

Case 2604

Revised 9 16 58

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

APPLICATION  
TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION  
~~NOT~~ PRODUCTIVE OF OIL ~~OR~~ GAS  
and

Operator Sunray DX Oil Company Address P. O. Box 128, Hobbs, New Mexico  
Lease Nancy Watson Well No. 2 County Lea  
Unit K Section 31 Township 8 S Range 34 E

This is an application to dispose of salt water produced from the following pool (s):  
CLR

Name of Injection Formation(s): San Andres  
Top of injection zone: Top San Andres 3847' SA not drilled thru  
Top Perf. 4582' Bottom of injection zone: Bottom perf. 4614'  
Give operator, lease, well no., and location of any other well in this area using this same  
zone for disposal purposes: None

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	Top of Cement
Surface	8-5/8"	356'	200	Circulated
Intermediate	None			
Long String	4-1/2"	4658'	250	3770'

Will injection be through tubing, casing, or annulus? Tubing

Size tubing: 2-3/8" Setting depth: 4555' Packer set at: 4550'

Name and Model No. of packer: Baker Model A Tension Packer

Will injection be through perforations or open hole? Perforations

Proposed interval(s) of injection: 4582'-89', 4592'-95', 4599'-4601', 4610'-14'

Well was originally drilled for what purpose? San Andres Oil Producer \*

Has well ever been perforated in any zone other than the proposed injection zone? Yes

List all such perforated intervals and sacks of cement used to seal off or squeeze each:  
4635'-42' squeezed with 115 sx. cement - water

Give depth of bottom of next higher zone which produces oil or gas: None \*\*

Give depth of top of next lower zone which produces oil or gas: None \*\*

Give depth of bottom of deepest fresh water zone in area: Above red bed @ about 350'

Expected volume of salt water to be injected daily (barrels): 240

Will injection be by gravity or pump pressure? gravity Estimated pressure: vacuum

Is system open or close type? closed Is filtration or chemical treatment necessary? no

\* This well was originally drilled for a San Andres oil producer but ~~is~~ after extensive treatment and testing only produces 1 1/2 bbls. of oil per day with 11 bbls. of salt water per day.  
\*\* Nancy Watson No. 1, offset well is only other producer in this area and it produces 40 BOPD and 249 BWPD from the section proposed for injection in this well.

Is the water to be disposed of mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

Is any water occurring naturally within the proposed disposal formation mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

List all offset operators to the lease on which this well is located and their mailing address

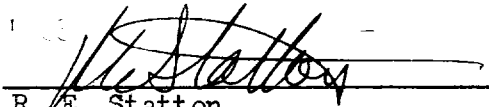
- Mc Alester Fuel Company, Box 608, Lovington, New Mexico
- Atlantic Refining Company, Box 1978, Roswell, New Mexico
- Shell Oil Company, Box 1858, Roswell, New Mexico
- Ohio Oil Company, Box 2107, Hobbs, New Mexico

Name and address of surface owner Paul Davis and Thomas E. Davis, Jr. m Milnesand, New Mexico

Have copies of this application been sent by registered mail or given to all offset operators, surface owners, and to the New Mexico State Engineer? Yes

Is a complete electrical log of this well attached? Yes

Operator: Sunray DA Oil Company

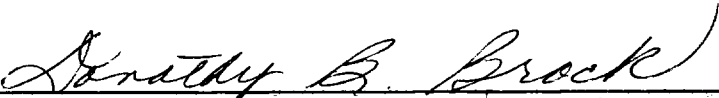
By:   
R. E. Statton

Title: District Engineer

STATE OF New Mexico )  
 ) ss.  
County of Lea )

BEFORE ME, The undersigned authority, on this day personally appeared R. E. Statton known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct.

SUBSCRIBED AND SWORN TO before me this the 3rd day of July, 19 62.

  
Notary Public in and for the County of Lea

MY COMMISSION EXPIRES MAY 27, 1964  
My Commission Expires

NOTE: Should waivers from all offset operators, the surface owner, and the State Engineer not accompany an application, the New Mexico Oil Conservation Commission will hold the application for a period of fifteen (15) days from date of receipt by the Commission's Santa Fe office. If at the end of said fifteen-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.