

# Sunray DX Oil Company

P. O. Box 128  
Hobbs, New Mexico



July 3, 1962

Re: Application To Dispose Of  
Salt Water Into The San  
Andres Formation (4582'-  
4614') Of Sunray DX Oil  
Company, Nancy Watson No. 2  
Located In Unit "K", Section  
31, T-8-S, R-34-E, Roosevelt  
County, New Mexico

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Gentlemen:

Please find attached an application to dispose of salt water in subject well along with a schematic diagram and log of subject well.

If possible we would like to receive administrative approval of this application. There is only one producing well within several miles of subject well, that being our Nancy Watson No. 1 which produces 40 barrels of oil per day and 240 barrels of water per day. The No. 1 producing zone is equivalent to the proposed injection zone in No. 2.

If administrative approval cannot be given please advise what date a hearing will be scheduled.

Sincerely yours

Sunray DX Oil Company

By:   
R. E. Statton

cc: NMOCC Hobbs, N.M. ✓  
V. L. Smith  
Dave Probst, Tulsa  
File

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

APPLICATION 1962 JUL 15 AM 8:33

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

Operator Sunray Dr. Oil Company Address P. O. Box 128, Hobbs, New Mexico

Lease Nancy Watson Well No. 2 County Lea

Unit K Section 31 Township 8 3 Range 34 2

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

CLB

Name of Injection Formation(s): San Andres

Top of injection zone: Top San Andres 3847' Bottom of injection zone: SA not drilled thru 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 ~~it~~ 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 240 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
- Chile Oil Company, Box 2107, Fort, New Mexico

Name and address of surface owner Paul Davis and Thomas L. Davis, Jr., Albuquerque, 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: Henry B. Brock

By: [Signature]

Title: Trust Operator

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

BEFORE ME, The undersigned authority, on this day personally appeared Paul Davis 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.

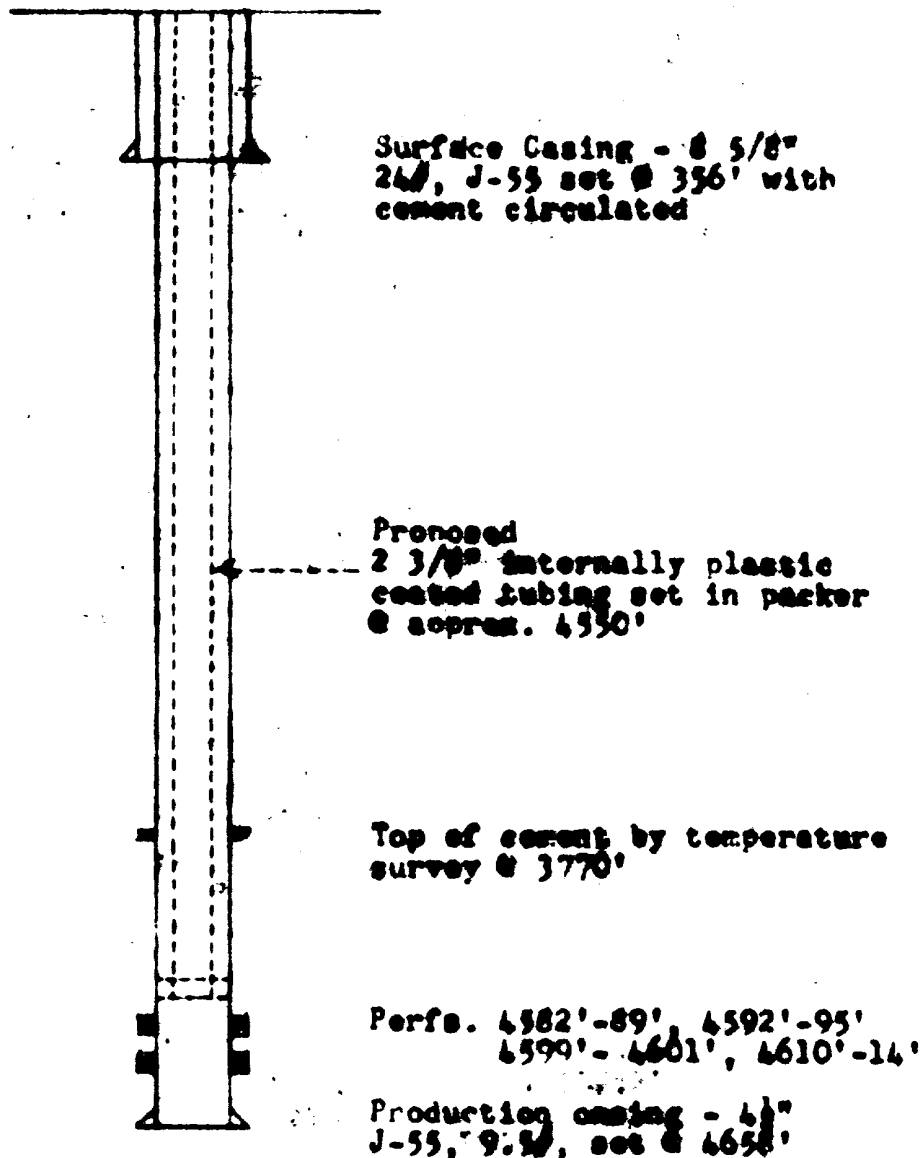
SUBSCRIBED AND SWORN TO before me this the 3rd day of July, 19 62.

[Signature]  
Notary Public in and for the County of Lea

MY COMMISSION EXPIRES MAY 27, 1964  
My Commission Expires

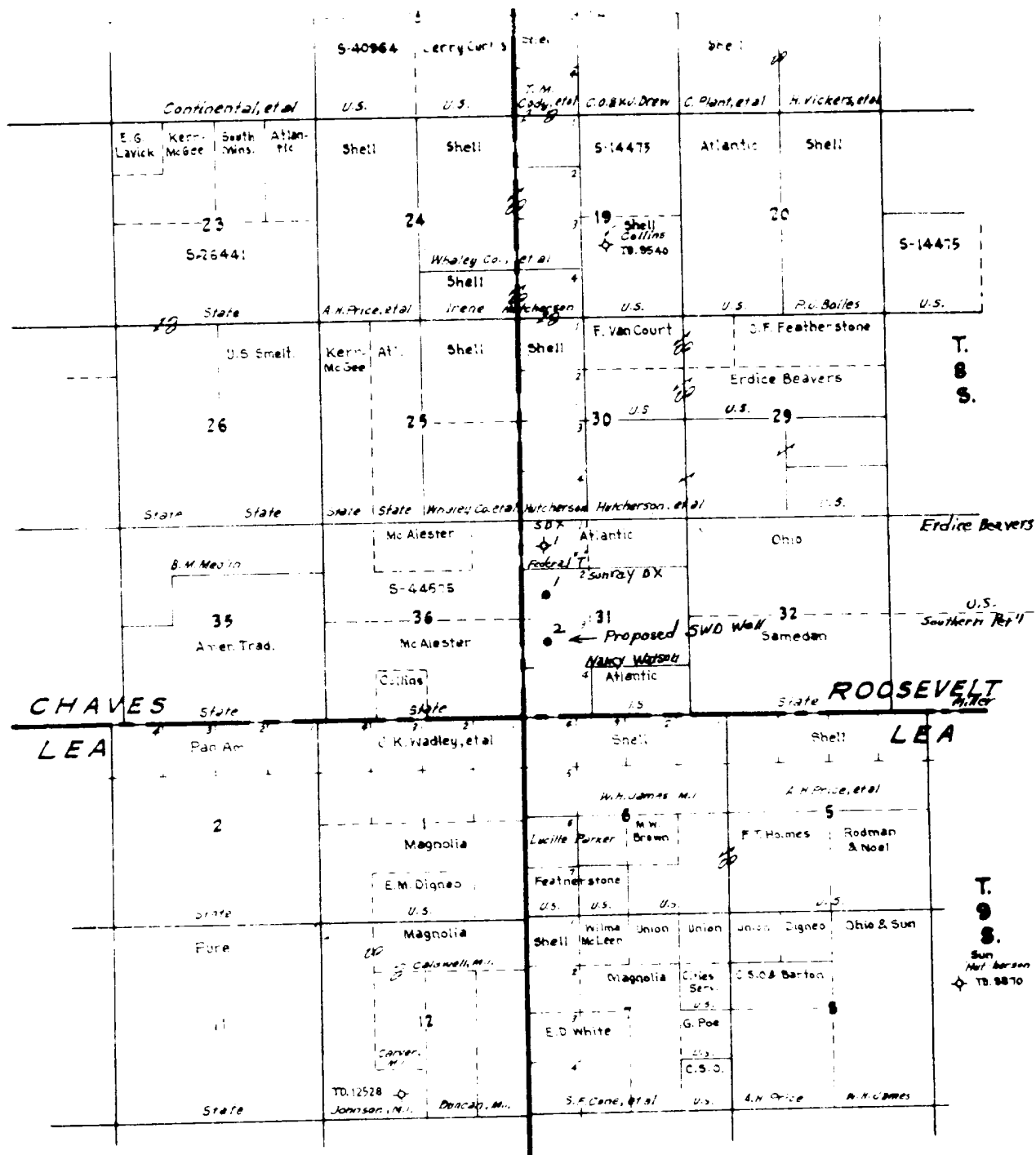
NOTE: Should waivers from all offset operators, the surface owner, and the State Engineer not accompany an application, the New Mexico Oil Conservation Commission will hold the application for a period of fifteen (15) days from date of receipt by the Commission's Santa Fe office. If at the end of said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

Diagrammatic Sketch of Sunray D X Oil Company's  
Nancy Watson no. 2 located in unit K, sec. 31  
T8S, R34E, Roosevelt County, New Mexico



R-33-E

R-34-E



Note: The wells in sec. 31 T8S R34E are completed in the San Andres.

PRODUCING FORMATION		SUNRAY MID-CONTINENT OIL CO.		PRODUCING LEASES	
NAME	AVERAGE DEPTH	FIELD:			
		DISTRICT:	GROUP:		
		COUNTY:	ROOSEVELT	STATE:	N. MEX.
		SCALE			
		4000	2000	0	2000 4000 8000
		FEET			