

THE APPLICATION OF UNION TEXAS PETROLEUM
FOR A SALT WATER DISPOSAL WELL.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Union Texas Petroleum made application to the New Mexico Oil Conservation Division on April 7, 1983, for permission to complete for salt water disposal its Heidel Well No. 1 located in Unit J of Section 1, Township 14 South, Range 37 East, NMPM, Lea County, New Mexico.

The Division Director finds:

- (1) That application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) That satisfactory information has been provided that all offset operators and surface owners have been duly notified; and
- (3) That production casing was never set in this well. That a 9 5/8-inch stub is set at 1473 feet with a 25 sack cement plug set across the stub. That the applicant, Union Texas Petroleum, proposes to tie back into this stub with 9 5/8-inch 36# casing set at 4642 feet and cement the casing to the surface using a DV tool. That the applicant further proposes to set 5 1/2 inch casing, should the 9 5/8-inch casing fail a pressure test of at least 1000 psi. That the applicant proposes to drill out and clean to a depth of 6800 feet and set a 25 sack cement plug at 6800 feet, the base of the Glorieta. That a 2 7/8-inch internally plastic coated tubing and a packer will be set at 4600 feet. That produced water will be injected into an open hole from 4661 feet to 6750 feet.
- (4) That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.
- (5) That no objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Union Texas Petroleum is hereby authorized to complete its Heidel Well No. 1, located in Unit J of Section 1, Township 14 South, Range 37 East, NMPM, Lea

County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the San Andres and Glorieta formations at approximately 4661 feet to approximately 6750 feet through 2 7/8 inch plastic lined tubing set in a packer located at approximately 4660 feet.

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface. That such steps shall include pressure testing to at least 1000 psi the 9 5/8" cemented casing set at 4642 feet. Further, should said pressure test fail, the operator shall set 5 1/2 inch casing at said 9 5/8-inch casing depth and cement to surface. Also, the operator shall place a cement plug at the base of the Glorieta (at 6800 feet) formation sufficient enough to prevent migration of injected waters beyond this depth.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That the injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 932 psi.

That the Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the San Andres and Glorieta formations. Such proper showing constitutes a valid step-rate test acceptable to the Division office.

That the operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

That the operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER, That jurisdiction of this cause is hereby retained by the Division for such further order or orders as may

seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Division may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 7th day of April, 1983.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JOE D. RAMEY,
Division Director

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