



DE ET CE ES

## SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

**DOCUMENT**  
**#2216280**

1. OGCC Operator Number: 69175  
2. Name of Operator: PDC Energy  
3. Address: 120 N. Railroad, Suite D  
City: Parachute State: CO Zip: 81635

4. Contact Name  
Ed Winters  
Phone: (970) 285-9606  
Fax: (970) 285-9619

Complete the Attachment  
Checklist

OP OGCC

5. API Number **045-07771**  
6. Well/Facility Name: Unocal 4 Pad  
7. Well/Facility Number  
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NESW Sec. 4 T6S R96W  
9. County: Garfield  
11. Federal, Indian or State Lease Number:

OGCC Facility ID Number  
Survey Plat  
Directional Survey  
Surface Eqpm Diagram X  
Technical Info Page X  
Other

## General Notice

|   |   |
|---|---|
| <input type="checkbox"/> <b>CHANGE OF LOCATION:</b> Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit) |   |
| Change of Surface Footage from Exterior Section Lines:  | <input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL           |
| Change of Surface Footage to Exterior Section Lines:  | <input type="checkbox"/> <input type="checkbox"/>                           |
| Change of Bottomhole Footage from Exterior Section Lines:   | <input type="checkbox"/> <input type="checkbox"/>                           |
| Change of Bottomhole Footage to Exterior Section Lines:   | <input type="checkbox"/> <input type="checkbox"/> attach directional survey |
| Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer   |   |
| Latitude  | Distance to nearest property line   |
| Longitude   | Distance to nearest bldg, public rd, utility or RR                          |
| Ground Elevation  | Distance to nearest lease line  |
|   | Is location in a High Density Area (rule 603b)? Yes/No                      |
|   | Distance to nearest well same formation                                     |
|   | Surface owner consultation date:  |
| <b>GPS DATA:</b>  |   |
| Date of Measurement PDOP Reading Instrument Operator's Name   |   |
| <input type="checkbox"/> <b>CHANGE SPACING UNIT</b>   |   |
| Formation   | Formation Code  |
| Spacing order number  | Unit Acreage  |
| Unit configuration  |   |
| <input type="checkbox"/> <b>Remove from surface bond</b>  |   |
| Signed surface use agreement attached   |   |
| <input type="checkbox"/> <b>CHANGE OF OPERATOR (prior to drilling):</b>   |   |
| Effective Date:   |   |
| Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual   |   |
| <input type="checkbox"/> <b>CHANGE WELL NAME</b> NUMBER   |   |
| From:   |   |
| To:   |   |
| Effective Date:   |   |
| <input type="checkbox"/> <b>ABANDONED LOCATION:</b>   |   |
| Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No   |   |
| Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No  |   |
| Date Ready for Inspection:  |   |
| <input type="checkbox"/> <b>NOTICE OF CONTINUED SHUT IN STATUS</b>  |   |
| Date well shut in or temporarily abandoned:   |   |
| Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No   |   |
| MIT required if shut in longer than two years. Date of last MIT   |   |
| <input type="checkbox"/> <b>SPUD DATE:</b>  |   |
| <input type="checkbox"/> <b>REQUEST FOR CONFIDENTIAL STATUS</b> (6 mos from date casing set)  |   |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK</b> *submit cbl and cement job summaries                  |   |
| Method used   | Cementing tool setting/perf depth   |
| Cement volume   | Cement top  |
| Cement bottom   | Date  |
| <input type="checkbox"/> <b>RECLAMATION:</b> Attach technical page describing final reclamation procedures per Rule 1004.                         |   |
| Final reclamation will commence on approximately  |   |
| <input type="checkbox"/> Final reclamation is completed and site is ready for inspection.   |   |

## Technical Engineering/Environmental Notice

|   |  |
|---|--|
| <input checked="" type="checkbox"/> <b>Notice of Intent</b>   | <input type="checkbox"/> <b>Report of Work Done</b>                |
| Approximate Start Date: 1 Sept 2011   | Date Work Completed:   |
| Details of work must be described in full on Technical Information Page (Page 2 must be submitted.) |  |
| <input type="checkbox"/> Intent to Recombine (submit form 2)  | <input type="checkbox"/> Request to Vent or Flare                  |
| <input type="checkbox"/> Change Drilling Plans  | <input type="checkbox"/> Repair Well                               |
| <input type="checkbox"/> Gross Interval Changed?  | <input type="checkbox"/> Rule 502 variance requested               |
| <input type="checkbox"/> Casing/Cementing Program Change  | <input checked="" type="checkbox"/> Other: E&P Waste transfer      |
|   | <input type="checkbox"/> E&P Waste Disposal                        |
|   | <input type="checkbox"/> Beneficial Reuse of E&P Waste             |
|   | <input type="checkbox"/> Status Update/Change of Remediation Plans |
|   | for Spills and Releases  |

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Edward T. Winters  
Print Name: Edward T. Winters

Date: 16 Aug 2011 Email: ewinters@petal.com  
Title: Environmental Field Coordinator

COGCC Approved:

Title

Date:

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- |  |                      |                       |  |
|--|----------------------|-----------------------|--|
| 1. OGCC Operator Number:                       | 69175                | API Number:           |  |
| 2. Name of Operator:                           | PDC Energy           | OGCC Facility ID #    |  |
| 3. Well/Facility Name:                         | Unocal 4 Pad         | Well/Facility Number: |  |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): | NESW Sec. 4 T6S R96W |                       |  |

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5.

DESCRIBE PROPOSED OR COMPLETED OPERATIONS

See attached waste management plan and associated appendices'.

**PDC Energy – Parachute District  
Waste Management Plan for the use of Roll-off containers**

**SCOPE OF WORK**

PDC Energy is proposing to use specially designed, water tight roll-off containment units for the collection of flow back sands resulting from cleaning frac tanks and separators. These containers will have a separation screen inside the vessel that is lined with a 250 micron filter membrane. This will allow the solid material to be suspended above the floor of the container and permit fluid to collect in the bottom. Fluids collected at the bottom of the container will be removed and transported to the PDC's COGCC approved produced water transfer facility or disposed of at the PDC SWD facility utilizing vacuum trucks. The solid material will be disposed of at an approved disposal facility. PDC reserves the right to treat and remediate the solid material and reuse once the material meets COGCC Concentration Levels in Table 910-1.

**BACKGROUND**

Roll-off units will be placed at the Unocal 4 location. Tanks and separators will be cleaned into a vacuum truck and transported from the various locations to the units. This activity is not intended to extend past three years therefore maintaining a temporary status and not subject to Rule 908. PDC is currently exploring E&P waste management options including a Centralized E&P Waste Management Facility.

**HISTORY OF THE FACILITIES**

**Unocal 4: NESW Sec. 4 T6S R96W at an elevation of 5770'**

The Unocal 4 location was built in 2001 with drilling operation completed by March of 2002. The location has three producing wells. These wells are:

- Unocal 13-4D
- Unocal 23-4D
- Unocal 24-4D

**VOLUME OF MATERIAL**

The amount of material that can be collected during this cleaning process is undetermined. However, the maximum capacity of a roll-off unit is 28 cubic yards. PDC will not exceed 75% total capacity of the roll-off unit.

**SAMPLING**

The material will be sampled to determine adequacy for disposal or beneficial reuse once the roll-off unit is at full capacity. Sample analysis will include appropriate parameters in accordance with COGCC Table 910-1.

**ENVIRONMENTAL PROTECTION**

Roll-off containers will be placed within a lined, secondary containment area that is filled with ballast separate from the existing production facilities. The liner material is 30 mil thickness. The area will be constructed so that it exceeds 110% of the solid free area of the containment vessel. Drip pans will be placed beneath any valves that are utilized for fluid transfer.

## **REPORTING**

PDC will follow Rule 907 (a) for reuse of material and 907(b) for the transportation of waste to a disposal facility. PDC will also provide an annual report to include:

- Summary of any spills, incidents, upset conditions and the appropriate corrective action
- Changes to the operating plan and equipment
- A summary of waste generated as per Rule 907(b)

## **LANDOWNER APPROVAL**

See appendix A

## **SITE LOCATION**

See Appendix B

## **DECOMMISSIONING**

PDC will pursue decommissioning and closure of this temporary facility as per the guidelines described in Rule 909.

## APPENDIX A

Notification of activity in relation to drilling, completion and daily operational requirements for lands owned by EnCana and leased to PDC Energy are not required.

## APPENBIX B



# Unocal 4Pad and Roll-off container location

