

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

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



FOR OGCC USE ONLY

RECEIVED
12/21/2011

Spill report taken by:

FACILITY ID:

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation

OPERATOR INFORMATION

Name of Operator: <u>Petroleum Development Corporation</u>	OGCC Operator No: <u>69175</u>	Phone Numbers
Address: <u>120 Railroad Ave. Suite D</u>		No: <u>970-285-9606</u>
City: <u>Parachute</u>	State: <u>CO</u> Zip: <u>81635</u>	Fax: <u>970-285-9619</u>
Contact Person: <u>Ed Winters</u>		Email: <u>ewinters@petd.com</u>

DESCRIPTION OF SPILL OR RELEASE

Date of Incident: <u>12/12/2011</u>	Facility Name & No: <u>PDC Puckett 242-36 (COGCC #324334)</u>	County: <u>Garfield</u>
Type of Facility (well, tank battery, flow line, pit): <u>Well pad</u>		QtrQtr: <u>NESW</u> Section: <u>36</u>
Well Name and Number: <u>Puckett 242-36</u>		Township: <u>6S</u> Range: <u>97W</u>
API Number: <u>05-045-11046</u>		Meridian: <u>6</u>
Specify volume spilled and recovered (in bbls) for the following materials:		
Oil spilled: _____	Oil recov'd: _____	Water spilled: <u>~250</u>
		Water recov'd: <u>~30</u>
		Other spilled: _____
		Other recov'd: _____
Ground Water impacted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Surface Water impacted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Contained within berm? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Area and vertical extent of spill: <u>Unknown. Frac tanks located over spill area</u>	
Current land use: <u>Open range, undeveloped</u>		Weather conditions: <u>Partly cloudy, cold, 4" of snow on ground.</u>
Soil/geology description: <u>Parachute-Rhone loams, 5 to 30 percent slopes</u>		
IF LESS THAN A MILE , report distance IN FEET to nearest ... Surface water: <u>~250</u> wetlands: <u>None</u> buildings: <u>None</u>		
Livestock: <u>None</u> Water wells: <u>~743</u> Depth to shallowest ground water: <u>Unknown</u>		
Cause of spill (e.g. equipment failure, human error, etc.): <u>Equipment failure</u>		
Detailed description of the spill/release incident: <u>Leaking frac tanks being utilized for fracing operations resulted in the release of produced water and flowback water onto the pad surface. The frac tank mainfolds and piping were leaking which resulted in the release, possibly due to weather conditions. The fluid was released onto the well pad potentially impacting approximately 1/3 of the pad surface.</u>		

CORRECTIVE ACTION

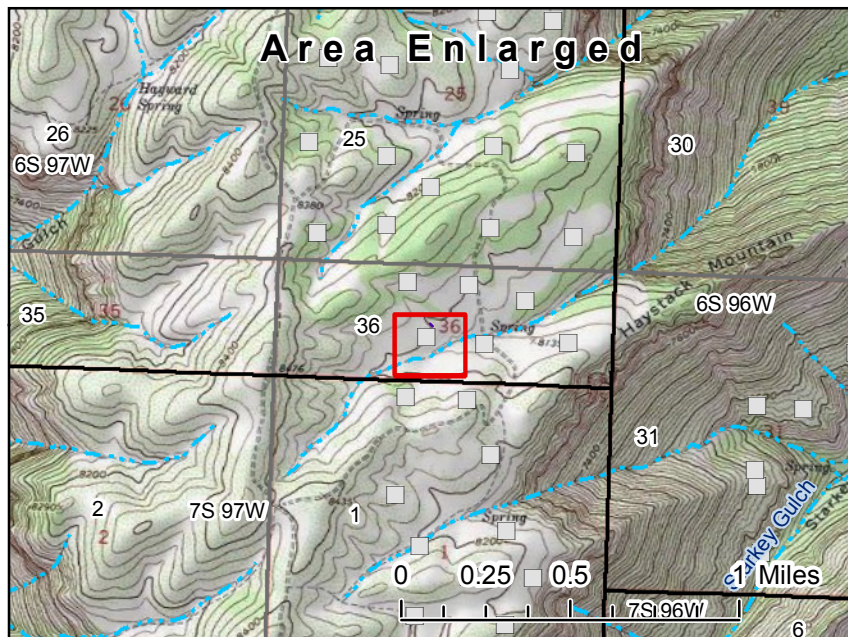
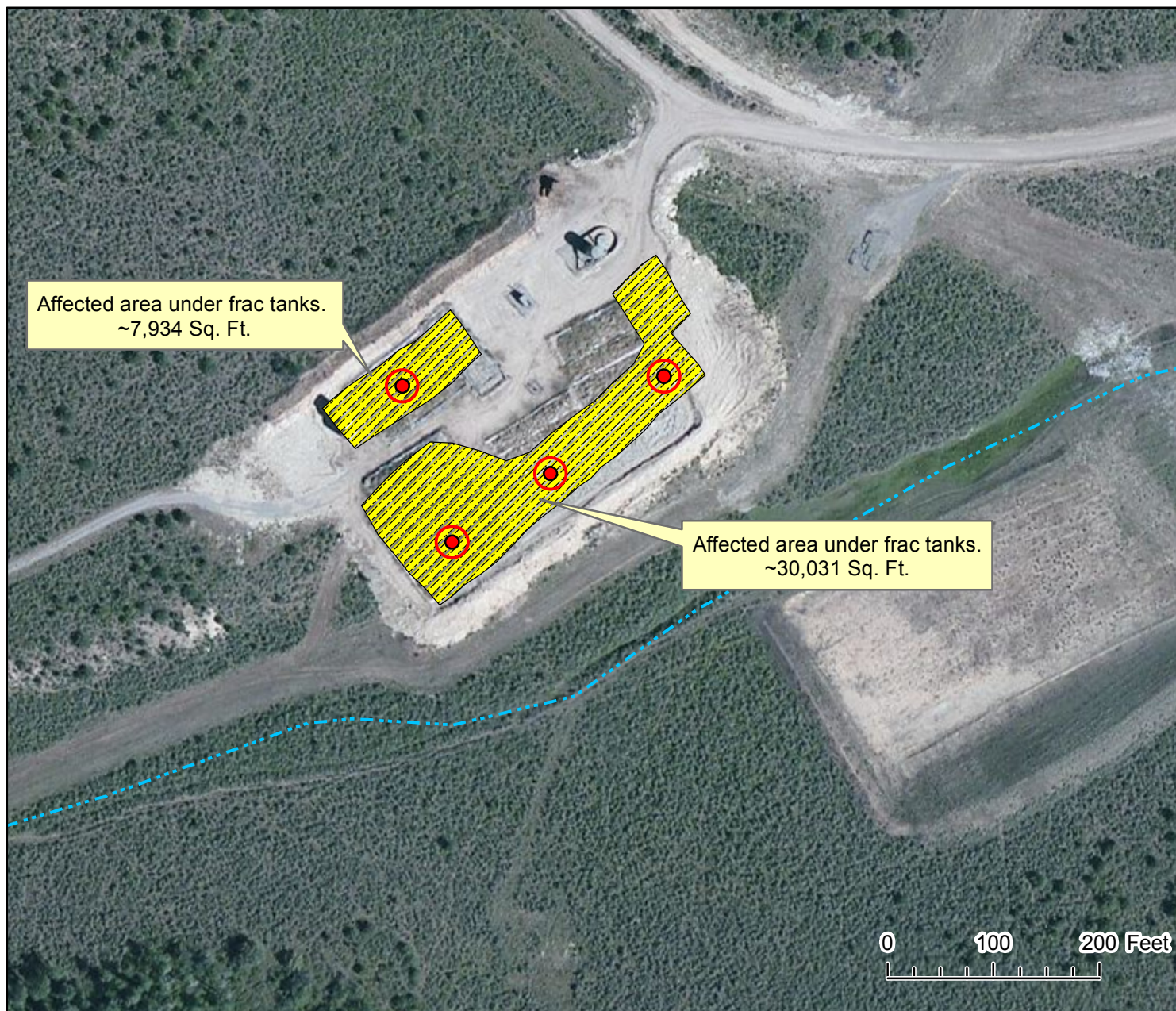
Describe immediate response (how stopped, contained and recovered): <u>The compromised pipes and manifolds were repaired. The release was contained to the pad surface. The natural release point for water leaving the pad is the access road; An earthen drive over berm was installed at the entrance to the pad to eliminate the possibility of storm water from escaping the pad. Approximately 30 barrels of fluid was recovered by vacuum truck.</u>
Describe any emergency pits constructed: <u>None</u>
How was the extent of contamination determined? <u>Unable to determine the full extent of the release due to frac tanks located over the spill area. A Trimble GPS unit was utilized to map the location of the frac tanks and possible spill origins.</u>
Further remediation activities proposed (attach separate sheet if needed): <u>A full site characterization will be completed upon removal of frac tanks from the spill area. Remediation options will be discussed after site characterization is complete.</u>
Describe measures taken to prevent problem from reoccurring: <u>Conduct regular inspection and maintenance of equipment used during fracing operations. An earthen berm drive over was constructed at the pad entrance to contain all fluids to the well pad.</u>

OTHER NOTIFICATIONS

List the parties and agencies notified (County, BLM, EPA, DOT, Local Emergency Planning Coordinator or other).

Date	Agency	Contact	Phone	Response
12/12/2011	COGCC	Chris Canfield	970-265-2497	Notified via phone call and email
12/12/2011	Puckett Land Co.	Lee Hall		Notified via phone call and email
12/12/2011	Puckett Land Co.	Ray Anderson		Notified via phone call and email

Spill/Release Tracking No: 2221630



Attachment A - Spill Location Map
Location: Puckett 242-36
 Petroleum Development Corporation

Legend

Potential Points of Origin

PDC Pad

PLSS

Township

Section

Hydrographic Features

Perennial Stream

Intermittent Stream

