

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
Revised August 1, 2011

**For temporary pits, closed-loop systems, and below-grade tanks,** submit to the appropriate NMOCD District Office.  
**For permanent pits and exceptions** submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

**Pit, Closed-Loop System, Below-Grade Tank, or  
Proposed Alternative Method Permit or Closure Plan Application**

- Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☐ Modification to an existing permit  
☐ Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

**Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request**

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.	
Operator: <u>Devon Energy Production Company, LP</u> OGRID #: <u>6137</u>	
Address: <u>333 W. Sheridan Avenue, Oklahoma City, Oklahoma, 73102</u>	
Facility or well name: <u>Turquoise 27-5</u>	
API Number: <u>30-015-40583</u> OCD Permit Number: _____	
U/L or Qtr/Qtr <u>A</u> Section <u>27</u> Township <u>19S</u> Range <u>29E</u> County: <u>Eddy</u>	
Center of Proposed Design: Latitude <u>32.6362188 N</u> Longitude <u>104.054923W</u> NAD: <input type="checkbox"/> 192 <input checked="" type="checkbox"/> 1983	
Surface Owner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment	
2.	
<input checked="" type="checkbox"/> <b>Pit:</b> Subsection F or G of 19.15.17.11 NMAC	
Temporary: <input type="checkbox"/> Drilling <input type="checkbox"/> Workover <input checked="" type="checkbox"/> Other Poseidon Concepts Atlantis Modular Impoundment	
<input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> P&A	
<input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness _____ mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
<input type="checkbox"/> String-Reinforced	
Liner Seams: <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other _____ Volume: _____ bbl - Dimensions: L _____ x W _____ x D _____	
3.	
<input type="checkbox"/> <b>Closed-loop System:</b> Subsection H of 19.15.17.11 NMAC	
Type of Operation: <input type="checkbox"/> P&A <input type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)	
<input type="checkbox"/> Drying Pad <input type="checkbox"/> Above Ground Steel Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other _____	
<input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness _____ mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
Liner Seams: <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other _____	
4.	
<input type="checkbox"/> <b>Below-grade tank:</b> Subsection I of 19.15.17.11 NMAC	
Volume: _____ bbl Type of fluid: _____	
Tank Construction material: _____	
<input type="checkbox"/> Secondary containment with leak detection <input type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	
<input type="checkbox"/> Visible sidewalls and liner <input type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other _____	
Liner type: Thickness _____ mil <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
5.	
<input type="checkbox"/> <b>Alternative Method:</b>	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	

6.

**Fencing:** Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

- ☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☐ Alternate. Please specify \_\_\_\_\_

7.

**Netting:** Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

- ☐ Screen ☐ Netting ☐ Other \_\_\_\_\_
- ☐ Monthly inspections (If netting or screening is not physically feasible)

8.

**Signs:** Subsection C of 19.15.17.11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☐ Signed in compliance with 19.15.16.8 NMAC

9.

**Administrative Approvals and Exceptions:**

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

**Please check a box if one or more of the following is requested, if not leave blank:**

- ☐ Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.
- ☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.

**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC

**Instructions:** The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. <i>(Applies to temporary, emergency, or cavitation pits and below-grade tanks)</i> - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> es <input type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. <i>(Applies to permanent pits)</i> - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

11.

**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC

and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12.

**Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC

and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_☐ Previously Approved Operating and Maintenance Plan API Number: \_\_\_\_\_ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.

**Proposed Closure:** 19.15.17.13 NMAC**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Closed-loop System  
☐ Alternative Modular impoundment for temporary storage of treated produced waterProposed Closure Method: ☐ Waste Excavation and Removal  
☐ Waste Removal (Closed-loop systems only)  
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)  
☐ In-place Burial ☐ On-site Trench Burial  
☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.

**Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13
- ☐ NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.

**Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)

**Instructions:** Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please provide the information below) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

**Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC

**Instructions:** Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No

☐ NA

Ground water is between 50 and 100 feet below the bottom of the buried waste

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No

☐ NA

Ground water is more than 100 feet below the bottom of the buried waste.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No

☐ NA

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☐ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

18.

**On-Site Closure Plan Checklist :** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of

☐ Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC

☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11

☐ NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC

☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13

☐ NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site

☐ Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19. **Operator Application Certification:**  
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

20. **OCD Approval:** ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

**OCD Representative Signature:** \_\_\_\_\_ **Approval Date:** \_\_\_\_\_

**Title:** \_\_\_\_\_ **OCD Permit Number:** \_\_\_\_\_

21. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC  
*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

☒ Closure Completion Date: August 6, 2013

22. **Closure Method:**  
☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)  
☐ If different from approved plan, please explain.

23. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**  
*Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.*

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?  
☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

☐ Site Reclamation (Photo Documentation)  
☐ Soil Backfilling and Cover Installation  
☐ Re-vegetation Application Rates and Seeding Technique

24. **Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

☒ Proof of Closure Notice (surface owner and division)  
☐ Proof of Deed Notice (required for on-site closure)  
☒ Plot Plan (for on-site closures and temporary pits)  
☒ Confirmation Sampling Analytical Results (if applicable)  
☐ Waste Material Sampling Analytical Results (required for on-site closure)  
☒ Disposal Facility Name and Permit Number  
☒ Soil Backfilling and Cover Installation  
☐ Re-vegetation Application Rates and Seeding Technique ☒ Alternative to Re-vegetation  
☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 32.6362188 N Longitude 104.054923W NAD: ☒ 192 ☐ 1983

25. **Operator Closure Certification:**  
 I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): James L. Cromer Title: Sr. Operations Advisor

Signature: James L. Cromer Date: 8/14/2013

e-mail address: james.cromer@dmv.com Telephone: 405-228-4464

## Closure Summary for Treatment Operations (EPWM-011)

PREPARED FOR: Brad Jones - New Mexico Oil  
Conservation Division's  
Environmental Bureau

PREPARED BY: Devon Energy  
DATE: August 28, 2013

Devon Energy is submitting the following Closure Report containing information required under NMAC 19.15.17.13.J for the closure of the modular impoundment used to store treated produced water for fracturing operations at the Turquoise 27-005H well.

### Summary of Operations

Devon Energy completed the fracture stimulation at the Turquoise 27-005H well on March 30, 2013 at which time a cap plug was set in the well. A total of 47,555 bbls of water was transported to the location for use in the fracture treatment of the well. This total volume was comprised of 41,035 bbls of produced water and 6,520 bbls of freshwater. The fresh water was placed into the Poseidon modular impoundment to secure the liner of the impoundment prior to transfer of the treated produced water. All 41,035 bbls of the produced water which was hauled to the site was treated by the Baker Hughes H2pro™ treatment system. The total volume of water used during the wellbore stimulation was 44,195 bbls, leaving a difference of 3,360 bbls of treated produced water to be properly disposed. **Table 1** provides a brief summary for the volumes of water used during this project.

TABLE 1  
Summary of Water Volumes (bbls)

Produced Water Transported to Site and Treated	Fresh Water Transported to Site	Water Used for Wellbore Stimulation	Water Transported Offsite for Disposal
41,035	6,520	44,195	3,360

### Closure Activities

Fracturing operations at the Turquoise 27-005H well were completed on May 30, 2013. Devon Energy provided notification of their intent to close the site to both the State Land Office (Land Owner) and the NMOC District Office (**Attachment A**), and then began implementing their closure plan for the Poseidon modular impoundment.

Closure of the modular impoundment began on March 31, 2013. All of the treated produced water still remaining in the impoundment after completion of the frac job was removed from the impoundment through the sump and transferred to vacuum trucks operated by Steve Kent Trucking NM, LLC (C133-246) and Stone Oilfield Services, LLC (C133-173). Once all the standing water was removed from the impoundment, Devon utilized a fresh water pressurized-spray power washer to rinse all surfaces of the storage units which were exposed to the treated produced water. The water used during rinsing of the modular impoundment liner and inside was collected in the impoundments sump and transferred to the vacuum trucks operated by either Steve Kent Trucking or Stone Oilfield Services.

The produced water removed from the site was transported from by Steve Kent Trucking and Stone Oilfield Services, LLC (C133-173) and injected in the facilities listed in **Table 2**.

TABLE 2  
**Disposal Facilities**

Facility Name	Facility Operator	Order Number	API Number
Sand Hills SWD Well No. 1	Havenor Operating Co.	SWD-1182	30-015-29104
Loco Hills Water Disposal No. 1	Ray Westall Operating, Inc.	SWD- 1089	30-015-03979
Anderson No. 001	J Cooper Enterprises, Inc.	R-12375	30-025-29962

Devon began to remove the liner and geotextile materials from the modular impoundment once all the liquids were transferred to the vacuum trucks. The liner, geotextile material, and any other non-reusable components of the modular impoundment system were transported via BMB Rentals to the R360 Permian Basin, LLC (NM-1-006/R-9166) disposal facility. Copies of the C-138 manifests for the solid waste disposal are included in **Attachment C**. The last of the solids waste components of the modular impoundment were removed from the Turquoise location on April 3, 2013. At this point, Devon arranged for the modular impoundment to be broken down and removed from the site.

Devon contracted with Talon LPE to perform the soil sample collection and testing as required under NMAC 19.15.17.13.B. Talon arrived at the Turquoise 27-005H location on May 6, 2013 to collect soil from underneath the modular impoundment. Talon collected a 5-point composite sample from the modular impoundment footprint which consisted of grabs taken from the centerpoint and 40 foot offsets in the cardinal directions. The collected samples were prepared and sent to Cardinal Laboratories for analysis, the results of which are included in **Attachment D**. In addition to the composite sample, Talon also collected individual samples from each of the grab locations at a depth of 6" below the pad surface and tested for chloride using the field titration method. The results of this test are listed in **Table 3**.

TABLE 3  
**Results from the Field Titration Test Method for Chlorides**

Sample Location	Chlorides (mg/kg)
North 40' Offset - 6"	141
East 40' Offset - 6"	141
South 40' Offset - 6"	212
West 40' Offset - 6"	354
Centerpoint - 6"	141

The analytical results of the confirmation sampling, presented in **Table 4**, show that all the constituents tested in the composite sample were below their allowable concentration with the exception of chloride; chloride concentration in the composite sample was found to be 1760 mg/kg.

TABLE 4  
**Confirmation Sampling Analytical Results**

Sample	BTEX (mg/kg)	Chlorides (mg/kg)	TPH 8015M (mg/kg)	TPH 8015M (mg/kg)	TPH418.1 (mg/kg)
			GRO	DRO	
Composite	<0.300	1760	<10	<10	<100

Devon provided notice to the OCD Artesia district office of the potential release. Devon's notification, OCD approved remediation plan, and testing results are included as **Attachment E** of this report

Talon returned to the location to perform further chloride test on the soil in the impoundment footprint on May 30<sup>th</sup>. Talon took initial individual samples at the locations listed in Table at a depth of 3 inches beneath the surface of the pad. If the concentration of chloride in the 3 inch sample was found to be above 500 mg/kg, Talon then took an additional sample at a depth of 6 inches at the same location. Talon tested the samples using the field titration test method for chloride, the results of which are provided in **Table 5**.

TABLE 5  
Results from Field Titration Test Method for Chloride

Sample Location	Depth of Sample	Chlorides (mg/kg)
North 40' Offset	3"	2061
	6"	141
East 40' Offset	3"	282
	6"	1923
South 40' Offset	3"	282
	6"	687
West 40' Offset	3"	141
	6"	141
Centerpoint	3"	141

In accordance with the OCD approved remediation plan, excavation began on the pad material within the footprint of the modular impoundment to a depth of 3 to 6 inches on May 30<sup>th</sup>. Talon excavated approximately 260 cubic yards of material from the footprint and transported this material to the R360 Permian Basin, LLC (NM-1-006/R-9166) for disposal; copies of the disposal tickets for the waste hauled to R360 are included in **Attachment F**. Talon replaced this material with caliche removed from the southern edge of the location. The excavated area and sump were backfilled, rolled, watered, and recontoured to match the grade of the surrounding production pad on May 31<sup>st</sup>. Photo documentation of site closure is provided in **Attachment G**.

### Soil Backfilling and Cover Installation

No additional backfill was required. The affected pad area was bladed, watered, and rolled to mat the contour of the surrounding production pad. The contour of the production pad was constructed to prevent the ponding of water and erosion of cover material.

### Alternative to Revegetation

In accordance with the agreement between Devon Energy and the State Land Office, Devon Energy reclaimed the location as an active production pad for the Turquoise 27-005H well as an alternative to re-vegetation. Devon Energy will re-vegetate the site pursuant to the provisions under NMAC 19.15.17.13.I during closure of the Turquoise 27-005H well.



---

## Attachment A: Proof of Closure Notices

---

Terry Warnell  
New Mexico State Land Office  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501


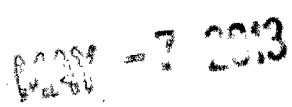
Subject: Notification of Intent to Close the Modular Impoundment Site at the Turquoise 27-5 Well.

Dear Terry:

Devon Energy Production Company, LP. presents this notification, in compliance with NMAC 19.15.17.13.J.2, to inform the State Land Office (surface owner) of Devon's intent to close the modular impoundment site at the Turquoise PWU 27 No. 005H (API 30-015-40583) well located in ULSTR A-27-19S-29E of Eddy County, New Mexico.

Sincerely,

Devon Energy

COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Items 1, 2, and 3. Also complete if Registered Delivery is desired. Write name and address on the reverse to return the card to you. Attach card to the back of the mailpiece, if space permits.	A. Signature  <input checked="" type="checkbox"/> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
Used to:	B. Received by (Printed Name) C. Date of Delivery
Warnell New Mexico State Land Office 310 Santa Fe Trail Santa Fe, New Mexico 87501	D. Is delivery address different from item 1? <input checked="" type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No 
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
or service label)	7012 2210 0001 7109 2838
February 2004	Domestic Return Receipt
	102595-02-M-1540

Randy Dade  
New Mexico Oil Conservation Division  
District 2 - Artesia  
811 S. First Street  
Artesia, New Mexico 88210

Subject: Notification of Intent to Close the Modular Impoundment Site at the Turquoise 27-5 Well.

Dear Randy:

Devon Energy Production Company, LP. presents this notification, in compliance with NMAC 19.15.17.13.J.2, to inform the Artesia District of the New Mexico Oil Conservation Division of Devon's intent to close the modular impoundment site at the Turquoise PWU 27 No. 005H (API 30-015-40583) well located in ULSTR A-27-19S-29E of Eddy County, New Mexico.

Sincerely,

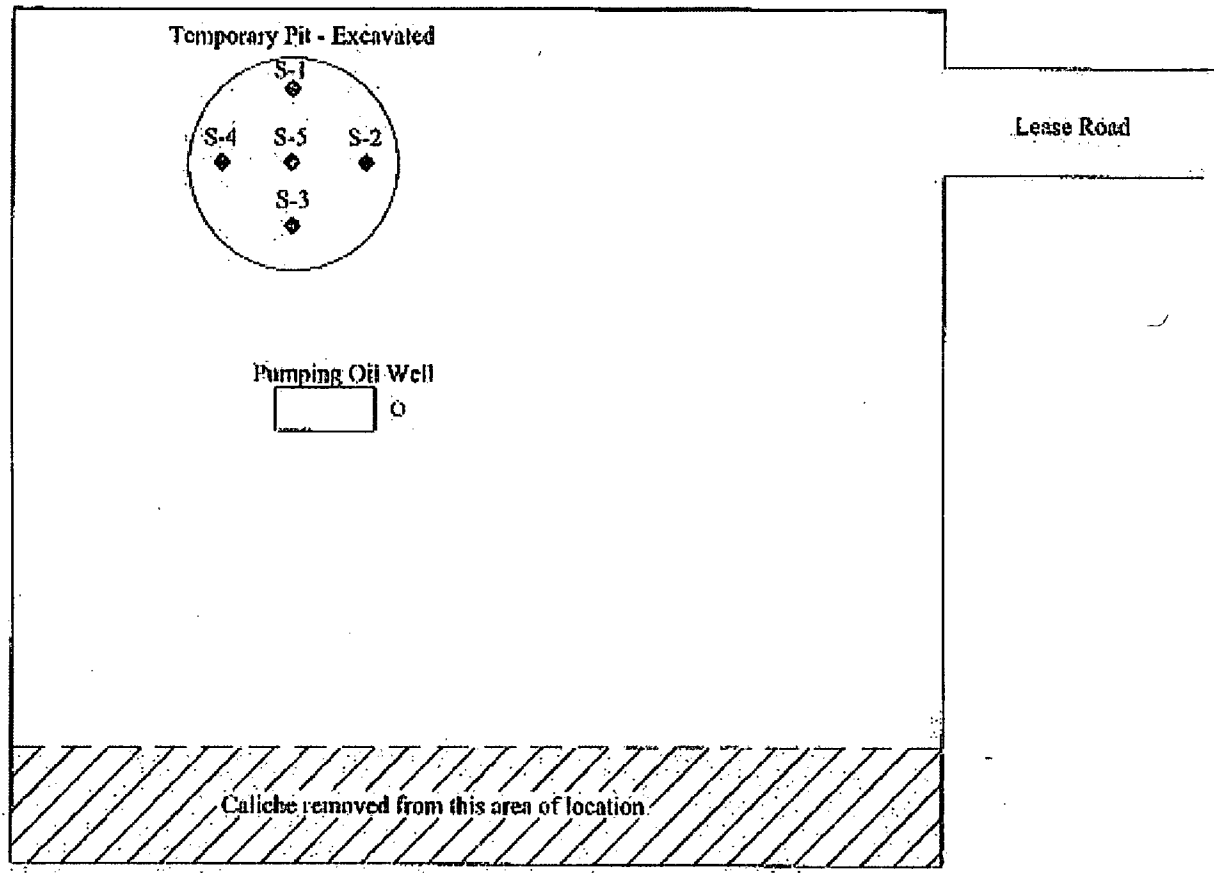
Devon Energy

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"><li>■ Complete items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.</li><li>■ Print your name and address on the reverse so that we can return the card to you.</li><li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>		<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p>	
1. Article Addressed to:		3. Service Type	
Randy Dade New Mexico Oil Conservation Div. District 2 - Artesia 811 S. First Street Artesia, New Mexico 88210		<input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
2. Article Number (Transfer from service label)		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
7012 2210 0001 7109 2845			
PS Form 3811 February 2004		Domestic Return Receipt 102595-02-M-1540	

---

## Attachment B: Plot Plan

---



**Legend**

• - Sample Location



Date: 06/06/2013

Scale: NTS

Drawn By: TJS

Turquoise PWD 27 No. 5

Devon Energy Corporation

Eddy County, New Mexico

Figure 1 - Site Plan

---

## Attachment C: C-138 Manifests

---

245058

**R360 Permian Basin, LLC**

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.r360environmentalsolutions.com

NMOCD Order R9166

Bill to

Devon

Address

 TH #105031  
 CM Mike Brosnwell  
 Big NA

Company/Generator

Devon

Lease Name

Turquoise Duv 27 #5H

Trucking Company

BmB Rentals

Vehicle Number

7

Driver (Print)

David

Date

4-2-13

Time

3:00

a.m. / p.m.

**Type of Material**☐ Fluids☐ Soils☐ Tank Bottoms☒ Other Material (List Description Below)

Receiving Area

50/51

**DESCRIPTION**

Completion debris (liners)

Volume of Material

☐ Bbls.☒ Yard

20

☐ Gallons☐ Wash Out☐ Call Out☐ After Hours☐ Debris Charge**GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

☐ R360 Approval #

Agent

(Signature)

R360 Representative

(Signature)

**TANK BOTTOMS**

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W/BBLS Received

Free Water

Total Received

BS&amp;W

%

POSTED

White - R360

Canary - R360 Accounting

Pink - R360 Plant

Gold - Transporter

Form C138

TCP - #7521



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST  
(PLEASE PRINT)

Company Man Contact Information  
Name Mike Braswell  
Phone No. 575 513 8232

<b>GENERATOR</b>		NO. <u>105631</u>
Operator No. <u>Devon</u>	Location of Origin <u>TULSA</u>	Lease/Well <u>27 SH</u>
Operators Name	Name & No.	
Address	County	
City, State, Zip	API No.	
Phone No.	Rig Name & No. <u>N/A</u>	
	AFE/PO No. <u>01-00291-05</u>	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER-EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☒ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount:  
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.  
Non-Exempt Other Lines (plastic) \*please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per month only)  
☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Mike Braswell 4/2/13 SIGNATURE DATE

<b>TRANSPORTER</b>	
Transporter's Name <u>BMB Rentals</u>	Driver's Name <u>DAVID LOPEZ</u>
Address <u>P.O. Box 545</u>	Print Name <u>DAVID LOPEZ</u>
Phone No. <u>575-396-2626</u>	Phone No. <u>575-441-0688</u>
	Truck No. <u>7</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4-2-13 SHIPMENT DATE David Lopez DRIVER'S SIGNATURE 4-2-13 DELIVERY DATE David Lopez DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: _____ OUT: _____	DISPOSAL FACILITY	RECEIVING AREA Name/No. <u>50151</u>
--	-------------------	---

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079  
Address Mile Marker 66 Hwy 62/180 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO IF YES, was reading > 50 micro roentgens? (circle one) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS	
Feet	Inches
1st Gauge	
2nd Gauge	
Received	
BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?  
John Vigneri 4-2-13 Admin Asst NAME (PRINT) DATE TITLE SIGNATURE

C-138

R360 ORIGINAL

Version 1



**R360 Permian Basin, LLC**

245062

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.r360environmentalsolutions.com

NMOCD Order R9166

Bill to Devon

Address \_\_\_\_\_

TKT NA

Rig NA

cm: Mike Brasswell

Company/Generator DevonLease Name Turquoise PW 4 27 " 5Trucking Company BMBVehicle Number 1Driver (Print) MannyDate 4/3/13Time 11:11a.m. / p.m.**Type of Material**☐ Fluids☐ Soils☐ Tank Bottoms☒ Other Material (List Description Below)Receiving Area 50/51**DESCRIPTION**Production Debris  
(Liners)

Volume of Material

☐ Bbls. \_\_\_\_\_☒ Yard 25☐ Gallons \_\_\_\_\_☐ Wash Out☐ Call Out☐ After Hours☐ Debris Charge**GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

☐ R360 Approval # \_\_\_\_\_

Agent X

(Signature)

R360 Representative Jacek DeRos Santos

(Signature)

**TANK BOTTOMS**

	Feet	Inches			
1st Gauge			BS&W/BBLs Received		BS&W %
2nd Gauge			Free Water		
Received			Total Received		

POSTED

White - R360

Canary - R360 Accounting

Pink - R360 Plant

Gold - Transporter

Form C138

TCP - #7521

**R360 Permian Basin, LLC**

245063

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.r360environmentalsolutions.com

NMOCD Order R9166

Bill to

Duon

Address

TK+ NA

Rig NA

cm: Mike Brasswell

Company/Generator

Duon

Lease Name

Turquoise PwU 27 # 5

Trucking Company

BMB

Vehicle Number

2

Driver (Print)

David

Date

4/3/13

Time

11:11

a.m./p.m.

**Type of Material**☐ Fluids☐ Soils☐ Tank Bottoms☒ Other Material (List Description Below)

Receiving Area

50/51

**DESCRIPTION**Production (Debris  
liners)

Volume of Material

☐ Bbls.☒ Yard

85

☐ Gallons☐ Wash Out☐ Call Out☐ After Hours☐ Debris Charge**GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

☐ R360 Approval # \_\_\_\_\_

Agent

X David Lopez  
(Signature)

R360 Representative

Jared DeRosier Santos  
(Signature)**TANK BOTTOMS**

	Feet	Inches			
1st Gauge			BS&W/BBLs Received	POSTED	BS&W %
2nd Gauge			Free Water		
Received			Total Received		

White - R360

Canary - R360 Accounting

Pink - R360 Plant

Gold - Transporter

Form C138

TCP - #7521

**R360 Permian Basin, LLC**

245064

P.O. Box 388 • Hobbs, New Mexico 88241-0388 • (575) 393-1079 • www.r360environmentalsolutions.com

NMOCD Order R9166

Bill to Devon

Address \_\_\_\_\_

TKT NA  
Rig NA  
Cm. Mike BrasswellCompany/Generator DevonLease Name Turquoise PWU 27 #5 HTrucking Company BMBVehicle Number 7Driver (Print) MauroDate 4/3/13Time 11:14

(a.m./p.m.)

**Type of Material**☐ Fluids☐ Soils☐ Tank Bottoms☒ Other Material (List Description Below)Receiving Area 50/51**DESCRIPTION**production (Debris  
Liners)

Volume of Material

☐ Bbls.☒ Yard 25☐ Gallons☐ Wash Out☐ Call Out☐ After Hours☐ Debris Charge**GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)☐ R360 Approval # \_\_\_\_\_

Agent

(Signature)

R360 Representative

(Signature)

**TANK BOTTOMS**

	Feet	Inches			
1st Gauge			BS&W/BBLs Received		BS&W %
2nd Gauge			Free Water		
Received			Total Received		

White - R360

Canary - R360 Accounting

Pink - R360 Plant

Gold - Transporter

Form C138

TCP - #7521

---

## Attachment D: Confirmation Sampling Analytical Results

---



PHONE (375) 393-2326 • 101 E. MARLAND • HOBBES, NM 88240

May 09, 2013

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURQUOISE PWJ 27 NO. 5H

Enclosed are the results of analyses for samples received by the laboratory on 05/07/13 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab/accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab/accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Halocetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive style with a large, stylized "C" at the beginning.

Coley D. Keene

Lab Director/Quality Manager

Page 1 of 4



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
MIKE STUBBLEFIELD  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 05/07/2013  
Reported: 05/09/2013  
Project Name: TURQUOISE PWU 27 NO. 5H  
Project Number: NONE GIVEN  
Project Location: SEC. 27 - T19S - R29E

Sampling Date: 05/06/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-1 (H301082-01)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2013	ND	1.77	88.3	2.00	16.2	
Toluene*	<0.050	0.050	05/08/2013	ND	1.64	82.0	2.00	14.5	
Ethylbenzene*	<0.050	0.050	05/08/2013	ND	1.73	86.7	2.00	16.9	
Total Xylenes*	<0.150	0.150	05/08/2013	ND	5.13	85.5	6.00	16.3	
Total BTEX	<0.300	0.300	05/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/08/2013	ND	432	108	400	0.00	

TPH 418.1		mg/kg		Analyzed By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	05/08/2013	ND	2370	95.0	2500	3.60	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2013	ND	204	102	200	9.74	
DRO >C10-C28	<10.0	10.0	05/07/2013	ND	194	97.1	200	14.3	

Surrogate: 1-Chlorooctane 97.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

**Cardinal Laboratories**

\* = Accredited Analyte

PLEASE NOTE: Accuracy and Precision: Cardinal's testing and results include accuracy for any data arising, whether based on certified or test, shall be limited to the amount paid by client for analysis. All data, including those for compliance and any other data whatsoever, shall be deemed valid unless made in writing and received by Cardinal within thirty (30) days after completion of the analytical service. In no event shall Cardinal be liable for negligent or consequential damages, including, without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or in relation to the performance of the services furnished by Cardinal, regardless of whether such claim is based upon any of the above stated methods or otherwise. Results shall not be reported except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

### Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SMASUDCI-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wst) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Coverage: Cardinal Liability and their exclusive agents for any claim arising, whether caused in whole or in part, shall be limited to the amount paid by them for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or licensors arising out of or related to the performance of the services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results apply only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4



Company Name: Talco, Inc.

Project Manager: Wicki Schobert-Jin

**Address:** 408 Mt. Zion Ave.

CITY: Albany STATE: N.Y. ZIP: 12212

Project Owner: Nelson Farms, Inc.

Project Name: **Toravoice** PWD 22 No. 5H

**Project Location:** sec. 23-1185-R291

Sampler Name	Wavelength
1	400 nm
2	400 nm
3	400 nm
4	400 nm
5	400 nm
6	400 nm
7	400 nm
8	400 nm
9	400 nm
10	400 nm
11	400 nm
12	400 nm
13	400 nm
14	400 nm
15	400 nm
16	400 nm
17	400 nm
18	400 nm
19	400 nm
20	400 nm
21	400 nm
22	400 nm
23	400 nm
24	400 nm
25	400 nm
26	400 nm
27	400 nm
28	400 nm
29	400 nm
30	400 nm
31	400 nm
32	400 nm
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38	400 nm
39	400 nm
40	400 nm
41	400 nm
42	400 nm
43	400 nm
44	400 nm
45	400 nm
46	400 nm
47	400 nm
48	400 nm
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79	400 nm
80	400 nm
81	400 nm
82	400 nm
83	400 nm
84	400 nm
85	400 nm
86	400 nm
87	400 nm
88	400 nm
89	400 nm
90	400 nm
91	400 nm
92	400 nm
93	400 nm
94	400 nm
95	400 nm
96	400 nm
97	400 nm
98	400 nm
99	400 nm
100	400 nm

**FOR INFO USE ONLY**

Lab I.D. \_\_\_\_\_ Sample I.D. \_\_\_\_\_

張

13

1

[illegible]

1000

--	--

1

--	--

1401

...the ...

**Realigned by:**

100

**Distinguished By:**

1

**Delivered by:**

**Sampler - UPS -**

† Cardinal ex

19



---

## Attachment E: C-141, Approved Remediation Plan, and Testing Results

---

District I  
1623 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Artesia, NM 88210  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

**RECEIVED**

JUL 29 2013

State of New Mexico  
Energy Minerals and Natural Resources

**NMOC D ARTESIA**

Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

<b>NAME</b> <u>NJMW 1321836233</u>		<b>OPERATOR</b>	<input checked="" type="checkbox"/> Initial Report <input type="checkbox"/> Final Report
<b>Name of Company</b> - Devon Energy <u>6137</u>		<b>Contact</b> - Mike Braswell	
<b>Address</b> - 6488 Seven Rivers Hwy - PO Box 250		<b>Telephone No.</b> - 575-513-8223	
<b>Facility Name</b> - Turquoise PWU 27 - 5H		<b>Facility Type</b> - C-144 Permitted Surface Impoundment	

<b>Surface Owner</b>	<b>Mineral Owner</b>	<b>Lease No.</b> API # 30-015-40583
----------------------	----------------------	-------------------------------------

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	27	19S	29E					Eddy

Latitude 32.6362188 N Longitude -104.054923 W

### NATURE OF RELEASE

<b>Type of Release</b> - Produced Water	<b>Volume of Release</b> Unknown	<b>Volume Recovered</b> Unknown
<b>Source of Release</b> - Poseidon Modular Impoundment	<b>Date and Hour of Occurrence</b> Unknown	<b>Date and Hour of Discovery</b> Unknown
<b>Was Immediate Notice Given?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	<b>If YES, To Whom?</b>	
<b>By Whom?</b> -	<b>Date and Hour</b>	
<b>Was a Watercourse Reached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse.</b>	
<b>If a Watercourse was Impacted, Describe Fully.*</b>		
<b>Describe Cause of Problem and Remedial Action Taken.*</b> Submittal of analytical data per 19.15.17.10.A.1.a		
<b>Describe Area Affected and Cleanup Action Taken.*</b> Remediation will be per approved NMOC D work plan.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC D rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOC D marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC D acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
<b>Signature:</b> <u>Mike Braswell</u>	<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name:</b> Mike Braswell	<b>Approved by District Supervisor</b> Signed By <u>Mike Braswell</u>	
<b>Title:</b> <u>Completion Consultant - RG Inc</u>	<b>Approval Date:</b> <u>AUG 06 2013</u>	<b>Expiration Date:</b>
<b>E-mail Address:</b> <u>Mike.Braswell@dev.com</u>	<b>Conditions of Approval:</b>	<b>Attached</b> <input type="checkbox"/>
<b>Date:</b> <u>6/27/2013</u> <b>Phone:</b> <u>575-513-8223</u>		

\* Attach Additional Sheets If Necessary

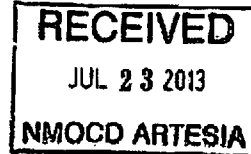
2RP-1788



Turquoise PWD 27 No. 5H | 2013

Mike Braswell  
Devon Energy Corporation

Mr. Braswell,



Here is the summary of activities for the Devon – Turquoise PWD 27 No. 5H –  
API # 30-015-40583 – UL A, Sec. 27, T19S, R29E

**Summary of Activities:**

**5/6/13**

- Travel to and from site; construct site diagram, collected soil samples from area located under former temporary pit.

**5/7/13**

- Prepare samples to be delivered to Cardinal Laboratories.

**5/9/13**

- Site map was completed by drafter. The site map illustrating the sample locations is attached.
- Analytical results and a project status report were sent to you.

**5/13/13**

- Travel to and from location, collected soil samples from under former temporary pit location.
- Tested soil samples using the field titration test method for chlorides.

**5/21/13**

- A call was placed to NM "OneCall" regarding locating any underground lines in the area.

**5/30/13**

- Begin excavation of the area. The area was excavated to a depth of 3 to 6 inches and transported to Controlled Recovery Inc, Permit No. 6.
- Soil samples were collected from the excavated area and tested using the field titration test method for chlorides on site.
- The caliche from the south side of location was bladed to backfill the excavated area. The area was rolled, watered and bladed to recontour this area of the location.

**5/31/13**

- The excavated area was backfilled, rolled, watered and recontoured.

AMARILLO  
921 North 8th Ave  
Amarillo, Texas 79107  
Phone 808.467.0807  
Fax 808.467.0622

ARTESIA  
409 West Texas Ave.  
Artesia, New Mexico 88210  
Phone 575.746.8768  
Fax 575.746.8805

AUSTIN  
911 West Anderson Lane  
Suite 202  
Austin, Texas 78757  
Phone 512.989.3428  
Fax 512.989.3487

HOBBS  
318 East Taylor Street  
Hobbs, New Mexico 88240  
Phone 575.393.4261  
Fax 575.393.4658

MIDLAND  
2801 State Hwy 349  
Midland, Texas 79706  
Phone 432.522.2133  
Fax 432.522.2180

SAN ANTONIO  
11 Commercial Place  
Schertz, Texas 78154  
Phone 210.265.8025  
Fax 210.568.2181

TULSA  
525 South Main Street  
Suite 538  
Tulsa, Oklahoma 74103  
Phone 918.742.0671  
Fax 918.382.0232

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SPILL MANAGEMENT  
GENERAL CONTRACTING

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www.talonlpe.com

**Analytical Results**

Results from field titration test method sampling activities on May 8, 2013:

Sample ID	Chlorides (mg/kg)
S-1 6"	141
S-2 6"	141
S-3 6"	212
S-4 6"	354
S-5 6"	141

Analytical results detailed on the attached laboratory report are summarized below:

Results from sampling activities on May 9, 2013:

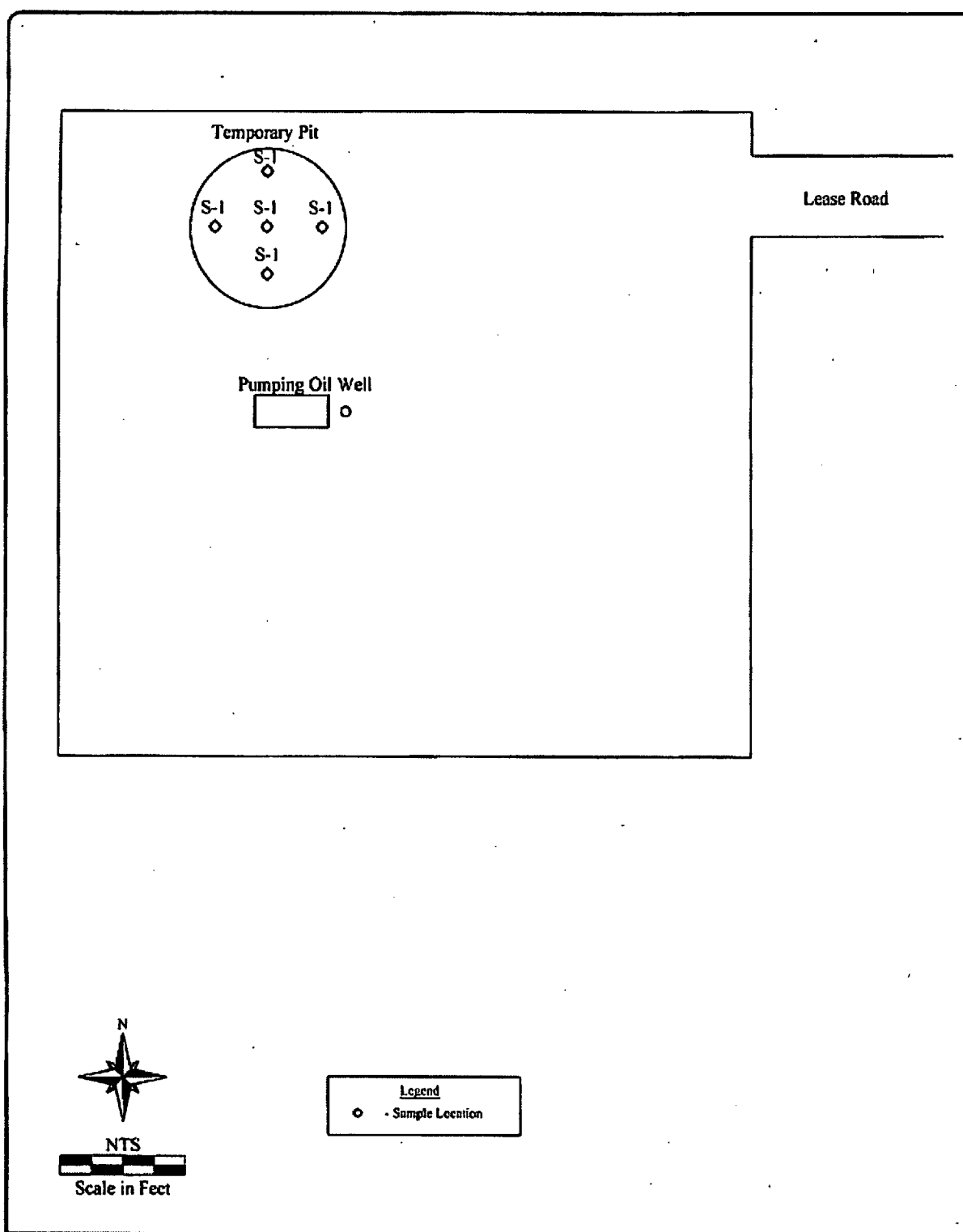
Sample ID	BTEX (mg/kg)	Chlorides (mg/kg)	TPH 8015M (mg/kg) GRO	TPH 8015M (mg/kg) DRO	TPH 418.1 (mg/kg)
S-1 0'	<0.300	1760	<10	<10	<100

Results from field titration test method sampling activities on May 30, 2013, on location:

Sample ID	Chlorides (mg/kg)
S-1 3"	2061
S-1 6"	141
S-2 3"	282
S-3 3"	1923
S-3 6"	282
S-4 3'	687
S-4 6"	141
S-5 3"	141

Results from field titration test method sampling activities on June 18, 2013:

Sample ID	Chlorides (mg/kg)
S-1 6"	160
S-2 3"	416
S-3 6"	400
S-4 6"	176
S-5 3"	96



	Date: 05/09/2013	<b>Turquoise PWD 27 No. 5</b> Devon Energy Corporation Eddy County, New Mexico <b>Figure 1 - Site Plan</b>
	Scale: NTS	
	Drawn By: TJS	



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

May 09, 2013

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURQUOISE PWU 27 NO. 5H

Enclosed are the results of analyses for samples received by the laboratory on 05/07/13 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/leh\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/leh_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Page 1 of 4



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TAJON LPE  
MIKE STUBBLEFIELD  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 05/07/2013  
Reported: 05/09/2013  
Project Name: TURQUOISE PWU 27 NO. 5H  
Project Number: NONE GIVEN  
Project Location: SEC. 27 - T19S - R29E

Sampling Date: 05/06/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-1 (H301082-01)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2013	ND	1.77	88.3	2.00	16.2	
Toluene*	<0.050	0.050	05/08/2013	ND	1.64	82.0	2.00	14.5	
Ethylbenzene*	<0.050	0.050	05/08/2013	ND	1.73	86.7	2.00	16.9	
Total Xylenes*	<0.150	0.150	05/08/2013	ND	5.13	85.5	6.00	16.3	
Total BTEX	<0.300	0.300	05/08/2013	ND					

S surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/08/2013	ND	432	108	400	0.00	
TPH 418.1	mg/kg		Analyzed By: AN						

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	05/08/2013	ND	2370	95.0	2500	3.60	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2013	ND	204	102	200	9.74	
DRO >C10-C28	<10.0	10.0	05/07/2013	ND	194	97.1	200	14.3	

S surrogate: 1-Chlorooctane 97.2 % 65.2-140

S surrogate: 1-Chlorooctadecane 102 % 63.6-154

**Cardinal Laboratories**

\* = Accredited Analyte

PLEASE NOTE: Liability and Coverage. Cardinal's liability and coverage is limited to any claim arising, whether based in contract or tort, which is limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within sixty (60) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services furnished by Cardinal, regardless of whether such claim is based upon any of the above listed causes or otherwise. Results relate only to the samples described above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Coley D. Keene, Lab Director/Quality Manager

Page 2 of 4



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#### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit  
RPD Relative Percent Difference  
\*\* Samples not received at proper temperature of 6°C or below.  
\*\*\* Insufficient time to reach temperature.  
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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Cécily D. Keene, Lab Director/Quality Manager

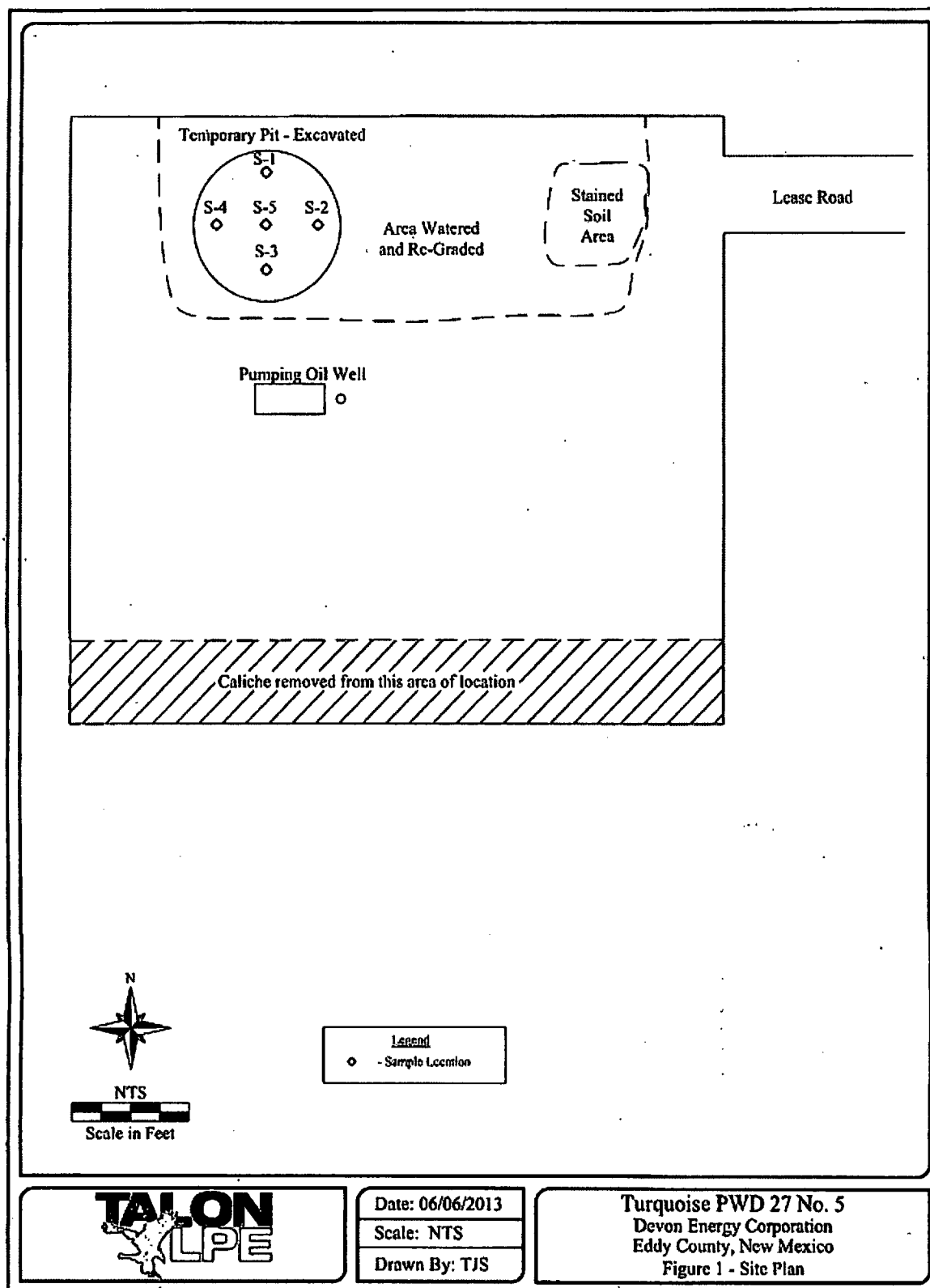
Page 3 of 4



**101 East Maryland, Hobbs, NM 88240  
(575) 393-3326 FAX (575) 393-2478**

[illegible]

† Cardinal cannot accept verbal changes. Please for written changes to (37) 306-2126





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

June 18, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURQUOISE PWU 27 NO. 5H

Enclosed are the results of analyses for samples received by the laboratory on 05/30/13 16:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_record\\_cardif.html](http://www.tceq.texas.gov/field/qa/lab_record_cardif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Caley D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBBS, NM 88240

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 05/30/2013  
Reported: 06/18/2013  
Project Name: TURQUOISE PWU 27 NO. 5H  
Project Number: 700794.7101  
Project Location: SEC. 27 - T19S - R29E

Sampling Date: 05/30/2013  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: S-1 0.5' (H301275-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/18/2013	ND	432	108	400	0.00		

**Sample ID: S-2 3" (H301275-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/18/2013	ND	432	108	400	0.00	

**Sample ID: S-3 0.5' (H301275-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/18/2013	ND	432	108	400	0.00	

**Sample ID: S-4 0.5' (H301275-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/18/2013	ND	432	108	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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*Celley D. Keene*

Celley D. Keene, Lab Director/Quality Manager

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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 05/30/2013  
Reported: 06/18/2013  
Project Name: TURQUOISE PWU 27 NO. 5H  
Project Number: 700794.7101  
Project Location: SEC. 27 - T19S - R29E

Sampling Date: 05/30/2013  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: S-5 3" (H301275-05)**

Chloride, 5M4500CI-0

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/18/2013	ND	432	108	400	0.00	

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\*=Accredited Analyte

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*Celoy D. Keene*

Celoy D. Keene, Lab Director/Quality Manager

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#### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5



**Page 5 of 5**

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District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

JUL 23 2013 State of New Mexico  
Energy Minerals and Natural Resources

NMOC DARTS  
Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

nju 1321836233 OPERATOR ☐ Initial Report ☒ Final Report

Name of Company - Devon Energy	Contact - Mike Braswell
Address - 6488 Seven Rivers Hwy - PO Box 250	Telephone No. - 575-513-8223
Facility Name - Turquoise PWU 27 - 5H	Facility Type: C-144 Permitted Surface Impoundment

Surface Owner	Mineral Owner	Lease No. API # 30-015-40583
---------------	---------------	------------------------------

### LOCATION OF RELEASE

Unit Letter A	Section 27	Township 19S	Range 29E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32.6162188 N Longitude -104.054923 W

### NATURE OF RELEASE

Type of Release - Produced Water	Volume of Release Unknown	Volume Recovered Unknown
Source of Release - Poseidon Modular Impoundment	Date and Hour of Occurrence Unknown	Date and Hour of Discovery Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? -	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Elevated chloride levels under Poseidon Modular Impoundment.		
Describe Area Affected and Cleanup Action Taken.* Area underlying Poseidon Modular Impoundment excavated between 3-6 inches. See attached Report.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understood that pursuant to NMOC D rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOC D marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC D acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: Mike Braswell	OIL CONSERVATION DIVISION	
Printed Name: Mike Braswell	Approved by District Supervisor	Signed By Mike Braswell
Title: Completion Consultant - AG Inc.	Approval Date: AUG 06 2013	Expiration Date:
E-mail Address: Mike.Braswell@dvn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/27/2013 Phone: 575-513-8223		

\* Attach Additional Sheets If Necessary

2RP-1788



---

## Attachment F: Disposal Tickets for Excavated Material

---

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
WWW.R360ES.COM

### PERMIAN BASIN REGION

#### TICKET: 505599

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/30/2013	Driver:	OSCAR
3rd Party Ticket:	NA	Vehicle:	319

#### Comments

#### Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	12.00 yards	50/51	

#### Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

#### Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BBLs Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

UMB43AB0117N

5/30/2013 9:41:30AM

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
WWW.R360ES.COM

### PERMIAN BASIN REGION

#### TICKET: 505049

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rlg:	
Trucking:	GEMINI	PO:	
Date:	5/30/2013	Driver:	OSCAR
3rd Party Ticket:	NA	Vehicle:	319

#### Comments

#### Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	12.00 yards	50/51	

#### Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

#### Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BLS Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

IMB43AB01102

5/30/2013 12:13:06PM

Ticket: 505597

Page 1 of 1

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3815  
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**PERMIAN BASIN REGION**

**TICKET: 505597**

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/30/2013	Driver:	ALFONSO
3rd Party Ticket:	505398	Vehicle:	317

**Comments**

**Type of Materials**

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

**Driver/Agent (signature)**

**R360 Representative (signature)**

A handwritten signature in black ink, appearing to be "Alfonso", written over the signature line for the R360 Representative.

**Tank Bottoms**

	Feet	Inches		
1st Gauge			BS & W/BBLS Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

#IB43AB0117L

5/30/2013 9:32:59AM

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
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## PERMIAN BASIN REGION

## TICKET: 505647

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE FWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/30/2013	Driver:	ALFONSO
3rd Party Ticket:	505398	Vehicle:	317

## Comments

## Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

## Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

## Tank Bottoms

	Feet	Inches	BS & W/BBLS Received	BS & W
1st Gauge			Free Water	
2nd Gauge			Total Received	
Received				

(MB43AB01190

5/30/2013 12:09:39PM

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
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# PERMIAN BASIN REGION

## TICKET: 505595

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	SH
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/30/2013	Driver:	ADAN
3rd Party Ticket:	NA	Vehicle:	313

## Comments

## Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

## Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

## Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BBLs Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

IMB43AB0117J

5/30/2013 9:36:54AM

Ticket: 505645

Page 1 of 1

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



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Fax: (575) 393-3615  
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**PERMIAN BASIN REGION**

**TICKET: 505645**

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/30/2013	Driver:	ADAN
3rd Party Ticket:	NA	Vehicle:	313

**Comments**

**Type of Materials**

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information    ☐ RCRA Hazardous Waste Analysis    ☐ Process Knowledge    ☐ Other (Provide description above)

**Driver/Agent (signature)**

**R360 Representative (signature)**

A handwritten signature in black ink, appearing to be "ADAN", written over a horizontal line.

**Tank Bottoms**

	Feet	Inches		
1st Gauge			BS & W/BLS Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

334343AR0118Y

5/30/2013 12:05:45PM

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



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Fax: (575) 393-3615  
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## PERMIAN BASIN REGION

## TICKET: 505687

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/30/2013	Driver:	ADAN
3rd Party Ticket:	NA	Vehicle:	313

## Comments

## Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

## Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

## Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BBLs Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

M343AB011A1

5/30/2013 2:36:10PM



Ticket: 505321

Page 1 of 1

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



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Fax: (575) 393-3615  
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**PERMIAN BASIN REGION**

**TICKET: 505321**

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	TALON	PO:	
Date:	5/29/2013	Driver:	OSCAR
3rd Party Ticket:	NA	Vehicle:	319

**Comments**

**Type of Material**

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	12.00 yards	50/51	

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

**Driver/Agent (signature)**

**R360 Representative (signature)**

**Tank Bottoms**

	Feet	Inches			
1st Gauge			BS & W/BBLS Received		BS & W
2nd Gauge			Free Water		
Received			Total Received		

liwB43AB010ZU

5/29/2013 9:58:35AM

Ticket: 505354

Page 1 of 1

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



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**PERMIAN BASIN REGION**

**TICKET: 505354**

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/29/2013	Driver:	OSCAR
3rd Party Ticket:	NA	Vehicle:	319

**Comments**

**Type of Materials**

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	12.00 yards	50/51	

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information    ☐ RCRA Hazardous Waste Analysis    ☐ Process Knowledge    ☐ Other (Provide description above)

**Driver/Agent (signature)**

**R360 Representative (signature)**

A handwritten signature in black ink, appearing to be "E. [unclear]", written over the R360 Representative signature line.

**Tank Bottoms**

	Feet	Inches			
1st Gauge			BS &W/ABLS Received		BS & W
2nd Gauge			Free Water		
Received			Total Received		

MR43AB0110S

5/29/2013 12:26:23PM

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
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## PERMIAN BASIN REGION

## TICKET: 505401

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/29/2013	Driver:	OSCAR
3rd Party Ticket:	NA	Vehicle:	319

## Comments

## Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	12.00 yards	50/51	

## Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

## Tank Bottoms

	Feet	Inches			
1st Gauge			BS & W/HBLS Received		BS & W
2nd Gauge			Free Water		
Received			Total Received		

INB-CAB01125

5/29/2013 2:58:41PM

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
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## PERMIAN BASIN REGION

## TICKET: 505401

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lesse:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GBMINI	PO:	
Date:	5/29/2013	Driver:	OSCAR
3rd Party Ticket:	NA	Vehicle:	319

## Comments

## Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	12.00 yards	50/51	

## Generator Certification/Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

## Tank Bottoms

	Feet	Inches			
1st Gauge			BS & W/BBLs Received		BS & W
2nd Gauge			Free Water		
Received			Total Received		

MB43AB01125

5/29/2013 2:58:41PM

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



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Fax: (575) 393-3815  
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### PERMIAN BASIN REGION

#### TICKET: 505398

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/29/2013	Driver:	ALFONSO
3rd Party Ticket:	NA	Vehicle:	317

#### Comments

#### Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

#### Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

#### Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BBLs Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

MB43AB01121

5/29/2013 2:53:41PM

Ticket: 505353

Page 1 of 1

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
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**PERMIAN BASIN REGION**

**TICKET: 505353**

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/29/2013	Driver:	ALFONSO
3rd Party Ticket:	NA	Vehicle:	317

**Comments**

**Type of Materials**

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	S0/51	

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

**Driver/Agent (signature)**

**R360 Representative (signature)**

A large, handwritten signature in black ink, appearing to be "Alfonso", is written over the signature line for the R360 Representative.

**Tank Bottoms**

	Feet	Inches		
1st Gauge			HS & W/BBLS Received	HS & W
2nd Gauge			Free Water	
Received			Total Received	

WAB4GAB0110R

5/29/2013 12:25:15PM

Ticket: 505322

Page 1 of 1

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
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PERMIAN BASIN REGION

TICKET: 505322

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/29/2013	Driver:	ALFONSO
3rd Party Ticket:	NA	Vehicle:	317

Comments

Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

A large, stylized handwritten signature in black ink, likely belonging to the R360 Representative.

Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BBLs Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

64B43A80102V

5/29/2013 9:59:22AM

Ticket: 505320

Page 1 of 1

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
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**PERMIAN BASIN REGION**

**TICKET: 505320**

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/29/2013	Driver:	ADAN
3rd Party Ticket:	NA	Vehicle:	313

**Comments**

**Type of Materials**

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

A handwritten signature in black ink, appearing to be a stylized "A" or similar character, is written over the R360 Representative signature line.

**Tank Bottoms**

	Feet	Inches		
1st Gauge			BS & W/BBLS Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

IMB:9AB010ZT

5/29/2013 9:58:07AM



Hallway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3815  
WWW.R360ES.COM

## PERMIAN BASIN REGION

## TICKET: 505352

Bill To:	DEVON ENERGY PRODUCTION CO. L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO. L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GERMINI	PO:	
Date:	5/29/2013	Driver:	ADAN
3rd Party Ticket:	NA	Vehicle:	313

## Comments

## Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

## Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent (signature)

R360 Representative (signature)

## Tank Bottoms

	Feet	Inches		
1st Gauge			BS &W/BBLS Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

IMB:3A30110Q

5/29/2013 12:23:52PM

Halfway Facility  
4507 W. Carlsbad Hwy  
Hobbs, New Mexico 88240



Phone: (575) 393-1079  
Fax: (575) 393-3615  
WWW.R360ES.COM

## PERMIAN BASIN REGION

## TICKET: 505397

Bill To:	DEVON ENERGY PRODUCTION CO, L.P.	Lease:	TURQUOISE PWU 27
Company/Generator:	DEVON ENERGY PRODUCTION CO, L.P.	Well:	5H
Company Man:	MIKE BRASWELL	Rig:	
Trucking:	GEMINI	PO:	
Date:	5/29/2013	Driver:	ADAN
3rd Party Ticket:	NA	Vehicle:	313

## Comments

## Type of Materials

Product	Quantity	Area	Description
Contaminated Soil (RCRA Exempt)	20.00 yards	50/51	

## Generator Certification Statement of Waste Status

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Driver/Agent (signature)

R360 Representative (signature)

## Tank Bottoms

	Feet	Inches		
1st Gauge			BS & W/BLS Received	BS & W
2nd Gauge			Free Water	
Received			Total Received	

(MB43AB01120

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## Attachment G: Photographic Documentation of Site Closure

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Sampling the Footprint Beneath the Posiedon Unit by Talon



Sampling the Footprint Beneath the Posiedon Unit by Talon





Sampling the Footprint Beneath the Posiedon Unit by Talon



Sampling the Footprint Beneath the Posiedon Unit by Talon



Photograph of the Location Upon Closure



Photograph of the Location Upon Closure

