

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**N.M. OIL CONSERVATION DIVISION**  
811 S. FIRST STREET  
ARTESIA, NM 88210

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM88134
2. Name of Operator DEVON ENERGY PRODUCTION CO LP Contact: SANDRA FARLEY Email: sandy.farley@dvn.com		6. If Indian, Allottee or Tribe Name
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 575-746-5587	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T24S R29E N1/4 NE1/4 Lot B 330FNL 1650FEL		8. Well Name and No. H B 11 FEDERAL 8H
		9. API Well No. 30-015-37900-00-S1
		10. Field and Pool, or Exploratory PIERCE CROSSING
		11. County or Parish, and State EDDY COUNTY, NM

**12. CHECK 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Temporarily Abandon
	<input checked="" type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back

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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

- This well is producing from the Pierce Crossing & Bone Spring
- Water produced is approximately 70 BWPD
- There are two 500 BBL tank on location
- Water will be piped to the a) Ore Ida 14 Federal 10 b) Ore Ida 14 Federal 5; both owned by Devon Energy Production Co LP. c) as a back up it will be trucked to Belco Well #1 owned by Basic Energy Services, LP a) API 30-015-29290 b) 30-015-29243 c) 30-015-25141
- a) NE4SE/4, S14, T24S, R29E  
b) NW/4NE/4, S14, T24S, R29E

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
JUL 14 2014

RECEIVED  
SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

Accepted for record  
APD WOOD 7-29-14

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #237148 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad  
Committed to AFMSS for processing by ANGEL MAYES on 05/02/2014 (14AXM0003SE)

Name (Printed/Typed) SANDRA FARLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 02/27/2014

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

Approved By _____	Title _____
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 _____

**APPROVED**  
JUL 10 2014  
JAMES A. AMOS  
SUPERVISOR-EPS

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.

**Additional data for EC transaction #237148 that would not fit on the form**

**32. Additional remarks, continued**

c)SW/4NW/4, S20, T23S, R28E

- 6. a)SWD-695 (attached)
- b)SWD-1113(attached)
- c)SWD-666 (attached)

**Revisions to Operator-Submitted EC Data for Sundry Notice #237148**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	DISPOSE SR	DISPOSE SR
Lease:	NMNM88134	NMNM88134
Agreement:		
Operator:	DEVON ENERGY PO BOX 250 ARTESIA, NM 88211 Ph: 575-746-5587	DEVON ENERGY PRODUCTION CO LP 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102 Ph: 405.235.3611
Admin Contact:	SANDRA FARLEY AUTHORIZED REPRESENTATIVE E-Mail: sandy.farley@dvn.com  Ph: 575-746-5587	SANDRA FARLEY AUTHORIZED REPRESENTATIVE E-Mail: sandy.farley@dvn.com  Ph: 575-746-5587
Tech Contact:	SANDRA FARLEY AUTHORIZED REPRESENTATIVE E-Mail: sandy.farley@dvn.com  Ph: 575-746-5587	SANDRA FARLEY AUTHORIZED REPRESENTATIVE E-Mail: sandy.farley@dvn.com  Ph: 575-746-5587
Location:		
State:	NM	NM
County:	EDDY COUNTY	EDDY
Field/Pool:	PIERCE CROSSING&BONE SPRI	PIERCE CROSSING
Well/Facility:	H B 11 FEDERAL 8H Sec 11 T24S R29E	H B 11 FEDERAL 8H Sec 11 T24S R29E NWNE Lot B 330FNL 1650FEL

### 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. Pierce Crossing, Bow Spring
2. Amount of water produced from all formations in barrels per day. 70 Bbl/d
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.)
4. How water is stored on lease. 2 500 Bbl/d
5. How water is moved to the disposal facility. pipelined
6. Identify the Disposal Facility by:
  - A. Facility Operators name. Devon
  - B. Name of facility or well name and number. Ore Ida 14 Fed 10
  - C. Type of facility or well (WDW) (WIW) etc. WDW
  - D. Location by  $\frac{1}{4}$   $\frac{1}{4}$  N45E Section 14 Township 24S Range 29E
7. Attach a copy of the State issued permit for the Disposal Facility.

Submit to this office, 620 EAST GREENE ST, CARLSBAD NM, 88220, the above required information on a Sundry Notice 3160-5. Submit 1 original and 3 copies, within abatement period. (This form may be used as an attachment to the Sundry Notice.)



ADMINISTRATIVE ORDER SWD-695

**APPLICATION OF PENWELL ENERGY, INC. FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.**

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Penwell Energy, Inc. made application to the New Mexico Oil Conservation Division on November 17, 1997 for permission to complete for salt water disposal its Ore Ida '14' Federal Well No.10 located 1780 feet from the South line and 860 feet from the East line (Unit I) of Section 14, Township 26 South, Range 29 East, NMPM, Eddy County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

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

**IT IS THEREFORE ORDERED THAT:**

The applicant herein, Penwell Energy, Inc. is hereby authorized to complete its Ore Ida '14' Federal Well No.10 located 1780 feet from the South line and 860 feet from the East line (Unit I) of Section 14, Township 26 South, Range 29 East, NMPM, Eddy County, New Mexico, for salt water disposal purposes into the Bell Canyon formation through perforations at approximately 3210 feet to 3618 feet through 2 7/8-inch plastic-coated tubing set in a packer located at approximately 3150 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.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

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.

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 1780 psi. This maximum allowable injection pressure is based on injectivity test data submitted at the time of application.

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 Bell Canyon formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

*Administrative Order SWD-695*

*Penwell Energy, Inc.*

*February 23, 1998*

*Page 3*

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The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 23rd day of February, 1998.

  
LORI WROTENBERY, Director

LW/BES/kv

cc: Oil Conservation Division – Artesia  
Bureau of Land Management - Carlsbad



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**  
Governor  
**Joanna Prukop**  
Cabinet Secretary

**Mark E. Fesmire, P.E.**  
Director  
Oil Conservation Division

Administrative Order SWD-1113

## APPLICATION OF DEVON ENERGY PRODUCTION COMPANY, LP FOR PRODUCED WATER DISPOSAL, EDDY COUNTY, NEW MEXICO

### ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Devon Energy Production Company, LP (OGRID 6137) made application to the New Mexico Oil Conservation Division for permission to utilize for produced water disposal its Ore Ida 14 Federal Well No. 5 (API No. 30-015-29243) located 935 feet from the North line and 1705 feet from the East line of Section 14, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico.

#### THE DIVISION DIRECTOR FINDS THAT:

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

#### IT IS THEREFORE ORDERED THAT:

Devon Energy Production Company, LP is hereby authorized to utilize, its Ore Ida 14 Federal Well No. 5 (API No. 30-015-29243) located 935 feet from the North line and 1705 feet from the East line of Section 14, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of produced water for disposal purposes into the Bell Canyon member of the Delaware formation through perforations from 3182 feet to 3490 feet and through plastic-lined tubing set with a packer located within 100 feet of the top of

the injection interval.

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.

As preparation for injection, the operator shall plug back this well with cast iron bridge plug and cement to within approximately 200 feet of the bottom injection perforation, perforate and report any swab test results or oil shows and the initial fluid level to the Division on a sundry report.

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

After installing injection tubing, the casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The wellhead injection pressure on the well shall be limited to **no more than 636 psi**. In addition, the injection well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface injection pressure to the maximum allowable pressure for this well.

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 injection formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of any mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

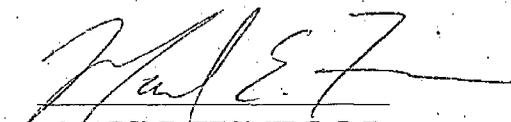
The operator shall provide written notice of the date of commencement of injection to the

Artesia district office of the Division.

The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator received by the Division prior to the termination date, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on January 29, 2008.

  
MARK E. FESMIRE, P.E.  
Director

MEF/wvjj

cc: Oil Conservation Division – Artesia  
Bureau of Land Management – Carlsbad



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

ADMINISTRATIVE ORDER SWD-666

**APPLICATION OF RAY WESTALL FOR SALT WATER DISPOSAL,  
EDDY COUNTY, NEW MEXICO.**

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Ray Westall made application to the New Mexico Oil Conservation Division on May 15, 1997, for permission to complete for salt water disposal its Belco Well No.1 located 2200 feet from the North line and 660 feet from the West line (Unit E) of Section 20, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

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

**IT IS THEREFORE ORDERED THAT:**

The applicant herein, is hereby authorized to complete its Belco Well No.1 located 2200 feet from the North line and 660 feet from the West line (Unit E) of Section 20, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Delaware formation at approximately 5,726 feet to 5,809 feet through 2 7/8-inch plastic-lined tubing set in a packer located at approximately 5,675 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.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

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.

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 1145 psi.

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 Delaware formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in 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 the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall submit monthly reports of the disposal operations in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

Administrative Order SWD-666

Ray Westall

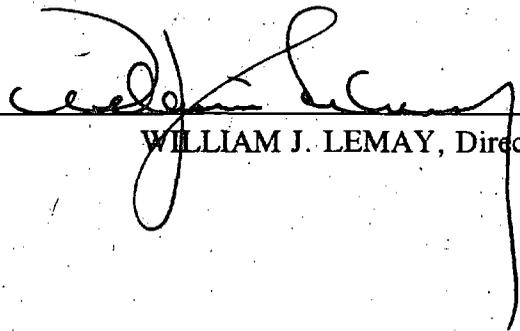
July 7, 1997

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The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 7th day of July, 1997.



WILLIAM J. LEMAY, Director

WJL/BES

cc: Oil Conservation Division - Artesia

1/2/08 DATE IN	SUSPENSE	W. Slack ENGINEER	1/2/08 LOGGED IN	SWD TYPE 113	PKUR0800235457 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR

- [D] Other: Specify One Ida 14 Fed #5

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or  Does Not Apply**

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Ronnie Slack  
Print or Type Name

Ronnie Slack  
Signature

Engineering Tech 1/2/08  
Title Date

Ronnie.Slack@dvn.com  
e-mail Address

*DEVON*  
*ORE IDA 14 Fed #5*

2008 JAN 2 AM 9 49  
RECEIVED



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102-8260

405 235 3611 Phone  
www.devonenergy.com

RECEIVED  
2007 DEC 31 AM 9 38

December 28, 2007

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

RE: Form C-108, Application for Authorization to Inject  
Ore Ida 14 Federal #5  
Eddy County, NM  
Section 14, T24S, R29E

Gentlemen:

Please find attached Devon Energy Production Company, LP's Form C-108, Application for Authorization to Inject. Devon's application proposes to take produced waters from the Delaware formation and re-inject into the Delaware Bell Canyon for salt water disposal purposes utilizing the Ore Ida 14 Federal #5 wellbore.

A copy of this application is being filed with the OCD-Artesia office, surface land owner, and leasehold operator.

If you have any questions, please contact Jim Cromer at (405)-228-4464 or myself at (405)-552-4615. Thank you for your cooperation in this matter.

Sincerely,

Ronnie Slack  
Engineering Technician

RS/rs  
Enclosure

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance  Disposal Storage  
Application qualifies for administrative approval?  Yes No
- II. OPERATOR: Devon Energy Production Company, LP  
ADDRESS: 20 North Broadway, Suite 1500, Oklahoma City, Oklahoma 73102  
CONTACT PARTY: Ronnie Slack PHONE: 405-552-4615
- 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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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 sources 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: Ronnie Slack TITLE: Engineering Technician

SIGNATURE: Ronnie Slack DATE: 12/28/07

E-MAIL ADDRESS: Ronnie.Slack@DVN.com

\* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

### 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 the 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, 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.

## INJECTION WELL DATA SHEET

OPERATOR: Devon Energy Production Company, LPWELL NAME & NUMBER: Ore Ida 14 Federal #5WELL LOCATION: 935' FNL & 1705' FEL B Sec 14 T24S R29E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17-1/2" Casing Size: 13-3/8"Cemented with: 325 sx. *or* \_\_\_\_\_ ft<sup>3</sup>Top of Cement: Surface Method Determined: Circ. cementIntermediate CasingHole Size: 12-1/4" Casing Size: 8-5/8"Cemented with: 1300 sx. *or* \_\_\_\_\_ ft<sup>3</sup>Top of Cement: Surface Method Determined: Circ cementProduction CasingHole Size: 7-7/8" Casing Size: 5-1/2"Cemented with: 1036 sx. *or* \_\_\_\_\_ ft<sup>3</sup>Top of Cement: 2970' Method Determined: CBLTotal Depth: 8,350'Injection Interval (Perforated)3,182' feet to 3,490'

(Perforated or Open Hole; indicate which)

**INJECTION WELL DATA SHEET**

Tubing Size: 2-3/8", 4.7# Lining Material: IPC

Type of Packer: 5-1/2" IPC

Packer Setting Depth: +/- 3,130'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is this a new well drilled for injection?        Yes   X   No  
If no, for what purpose was the well originally drilled?        Producing Oil Well
- 

2. Name of the Injection Formation: Delaware Bell Canyon

3. Name of Field or Pool (if applicable): Cedar Canyon ( Delaware )

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

Delaware Brushy Canyon: 6,668' – 6,704'; Abandoned. CIBP @ 6620' + 35' cement. 6,585' PBD  
Bone Spring: 7,864' – 8,141'. Abandoned.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

No higher or lower gas zones have been productive in the well review area above/below the proposed Delaware Bell Canyon injection interval from 3,182' to 3,490'. The deepest producing oil zone has been in the Bone Spring from 7,864' to 8,152' in Devon's Ore Ida 14 Fed #6. The highest producing oil zone has been in the Delaware Brushy Canyon (6668'-6704') present in the Ore Ida 14 Fed #5. No productive oil zones have been above the proposed Delaware Bell Canyon SWD perforations at 3,182' – 3,490'.

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: Ore Ida 14 Federal #5		Field: CEDAR CANYON DELAWARE	
Location: 935' FNL & 1705' FEL; Sec 14-T245-R29E		County: EDDY	State: NM
Elevation: 2974' KB; 2960' GL		Spud Date: 11/30/96	Compl Date: 3/8/97
API#: 30-015-29243	Prepared by: Ronnie Slack	Date: 10/30/07	Rev:

**PROPOSED SWD CONVERSION**

17-1/2" hole  
13-3/8", 48#, H40, 8RD, STC @ 351'  
 Cemented w/325 sx to surface

TOC @ 2970' (CBL-1/1/97)

12-1/4" hole  
8-5/8", 32#, J55, 8RD, STC. @ 3117'  
 Cemented w/1300 sx to surface

**Proposed SWD Perforations:**  
DELAWARE BELL CANYON  
 3182' - 3204'; 3214' - 3234'; 3246' - 3280'  
 3360' - 3380'; 3474' - 3490'

**Proposed:**  
 2-3/8" IPC Tubing

**Proposed:**  
 Injection Packer @ +/- 3130'

**Proposed:**  
 CIBP @ 3725' w/35' cement on top. PBD @ 3690'

DV Tool @ 5,428'

35' Cement. PBD @ 6,585'  
 CIBP @ 6,620' (10/5/05)

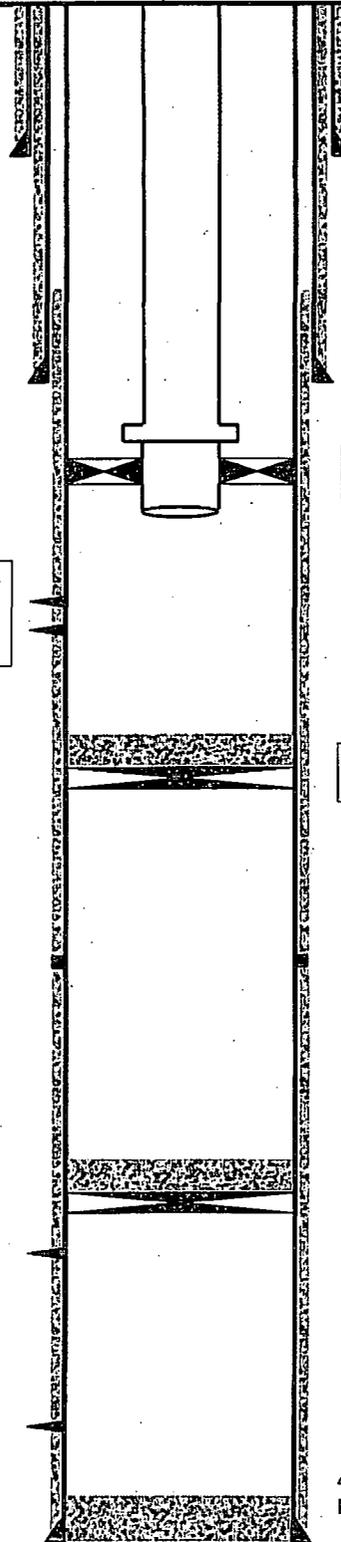
**BRUSHY CANYON (4/25/97)**  
 6,668' - 6,704'  
 4-26-97: acidize w/5K gals  
 5-2-97: fraced w/42K#  
 5-16-97: 15 bo, 174 bw

**BONE SPRING (1/1/97)**  
 7,864' - 8,141'  
 3-17-97: 33 bo, 132 bw, 175 mcf

7-7/8" Hole  
5-1/2", 17#, J55, 8RD, LTC. @ 8,350'  
 Cemented w/1036 sx.

4-25-98: TAC parts pushed to 8263'  
 PBD @ 8,263'

TD @ 8,350'



**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: Ore Ida 14 Federal #5		Field: CEDAR CANYON DELAWARE	
Location: 935' FNL & 1705' FEL; Sec 14-T24S-R29E		County: EDDY	State: NM
Elevation: 2974' KB; 2960' GL		Spud Date: 11/30/96	Compl Date: 3/8/97
API#: 30-015-29243	Prepared by: Ronnie Slack	Date: 12/22/06	Rev:

**CURRENT SCHEMAT**

17-1/2" hole  
13-3/8", 48#, H40, 8RD, STC @ 351'  
 Cemented w/325 sx to surface

TOC @ 2970' (CBL-1/1/97)

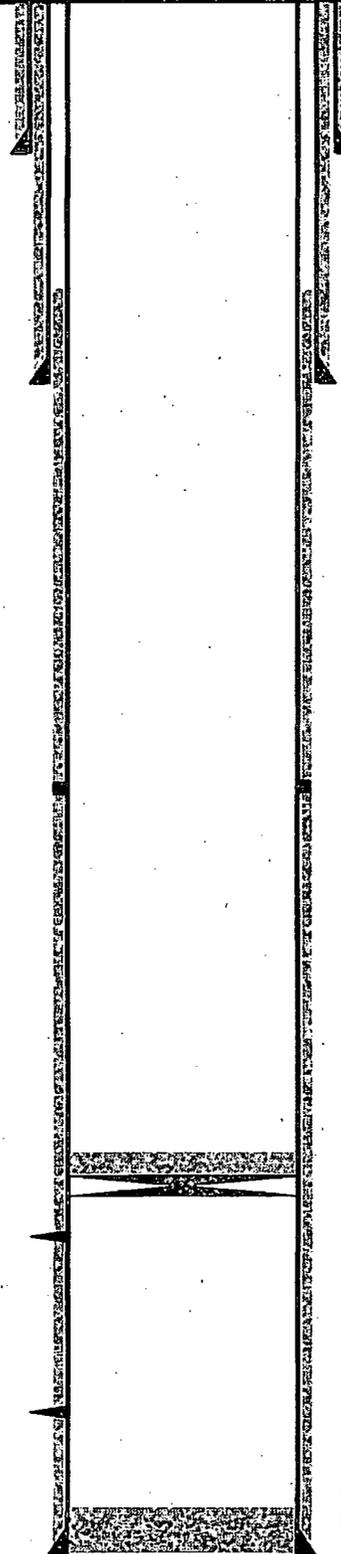
12-1/4" hole  
8-5/8", 32#, J55, 8RD, STC, @ 3117'  
 Cemented w/1300 sx to surface

DV Tool @ 5,428'

**BRUSHY CANYON** (4/25/97)  
 6,668'- 6,704'  
 4-26-97: acidize w/5K gals  
 5-2-97: fraced w/42K#  
 5-16-97: 15 bo, 174 bw

**BONE SPRING** (1/1/97)  
 7,864'- 8,141'  
 3-17-97: 33 bo, 132 bw, 175 mcf

7-7/8" Hole  
5-1/2", 17#, J55, 8RD, LTC, @ 8,350'  
 Cemented w/1036 sx.



35' Cement. PBD @ 6,585'  
 CIBP @ 6,620' (10/5/05)

4-25-98: TAC parts pushed to 8263'  
 PBD @ 8,263'

TD @ 8,350'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Con. Division  
811 S. 1st Street  
Alamogordo, NM 88210-2834

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1991

C/SF

**RECEIVED**  
NMT 96222

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

6. If Indian, Allottee or Tribe Name

FEB 27 1997

SUBMIT IN TRIPLICATE

**RECEIVED**

7. If Unit or CA, Agreement Designation

OIL CON. DIV.

1. Type of Well

Oil Well  Gas Well  Other

8. Well Name and DST. 2

Ore Ida "14" Fed. #5

2. Name of Operator

Penwell Energy, Inc. (915) 683-2534

FEB 21 '97

9. API Well No.

30-015-29243

3. Address and Telephone No.

600 N. Marienfeld, Ste. 1100, Midland, Texas 79701

ROSWELL, NM

10. Field and Pool, or Exploratory Area

E. Pierce Crossing BS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

935' FNL & 1705' FEL, Section 14, T24S, R29E

11. County or Parish, State

Eddy, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Spud, csg. & cmt.
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 11-30-96 Spudded 17 1/2" surface hole @ 5:00 PM CST. Ran 8 jts. 13 3/8", 48#, H-40, 8rd, STC, new API csg. set @ 351'. Cmt'd w/325 sx. Cl. "C" Neet cmt. containing 3% CaCl<sub>2</sub>. Circ'd 40 sx. to the pit. WOC 24 hrs.
- 12-07-96 Ran 70 jts. 8 5/8", 32#, J-55, 8rd, STC, new API intermediate csg. set @ 3,117'. Cmt'd w/ 1,050 sx of Cl. "C" Lite + 1/4 #/sx flocele + 1# gilsonite/sx + 12% salt mixed @ 12.4 ppg. followed by 250 sx Cl. "C" Neet w/2% CaCl<sub>2</sub>. Plug down to 3,069'. Circ'd to pit. WOC 12 hrs. (12 1/4" hole)
- 12-19-96 Ran 5 1/2", 17#, J-55, 8rd LTC new API production casing set @ 8,350'. Cmt'd w/475 sx. Super Modified Cl. "H" cmt.. Plug down to 8,302'. Opened DV tool and circ'd 40 sx cmt. to the pit. Cmt'd 2nd stage w/186 sx of Cl "C" Lite + 1/4#/sx. cello flakes + 1#/sx filsonite + 12% salt mixed @ 12.4 ppg yield 2.26 sq. ft/sx, mixing water 12.44 gals/sx followed by 375 sx of modified super "H". Plug down to 5,437' @ 9:30 AM 12-19-96. (7 7/8" hole)

14. I hereby certify that the foregoing is true and correct

Signed \_\_\_\_\_ Title Production Analyst Date 2-19-97

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

\*See instruction on Reverse Side

ACCEPTED FOR RECORD  
ORIG. SENT DAVID R. GLASS TOTAL P.01  
FEB 24 1997  
BLM

**ORE IDA 14 FEDERAL #5**  
**APPLICATION FOR INJECTION**  
**Form C-108 Section III**

**III. Well Data--On Injection Well**

**A. Injection Well Information**

- (1) Lease Ore Ida 14 Federal  
Well No #5  
Location 935' FNL & 1705' FEL  
Sec, Twn, Rnge 14-T24S-R29E  
Cnty, State Eddy County, NM
- (2) Casing 13-3/8", 48#, H40, @ 351' in 17-1/2" hole. Cmt'd w/ 325 sxs.  
TOC @ surface. Cement circulated.  
8-5/8", 32#, J55, @ 3,117'. Cmt'd w/ 1300 sxs.  
TOC @ surface. Cement circulated.  
5-1/2", 17#, J55, @ 8,350'. Cmt'd w/ 1036 sxs.  
TOC @ 2970' determined by CBL.
- (3) Injection Tubing 2-3/8", 4.7#, IPC tubing run to +/- 3,130'
- (4) Packer 5-1/2" IPC Packer @ +/- 3,130'

**B. Other Well Information**

- (1) Injection Formation: Delaware Bell Canyon  
Field Name: Cedar Canyon Delaware
- (2) Injection Interval: 3,182' to 3,490' (cased hole, perforated)
- (3) Original Purpose of Wellbore:

The Ore Ida 14 Federal #5 was spud on 11/30/96. It was drilled & completed as an oil producer in the Bone Spring and Delaware Brushy Canyon zones. These zones were plugged off on 10/5/05. The wellbore is currently TA'd effective through 10/4/08.

- (4) Other perforated intervals:

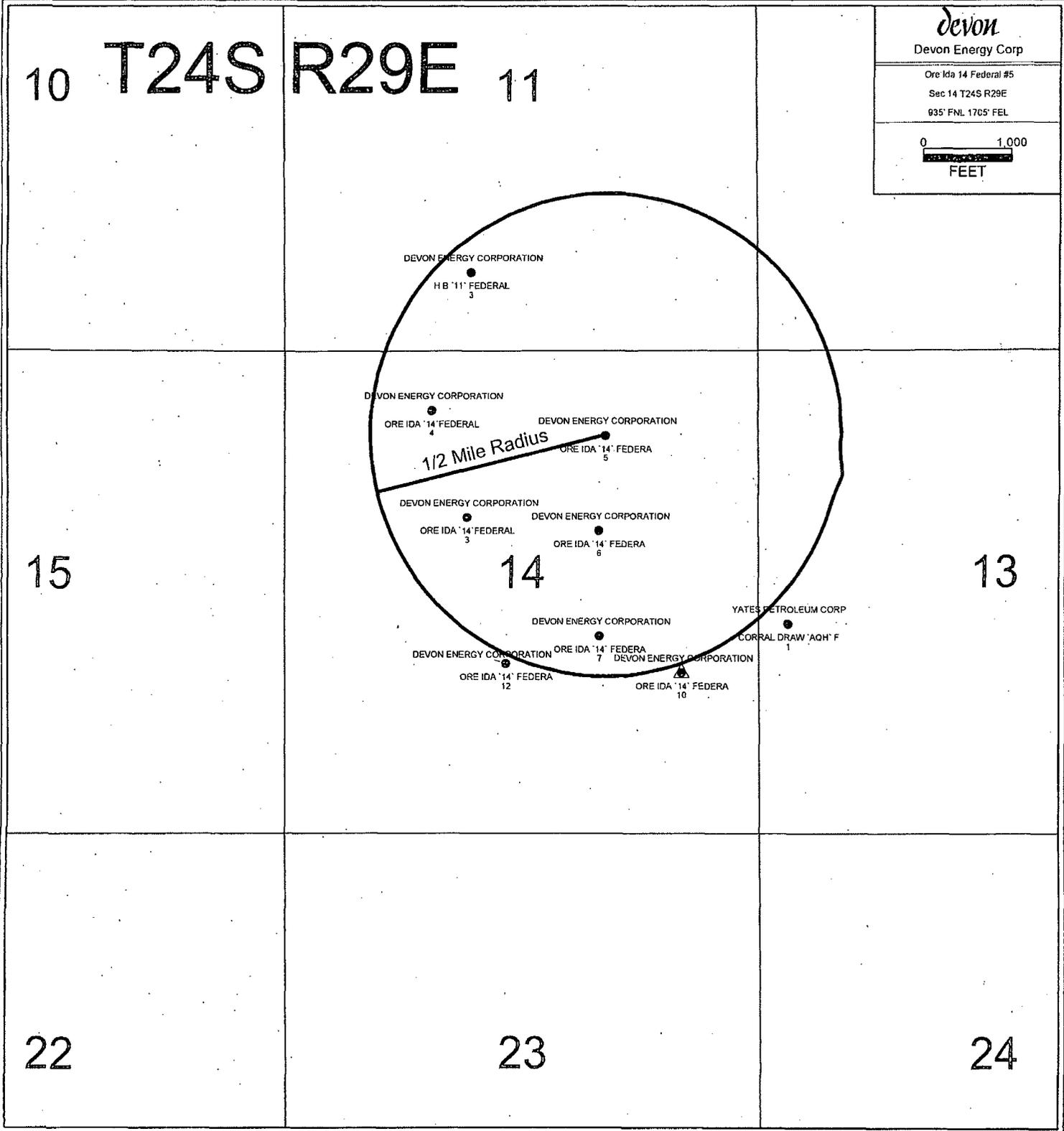
These are the only perforated intervals in the Ore Ida 14 Federal #5 wellbore.

Delaware Brushy Canyon: 6,668' - 6,704'. Abandoned. CIBP @ 6,620' w/35' cement.  
Bone Spring: 7,864' - 8,141'. Abandoned. Below CIBP @ 6,620'.

- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well if any.

No higher or lower gas zones have been productive in the well review area above/below the proposed Delaware Bell Canyon injection interval from 3,182' to 3,490'. The deepest producing oil zone has been in the Bone Spring from 7,864' to 8,152' in Devon's Ore Ida 14 Fed #6. The highest producing oil zone has been in the Delaware Brushy Canyon (6668'-6704') present in the Ore Ida 14 Fed #5. No productive oil zones have been above the proposed Delaware Bell Canyon SWD perforations at 3,182' - 3,490'.

**C108-Item V**  
**Map of Well Review Area**  
**Proposed Injector: Ore Ida 14 Fed #5**  
**Eddy County; Sec 14-T24S-R29E**



C108 ITEM VI--Well Tabulation in Review Area																
Devon Energy Production Company, LP																
Proposed Disposal Well: Ore Ida 14 Federal #5																
Operator	Well Name	API NO	County	Sec	Twn	Rnge	Type	Status	Spud Date	Comp Date	TD	PBTD	Comp Zone	Comp Interval-Ft	Casing Program	Cement / TOC
Devon Energy Prod Co LP	Ore Ida 14 Fed #3	30-015-29042	Eddy	14	24S	29E	Oil	Active	08/08/96	09/10/96	8105	8100	Bone Spring	7798-8002'	13-3/8", 48#, @ 360' 8-5/8", 32#, @ 3079' 5-1/2", 17#, @ 8100'	325 Sx / surface-circulated 1090 Sx / surface-circulated 990 Sx / surface-circulated
Devon Energy Prod Co LP	Ore Ida 14 Fed #4	30-015-28963	Eddy	14	24S	29E	Oil	Active	10/30/96	12/08/96	8350	8308	Bone Spring	7797' - 8064'	13-3/8", 48#, @ 364' 8-5/8", 32#, @ 3080' 5-1/2", 17#, @ 8350'	415 Sx / surface-circulated 325 Sx / surface-circulated 970 Sx / 2700'-CBL
Devon Energy Prod Co LP	Ore Ida 14 Fed #5	30-015-29243	Eddy	14	24S	29E	Oil	TA	11/30/96	03/08/97	8350	6585	Brushy Canyon Bone Spring	6668' - 6704' 7864' - 8141'	13-3/8", 48#, @ 351' 8-5/8", 32#, @ 3117' 5-1/2", 17#, @ 8350'	325 Sx / surface-circulated 1300 Sx / surface-circulated 1036 Sx / 2970'-CBL
Devon Energy Prod Co LP	Ore Ida 14 Fed #6	30-015-29244	Eddy	14	24S	29E	Oil	Active	12/21/96	03/26/97	8350	8304	Bone Spring	7864' - 8152'	13-3/8", 48#, @ 349' 8-5/8", 32#, @ 3102' 5-1/2", 17#, @ 8350'	700 Sx / surface-circulated 1250 Sx / surface-circulated 1390 Sx / 2529'-CBL
Devon Energy Prod Co LP	Ore Ida 14 Fed #7	30-015-29306	Eddy	14	24S	29E	Oil	Active	01/28/97	03/16/97	8354	8303	Bone Spring	7894' - 8115'	13-3/8", 48#, @ 376' 8-5/8", 32#, @ 3124' 5-1/2", 17#, @ 8354'	525 Sx / surface-circulated 1275 Sx / surface-circulated 1050 Sx / 1710'-CBL
Devon Energy Prod Co LP	H B 11 Fed #3	30-015-29249	Eddy	11	24S	29E	Oil	Active	01/21/97	03/06/97	8300	8253	Bone Spring	7958' - 8016'	13-3/8", 48#, @ 385' 8-5/8", 32#, @ 2940' 5-1/2", 15.5# & 17#, @ 8266'	400 Sx / surface-circulated 950 Sx / surface-circulated 920 Sx / 2960'-CBL

CLSF

Form 3160-5  
(June 1990)

N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2834

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

3. Lease Designation and Serial No.

NM-96222

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Penwell Energy, Inc. (915) 683-2534

3. Address and Telephone No.

600 N. Marienfeld, Ste. 1100, Midland, Tx. 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1830' FNL & 2050' FWL Sec. 14, T24S, R29E

8. Well Name and No.

Ore Ida 14 Fed. #3

9. API Well No.

30-015-29042

10. Field and Pool, or Exploratory Area

E Pierce Crossing B

11. County or Parish, State

Eddy County, N.M.

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Spud, Casing	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8-8-96 Spudded 17 1/2" surface hole @ 12. #0 p.m. MST

8-9-96 Ran 8 jts. 13 3/8", 48#, 8rd, STC, new, API csg and set @ 360'. Cemented w/325 sks. of Cl. C Neet + 2% CaCl<sub>2</sub> mixed @ 14.8 #/gal. Plug down to 320'. Circulated 34 sx of cmt. to surface.

8-14-96 Ran 77 jts. 8 5/8", 32#, K-55, 8rd, STC, new, API csg. Cemented w/840 sks. of Cl. "C" Lite + 1/4#/sk. flocele + 1#/sk. gilsonite + 12% salt mixed @ 12.4 #/gal., yield of 2.25 sq. ft/sk. Followed by 250 sks. of Cl. C Neet + 2% CaCl<sub>2</sub> mixed @ 14.8 #/gal. Circ. cmt to surface. (180 sxs)

8-26-96 Ran 204 jts. 5 1/2" csg., 17#, K-55, 8rd, LTC, new, API. Cmt'd w/ 475 sks. of Modified Super H + .4% CFR-3 + 5#/sk. gilsonite + .5% Halad 344. Plug down to 8057'. Floats held o.k. Circ'd 75 sks. of cmt. off tool. Circ'd 4 hrs. cmt'd second stage w/440 sks. of Cl. C Lite + additives. Plug down to 5093'. DV tool closed & held ok. Circ'd 10 sks. of cmt to surface pit. Released rig.

14. I hereby certify that the foregoing is true and correct

Signed Brenda Gillman

Title Production Analyst

Date August 29, 1996

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any

ACCEPTED FOR FILE  
SEP 25 1996  
SGDJ DAVID B. GLASS

**ORE IDA 14 FEDERAL #5**  
**APPLICATION FOR INJECTION**  
**Form C-108 Section VII to XII**

**VII Attach data on the proposed operation, including:**

- (1) Proposed average injection rate: 1000 BWPD  
Proposed maximum injection rate: 2000 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 1000 psi  
Proposed max injection pressure: 2000 psi
- (4) The proposed injection fluid is produced water from the Delaware that will be re-injected into the Delaware Bell Canyon zone. No compatibility issues are anticipated.
- (5) Attached is a water Analysis of Delaware produced waters similar to what will be injected into Delaware Bell Canyon in the the Ore Ida 14 Federal #5, Item VII 5.

**VIII Geologic Injection Zone Data**

The proposed injection zone is the Delaware Bell Canyon formation at a depth from 3,182' to 3,490'. The depth to the base of known aquifers is unclear, however the top of the Salado appears to be at 210', indicating fresh waters to be above this. Surface casing was run to 351' and cemented to surface in the Ore Ida 14 Fed #5.

**IX Proposed Stimulation**

Depending on injection rates and pressures, the proposed injection zone could be acidize with +/- 5000 gallons 7.5% NeFe acid and fraced w/+/-120,000# proppant.

**X Log Data**

Well logs have previously been submitted to the OCD.

**XI Fresh Water Analysis**

Per New Mexico Office of State Engineer no fresh water wells are present in Sections 11, 12, 13, and 14 of T24S, R29E.

**XII Geologic / Engineering Statement**

An examination of this area has determined there are no open faults or other hydrologic connection between the disposal zone and any underground drinking water.

**XIII Proof of Notice**

Proof of notice to surface owner, leasehold operator, and public legal notification is attached

**C108-Item VII #5**  
**Water Analysis**  
**Delaware Produced Water**  
**Ore Ida 14 Fed 10 Disposal Station**

North Permian Basin Region  
P.O. Box 740  
Sundown, TX 79372-0740  
(806) 229-8121  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	DEVON ENERGY CORPORATION	Sales RDT:	44221
Region:	PERMIAN BASIN	Account Manager:	SHAWNA MATTHEWS (505) 910-9393
Area:	ARTESIA, NM	Sample #:	403708
Lease/Platform:	ORE IDA '14' FEDERAL	Analysis ID #:	78129
Entity (or well #):	10 SWD	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 403708 @ 75 °F					
Sampling Date:	12/13/07	<b>Anions</b>	mg/l	meq/l	<b>Cations</b>	mg/l	meq/l
Analysis Date:	12/26/07	Chloride:	146451.0	4130.85	Sodium:	66003.6	2871.
Analyst:	STACEY SMITH	Bicarbonate:	98.8	1.62	Magnesium:	3326.0	273.61
TDS (mg/l or g/m3):	237298.4	Carbonate:	0.0	0.	Calcium:	18797.0	937.97
Density (g/cm3, tonne/m3):	1.166	Sulfate:	322.0	6.7	Strontium:	901.0	20.57
Anion/Cation Ratio:	1	Phosphate:			Barium:	1.5	0.02
Carbon Dioxide:		Borate:			Iron:	20.0	0.72
Oxygen:		Silicate:			Potassium:	1372.0	35.09
Comments:		Hydrogen Sulfide:			Aluminum:		
		pH at time of sampling:		5.2	Chromium:		
		pH at time of analysis:			Copper:		
		pH used in Calculation:		5.2	Lead:		
					Manganese:	5.500	0.2
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
°F	psi											psi
80	0	-0.82	0.00	-0.38	0.00	-0.34	0.00	-0.10	0.00	0.21	0.28	3.34
100	0	-0.74	0.00	-0.46	0.00	-0.35	0.00	-0.12	0.00	0.02	0.00	4
120	0	-0.66	0.00	-0.52	0.00	-0.33	0.00	-0.13	0.00	-0.15	0.00	4.63
140	0	-0.57	0.00	-0.57	0.00	-0.29	0.00	-0.12	0.00	-0.29	0.00	5.2

- Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.
- Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.
- Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

**Form C-108 Section XIV**  
**Proof of Notice to Surface Land Owner**

Application For Injection in Ore Ida 14 Federal #5  
Devon Energy Production Company, LP

**Surface Land Owner**

Bureau of Land Management  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, NM 88220

Certified receipt No.  
**7007 0710 0001 9808 5096**

A copy of this application has been mailed to the above surface land owner by certified mail, pertaining to Devon Energy's application for salt water disposal in the Ore Ida 14 Federal #5.

Date Mailed: 12/28/2007

Signature: Ronnie Slack

Date: 12/28/07

Ronnie Slack, Engineering Technician  
Devon Energy Production Co., L.P.  
20 N. Broadway, Suite 1500  
Oklahoma City, OK 73102

**Form C-108 Section XIV**  
**Proof of Notice to Leasehold Operator**

Application For Injection in Ore Ida 14 Federal #5  
Devon Energy Production Company, LP

**Leasehold Operators within 1/2 mile of Ore Ida 14 Federal #5**

Yates Petroleum Corporation  
105 S. 4th  
Artesia, NM 88210

Certified receipt No.  
**7007 0710 0001 9808 5102**

A copy of this application has been mailed to the above leasehold operator by certified mail, pertaining to Devon Energy's application for salt water disposal in the Ore Ida 14 Federal #5.

Date Mailed: 12/28/2007

Signature: Ronnie Slack

Date: 12/28/07

Ronnie Slack, Engineering Technician  
Devon Energy Production Co., L.P.  
20 N. Broadway, Suite 1500  
Oklahoma City, OK 73102

**Affidavit of Publication**

State of New Mexico,  
County of Eddy, ss.

**April Hernandez**, being first duly sworn,  
on oath says:

That she is HR Manager of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

November 9 2007

That the cost of publication is \$ 49.09 that Payment Thereof has been made and will be assessed as court costs.

*April Hernandez*

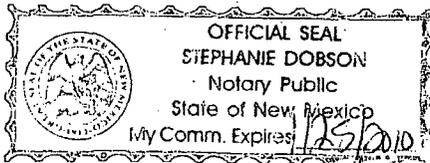
Subscribed and sworn to before me this

9 day of November, 2007

*Stephanie Dobson*

My commission Expires on 1/25/2010

Notary Public



November 9, 2007

Legal Notice

Devon Energy Production Company, LP, 20 North Broadway, Oklahoma City, OK 73102-8260 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Ore Ida 14 Federal #5, located 935' FNL & 1705' FEL, Section 14, Township 24 South, Range 29 East, in Eddy County, New Mexico, will be used for salt water disposal. Disposal waters from the Delaware will be injected into the Delaware Bell Canyon formation at a depth of 3182-3204, 3214-3234, 3246-3280, 3360-3380 and 3474-3490. A maximum injection rate of 2000 BWPD and maximum injection pressure of 1000 psi is expected.

All interested parties opposing the aforementioned must file objections or request for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472, within 15 days. Additional information can be obtained by contacting Jim Cromer at (405) 228-4464.



**Injection Permit Checklist 2/8/07**

SWD Order Number 113 Dates: Division Approved \_\_\_\_\_ District Approved \_\_\_\_\_

Well Name/Num: ORE IDA 14 FEDERAL #5 Date Spudded: 11/30/96

API Num: (30-) 015-29243 County: FOOT

Footages 935 FNL/1705 FEL Sec 14 Tsp 24S Rge 29E

Operator Name: DEVON Energy Production Company, LP Contact: Ronnie SLACK

Operator Address: 20 North Broadway, Suite 1500, OKC, OK 73102

Current Status of Well: TA SINCE 10/15/05 Planned Work: \_\_\_\_\_ Inj. Tubing Size: 2 3/8

	Hole/Pipe Sizes		Depths	Cement	Top/Method
Surface	17 1/2	13 3/8	351	325	CIRC
Intermediate	12 1/4	8 5/8	317	1300	CIRC
Production	7 7/8	5 1/2	8350	1036	2970 CBL
Last DV Tool			5428		
Open Hole/Liner					
Plug Back Depth			(TD = 8350)		

Diagrams Included (Y/N): Before Conversion  After Conversion

Checks (Y/N): Well File Reviewed  ELogs in Imaging

Intervals:	Depths	Formation	Producing (Yes/No)
<del>Salt Potash</del>	210 Top		
Capitan Reef	No Pattern Area of Reef		
<del>Cliff House, Etc.</del>			
<del>Formation Above</del>			
Top Inj Interval	3182	Ball C.	636 PSI Max. WHIP
Bottom Inj Interval	3490		NO Open Hole (Y/N)
Formation Below			NO Deviated Hole (Y/N)

Fresh Water: Depths: \_\_\_\_\_ Wells (Y/N) None Analysis Included (Y/N): \_\_\_\_\_ Affirmative Statement

Salt Water Analysis: Injection Zone (Y/N/NA) Del DisPWaters (Y/N/NA) \_\_\_\_\_ Types: Del

Notice: Newspaper (Y/N)  Surface Owner BLM Mineral Owner(s) \_\_\_\_\_

Other Affected Parties: Yates

AOR/Repairs: NumActiveWells 5 Repairs? \_\_\_\_\_ Producing in Injection Interval in AOR \_\_\_\_\_

AOR Num of P&A Wells 0 Repairs? \_\_\_\_\_ Diagrams Included? \_\_\_\_\_ RBDMS Updated (Y/N) \_\_\_\_\_

Well Table Adequate (Y/N) \_\_\_\_\_ AOR STRs: Sec 14 Tsp 24 Rge 29E UIC Form Completed (Y/N) \_\_\_\_\_

New AOR Table Filename \_\_\_\_\_ Sec 11 Tsp \_\_\_\_\_ Rge \_\_\_\_\_ This Form completed \_\_\_\_\_

Conditions of Approval: Sec 13 Tsp \_\_\_\_\_ Rge \_\_\_\_\_ Data Request Sent \_\_\_\_\_

Set CBP ≈ 3705  
Send copy of CBL to Hells  
Test/Swab new Ball C. Perf?

AOR Required Work: \_\_\_\_\_

Required Work to this Well: \_\_\_\_\_

BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

Disposal of Produced Water From Federal Wells  
Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency shall be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Order No. 7.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. Any on-lease open top storage tanks shall be covered with a protective cover to prevent entry by birds and other wildlife.
6. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
7. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.
8. Disposal at any other site will require prior approval.
9. Subject to like approval by NMOCD.

7/10/14