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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.)

1. OGCC Operator Number: 69175 4. Contact Name: Ed Winters
2. Name of Operator: PDC Energy Ed Winters
3. Address: 120 N. Railroad, Suite D Phone: (970) 285-9606
City: Parachute State: CO Zip: 81635 Fax: (970) 285-9619
5. API Number: 05-045-97771 OGCC Facility ID Number
6. Well/Facility Name: Unocal 4 Pad 13-40 7. Well/Facility Number: Unocal 13-40
8. Location (Qtr/Sec, Twp, Rng, Meridian): NESW Sec. 4 T6S R96W
9. County: Garfield 10. Field Name: Mesa
11. Federal, Indian or State Lease Number:

General Notice

CHANGE OF LOCATION: 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:
Change of Surface Footage to Exterior Section Lines:
Change of Bottomhole Footage from Exterior Section Lines:
Change of Bottomhole Footage to Exterior Section Lines:
GPS DATA:
CHANGE SPACING UNIT
CHANGE OF OPERATOR (prior to drilling):
CHANGE WELL NAME NUMBER
ABANDONED LOCATION:
NOTICE OF CONTINUED SHUT IN STATUS
SPUD DATE:
REQUEST FOR CONFIDENTIAL STATUS
SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK
RECLAMATION:

Technical Engineering/Environmental Notice

X Notice of Intent Approximate Start Date: 1 Sept 2011
Report of Work Done Date Work Completed:
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)
Intent to Recomplete (submit form 2) Request to Vent or Flare E&P Waste Disposal
Change Drilling Plans Repair Well Beneficial Reuse of E&P Waste
Gross Interval Changed? Rule 502 variance requested Status Update/Change of Remediation Plans
Casing/Cementing Program Change Other: E&P Waste transfer 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 Date: 16 Aug 2011 Email: ewinters@petel.com
Print Name: Edward T. Winters Title: Environmental Field Coordinator

COGCC Approved: Title Date:

CONDITIONS OF APPROVAL, IF ANY:

### TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: <u>69175</u> API Number: _____
2. Name of Operator: <u>PDC Energy</u> OGCC Facility ID # _____
3. Well/Facility Name: <u>Unocal 4 Pad</u> Well/Facility Number: <u>Unocal 13-4D</u>
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



SCALE 1 : 1,068

