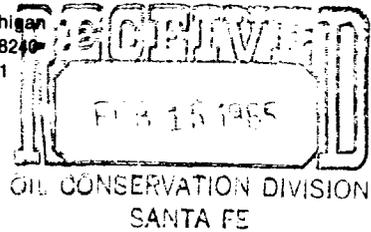




Production Department
Hobbs Division
North American Production

Conoco Inc.
P.O. Box 460
726 East Michigan
Hobbs, NM 88240
(505) 393-4141



February 13, 1985

New Mexico Oil Conservation Division
Department of Energy and Minerals
P.O. Box 2088
Santa Fe, New Mexico 87501

Case 8527

Attention Mr. Gilbert Quintana

Gentlemen:

Request for Hearing - Convert to SWD Conoco Inc.'s Marshall Well No. 2 or
In the Alternative Its Marshall Well No. 1, Lea County, New Mexico

Attached are three (3) copies of the subject Application for Examiner Hearing. Please schedule this matter on the first available examiner docket. A copy of this Application is being sent by certified mail to all known owners of the surface and leasehold owners within one-half mile of these wells. A notice is also being placed in the Hobbs News Sun daily newspaper, copy attached.

Yours very truly,

H. A. Ingram
Conservation Coordinator

:mjs

Attachments

cc: ELM - Carlsbad
W. H. Brinninstool - Jal
Tom Kellahin - Santa Fe
V. T. Lyon - Houston
NMCCD - Hobbs

BEFORE THE OIL CONSERVATION DIVISION
ENERGY AND MINERALS DEPARTMENT
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF CONOCO INC. FOR APPROVAL TO CONVERT ITS MARSHALL WELL NO. 2 LOCATED IN UNIT K, SECTION 19, T-23-S, R-33-E, LEA COUNTY, NEW MEXICO, FROM A SHUT-IN OIL WELL TO A SALT-WATER DISPOSAL WELL, CRUZ DELAWARE POOL, OR IN THE ALTERNATIVE TO CONVERT ITS MARSHALL WELL NO. 1 LOCATED IN UNIT M, SAME SECTION, FROM A SHUT-IN WELL TO A SALTWATER DISPOSAL WELL, SAME POOL.

A P P L I C A T I O N

Case 87-27

Applicant, CONOCO INC., respectfully requests authority to convert from a shut-in oil well in the Cruz Delaware Pool to an active saltwater disposal well in the same pool, its Marshall Well No. 2, located 1980' FSL and 1910' FWL of Section 19, T-23-S, R-33-E, Lea County, New Mexico, or in the alternative to convert from a shut-in oil well to a saltwater disposal well, same pool, its Marshall Well No. 1 located 660' FSL and 660' FWL, same section, from a shut-in oil well to an active saltwater disposal well, and in support thereof will show:

1. Applicant is owner and operator of the Marshall Lease consisting of all of Section 19, T-23-S, R-33-E, Lea County, New Mexico, in addition to other lands.
2. Applicant is owner and operator of the adjoining Fields Lease consisting of the E/2 Sections 24 and 25 and the S/2 SW/4 Section 25, T-23-S, R-32-E, Lea County, New Mexico, in addition to other lands.
3. That produced water from the Marshall and Fields Leases has been disposed in the Fields Well No. 2 by authority of Order R-3484 dated September 9, 1968, such well located in Unit M, 990' FSL and 330' FWL of Section 24, T-23-S, R-32-E, Lea County, New Mexico.
4. That due to mechanical problems the Fields Well No. 2 is shut-in and will be abandoned, and that a new source of saltwater disposal is needed, such new source being the Marshall Well No. 2 or in the alternative, the Marshall Well No. 1.

APPLICATION

Approval to Convert - Marshall Well No. 2
February 12, 1985

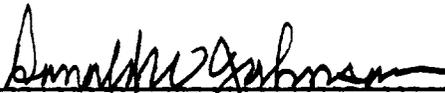
5. That the Applicant's primary intent is to convert the Marshall Well No. 2 to saltwater disposal, however, if remedial work is successful and production is restored in the Marshall Well No. 2, that the Marshall Well No. 1 would then be converted to saltwater disposal.
6. That produced water will be injected into the same formation from which it was produced.
7. That granting this application will not impair the correlative rights of any party.

WHEREFORE, Applicant respectfully requests that this application be set for hearing before the Division's duly appointed Examiner, and upon hearing, an order be entered authorizing the conversion of the Marshall Well No. 2, or in the alternative, the Marshall Well No. 1, to a saltwater disposal well in the Cruz Delaware Pool.

Respectfully submitted,

CONOCO INC.

BY



D. W. JOHNSON
DIVISION MANAGER OF PRODUCTION
HOBBS DIVISION

Case 5527

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? yes no

II. Operator: CONOCO INC.
Address: Box 460, Hobbs, N.M. 88240
Contact party: Hugh Ingram Phone: (505) 393-4141

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? yes no
If yes, give the Division order number authorizing the project _____.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: H. A. Ingram Title Conservation Coordinator

Signature: *H. A. Ingram* Date: February 13, 1985

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. Will be furnished at Hearing.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

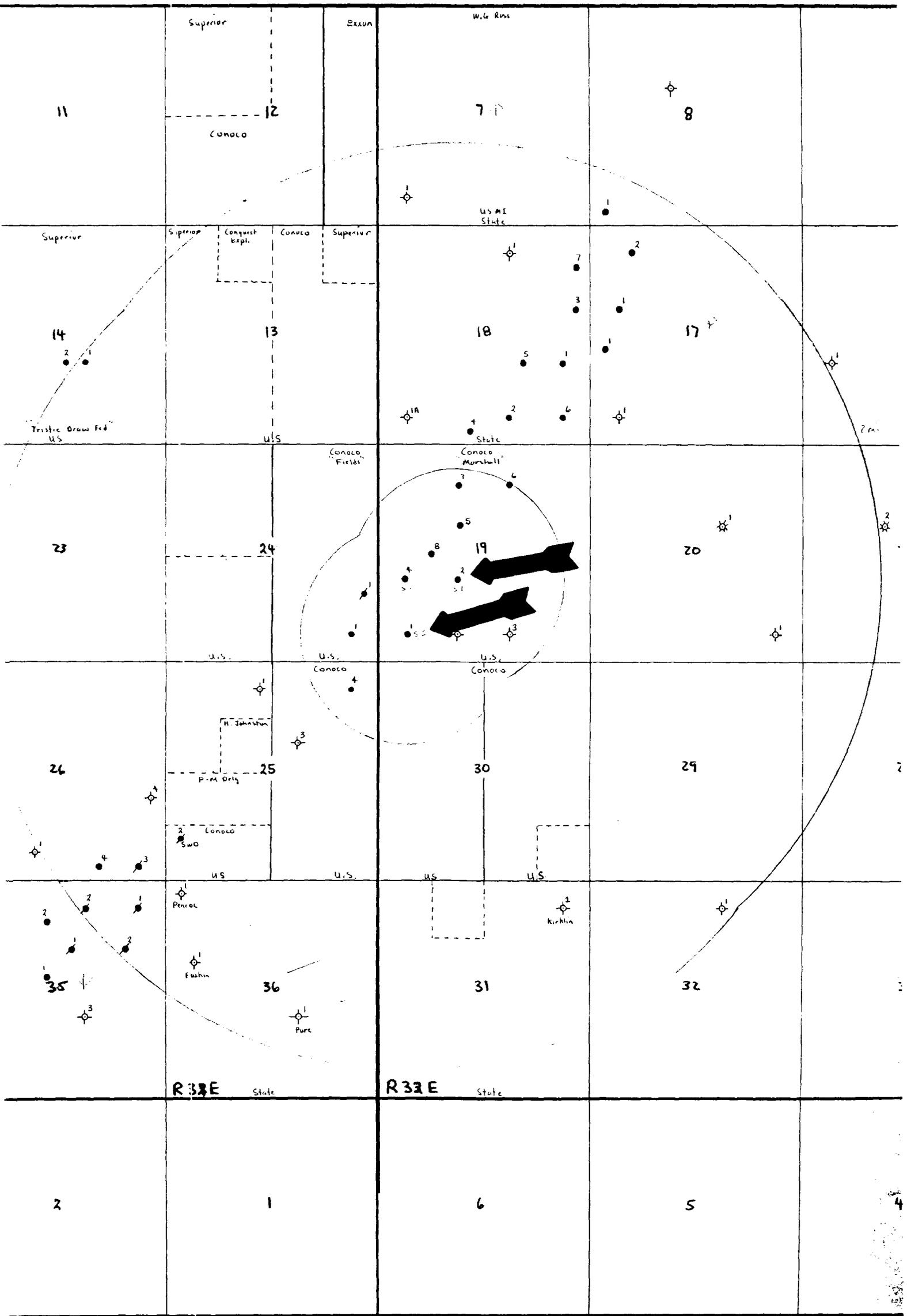
- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

LEGAL NOTICE
February 17, 1985
CONVERT WELL TO SALTWATER DISPOSAL

Conoco Inc., 726 E. Michigan, P.O. Box 460, Hobbs, New Mexico, Mr. D. W. Johnson, Division Manager of Production, intends for the purpose of produced water disposal, to convert its Marshall Well No. 2 located 1980' FSL and 1910' FWL of Section 19, T-23-S, R-33-E, Lea County, New Mexico, or in the alternative, its Marshall Well No. 1 located 660' FSL and 660' FWL of same section, from a shut-in oil well to a saltwater disposal well, both wells being completed in the Cruz Delaware Pool. Operator plans to dispose of produced water at a rate of approximately 500 barrels per day with a surface pressure of about 400 psi. Any objections to this intent or requests for hearing must be filed with the New Mexico Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days from date of this publication.



Cruz Delaware Field

(M) 11/11/11