

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

SEP - 2 2009

FORM APPROVED  
OMB No 1004-0137  
Expires March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NM-911

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Fasken Oil and Ranch, Ltd.

3a. Address  
303 West Wall St., Suite 1800, Midland, TX 79701

3b. Phone No. (include area code)  
432-687-1777

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No  
El Paso Federal No. 4

9. API Well No.  
30-015-21305

10. Field and Pool or Exploratory Area  
Avalon; Strawn (Gas)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Unit C, 660' FNL & 1980' FWL, Sec 3, T21S, R26E

11. Country or Parish, State  
Eddy, New Mexico

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Disposal of
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Produced Water
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

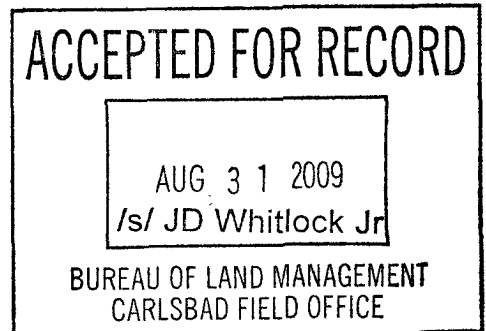
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Fasken Oil and Ranch, Ltd. is disposing produced water from the El Paso Federal No. 4 at the Exxon State SWD.

Please see attached additional water production and disposal information.

**SUBJECT TO LIKE  
APPROVAL BY STATE**

RT - NMOC  
9/8/09



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Kim Tyson

Title Regulatory Analyst

Signature

Kim Tyson

Date 08/03/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Bureau of Land Management  
Carlsbad Field Office  
620 E. Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

**WATER PRODUCTION & DISPOSAL INFORMATION**

In order to process your disposal request, the following information must be completed:

1. Name of formations producing water on the lease. \_\_\_\_\_  
Avalon; Strawn (Gas) \_\_\_\_\_
2. Amount of water produced from all formations in barrels per day. \_\_\_\_\_  
1 barrel per day. \_\_\_\_\_
3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. (One sample will suffice if water is commingled.) See attached water analysis.
4. How water is stored on lease. \_\_\_\_\_ Water is stored in a tank. \_\_\_\_\_
5. How water is moved to the disposal facility. \_\_\_\_\_ Water is moved by truck. \_\_\_\_\_
6. Identify the Disposal Facility by:
  - A. Facility Operators name. \_\_\_\_\_ Mesquite SWD, Inc. \_\_\_\_\_
  - B. Name of facility or well name and number. \_\_\_\_\_ Exxon State #1 \_\_\_\_\_
  - C. Type of facility or well (WDW) (WIW) etc. \_\_\_\_\_ SWD \_\_\_\_\_  
SW/4 of the
  - D. Location by  $\frac{1}{4}$   $\frac{1}{4}$  SE/4 Section 15 Township 21S Range 27E  
Lot No. J
7. Attach a copy of the State issued permit for the Disposal Facility.  
Permit # SWD-180  
Please see attached permit and order.

# Endura Products Corporation

P.O. Box 3394, Midland, Texas 79702  
Phone (432) 684-4233 Fax (432) 684-4277

## WATER ANALYSIS

Date **6/15/2009** Endura Rep **Norman Smiley**  
Sampling Point/Date **well head 5/18/2009**  
Company **Fasken Oil and Ranch**  
Formation **Lease El Paso Federal**

Code **10110518**  
State **New Mexico**  
County **Eddy**  
Well **#4**

## DISSOLVED SOLIDS

### CATIONS

	mg/l	me/l
Sodium, Na+ (Calc.)	26,703	1,161
Total Hardness as Ca++	11,232	0
Calcium Ca++	11,120	556
Magnesium, Mg++	68	6
Barium, Ba++	0	0
Iron (Total) Fe+++*	116	6

### ANIONS

Chlorides, Cl-	60,500	1,704
Sulfate, SO4-	250	5
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	1,220	20
Sulfide, S-*	0	0
Total Dissolved Solid	99,977	

## OTHER PROPERTIES

pH*	6.110
Specific Gravity, 60/60 F.	1.071
Turbidity	668

## SCALING INDICIES

<u>TEMP, F</u>	<u>CA CO3</u>	<u>CASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	0.5207	-0.5615	-0.7676	-29.1822
120	0.8475	-0.5674	-0.5931	-29.4019
160	1.3533	-0.5701	-0.4231	-29.6310

## PERFORATIONS

SUBJECT: SALT WATER DISPOSAL WELL

ORDER NO. SWD-180

THE APPLICATION OF A. H. RAINS FOR  
A SALT WATER DISPOSAL WELL.

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701 (C), A. H. Rains made application to the New Mexico Oil Conservation Commission on December 13, 1976, for permission to complete for salt water disposal his Exxon State Well No. 8 located in Unit O of Section 15, Township 21 South, Range 27 East, NMPM, Lea County, New Mexico.

The Secretary-Director finds:

1. That application has been duly filed under the provisions of Rule 701 (C) of the Commission Rules and Regulations;
2. That satisfactory information has been provided that all offset operators and surface owners have been duly notified;
3. That the applicant has presented satisfactory evidence that all requirements in Rule 701 (C) will be met.
4. That no objections have been received within the waiting period prescribed by said rule.

IT IS FURTHER ORDERED:

That the applicant herein, A. H. Rains, is hereby authorized to complete its Exxon State Well No. 8 located in Unit O of Section 15, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Yates formation at approximately 570 feet to approximately 600 feet through 2 3/8 inch plastic lined tubing set in a packer located at approximately 565 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 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 operator shall notify the supervisor of the Commission's Artesia District Office before injection is commenced through said well.

That the operator shall immediately notify the supervisor of the Commission's Artesia Office of the failure of the tubing, casing, or packer in said well or the leakage of water from or

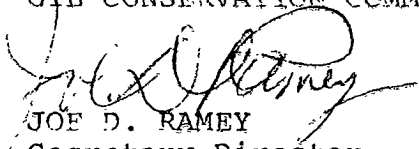
Salt Water Disposal - A. H. Pains

PROVIDED FURTHER

That jurisdiction of this cause is hereby retained by the Commission 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 Commission may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operation in accordance with Rule 704 and 1120 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 31st day of December.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
JOE D. RAMEY  
Secretary-Director

S E A L

IT IS THEREFORE ORDERED: *DSN Case # 5681 5-12-76*  
*Order R-5217 5-18-76*

(1) That the applicant, A. H. Rains, is hereby authorized to utilize its Pure State Well No. 1, located in Unit J of Section 15, Township 21 South, Range 27 East, NMPM, Magruder-Yates Pool, Eddy County, New Mexico, to dispose of produced salt water into the Yates formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 535 feet, with injection into the open-hole interval from approximately 540 feet to 551 feet;

PROVIDED HOWEVER, that the casing-tubing annulus shall be filled with an inert fluid, and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That the operator shall notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

(3) That the operator shall immediately notify the supervisor of the Commission's Artesia 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) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

Entered May 18, 1976  
*JSP*

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. 5681  
Order No. R-5217

APPLICATION OF A. H. RAINS FOR  
SALT WATER DISPOSAL, EDDY COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 12, 1976,  
at Santa Fe, New Mexico, before Examiner, Daniel S. Nutter.

NOW, on this 18th day of May, 1976, 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, A. H. Rains, is the operator of  
the Pure State Well No. 1, located in Unit J of Section 15,  
Township 21 South, Range 27 East, NMPM, Magruder-Yates Pool,  
Eddy County, New Mexico.

(3) That the applicant proposes to utilize said well to  
dispose of produced salt water into the Yates formation, with  
injection into the open-hole interval from approximately 540  
feet to 551 feet.

(4) That the injection should be accomplished through  
2 3/8-inch tubing installed in a packer set at approximately  
535 feet; that the casing-tubing annulus should be filled with  
an inert fluid; and that 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.

(5) That the operator should notify the supervisor of  
the Artesia district office of the Commission of the date  
and time of the installation of disposal equipment so that the  
same may be inspected.

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Case No. 5681  
Order No. R-5217

(6) That 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.

(7) 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, A. H. Rains, is hereby authorized to utilize its Pure State Well No. 1, located in Unit J of Section 15, Township 21 South, Range 27 East, NMPM, Magruder-Yates Pool, Eddy County, New Mexico, to dispose of produced salt water into the Yates formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 535 feet, with injection into the open-hole interval from approximately 540 feet to 551 feet;

PROVIDED HOWEVER, that the casing-tubing annulus shall be filled with an inert fluid, and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That the operator shall notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

(3) That the operator shall immediately notify the supervisor of the Commission's Artesia 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) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.



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Case No. 5681  
Order No. R-5217

DONE at Santa Fe, New Mexico, on the day and year herein-  
above designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

PHIL R. LUCERO, Chairman

  
EMERY C. ARNOLD, Member

  
JOE D. RAMEY, Member & Secretary

S E A L

dr/

Entered October 12, 1976  
JDR

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. 5753  
Order No. R-5217-A

APPLICATION OF A. H. RAINS FOR  
AMENDMENT OF ORDER NO. R-5217,  
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 15, 1976, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 12th day of October, 1976, 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 by Commission Order No. R-5217 dated May 18, 1976, the applicant, A. H. Rains, was granted authority to utilize his Pure State Well No. 1, located in Unit J of Section 15, Township 21 South, Range 27 East, NMPM, Magruder-Yates Pool, Eddy County, New Mexico, as a salt water disposal well for water production from said Pure State Lease.
- (3) That it now appears that said Pure State Well No. 1 may be better utilized as a producing well.
- (4) That the applicant seeks the amendment of Order No. R-5217 to provide an administrative procedure for the approval of substitute or additional salt water disposal wells on said Pure State Lease in Section 15, Township 21 South, Range 27 East, Magruder-Yates Pool, Eddy County, New Mexico.
- (5) That the applicant is the only operator in said Magruder-Yates Pool.
- (6) That approval of the application may result in greater recovery of oil from said Pure State Lease, will not cause waste, will not violate correlative rights, and will not endanger fresh waters provided that proper well construction and monitoring procedures are required.

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Case No. 5753  
Order No. R-5217-A

(7) That the application should be approved.

IT IS THEREFORE ORDERED:

(1) That Order (1), (2), and (3), of Commission Order No. R-5217 are hereby amended to read in their entirety as follows:

"(1) That the applicant, A. H. Rains, is hereby authorized to utilize his Pure State Well No. 1, located in Unit J of Section 15, Township 21 South, Range 27 East, NMPM, Magruder-Yates Pool, Eddy County, New Mexico, to dispose of produced salt water into the Yates formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 535 feet, with injection into the open-hole interval from approximately 540 feet to 551 feet.

"(2) The Secretary-Director of the Commission is hereby authorized to approve such additional or substitute injection wells at orthodox and unorthodox locations within the boundaries of applicant's Pure State Lease as may be necessary to handle produced water therefrom, provided said wells are located no closer than 660 feet to the outer boundary of said lease nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary. To obtain such approval, the operator shall file proper application with the Commission, which application shall include the following:

(a) A plat showing the location of the proposed well, all wells within the project area, and offset operators, locating wells which offset the project area.

(b) A schematic drawing of the proposed disposal well which fully describes the casing, tubing, perforated interval, and depth.

(c) A letter stating that all offset operators to the proposed well have been furnished a complete copy of the application and the date of notification.

The Secretary-Director may approve the proposed well if, within 20 days after receiving the application, no objection to the proposal is received. The Secretary-Director may grant immediate approval of the application upon receipt of waivers from offsetting operators.

"(3) That terms and conditions of approval of any disposal well under provisions of this order shall be as follows:

(a) That the casing-tubing annulus shall be filled with an inert fluid, and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped

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Case No. 5753

Order No. R-5217-A

with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(b) That the operator shall notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.


(c) That the operator shall immediately notify the supervisor of the Commission's Artesia 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.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

PHIL R. LUCERO, Chairman

  
EMERY C. ARNOLD, Member

  
JOE D. RAMEY, Member & Secretary

S E A L

jr/