



GARREY CARRUTHERS
GOVERNOR

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

November 17, 1987

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

Mr. David Catanach
Oil Conservation Division
Box 2088
Santa Fe, NM 87504-2088

Re: M&W Of Lovington, Inc.
O'Neill State SWD #1-L
Section 16, T8S, R36E
Roosevelt County, NM

Dear David:

Mr. Wilson with M&W has brought his proposal to plug off the bottom of the above-referenced disposal well and recomplete as a San Andres disposal well. The well was approved for disposal in the Penn by R-3616 & R-3616-A.

I have no problem with his plugging off the bottom of the hole at approximately 6400' and using the well as a San Andres disposal, if this type completion is satisfactory with you.

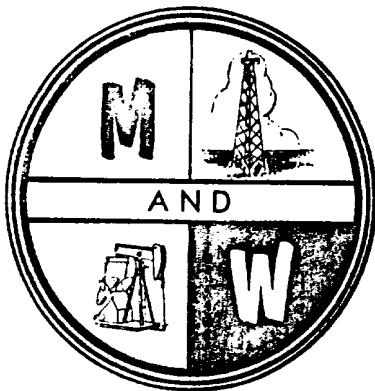
Very truly yours,

OIL CONSERVATION DIVISION

Jerry Sexton
Supervisor, District I

JS/ED/ed

cc: Johnnie Wilson
M&W Of Lovington Inc.
P.O. Box 922
Lovington, NM 88260



P.O. BOX 922 • PHONE (505) 396-4663 • LOVINGTON, NEW MEXICO 88260

Inc.

November 3, 1987

State of New Mexico
Energy & Mineral Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, N.M. 87501

Re: O'Neill State SWD
#1-L, located U-~~1~~ 1980' from south line
and 660' from west line section 16,
township 8S, Range 36E NMPM, Roosevelt
County, New Mexico
Change in or amendment of Division
order No. R-3616-A

Dear Sir:

Attached you will find form C-103 on the above described well requesting a change in Division order No. R-3616-A.

We are requesting this order be amended to allow us to plug and abandon the well from approximately 6400' down to 9685' as described on the form C-103 and designated the well as a normal San Andres disposal well.

If there is anything further you might need please feel free to call or write us at your convenience.

Yours truly,

M & W of Lovington, Inc.

Johnie W. Wilson
Johnie W. Wilson
President

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-8875
7. Unit Agreement Name
8. Farm or Lease Name O'NEILL STATE SWD
9. Well No. 1 L
10. Field and Pool, or Wildcat PRAIRIE CISCO SOUTH
12. County ROOSEVELT

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO CLEAN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- SWD
2. Name of Operator M & W OF LOVINGTON, INC.
3. Address of Operator P.O. BOX 922, LOVINGTON, N.M. 88260.
4. Location of Well UNIT LETTER L, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE WEST LINE, SECTION 16 TOWNSHIP 8S RANGE 36E NMPL.
15. Elevation (Show whether DF, RT, GR, etc.) 4108

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. Run free point & cut casing at maximum depth, approx 6400', spot cement plug 100' in and out of casing stud.
2. Run 8-5/8" packer on 2-3/8" fiberglass lined 2-3/8" EUE 8rd tbq. & set @ approx 4100'.
3. Pump packer fluid on backside & test 8-5/8" cgs.
4. Install triplex and return well to disposal service now in Ann Andres formation.

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

SIGNED John W. Wilson TITLE PRESIDENT DATE 11/3/87

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ST K

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 8702
Order No. R-3616-A

APPLICATION OF M & W OF LOVINGTON, INC.
FOR AMENDMENT OF DIVISION ORDER NO.
R-3616, ROOSEVELT COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on September 11, 1985, at Santa Fe, New Mexico, before Examiner Gilbert P. Quintana.

NOW, on this 31st day of October, 1985, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) Division Order No. R-3616, dated December 2, 1968, authorized the disposal of produced water into the O'Neill State SWD Well No. 1, located 660 feet from the South line and 660 feet from the West line of Section 16, Township 8 South, Range 36 East, NMPM, Roosevelt County, New Mexico, at a depth interval from 9679 feet to 9685 feet (Pennsylvanian formation) with the packer set at 9600 feet.
- (3) The 4 1/2-inch casing in said well is parted at 6426 feet with a 2-inch tubing stub and packer protruding in the 4 1/2-inch casing from 6430 feet to 9679 feet.
- (4) The circumstances described in Finding No. (3) make it impossible to repair the casing and/or remove the 2-inch tubing and packer causing obstruction in the casing.
- (5) The applicant and current owner of said well seeks to recomplete the well by pulling the 4 1/2-inch casing, running a

2 3/8-inch plastic-lined tubing to a depth of 4150 feet, setting the tubing in a packer set in 8 5/8-inch casing at that depth, and injecting into said well from a depth of 4193 feet to 9685 feet.

(6) There is one producing well within 1/2 mile of said well, producing from the San Andres and injection into the subject well should not adversely affect its production.

(7) All other wells within a 1/2 mile radius of the subject well have been adequately plugged and abandoned.

(8) All fresh water sources, including the Ogallala formation, will be adequately protected from contamination if injection into said well is permitted as proposed.

(9) The injection well should not dispose of any produced waters by means of applying surface pressure. (All disposal operations shall be by means of "vacuum" injection).

(10) Should the well be unable to accept water by means of a "vacuum", the well should be plugged and abandoned in accordance with a Division approved plugging program.

(11) The injection should be accomplished through 2 3/8-inch plastic lined tubing installed in a packer set at approximately 4150 feet; the casing-tubing annulus should be filled with an inert fluid; and a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(12) The operator should 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.

(13) The operator should 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.

(14) Approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, M & W of Lovington, Inc., is hereby authorized to continue disposal operations in the O'Neill State

SWD Well No. 1 as previously approved by Order No. R-3616 with the exception of the following changes:

- (a) The 4 1/2-inch casing shall be pulled from the hole to the degree possible;
 - (b) The packer shall be set at approximately 4150 feet in the 8 5/8-inch casing;
 - (c) 2 3/8-inch plastic lined tubing shall be run and set in said packer;
 - (d) The well may not inject water with use of surface pressure. (Injection by means of a "vacuum" only);
 - (e) Should the well be unable to dispose of water by means of a "vacuum", the well shall be plugged and abandoned in accordance with prescribed Division Rules and Regulations; and,
 - (f) The authorized injection interval is amended to 4193 feet to 9685 feet.
- (2) 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.
- (3) 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.
- (4) The applicant shall conduct disposal operations and submit monthly reports in accordance with Rules 702, 703, 704, 705, 706, 708, and 1120 of the Division Rules and Regulations.
- (5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.


-4-

Case No. 8702

Order No. R-3616-A

DONE at Santa Fe, New Mexico, on the day and year
hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in dark ink, appearing to read 'R. L. Stamets', is written over the typed name.

R. L. STAMETS,
Director

S E A L

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
LOURDES A. MARTINEZ

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87501
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

November 5, 1985

Mr. Johnny Wilson
M & W of Lovington, Inc.
Post Office Box 922
Lovington, New Mexico 88260

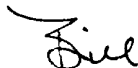
Re: New Mexico Oil Conservation Division Case 8702
Application of M & W of Lovington, Inc. for
Amendment of Division Order No. R-3616, Roosevelt
County, New Mexico.

Dear Mr. Wilson:

Enclosed is a copy of Oil Conservation Division Order No. R-3616-A which was entered on October 31, 1985, granting the application of M & W of Lovington, Inc. to continue disposal operations in your O'Neill State SWD Well No. 1 with certain changes authorized in Order paragraph (1) hereof. If you have questions concerning the enclosed order, or if we can be of further assistance, please advise.

I appreciated this opportunity to work with you.

Very truly yours,



William F. Carr

WFC/cv
enclosure

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

IN THE MATTER OF THE APPLICATION
OF M & W OF LOVINGTON, INC. FOR
AMENDMENT TO ORDER R-3616 ALLOWING
FOR DISPOSAL OF SALT WATER,
ROOSEVELT COUNTY, NEW MEXICO

Case

APPLICATION

Comes now, M & W OF LOVINGTON, INC., by and through its undersigned attorneys and applies to the Oil Conservation Division for an order amending previously promulgated Division Order No. R-3616 approving the disposal of salt water located in Unit L of Section 16, Township 8 South, Range 36 East, Roosevelt County, New Mexico, South Prairie-Cisco Pool. In support of its application, M & W of Lovington, Inc. would show:

1. Applicant is the operator of the O'Neill State Well No. 1 in the South Prairie-Cisco Pool, in Roosevelt County, New Mexico.

2. The applicant proposes to utilize said well to dispose of produced salt water into all formations below a packer set at 4100 feet pursuant to previously issued Division Order No. R-3616.

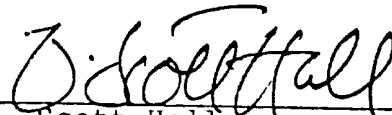
3. That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

WHEREFORE, applicant prays this application be set for hearing on September 11, 1985, before a duly appointed Examiner and that after notice and hearing as required by law, the Division enter its order amending Order No. R-3616 approving the salt water disposal well.

Respectfully submitted,

CAMPBELL & BLACK, P.A.

By


J. Scott Hall
Post Office Box 2208
Santa Fe, New Mexico 87501
(505) 988-4421

ATTORNEYS FOR M & W OF
LOVINGTON, INC.

CAMPBELL & BLACK, P.A.
LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
J. SCOTT HALL
PETER N. IVES
LOURDES A. MARTINEZ

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87501
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

August 30, 1985

HAND DELIVERED

R. L. Stamets, Director
Oil Conservation Division
New Mexico Department of
Energy & Minerals
State Land Office Building
Santa Fe, New Mexico 87503

RE: Application of M & W of Lovington, Inc. for Amendment to
Order R-3616 Allowing for Disposal of Salt Water, Roosevelt
County, New Mexico

Dear Mr. Stamets:

Enclosed in triplicate is the Application of M & W of
Lovington, Inc. in the above-referenced case. M & W requests
that this matter be placed on the docket for the Examiner
hearings scheduled on September 11, 1985.

Very truly yours,

J. Scott Hall

JSH/ba
enclosures

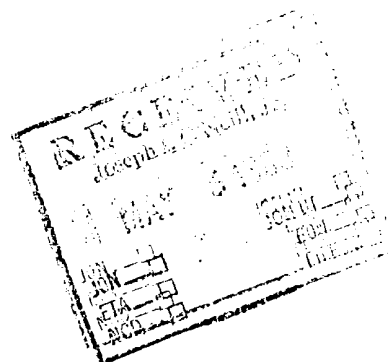
cc: M & W of Lovington, Inc.

SUNSET INTERNATIONAL PETROLEUM CORPORATION

TWO-O-ONE WALL BUILDING • SUITE 308

MIDLAND, TEXAS 79701

May 5, 1969



J. I. O'Neill
410 West Ohio
Midland, Texas

Attention: Mr. Ed Anderson

Gentlemen:

Enclosed is a copy of Order No. R-3616 approving Application of Sunset International Petroleum Corporation for Salt Water Disposal into the J. I. O'Neill State Well No. 1 for your information as requested.

Very truly yours,

Ed Mays
Area Manager

EBM:mmk
Enclo.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 3972
Order No. R-3616

APPLICATION OF SUNSET INTERNATIONAL
PETROLEUM CORPORATION FOR SALT WATER
DISPOSAL, ROOSEVELT COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on December 2, 1968, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 9th day of December, 1968, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Sunset International Petroleum Corporation, is the owner and operator of the O'Neill State Well No. 1, located in Unit L of Section 16, Township 8 South, Range 36 East, NMPM, South Prairie Field, Roosevelt County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced San Andres salt water into the Bough "C" zone of the Pennsylvanian formation, with injection into the perforated interval from approximately 9679 feet to 9685 feet.

(4) That the injection should be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 9660 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

(5) That the applicant should continuously treat the water to be disposed of in a manner adequate to accomplish removal of

CASE No. 3972
Order No. R-3616

substantially all sulfides to avoid adverse precipitative effect upon the waters present in the disposal zone.

(6) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Sunset International Petroleum Corporation, is hereby authorized to utilize its O'Neill State Well No. 1, located in Unit L of Section 16, Township 8 South, Range 36 East, NMPM, South Prairie-Field, Roosevelt County, New Mexico, to dispose of produced San Andres salt water into the Bough "C" zone of the Pennsylvanian formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 9660 feet, with injection into the perforated interval from approximately 9679 feet to 9685 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer;

PROVIDED FURTHER, that the applicant shall continuously treat the water to be disposed of in a manner adequate to accomplish the removal of substantially all of the sulfides present in order to avoid adverse precipitative effect upon the waters present in the disposal zone.

(2) That the applicant shall submit all such reports of its disposal operations to the Commission Rule _____ of the _____

(3) _____ entry _____ Commission may deem necessary.

_____ Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

<p>SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO PLUG OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)</p>		<p>3a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/></p>
<p>4. Name of Operator M & W OF LOVINGTON, INC</p>		<p>5. State Oil & Gas Lease No. E-8875</p>
<p>6. Address of Operator BOX 922 LOVINGTON, NM 88260</p>		<p>7. Unit Agreement Name</p>
<p>8. Location of Well UNIT LETTER L 1980 FEET FROM THE SOUTH LINE AND 660 FEET FROM THE WEST LINE, SECTION 16 TOWNSHIP 8s RANGE 36E NMPM.</p>		<p>8. Farm or Lease Name O'NEILL STATE SWD</p>
<p>10. Field and Pool, or Wildcat PRAIRIE CISCO SOUTH</p>		<p>9. Well No. 1 #1-L</p>
<p>15. Elevation (Show whether DF, RT, GR, etc.) 4108'</p>		<p>12. County ROOSEVELT</p>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

<p>PERFORM REMEDIAL WORK <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input checked="" type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>PLUG AND ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>REMEDIATION WORK <input type="checkbox"/></p> <p>COMMENCE DRILLING OPS. <input type="checkbox"/></p> <p>CASING TEST AND CEMENT JOBS <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>ALTERING CASING <input type="checkbox"/></p> <p>PLUG AND ABANDONMENT <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>
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7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. CUT 4½" CASING 4200' & PULL.
2. RUN 8 5/8" PACKER & SET @ 4150'.
3. TEST DISPOSAL.
4. PULL TEST TUBING.
5. RUN 8 5/8" PACKER & SET @ 4150' ON PCID TUBING.
6. RETURN WELL TO DISPOSAL.

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

SIGNED Philip W. Wilson TITLE PRESIDENT DATE 6-18-85

PREPARED BY _____ TITLE _____ DATE _____

APPROVAL OF APPROVAL IF ANY:

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: M & W OF LOVINGTON, INC.
Address: P.O. BOX 922, LOVINGTON, N.M. 88260
Contact party: Johnie W. Wilson Pres. Phone: 505 396-4665
- 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: Johnie W. Wilson Title PRESIDENT
Signature: Johnie W. Wilson Date: 9/10/85
- 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

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.

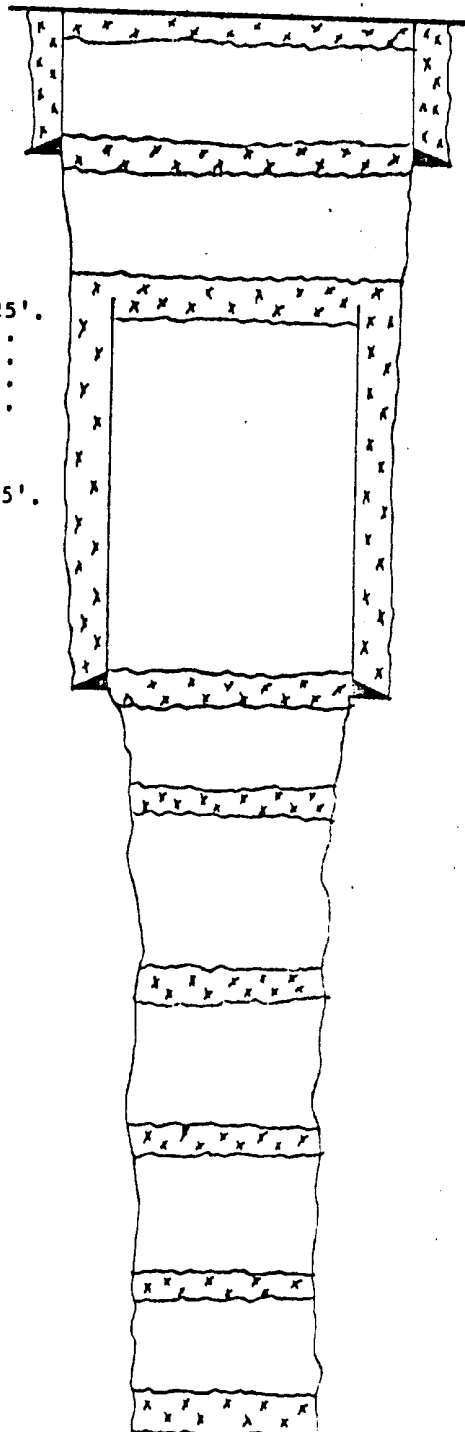
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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.

[illegible]

Atlantic Richfield Co.
 State 'BL' No. 1
 1980' FNL & 1980' FWL
 Sec. 16, T-8S, R-36E

Spudded 6/11/69.



17 1/2" hole to 381'. Set 13 3/8" 48#
 csg @ 381' w/400 sx. Circ.

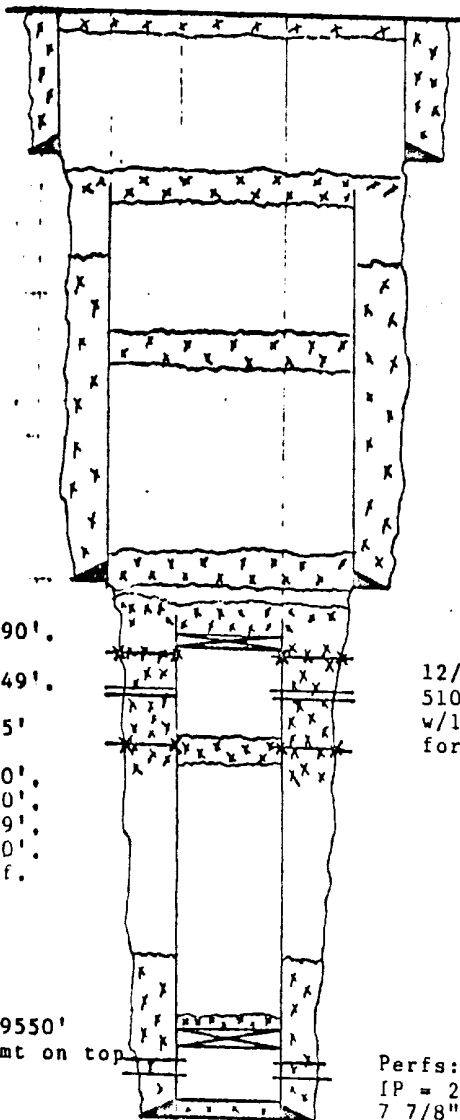
P&A 8/19/69.

Spotted 35 sx 13035-13125'.
 Spotted 25 sx 9485-9550'.
 Spotted 25 sx 8965-9030'.
 Spotted 25 sx 7735-7800'.
 Spotted 25 sx 5445-5510'.
 Spotted 25 sx 4065-4122'.
 across 9 5/8" shoe.
 Spotted 50 sx 1447-1525'.
 across 9 5/8" stub @ 1475'.
 Spotted 25 sx 367-398'.
 across 13 3/8" shoe.
 Spotted 10 sx @ surf.
 Mud between all plugs.

12 1/4" hole to 4091'. Set 9 5/8" 36#
 & 32.3# csg @ 4091'. Cmt w/750 sx.

Cosden Petroleum Corporation
Federal 'F' No. 1
660' FNL & 660' FWL
Sec. 21, T-8S, R-36E

Spudded 3/10/61.



17 1/2" hole to 469'. Ran 469' of 13 7/8" 48# csg. Cmt w/450 sx. Circ.

12 1/4" hole to 4200'. Ran 4200' of 8 5/8" 24# & 32# csg. Cmt w/1800 sx. TOC @ 1300' by temp survey.

12/10/71 recomp to San Andres. Perf 4 holes @ 5100'. Cmt w/200 sx. Perf 4 holes @ 4800'. Cmt w/100 sx. Drid out cmt to 5064'. Perf San Andres for production 4846-4975'. IP = 8 BOPD.

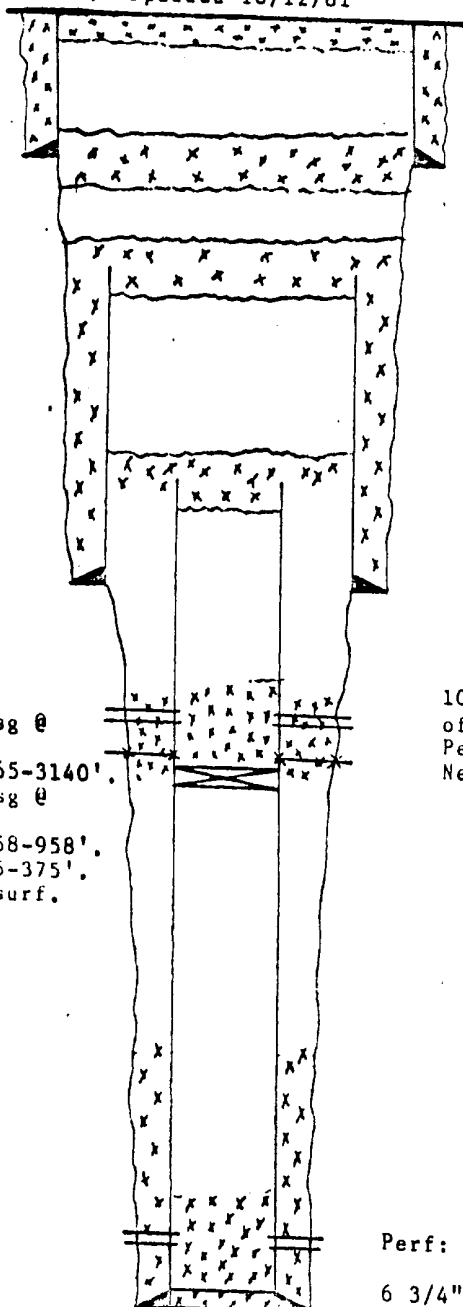
CIBP @ 4790'.
P&A 3/1/76.
Cut 4 1/2" csg @ 4449'.
Loaded hole w/mud.
Spotted 35 sx @ 4475' across stub.
Spotted 40 sx @ 4250'.
Spotted 35 sx @ 2000'.
Set 8 5/8" csg @ 509'.
Spotted 125 sx @ 550'.
Spotted 15 sx @ surf.

CIBP @ 9550'
w/18' cmt on top

Perfs: 9662-9678'.
IP = 201 BO in 12 hrs.
7 7/8" hole to 9725'. Set 4 1/2" 11.6# csg @ 9725'.
Cmt w/200 sx. TOC @ 8720' by temp survey.

Joseph I. O'Neill
Federal 'H' No. 1
1874' FSL & 554' FEL
Sec. 17, T-8S, R-36E.

Spudded 10/12/61



15" & 17" hole to 421'. Set 10 3/4" 32.75# csg @ 421'. Cmt w/450 sx. Circ 30 sx.

9 7/8" hole to 4208'. Set 7 5/8" 26.4# csg @ 4208'. Cmt w/504 sx.

P&A 6/30/70.
Cmt 5310-4832'.
Cut off 4 1/2" csg @ 3365'.
Spotted 30 sx 3265-3140'.
Cut off 7 5/8" csg @ 1008'.
Spotted 45 sx 1058-958'.
Spotted 50 sx 475-375'.
Spotted 50 sx @ surf.

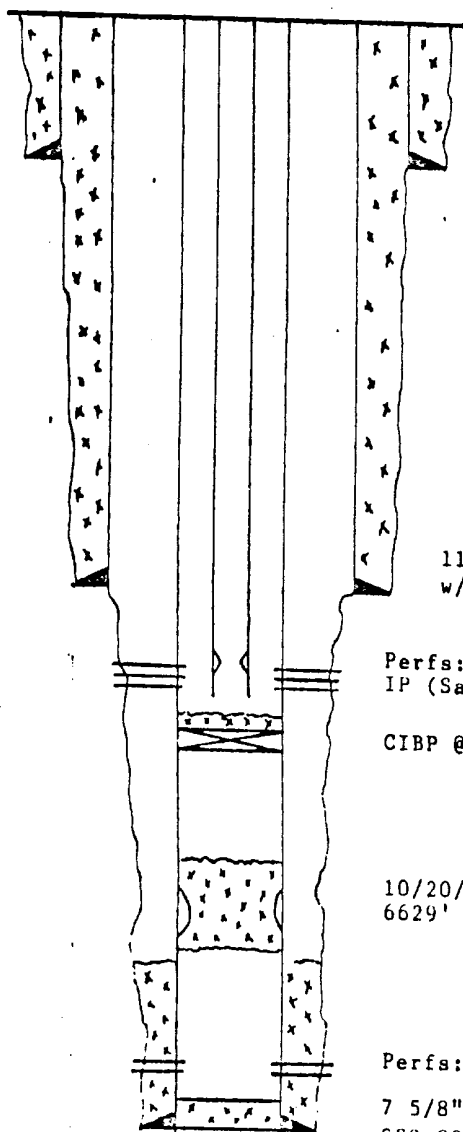
10/17/69 PB to San Andres. Spotted 110' cmt btm of hole. CIBP @ 5310'. Perf 5300'. Sqz cmt. Perfs: (San Andres) 4982-5133'. Never produced.

Perf: 9671-9677'. IP = 261 BOPD.

6 3/4" hole to 9693'. Set 4 1/2" 11.6# csg @ 9681'. Cmt w/320 sx.

M & W
State 'L' No. 1
660' FSL & 660' FWL
Sec. 16, T-8S, R-36E

Spudded 5/15/61.



15" hole. 11 3/4" 42# H-40 csg set @ 411'
w/500 sx. Circ.

11" hole. 8 5/8" 32# H-40 & J-55 csg set @ 4249'
w/1012 sx. Circ.

Perfs: 4800, 08, 12, 19, 39, 42, 44, 52, 54'.
IP (San Andres) = 41 BOPD + 28 BWPD.

CIBP @ 5100' w/10' cmt cap.

10/20/64 csg collapsed @ 6629'. Spotted 30 sx @
6629' & displaced downhole 150'. Plug 6372-6778'.

Perfs: 9685-92'.

7 5/8" hole. 4 1/2" 9.5# J-55 & 11.6# J-55 & N-80
csg set @ 9737' w/400 sx. TOC @ 7075' by temp
survey.

Currently producing from the San Andres.

J. M. Huber
Perry Federal No. 2
660' FSL & 660' FEL
Sec. 17, T-8S, R-36E

Spudded 10/16/65.

12 1/4" hole. Set 8 5/8" 24# J-55 csg @ 424' w/275 sx. Circ.
7 7/8" hole. Set 4 1/2" 9.5# J-55 csg @ 5046' w/250 sx. TOC @
4013' by temp survey.

Perfs: (Gross Interval) 4803-58', 4901-05', 4911-26', 4940-46',
4963-79'

P&A 6/84.

Cut 2 3/8" tbg @ 4150'.

Cmt ret @ 4105'. Sqz 25 sx. Spotted 5 sx on top.

Tagged cmt @ 4035'.

Shot csg @ 2770'. Spotted 30 sx. 2826-2400'.

Sqz 20 sx thru hole @ 2770'.

Tagged plug @ 2683'.

Shot csg @ 2290'. Spotted 30 sx 2346-1920'.

Sqz 25 sx thru holes @ 2290'.

Tagged @ 2280'. Spotted 10 sx 2280-2130'.

Shot csg @ 1000'.

Shot csg @ 800'. Rec 805' - 4 1/2" csg.

Spotted 30 sx @ 850'. Tagged @ 732'.

Spotted 30' sx @ 475-375'.

Spotted 14 sx 56'-surf.

2 3/8" tbg 4862-4150'.

Pump w/rds & fishing tool. Top of junk @ 4160'.

Baker Lok-Set @ 4962'.

Joseph O'Neill
State 'L' No. 3
660' FNL & 660' FWL
Sec. 16, T-8S, R-36E

Spudded 2/8/66.

12 1/4" hole to 329'. Set 8 5/8" 32# csg @ 329'. Cmt w/210 sx.
Circ 10 sx.

7 7/8" hole to 5020'. Set 4 1/2" 11.6# & 9.5# csg @ 5031'. Cmt
w/200 sx. TOC @ 4100' by temp survey.

Perfs: (Gross Interval) 4890-4950'.

Never produced.

P&A 4/27/66.

10 sx @ 5020-4920'.

25 sx @ 4047' across 4 1/2" stub @ 4022'.

25 sx @ 3256'.

25 sx @ 2256'.

25 sx @ 312'.

10 sx @ surf.

Joseph O'Neill
State 'L' No. 2
660' FSL & 1980' FWL
Sec. 16, T-8S, R-36E

Spudded 7/26/65.

12 1/4" hole to 266'. Set 8 5/8" 24# csg @ 266'. Cmt w/236 ft³.

Circ 15 sx.

7 7/8" hole to 5023'. Set 4 1/2" 9.5# csg @ 5023'. Cmt w/240 ft³.

TOC @ 4100' by temp survey.

Perfs: (Gross Interval) 4852-5001'.

IP = 7 BOPD.

P&A 7/16/76.

70 sx @ 5022-4459'.

10 sx @ 2920-2791'.

10 sx @ 2310-2181'.

60 sx @ 1450-1350' across 4 1/2" stub @ 1425'.

60 sx @ 317-119'.

5 sx @ surf.

Sunset Petroleum Corporation
O'Neill 'A' State No. 1
660' FWL & 2130' FSL
Sec. 16, T-8S, R-36E

Spudded 3/5/65.

11" hole to 2256'. Set 8 5/8" 24# & 32# csg @2256'. Cmt w/
660 sx. Circ 50 sx.

7 7/8" hole to 5460'. Set 4 1/2" 9.5# csg @ 5071'. Cmt w/200 sx.
TOC @ 4250' by temp survey.

Perfs: (Gross Interval) 4792-4992'.

IP = 16 BOPD.

P&A 8/26/75.

20 sx @ 5000'.

40 sx @ 4100' across 4 1/2" stub.

80 sx @ 2256' across 8 5/8" shoe.

10 sx @ surf.

M & W
State 'L' No. 1
660' FSL & 660' FWL
Sec. 16, T-8S, R-36E

Spudded 5/15/61.

15" hole. Set 11 3/4" 42# H-40 csg @ 411' w/500 sx. Circ.

11" hole. Set 8 5/8" 32# H-40 & J-55 csg @ 4249' w/1012 sx. Circ.

7 5/8" hole. Set 4 1/2" 9.5# J-55 & 11.6# J-55 & N-80 csg @

9737' w/400 sx. TOC @ 7075' by temp survey.

Perfs: 9685-92'.

10/20/64 csg collapsed @ 6629'. Spotted 30 sx @ 6629' & displaced

downhole 150'. Plug from 6372-6778'. CIBP @ 5100' w/10' cmt cap.

Perfs: 4800, 08, 12, 19, 39, 42, 44, 52, 54'.

IP = 41 BOPD + 28 BWPD (San Andres)

Currently San Andres producer.

WELLS WITHIN
AREA OF REVIEW

<u>Operator</u>	<u>Well Name</u>	<u>Location</u>	<u>TD</u>
M & W	St. 'L' No. 1	Sec. 16, T-8S, R-36E 660' FSL & 660' FEL	9737'
Joseph O'Neill	St. 'L' No. 2	Sec. 16, T-8S, R-36E 660' FSL & 1980' FWL	5023'
Joseph O'Neill	St. 'L' No. 3	Sec. 16, T-8S, R-36E 660' FNL & 660' FWL	5020'
Sunset Pet.	O'Neill 'A' St. No. 1	Sec. 16, T-8S, R-36E 660' FWL & 2130' FSL	5460'
Atlantic Richfield	St. 'BL' No. 1	Sec. 16, T-8S, R-36E 1980' FNL & 1980' FWL	13138'
Joseph O'Neill	Fed. 'H' No. 1	Sec. 17, T-8S, R-36E 1874' FSL & 554' FEL	9693'
J. M. Huber	Perry Fed. No. 2	Sec. 17, T-8S, R-36E 660' FSL & 660' FEL	5046'
Cosden Pet.	Fed. 'F' No. 1	Sec. 21, T-8S, R-36E 660' FNL & 660' FWL	9725'

M & W OF LOVINGOTN, INC.

O'NEILL STATE SWD # 1-L

OPERATION NO.	FOOTAGE LOCATION	LEASE	SECTION	TOWNSHIP	RANGE
NO. 1	660' FSL, 660 FWL	16	8S	36E	
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE	
	ROOSEVELT COUNTY	SOUTH PRAIRIE FIELD		NEW MEXICO	

Schematic

SEE ATTACHED

Tabular DataSurface Casing

Size 13-3/8 " Cemented with 160 sx.
TOC CIRCULATED feet determined by SHOW
Hole size 17.5"

Intermediate Casing

Size 8-5/8 " Cemented with 1480 sx.
TOC 1200 feet determined by
Hole size 12"

Long string

Size 4-1/2 " Cemented with 600 sx.
TOC 5400' feet determined by TEMP SURVEY
Hole size 7-7/8"
Total depth 9750'

Injection interval

9679 feet to 9685' feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with Plastic Salta Lined set in a
(material)
Baker Loc-Set packer at 4150 feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Bough "C"
- Name of field or Pool (if applicable) South Prairie
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Bough C Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO

Roosevelt County
New Mexico

11-L, S-16, T-8S, R-36E.

M & W of Lovington Inc.
O'Neill State SWD #1-L
E-8875 Prairie Cisco South Field

2 13 3/8"
Surface
Cement Circulated
399.97'

8 5/8"
Intermediate
Cement 1200' from
Surface
4193' Base

4 1/2" Casing Parted
6426'

Broken 2 3/8" PCD
Tubing Body 6430

Cement Top
4 1/2" - 6630'

Perforations
9679'-85' 4 per. ft.

ETD 9750'
4 1/2" Casing

2" x 4 1/2"
Baker Model "R"
Single Grip
Packer