

DGA

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018

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. NMNM43564

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No. GAUCHO 21 FED 6H

9. API Well No. 30-025-44178-00-X1

10. Field and Pool or Exploratory Area WC025G06S223421L-BONE SPRING

11. County or Parish, State LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

HOBBS OCD APR 11 2019 RECEIVED

1. Type of Well [X] Oil Well [ ] Gas Well [ ] Other

2. Name of Operator DEVON ENERGY PRODUCTION COMPANY Contact: REBECCA DEAL Rebecca.Deal@dvn.com

3a. Address 333 WEST SHERIDAN AVENUE OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code) Ph: 405-228-8429

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T22S R34E 175FSL 185FEL 32.370411 N Lat, 103.467056 W Lon

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

Table with 2 columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Acidize, Deepen, Production (Start/Resume), Water Shut-Off, etc.

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.

WATER PRODUCTION & DISPOSAL INFORMATION

Gaucha 21 Fed 6H

1. Name(s) of formation(s) producing water on the lease: WC-025 G-06 S223421L; BONE SPRING ✓

2. Amount of water produced from all formations in barrels per day: 1500BWPD ✓

4. How water is stored on lease: 2-750 BBLS Water Tanks at Gaucha 21 Well Pad 2 Battery ✓

5. How water is moved to the disposal facility: Piped ✓

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

Electronic Submission #458545 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION COMPAN, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 03/20/2019 (19PP1394SE)

Name (Printed/Typed) REBECCA DEAL

Title REGULATORY COMPLIANCE PROFESSI

Signature (Electronic Submission)

Date 03/19/2019

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

MAR 21 2019

BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

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)

\*\* BLM REVISED \*\*

Handwritten signature

**Additional data for EC transaction #458545 that would not fit on the form**

**32. Additional remarks, continued**

6. Identify the Disposal Facility by:

A. Facility Operators Name: a) Devon Energy Corp b) Devon Energy Corp

B. Facility or well name/number: a) Rio Blanco 33 Fed 2 SWD b) Rio Blanco 4 Fed 3 SWD

C. Type of Facility or well (WDW) (WIW): a) WDW b) WDW

D.1) Location by ?? NW/4 SE/4 Section 4 Township 23S Range 34E

} ✓

D.2) Location by ?? SW/4 NW/4 Section 33 Township 22S Range 34E

CD Hobbs

State of New Mexico  
Energy, Minerals and Natural Resources Department

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Susana Martinez  
Governor

David Martin  
Cabinet Secretary

Tony Delfin  
Deputy Cabinet Secretary

David R. Catanach, Division Director  
Oil Conservation Division



Administrative Order SWD-1618  
February 25, 2016

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Pursuant to the provisions of Division Rule 19.15.26.8B. NMAC, Devon Energy Production Company, LP (the "operator") seeks an administrative order for its Rio Blanco 33 Federal SWD Well No. 2 with a location 1980 feet from the North Line and 1980 feet from the West line, Unit F of Section 33, Township 22 South, Range 34 East, NMPM, Lea County, New Mexico, for disposal of produced water.

**THE DIVISION DIRECTOR FINDS THAT:**

The application has been duly filed under the provisions of Division Rule 19.15.26.8B. NMAC and satisfactory information has been provided that affected parties have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in Division Rule 19.15.26.8 NMAC have been met and the operator is in compliance with Division Rule 19.15.5.9 NMAC.

**IT IS THEREFORE ORDERED THAT:**

Devon Energy Production Company, LP (OGRID 6137), is hereby authorized to utilize its Rio Blanco 33 Federal SWD Well No. 2 (API 30-025-36360) with a location 1980 feet from the North Line and 1980 feet from the West line, Unit F of Section 33, Township 22 South, Range 34 East, NMPM, Lea County, for disposal of oil field produced water (UIC Class II only) into the Devonian formation through open-hole interval from 14570 feet to 14660 feet. Disposal shall occur through internally-coated tubing and a packer set within 100 feet of the permitted disposal interval.

*This permit does not permit disposal into the Ellenburger formation (lower Ordovician) or lost circulation intervals directly on top and obviously connected to this formation.*

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the disposed water enters only the approved disposal interval and is not permitted to escape to other formations or onto the surface. The well construction shall be as proposed and described in the application.

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

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on the well shall be limited to **no more than 2914 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate Test.

The operator shall notify the supervisor of the Division's District office of the date and time of the installation of disposal equipment and of any MIT so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's District office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's District office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

The injection authority granted under this order is not transferable except upon division approval. The Division may require the operator to demonstrate mechanical integrity of any injection or disposal well that will be transferred prior to approving transfer of authority to inject.

The Division may revoke this disposal permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two (2) years after the effective date of this order if the operator has not commenced disposal operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

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 or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.



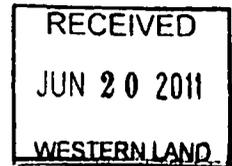
DAVID R. CATANACH  
Director

DRC/wvjj

cc: Oil Conservation Division – Hobbs District Office  
Bureau of Land Management – Carlsbad Field Office  
Well File: 30-025-36360

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

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



CASE NO. 14600  
ORDER NO. R-13410

APPLICATION OF DEVON ENERGY PRODUCTION COMPANY, L.P. FOR  
APPROVAL OF A SALT WATER DISPOSAL WELL, LEA COUNTY, NEW  
MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on March 17, 2011, at Santa Fe, New Mexico, before Examiner William V. Jones.

NOW, on this 13<sup>th</sup> day of June, 2011, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner,

FINDS THAT:

(1) Due public notice has been given, and the Division has jurisdiction of this case and its subject matter.

(2) The applicant, Devon Energy Production Company, L.P. ("Devon" or "applicant"), seeks authority to utilize its Rio Blanco 4 Federal Well No. 3 (API No. 30-025-36425, the "subject well"), located 1650 feet from the South line and 1650 feet from the East line, Unit J of Section 4, Township 23 South, Range 34 East, NMPM, Lea County, New Mexico, for oil field water disposal into the Devonian formation from 14,500 feet to 14,653 feet.

(3) This application was set to hearing by the applicant due to the presence of two Devonian gas wells within the ½ mile Area of Review:

- a. The Rio Blanco 4 Federal Well No. 1 (API No. 30-025-34515) operated by Devon is a vertical well producing from the Northeast Bell Lake-Devonian Gas Pool (Pool Code 97328) at approximately 200 Mcf gas per

day and 700 barrels of water per day. The estimated ultimate gas recovery from this well is 7.6 Bcf gas (Exhibit No. 3).

- b. The Rio Blanco 9 State Well No. 1 (API No. 30-025-36302) also operated by Devon is a vertical well producing from the Northeast Bell Lake-Devonian Gas Pool (Pool Code 97328) at approximately 100 Mcf gas per day and 30 barrels of water per day. The estimated ultimate gas recovery from this well is 1.1 Bcf gas (Exhibit No. 3).

(4) Devon presented exhibits and testimony at the hearing from a geologist and an engineer. An affidavit from a landman was subsequently presented for the record. The testimony and exhibits indicate the following:

- a. The subject well was completed in May of 2004 in the Northeast Bell Lake-Devonian Gas Pool (Pool Code 97328). The Devonian formation gas production from this well has totaled approximately 3.4 Bcf gas. The production has declined and the last reported production – approximately one year ago - showed the well produced at a rate of 592 Mcf gas per day and 2464 barrels of water per day.
- b. The subject well has produced approximately 2.8 million barrels of water, or more than both of the two offsetting wells combined. The water seems to have come from below rather than laterally.
- c. Devon does not intend to attempt any further production from the Devonian formation within this wellbore and intends to convert this temporarily abandoned well to injection into the existing open hole interval.
- d. Devon expects disposal waters to preferentially enter the fractures in the Devonian formation and travel down instead of horizontally.
- e. The source waters going into this well would originate primarily from Devon's local Devonian wells.
- f. There is no effect predicted on the two offsetting gas wells and if such production were in fact harmed by this disposal, then Devon could immediately cease injection into this well.
- g. Devon does not expect any waste of oil or gas to occur as a result of disposal into the Devonian formation.
- h. Devon expects to extend the producing life of the existing producing wells by using this well for disposal of waste water.

- i. The U.S. Bureau of Land Management is the surface and mineral owner. The BLM was notified and examined the application and submitted a letter in support.
- j. The well is adequately equipped and cemented to isolate any fresh water intervals.

(5) The half mile Area of Review around this well contains no plugged wells and two wells that are active or have not yet been plugged, that penetrate the disposal interval. All Area of Review wells are adequately cased and cemented in order to isolate the disposal interval.

(6) The application has been duly filed under the provisions of 19.15.26.8 NMAC. Affected parties have been notified and no objections have been received. There were no other appearances at the hearing or objections to this application.

(7) The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with 19.15.5.9 NMAC.

(8) This application as presented by Devon should be approved.

**IT IS THEREFORE ORDERED THAT:**

(1) Devon Energy Production Company, L.P. ("Devon" or "operator"), is hereby authorized to utilize its Rio Blanco 4 Federal Well No. 3 (API No. 30-025-36425) located 1650 feet from the South line and 1650 feet from the East line, Unit J of Section 4, Township 23 South, Range 34 East, NMPM, Lea County, New Mexico, for oil field water disposal (limited only to UIC Class II fluids) into the Devonian formation open hole interval from 14,500 feet to 14,653 feet through lined tubing and a packer set within 100 feet above the permitted disposal interval.

(2) The operator shall take all steps necessary to ensure that the disposed water enters only the permitted disposal interval depths and is not permitted to escape to other formations or onto the surface.

(3) After installing tubing, 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. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

(4) The wellhead injection pressure on the well shall be limited to **no more than 2900 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

(5) The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate-Test.

(6) The operator shall notify the supervisor of the Division's district office 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 provide written notice of the date of commencement of disposal to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with rules 19.15.26.13 NMAC and 19.15.7.24 NMAC.

(7) Without limitation on the duties of the operator as provided in 19.15.29 NMAC and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from or around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

(8) The injection authority granted under this order is not transferable except upon Division approval. The Division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

(9) The Division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

(10) The Division Director shall be authorized to amend this permit administratively after proper notice and opportunity for hearing.

(11) The disposal authority granted herein shall terminate two years 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, mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

(12) One year after disposal into the well has ceased, the authority to dispose will terminate *ipso facto*.

(13) Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

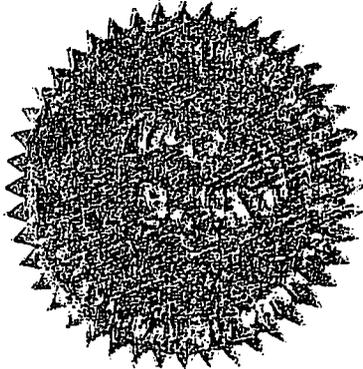
(14) Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or

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Order No. R-13410  
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upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing or prior to notice and hearing in event of an emergency, terminate the disposal authority granted herein.

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



SEAL

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

A handwritten signature in cursive script, appearing to read "Jami Bailey".

JAMI BAILEY  
Director