VILAS P. SHELDON
801 WEST TEXAS
ARTESIA, NEW MEXICO

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

LAND SURVEYOR — STATE OF
NEW MEXICO CERTIFICATE NO. 963

ABERDEEN ANGUS CATTLE
HERD AND FARMS
OTOE, NEBRASKA

RESIDENTIAL RENTALS — ARTESIA

MAY 5 AM 8 0

102

Oil Conservation Commission
Sant Fe, New Mexico

Gentlemen,

Attached is form C-108 together with stipulated exhibits requesting approval, by administrative action, for the conversion of a shut-in oil well into a salt water disposal well.

We have attempted to comply with rule 701 sub sections B and C, are the required data and exhibits are enclosed. Copies of the application are this day being mailed to the surface owner and to all offset operatdrs within one half mile of the well.

In addition we would like to make a statement concerning the Teague Grayburg pool. Reäler and Sheldon completed two wells in the Grayburg formation. These wells were never offset. Something less than 20,000 barrels of oil was recovered from the Grayburg- the actual figure being a bit doubtful as some oil probably came from the Queen. The well in application has been shut in for several years. Tt produces water from the Grayburg and practically no gas from the Queen. The other Teague Grayburg completion (May B #1) produces a slight amount of oil and gas from the Queen (Langlie Mattix) but is not capable of producing any oil or gas from the Grayburg.

Conversion of the subject well into a Salt Water Disposal well will not affect the Grayburg yield. This well is over two miles from any well producing or capable of producing oil or gas from the Grayburg formation.

Yours very truly,

Resler and Sheldon

by Vilas P. Sheldon

VILAS P. SHELDON
801 WEST TEXAS
ARTESIA, NEW MEXICO

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

LAND SURVEYOR — STATE OF
NEW MEXICO CERTIFICATE NO. 963

ABERDEEN ANGUS CATTLE
HERD AND FARMS
OTOE, NEBRASKA

RESIDENTIAL RENTALS — ARTESIA

Oil Conservation Commission
Sant Fe, New Mexico

Gentlemen,

Attached is form C-108 together with stipulated exhibits requesting approval, by administrative action, for the conversion of a shut-in oil well into a salt water disposal well.

We have attempted to comply with rule 701 sub sections B and C, are the required data and exhibits are enclosed. Copies of the application are this day being mailed to the surface owner and to all offset operators within one half mile of the well.

In addition we would like to make a statement concerning the Teague Grayburg pool. Resler and Sheldon completed two wells in the Grayburg formation. These wells were never offset. Something less than 20,000 barrels of oil was recovered from the Grayburg- the actual figure being a bit doubtful as some oil probably came from the Queen. The well in application has been shut in for several years. Tt produces water from the Grayburg and practically no gas from the Queen. The other Teague Grayburg completion (May B #1) produces a slight amount of oil and gas from the Queen (Langlie Mattix) but is not capable of producing any oil or gas from the Grayburg.

Conversion of the subject well into a Salt Water Disposal well will not affect the Grayburg yield. This well is over two miles from any well producing or capable of producing oil or gas from the Grayburg formation.

Yours very truly,

Resler and Sheldon

by Vilas P. Sheldon

Form C-108
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR	ADDRESS
Resler and Sheldon	314 Carper Bldg. Artesia, N.M. 88210

LEASE NAME	WELL NO.	FIELD	COUNTY
Steeler	1	Teague Grayburg	Lea

LOCATION

UNIT LETTER I ; WELL IS LOCATED 1980 FEET FROM THE south LINE AND 660 FEET FROM THE east LINE, SECTION 20 TOWNSHIP 23S RANGE 37E NMPM.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8 5/8	261	200	Surface	Observation
INTERMEDIATE Long	5 1/2	3690	400	2400	CAlculated
LONG STRING					
TUBING 2 EUE	2"	3570	NAME, MODEL AND DEPTH OF TUBING PACKER: Baker Model A Tension at 3570		

NAME OF PROPOSED INJECTION FORMATION	TOP OF FORMATION	BOTTOM OF FORMATION
Graybung	3607	3690

IS INJECTION THROUGH TUBING, CASING, OR ANNULUS?	PERFORATIONS OR OPEN HOLE?	PROPOSED INTERVAL(S) OF INJECTION
Tubing	Perforations	3681-89

IS THIS A NEW WELL DRILLED FOR DISPOSAL?	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?	HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE?
No	oil and gas	Yes

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

3439-49,3456-62,3470-77,3485-93,3502-15,3526-28,3531-62

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
1068 (Top Anhydrire)	3562 Queen	5410 ##### Blinebry

ANTICIPATED DAILY INJECTION VOLUME (BBLS.) MINIMUM	MAXIMUM	OPEN OR CLOSED TYPE SYSTEM	IS INJECTION TO BE BY GRAVITY OR PRESSURE?	APPROX. PRESSURE (PSI)
200 bbl	500 bbl	Open	Gravity initially	500

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	NATURAL WATER IN DISPOSAL ZONE	ARE WATER ANALYSES ATTACHED?
	Yes	Yes	No

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

Bert Steeler Eunice, New Mexico 88231

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (½) MILE OF THIS INJECTION WELL

Skelly Oil Company P.O. Box 730 Hobbs ,N.M. 88240
Gulf Oil Corp. P.O. Box 980 Kermit, Texas 79745
Tom Brown Drilling Co. P.O. Box 5706 Midland Texas
Solar Oil Co. P.O. Box 5596 Midland, Texas
James W. Rasmussen 303 Petroleum Life Bldg. Midland. Texas

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	THE NEW MEXICO STATE ENGINEER
	Yes	Yes	No

ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA	ELECTRICAL LOG	DIAGRAMMATIC SKETCH OF WELL
	Yes	Yes	Yes

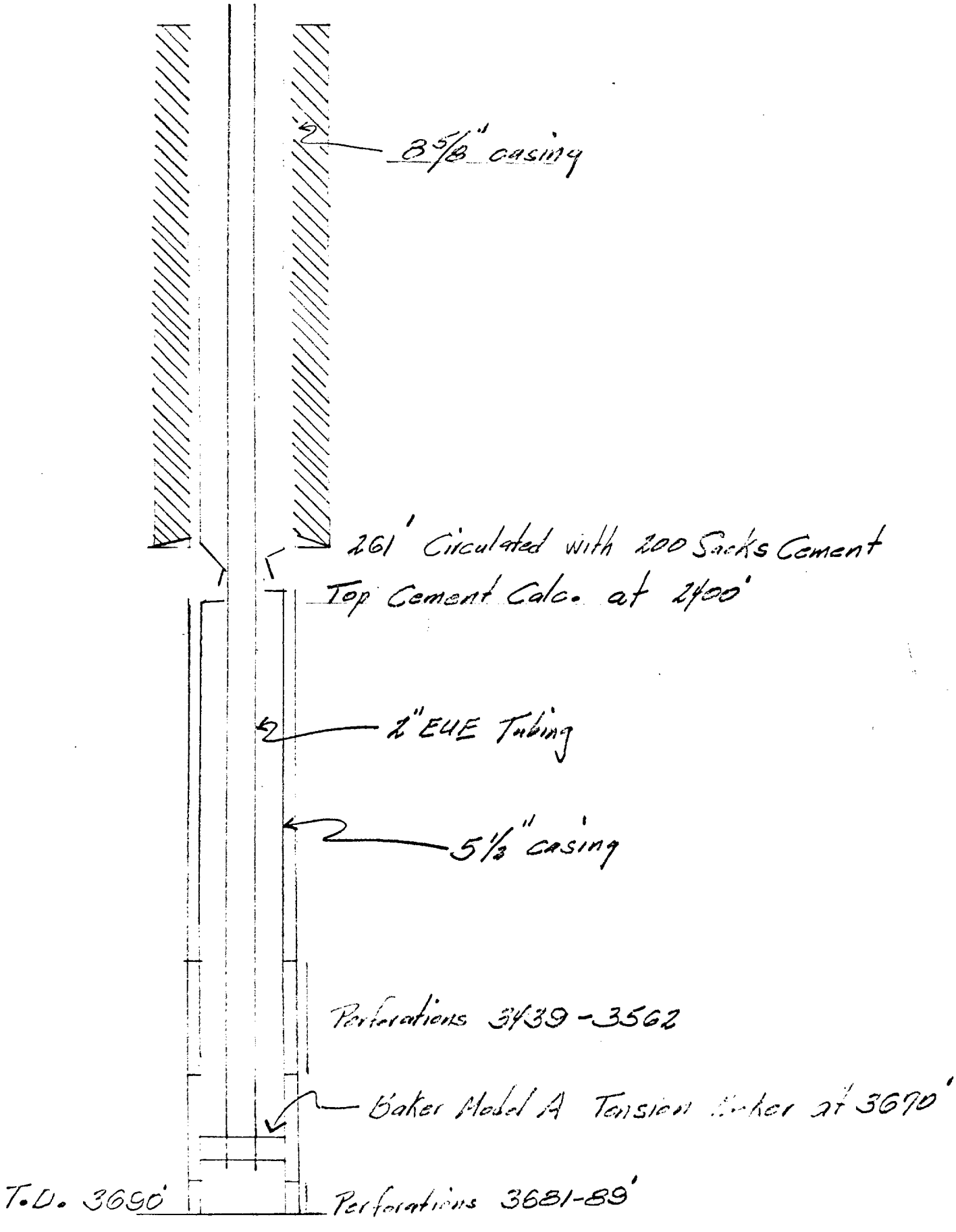
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

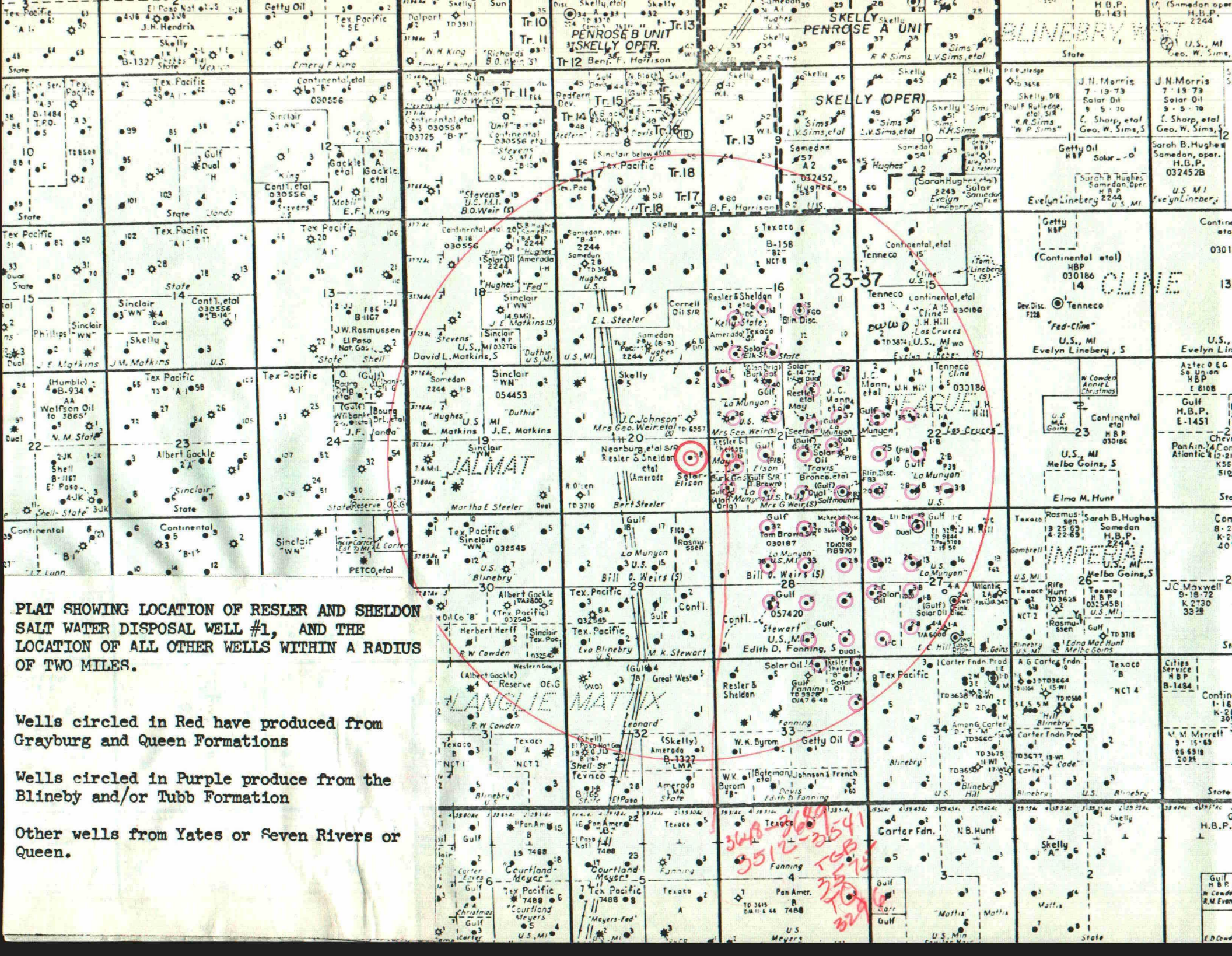
Silas P. Sheldon — Owner — 5-5-69

(Signature) (Title) (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 Resler and Sheldon Proposed Salt Water Disposal
Well Steeler #1 Section 20 T.23S R.37E. Lea County.





PLAT SHOWING LOCATION OF RESLER AND SHELDON SALT WATER DISPOSAL WELL #1, AND THE LOCATION OF ALL OTHER WELLS WITHIN A RADIUS OF TWO MILES.

Wells circled in Red have produced from Grayburg and Queen Formations

Wells circled in Purple produce from the Blineby and/or Tubb Formation

Other wells from Yates or Seven Rivers or Queen.

Data prepared by: T. G. Kelliher, Jr.
Affiliation: Gulf Oil Corporation
Date: Aug. 25, 1960

Field Name: Teague Grayburg
Location: T.23S., R. 37 E.
County & State: Lea Co., N. Mex.

DISCOVERY WELL: Resler & Sheldon #1 Steeler "B" COMPLETION DATE: May 16, 1957
PAY ZONE: Grayburg: Fine crystalline to dense brown dolomite with the productive zones highly oolitic.

TYPICAL CORE ANALYSIS OF A PAY INTERVAL IN THIS FIELD: None Available

Perm. in millidarcys		% Porosity	Liquid Saturation (% of pore space)	
Horizontal	Vertical		Water	Oil

OTHER SHOWS ENCOUNTERED IN THIS FIELD: Langlie-Mattix Gas and Oil; Teague Devonian; Teague McKee; Teague Ellenburger.

TRAP TYPE: Anticlinal Structure
NATURE OF OIL: Gravity 38°-39° API
NATURE OF GAS: Sour
NATURE OF PRODUCING ZONE WATER: Not Available Resistivity: ohm-meters @ °F.

	Total Solids	Na+K	Ca	Mg	Fe	SO_4	Cl	CO_2	HCO_3	OH	H_2S
ppm											

INITIAL FIELD PRESSURE: Not Available
TYPE OF DRIVE: Solution Gas Drive
NORMAL COMPLETION PRACTICES: From casing perforations after acid and sand fracture treatment.

PRODUCTION DATA:

Year	Type	No. of wells @ yr. end: Producing	No. of wells @ yr. end: Shut in or Abnd.	Production Oil in barrels Gas in MMCF: Annual	Production Oil in barrels Gas in MMCF: Cumulative
1956	oil				
	gas				
1957	oil	2		8,754	8,754
	gas			17,114	17,114
1958	oil	2		5,007	10,638
	gas			26,182	43,296
1959	oil	2		4,453	15,091
	gas			164,267	207,563
1960*	oil	2		846	15,937
	gas			52,943	260,506

* 1960 Figure is production to July 1, 1960.