attached to that application are two copies of "Exhibit 2", a map indicating the proposed injection wells, the wells, and lessees within a two-mile radius of said injection wells.

We would appreciate your setting these applications for Examiner Hearing the second week of July, which according to our calculations should be either July 10th or 11th, 1963.

For your information and use, we are also attaching a list of working interest owners within the East Bisti Unit and their addresses.

Yours very truly,

RJJ:br

cc-Mr. L. C. White w/ attach.  
Gilbert, White and Gilbert  
Santa Fe, New Mexico

**DOCKET MAILED**

*6-28-63*  
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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION OF )  
 SKELLY OIL COMPANY FOR AUTHORITY TO )  
 INJECT FLUID INTO THE GALLUP FORMATION )  
 IN THE BISTI, LOWER GALLUP FIELD, SAN )  
 JUAN COUNTY, NEW MEXICO. )

CASE 2849  
 FILED 1957  
 HEARING 11 10 57

A P P L I C A T I O N

Comes now Skelly Oil Company on behalf of itself and others and respectfully states as follows:

1. That it is an owner and operator of oil and gas wells in the Bisti, Lower Gallup Field, San Juan County, New Mexico.

2. That it desires to conduct secondary recovery operations in this field by injecting fluids into the Gallup Sand formation, which formation shall be described and construed to mean the formation and reservoir encountered in the drilling by Standard Oil Company of Texas in its Federal 9 Lease Well No. 12-1 between the depths of 5,260 feet and 5,845 feet as shown by the electric log of said well, which well is located in the SE/4 of the NE/4 of Section 12, Township 24 North, Range 10 West, San Juan County, New Mexico.

3. That applicant proposes to conduct secondary recovery operations by injection of fluids into the Gallup Sand formation, above described, in an area known as the East Bisti Unit, which unit consists of portions of Sections 14 thru 16, 21 thru 28, and 34 thru 36, Township 25 North, Range 11 West, Sections 19, and 27 thru 36, Township 25 North, Range 10 West, Sections 1 thru 5 and 9 thru 13, Township 24 North, Range 10 West, and Sections 5 thru 8, 17, and 18, Township 24 North, Range 9 West, San Juan County, New Mexico, containing an area of 17,811.79 acres, more or less, which area is more specifically set out on a map entitled "Exhibit 2" attached hereto and made a part hereof by reference.

4. That initially applicant proposes to inject fluid into 34 wells as follows:

<u>Well</u>	<u>Location</u>
Shell Oil Co., Mudge 6 No. 12-16	Unit E, Sec. 16-25N-11W
" " 14-16	" <del>X</del> , Sec. 16-25N-11W
" " 23-16	" <del>M</del> , Sec. 16-25N-11W
Gulf Oil Corp., Tah-Nez-Bah No. 1	" I, Sec. 21-25N-11W
Mobil Oil Co., Ah-Nus-Bah No. 1	" K, Sec. 22-25N-11W
Sun Oil Co., Ka-Na-Pah No. 2	" B, Sec. 22-25N-11W
Texas Co., Navajo "O" No. 1	" O, Sec. 15-25N-11W
Sunray DX Oil Co., Es-Ka-Nel-E-Wood No. 2	" O, Sec. 22-25N-11W
Sun Oil Co., Ko-Sa No. 2	" <del>F</del> , Sec. 23-25N-11W
Mobil Oil Co., Ken-No-To No. 1	" A, Sec. 26-25N-11W
Gulf Oil Corp., Carson Federal No. 3	" M, Sec. 24-25N-11W
" " " No. 4	" K, Sec. 24-25N-11W
" " " No. 5	" G, Sec. 24-25N-11W
Sun Oil Co., H. Begay No. 1	" L, Sec. 25-25N-11W
Gulf Oil Corp., Carson Federal No. 2	" M, Sec. 30-25N-11W
Skelly Oil Co., Lockhart "A" No. 1	" A, Sec. 31-25N-10W
Sunray DX Oil Co., N. Eaton No. 1	" P, Sec. 30-25N-10W
El Paso Natural Gas Products Co., Brookhaven "A" No. 5	" E, Sec. 29-25N-10W
" Irish No. 1	" F, Sec. 32-25N-10W
Humble Oil & Ref. Co., State AY No. 2	" P, Sec. 32-25N-10W
Amerada Pet. Corp., Ye-Na-Pah-White No. 1	" C, Sec. 4-24N-10W
Skelly Oil Co., L. E. Lockhart No. 1	" O, Sec. 33-25N-10W
" " " No. 2	" I, Sec. 33-25N-10W
Monsanto Chemical Co., Atlas No. 2	" E, Sec. 34-25N-10W
El Paso Natural Gas Products Co., Moss No. 4	" P, Sec. 3-24N-10W
Pan American Pet. Corp., State AW No. 1	" L, Sec. 2-24N-10W
Humble Oil & Ref. Co., State AZ No. 2	" F, Sec. 2-24N-10W
" " " , Bisti Oil Unit No. 1	" B, Sec. 2-24N-10W

<u>Well</u>	<u>Location</u>
The California Co., Federal "9" No. 12-4	Unit F, Sec. 12-24N-10W
" " " No. 12-2	" B, Sec. 12-24N-10W
" " " No. 1-4	" P, Sec. 1-24N-10W
" " "7" No. 7-3	" F, Sec. 7-24N-9W
" " " No. 7-6	" H, Sec. 7-24N-9W
" " " No. 8-2	" N, Sec. 8-24N-9W

San Juan County, New Mexico. These wells are shown on a map marked "Exhibit 2" above referred to, and further applicant may in the future desire to expand the secondary recovery project to include other wells within the unit area.

5. That attached hereto is a map marked "Exhibit 2" which shows the proposed injection wells and the location of all wells and leases within the limits of the field or a two-mile radius of said proposed injection wells.

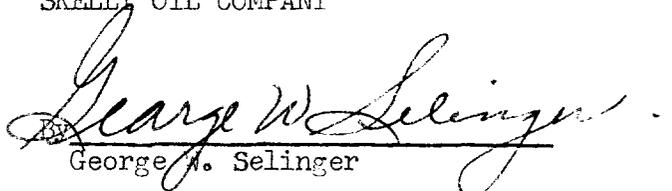
6. That applicant proposes to use as a primary source of injection fluids water from the Allison-Menefee formation present in the area at approximately 3200 feet, or the Ojo Alamo present in the area at approximately 700 feet, and may supplement said water with produced water from the Gallup Sand formation as the flood progresses. Applicant proposes to inject between 23,000 barrels and 30,000 barrels of water per day.

7. That applicant will file at the time of the hearing such data as are required by Rule 701-B of the Commission's general rules and regulations, such as logs of the proposed injection wells, a description of the proposed injection wells' casing program and/or diagrammatic sketches with pertinent data.

WHEREFORE, PREMISES CONSIDERED, applicant prays that this Commission, after the giving of notice as required by law, set this application down for hearing and that at the conclusion of said hearing based on the evidence produced, that it issue an order authorizing applicant to inject fluid and conduct secondary recovery operations within the East Bisti Unit by authorizing the injection of water into 34 wells in the unit area, provide for the expansion of the secondary recovery project without the necessity of further hearings, and other rules and regulations, and orders as may be necessary in the premises.

Respectfully submitted,

SKELLY OIL COMPANY

  
George W. Selinger

By   
Ronald J. Jacobs  
Its Attorneys

Of Counsel  
L. C. White  
Gilbert, White and Gilbert  
Santa Fe, New Mexico

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION OF SKELLY)  
OIL COMPANY FOR AUTHORITY TO INJECT FLUID )  
INTO THE GALLUP FORMATION IN THE BISTI, )  
LOWER GALLUP FIELD, SAN JUAN COUNTY, )  
NEW MEXICO )

CASE \_\_\_\_\_  
FILED \_\_\_\_\_  
HEARING \_\_\_\_\_

AMENDMENT TO APPLICATION

Comes now Skelly Oil Company on behalf of itself and others and respectfully states as follows:

1. That on or about May 27, 1963, it filed an application for permission to inject fluid into the Gallup Formation in the Bisti, Lower Gallup Field, San Juan County, New Mexico.

2. That in Paragraph 4 of said application applicant listed 34 wells for which permission to inject water is sought. That while the list of the wells is correct, the unit designation for three of the wells so listed is not correct, and that the three wells are as follows:

- Shell Oil Company, Mudge 6 No. 14-16
- " " " , Mudge 6 No. 23-16
- Sun Oil Company, Ko-Sa No. 2

3. That the proper location for these wells is as follows:

- |                                  |                         |
|----------------------------------|-------------------------|
| Shell Oil Co., Mudge 6 No. 14-16 | Unit M, Sec. 16-25N-11W |
| " " " , Mudge 6 No. 23-16        | Unit K, Sec. 16-25N-11W |
| Sun Oil Co., Ko-Sa No. 2         | Unit N, Sec. 23-25N-11W |

WHEREFORE, PREMISES CONSIDERED, applicant prays that its application in this case be amended so as to correctly reflect the locations of the previously mentioned wells.

Respectfully submitted,

SKELLY OIL COMPANY

By George W. Selinger  
George W. Selinger

By Ronald J. Jacobs  
Ronald J. Jacobs  
Its Attorneys

Of Counsel  
L. C. White  
Gilbert, White and Gilbert  
Santa Fe, New Mexico