



April 20, 2001

Mr. Gary Ledbetter  
Conoco, Inc./San Juan/Lobo Business Unit  
3315 Bloomfield Hwy.  
Farmington, NM 87401

30-039-07212

Project Number: 4-1822

**RE: Cleanup of Product Spill at San Juan 28-7-85, Unit A, Section 6, T27N, R7W, NMPM,  
Rio Arriba County, New Mexico**

This correspondence documents the corrective measures completed by Conoco for a 160 barrels release from a 500-barrel Aboveground Storage Tank (AST) at the referenced location.

On March 5, 2001, Mr. Gary Ledbetter of Conoco Inc., contacted *ON SITE TECHNOLOGIES LIMITED PARTNERSHIP* to assist with the clean up of a reported release of 160 barrel spill of product and water from a faulty check valve on production tank at the referenced location. The release was contained within the earthen berms of the secondary containment. The spill had been reported to New Mexico Oil Conservation Division (NMOCD and Bureau of Land Management (BLM) by Conoco. Due to inclement weather, the on-site reclamation activities could not be started until March 13, 2001.

### **Summary of Field Activities**

On March 13, 2001, Mr. Larry Trujillo of *ON SITE* met with a crew from High Desert Industrial Inc. A safety briefing was conducted by the High Desert Site Supervisor, Brian Schressler. The area of concern was located approximately 130 feet from the wellhead 60 degrees west of north. See site sketch. The location is set on a sandstone shelf of Stove Canyon. An ephemeral tributary to Largo Canyon Wash.

The tank had been relocated to facilitate the clean up operations. A trench was dug using a backhoe, near the former location of the tank inside of the earthen berms. The trench was used as a guide to determine the depth to bedrock and assess the depth of soil contamination. Refer to enclosed photo sheets.

Bedrock (Sandstone) was encountered at approximately 8 feet below the ground surface. There was a strong odor of petroleum being emitted from the trench. Excavation as started in the northeast corner of the bermed contentment. Excavated contaminated soils would be landfarmed on the eastern edge of the well location. A sample was collected from the exposed sandstone. The sample was field screened using both a Heated Headspace Method and PetrolFLAG™ Total Petroleum Hydrocarbon field screening kit. Refer to enclosed table for field screening results. Risk assessment is enclosed.

Mr. Stan Moran of Conoco Inc. arrived on site. Mr. Trujillo, Mr. Moran, and Mr. Schressler discussed that due to the amount of soil to be removed. It would more efficient to use a trackhoe to excavate the soil, while the backhoe constructed the landfarm and spread the soil in to the landfarm. Mr. Moran agreed and excavation was suspended until March 14, 2001, when the trackhoe would be on-site.

On March 14, 2001, the excavation was resumed. The trackhoe started along the eastern edge of the former tank site. A rock shelf was encountered on the eastern edge of the excavation refer to site sketch. A sample was collected and field screened for volatile organics and TPH as the previously described. Refer to enclosed table for field screening results.

PO Box 2606  
Farmington, NM 87499

Telephone: 505-325-5667

FAX: 505-327-1496

Excavation was halted along the eastern edge of the location, due to safety concerns. During the excavation of the location, two (2) pipes were uncovered near the east and south edges of the excavated area. Mr. Schressfler indicated that pipes might have been left over from when Amoco operated this location. Refer to enclosed photo sheet.

The western edge and southern edge were excavated to a point where the soils appeared to be visually clean. Samples were collected and field screened for volatile organics and TPH.

The Northern edge of the excavation was excavated to a point near the power pole on the northern edge of the location. Three samples were collected and field screened for volatile organics and TPH to monitor the progress of the excavation. Due to safety concerns of the trackhoe encountering the power lines, Mr. Trujillo terminated the excavation towards the north.

For closure, selected confirmation samples were split, placed in laboratory supplied containers, labeled, put on ice and transported to ON SITE's Farmington laboratory in accordance with USEPA and State guidelines and regulations. The samples were analyzed for Volatile Organic Hydrocarbon (benzene, toluene, ethylbenzene, and xylenes) BTEX per EPA Method 8021 and Total Petroleum Hydrocarbons (TPH), Diesel Range Organics (DRO) per EPA Method 8015M. Chain-of-Custody protocol was followed. Refer to enclosed table for laboratory results.

The excavation was left open until arrangements were made to have the excavation backfilled. The excavation was fenced to prevent humans or animal from falling into the excavation and becoming trapped.

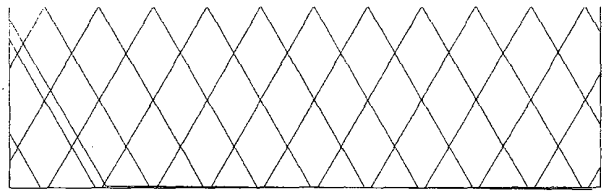
On April 3, 2001, Mr. Trujillo returned to the 28-7-85 well location and arbitrarily collected 12 grab samples for closure from the area of the landfarm. Refer to landfarm site sketch for approximate location of samples. Samples were field screened for volatile organics using a Heated Headspace Method. The samples were split, composited, placed in laboratory supplied containers and transported to ON SITE's Farmington laboratory for analysis as previously described

Laboratory results for the April 3, 2001, sampling event indicated DRO contamination levels at 1250 parts per million and Benzene levels as non detect, Total BTEX contamination levels were 0.1168 parts per million. This is below the NMOCD standards a well location that has a ranking of 0 to 9 (Benzene 10 ppm, BTEX 50 ppm and TPH 5000 ppm). Landfarm closure form is enclosed

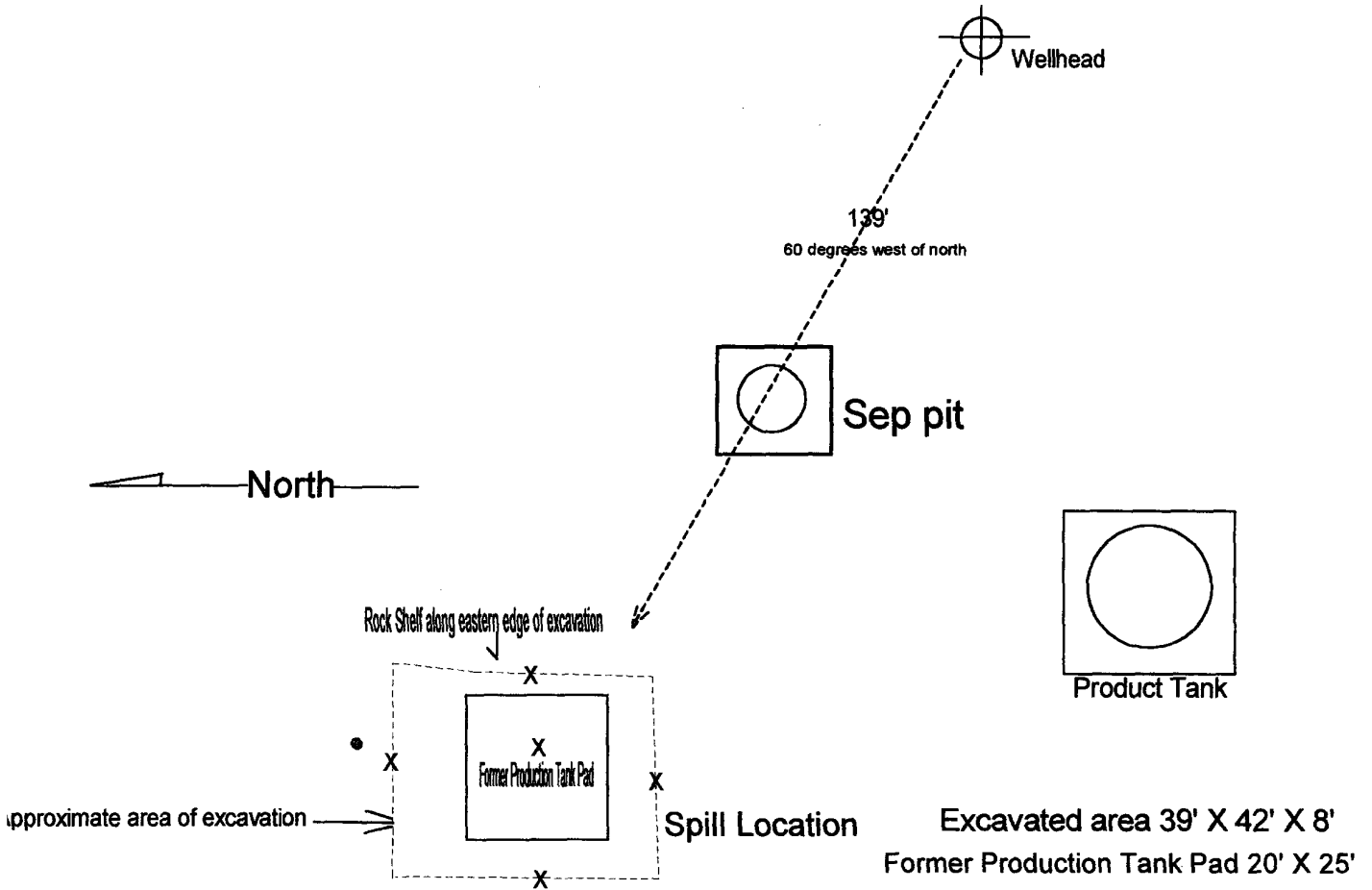
ON SITE recommended to Mr. Stan Moran of Conoco Inc. that, the soils from the landfarm may be used as backfill for the excavation.

### **Limits and Closure**

Our scope of services consisted of supervision of the excavation operation, field screening, soil sampling, laboratory analysis and preparation of this summary report. All work has been performed in accordance with generally accepted hazardous materials management professional practices.



Approximate Area of Landfarm




Not to scale

# STOVE CANYON

● Power pole

X Approximate Sample Location

Conoco San Juan 28-7-85 Unit A, Section 6, T27N, R7W NMPM, San Juan County, NM	Site Sketch	 ON SITE TECHNOLOGIES, LTD. P.O. BOX 2606, FARMINGTON, NM 87499 (505) 325-5667
	DRWN: 3/26/01	
	DRWN BY: LET	
PROJECT NO: 4-1822	REVISED:	