

**State of Colorado  
Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax:(303)894-2109



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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: <u>69175</u>	4. Contact Name <u>Adell K. Heneghan</u>	Complete the Attachment Checklist
2. Name of Operator: <u>Petroleum Development Corporation</u>	Phone: <u>970-285-9606</u>	
3. Address: <u>120 N. Railroad Ave., STE D</u> City: <u>Parachute</u> State: <u>CO</u> Zip: <u>81635</u>	Fax: <u>970-285-9619</u>	
5. API Number <u>05-045-07754</u>	OGCC Facility ID Number <u>43-5D</u>	Survey Plat
6. Well/Facility Name: <u>Chevron</u>	7. Well/Facility Number <u>43-5D</u>	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): <u>SWSW, S4, T6S, R96W</u>		Surface Eqpmt Diagram
9. County: <u>Garfield</u>	10. Field Name: <u>Grand Valley</u>	Technical Info Page
11. Federal, Indian or State Lease Number: <u>Fee</u>		Other

**General Notice**

<input type="checkbox"/> <b>CHANGE OF LOCATION: Attach New Survey Plat</b> (a change of surface qtr/qtr is substantive and requires a new permit)													
Change of <b>Surface</b> Footage from Exterior Section Lines:	<table border="1"> <tr> <td></td> <td>FNL/FSL</td> <td></td> <td>FEL/FWL</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>		FNL/FSL		FEL/FWL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
	FNL/FSL		FEL/FWL										
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
Change of <b>Surface</b> Footage to Exterior Section Lines:	<table border="1"> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
Change of <b>Bottomhole</b> Footage from Exterior Section Lines:	<table border="1"> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
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Change of <b>Bottomhole</b> Footage to Exterior Section Lines:	<table border="1"> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> attach directional survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer _____ Latitude _____ Distance to nearest property line _____ Distance to nearest bldg, public rd, utility or RR _____ Longitude _____ Distance to nearest lease line _____ Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/> Ground Elevation _____ 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> <b>NUMBER</b> 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 <table border="1"> <tr> <td>Method used</td> <td>Cementing tool setting/perf depth</td> <td>Cement volume</td> <td>Cement top</td> <td>Cement bottom</td> <td>Date</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Method used	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom	Date						
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 type="checkbox"/> Notice of Intent Approximate Start Date: _____	<input checked="" type="checkbox"/> Report of Work Done Date Work Completed: <u>July 12, 2010</u>	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)		
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input checked="" type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: <u>Notice of Completion/NFA</u>	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: Adell K. Heneghan Date: July 26, 2010 Email: [aheneghan@petd.com](mailto:aheneghan@petd.com)  
 Print Name: Adell K. Heneghan 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:           | 05-045-07754 |
| 2. Name of Operator:                           | Petroleum Development Corporation | OGCC Facility ID #    | 43-5D        |
| 3. Well/Facility Name:                         | Chevron                           | Well/Facility Number: | 43-5D        |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): | SWSW, S4, 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**
**Describe initial action taken**

Upon discovery of a release from the partially buried produced water tank during routine maintenance, the gas wells were shut in, and the dump lines were re-routed to frac tanks. The tanks, both produced water and oil, were removed from the current containment and boreholes were drilled to determine the lateral extent of potential hydrocarbon impact.

The following closure activities, described below, were initiated in early May 2010. However, during consultation with COGCC personnel, it was determined a Form 27 was not required at that time.

**Describe how source is to be removed**

The wells were shut in.

The tanks, both produced water and oil, were disconnected from the separator and dump lines.

The tanks were removed from the existing containment.

Dump lines from the separator were temporarily piped to a frac tank.

**Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on-site, removal of impacted groundwater, in-situ bioremediation, burning of oily vegetation etc.**

Additional investigation activities were performed during the last three weeks of May and first two weeks of June to confirm whether or not residual contamination existed within or below the former containment. Activities conducted included the following:

Five soil borings were drilled at selected areas immediately adjacent to the former containment. Four were drilled to a depth of between 16½ and 31½ feet and 1 was drilled to a depth of 10½ feet.

Split spoon samples were collected, at a minimum, every 5 feet.

Visual inspection and organic vapor readings utilizing a P.I.D. were utilized to evaluate the soil for hydrocarbon impacts.

Excavation of hydrocarbon impacted soil was performed to a depth of approximately 12 feet below ground surface (bgs) on the southern portion of the containment (excavation 1). Field screen data indicate that this area of the containment is below COGCC Table 910-1 allowable standards. A confirmation sample was collected and submitted to an accredited laboratory. Analytical results are attached.

Excavation of hydrocarbon impacted soil continued on the northern portion of the containment (excavation 2) to a depth of approximately 32 feet bgs. Field screen data indicate that this area of the containment is below COGCC Table 910-1 allowable standards. A confirmation sample was collected and submitted to an accredited laboratory. Analytical results are attached.

**If groundwater has been impacted, describe proposed monitoring plan**

There has been no evidence that groundwater has been impacted.

**Describe reclamation plan**

As this is a working well pad, there are currently no plans to perform reclamation on the proposed action described above. PDC proposes to construct the new lined Sioux City containment in the general vicinity of the former containment.

**Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing**

Analytical results confirming remediation of the hydrocarbon impacted area of the former containment is attached.

**Final disposition of E&P Waste**

Approximately 400 yd<sup>3</sup> of hydrocarbon impacted soil will be land treated on-site to meet COGCC Table 910-1 allowable concentrations and reincorporated on-site. The remaining 1150 yd<sup>3</sup> will be disposed off site an approved disposal facility.