

CERTIFIED PROFESSIONAL GEOLOGIST
A.I.P.G. NO. 1204

LAND SURVEYOR — STATE OF
NEW MEXICO CERTIFICATE NO. 963

VILAS P. SHELDON
801 WEST TEXAS
ARTESIA, NEW MEXICO

ABERDEEN ANGUS CATTLE
HERD AND FARMS
OTOE, NEBRASKA

RESIDENTIAL RENTALS — ARTESIA

September 12, 1969

Mr. A. L. Porter
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

Dear Sir,

We would appreciate your setting a date for a hearing to consider an application by Resler and Sheldon for authority to conduct a pilot water flood in a portion of the Langlie Mattix Pool.

We are attaching

1. Plat of area showing location of the two proposed injection wells, the location of all wells within two miles, the pay said wells are producing from, and the oil lessees within the two mile radius.
2. Sketch of the injection wells as required by Rule 701 B-3
3. Gamma Neutron logs of the proposed injection wells
4. Copies of the injection facility layouts for the Skelly Myers Langlie Mattix Unit and for the Skelly Penrose "C" Unit.

The Resler and Sheldon leases are not committed in or to either the Myers Langlie Mattix or the Penrose "C" water flood units.

^{Sec 20}
The Steeler injection well (section 20) will introduce water into the Penrose (Lower Queen) sand and will complement the injection pattern of both nearby floods. We propose to inject five hundred barrels daily of oil field brine water obtained from the Resler and Sheldon Steeler Salt Water disposal system. The water is obtained from tank truckers.

^{Sec 16}
The Kelly injection well (section 16) will introduce water into the Grayburg formation. It will complement the Penrose "C" Unit injection plan albeit a slight alteration. We will inject an anticipated five hundred barrels daily of oil field brine obtained from tank trucks. Later it is anticipated that pressured water will be purchased from the Skelly Penrose "C" Unit.

DOCKET MAILED

Yours sincerely,

DOCKET MAILED

Date 10-9-69

Date 9-26-69

Vilas P. Sheldon

NEW MEXICO OIL CONSERVATION COMMISSION Case 4223
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Resler and Sheldon		ADDRESS 314 Carper Bldg. Artesia, New Mexico 88210	
LEASE NAME Kelly	WELL NO. 3	FIELD	COUNTY Lea
LOCATION UNIT LETTER M ; WELL IS LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 16 TOWNSHIP 23S RANGE 37E NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	10 3/4	1107	Circulated
INTERMEDIATE			
LONG STRING	7	3627	600
TUBING	2	3540	None
NAME OF PROPOSED INJECTION FORMATION Grayburg ✓		TOP OF FORMATION 3542	BOTTOM OF FORMATION still in @ T.D.
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? casing		PERFORATIONS OR OPEN HOLE? perforations	PROPOSED INTERVAL(S) OF INJECTION 3555 - 3617
IS THIS A NEW WELL DRILLED FOR DISPOSAL? no	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? oil producer		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? no
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 3555-68, 3581-88, 3609-17			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA above 1107 feet		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA Queen 3500 feet	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA Blinberry 5400 feet
ANTICIPATED DAILY INJECTION VOLUME (BBLs.)	MINIMUM 100	MAXIMUM 2000	OPEN OR CLOSED TYPE SYSTEM open
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 -		WATER TO BE DISPOSED OF yes	IS INJECTION TO BE BY GRAVITY OR PRESSURE? gravity
		NATURAL WATER IN DISPOSAL ZONE yes	ARE WATER ANALYSES ATTACHED? no
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) State of New Mexico Resler and Sheldon			
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			
Texaco, Inc. P.O. Box 3109 Midland, Texas 79701		Solar Oil Co. P.O. Box 5596 Midland, Tex.	
Samedan Oil Corp. P.O. Box 190 Hobbs, New Mexico 88240		Southwest Production Co 3108 Southland Center, Dallas, Tex 75201	
Skelly Oil Co. P.O. Box 730 Hobbs, New Mexico 88240		Cornell Oil Co 4616 Greenville Ave Dallas, Texas 75206	
Gulf Oil Corp. P.O. Box 980 Kermit, Texas 79745		Alan Drilling Co 807 Oil & Gas Bldg. Wchita Falls, Texas	
Tom Brown Drlg Co. P.O. Box 5706 Midland, Texas 79701			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL yes
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA yes		THE NEW MEXICO STATE ENGINEER no
	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)

Co-owner

(Title)

September 12, 1969

(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.