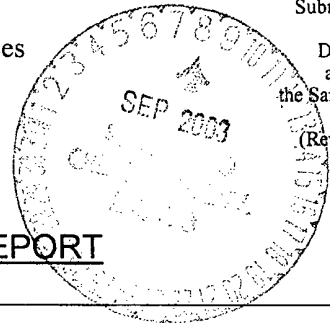


District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

OK  
Submit 1 copy to  
appropriate  
District Office  
and 1 copy to  
the Santa Fe Office  
(Revised 3/9/94)



PIT REMEDIATION AND CLOSURE REPORT

30-045-24183

Operator: ConocoPhillips Company Telephone: (505)599-3400

Address: 5525 Hwy. 64 Farmington, NM 87401

Facility Or: Federal #21

Well Name

Location: Unit or Qtr/Qtr Sec D Sec 9 T 27N R 08W County San Juan

Pit Type: Separator        Dehydrator        Other Earthen pit

Land Type: BLM X, State       , Fee        Other       

Pit Location: Pit dimensions: length 10', width 10', depth 3'  
(Attach diagram)

Reference: wellhead X, other       

Footage from reference: 75'

Direction from reference: 30 Degrees        East North         
of  
X West South X

Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)
	50 feet to 99 feet	(10 points)
	Greater than 100 feet	( 0 points) <u>0</u>

Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources.)	Yes	(20 points)
	No	( 0 points) <u>0</u>

Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet	(20 points)
	200 feet to 1000 feet	(10 points)
	Greater than 1000 feet	( 0 points) <u>0</u>

RANKING SCORE (TOTAL POINTS): 0 pts.

Date Remediation Started: 5/16/03 Date completed: 5/16/03

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards 0  
(Check all appropriate sections.) Landfarmed N/A Insitu Bioremediation N/A  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_  
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: \_\_\_\_\_

A soil sample was extracted at 6-ft below ground level (3-ft below pit bottom). The sample was analyzed for GRO/DRO and BTEX analysis. All analyses were within BLM and NMOCD standards.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit:  
Closure Sampling:  
(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)

Sample location Center of pit 6-feet below surface level (3-ft below pit bottom).

Sample depth 3' below pit bottom

Sample Date 5/19/03 Sample time 9:10 am

Sample Results

Benzene(ppm) 0.396

Total BTEX(ppm) 5.050

Field headspace(ppm) 142

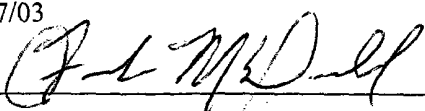
TPH 1050ppm

Ground Water Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Date 6/17/03

Signature



Printed Name Frank McDonald  
and Title Sr. Environmental Specialist

**Location:** Federal #21  
**Footages:** 315' FNL & 720' FWL  
**Unit Letter:** D **Sec.** 9 **Twn.** 27N **Rng** 8W  
**Latitude:** 36.5953523° N **Longitude:** 107.6924681° W  
**Lease Num.** NM-029144 **Land Type:** BLM

**Pit Type:** Earthen Pit

**Pit Reference**

**Reference:** wellhead **Footage:** 75'  
**Direction** N or (S) 30 Degrees E or (W)  
**Initial size:** 10' x 10' x 3' = 300 ft<sup>3</sup>  
**Final Size:** 10' x 10' x 3' 300 ft<sup>3</sup>  
**Total Cubic Yards:** 0

**Distances from (ft):**

**Groundwater:** > 100 ft.  
**Wellhead Protection Area:** No  
**Nearest Surface Water:** >1000 ft.  
**Distance to ephemeral stream:** N/A

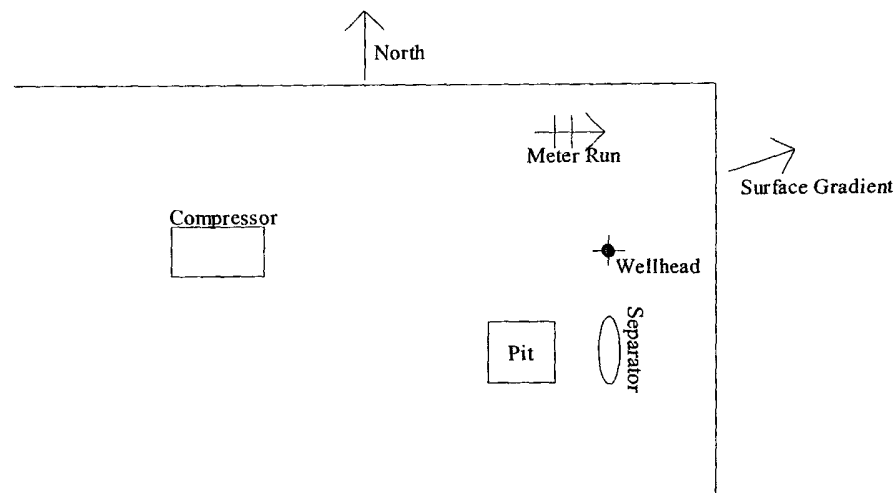
(Navajo/Jicarilla only)

**Ranking Score (points):** 0 pts.

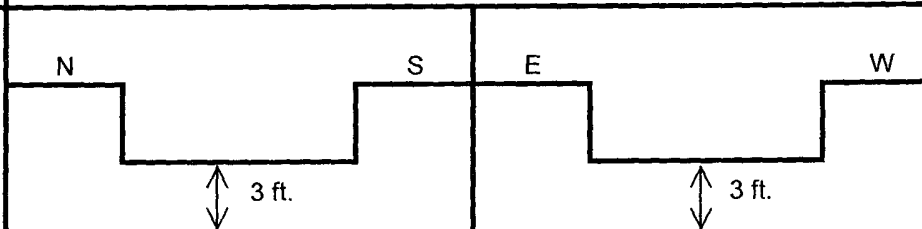
Sample ID	Description	OVM Reading
1	3' below pit bottom	142 ppm
2		
3		
4		
5		
6		
7		
8		
9		
10		

**Comments:**  
 Detected odor

**Site Diagram:**



Not to Scale



# ENVIROTECH LABS

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-001
Sample ID:	Pit	Date Reported:	05-20-03
Laboratory Number:	25687	Date Sampled:	05-16-03
Chain of Custody:	10551	Date Received:	05-19-03
Sample Matrix:	Soil	Date Analyzed:	05-20-03
Preservative:	Cool	Date Extracted:	05-19-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	396	1.8
Toluene	1,340	1.7
Ethylbenzene	635	1.5
p,m-Xylene	1,300	2.2
o-Xylene	1,380	1.0
Total BTEX	5,050	

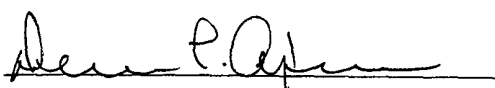
ND - Parameter not detected at the stated detection limit.

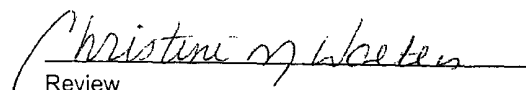
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Fed #21.

  
Analyst

  
Review

**EPA METHOD 8015 Modified**  
**Nonhalogenated Volatile Organics**  
**Total Petroleum Hydrocarbons**

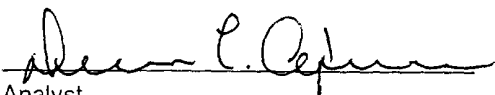
Client:	ConocoPhillips	Project #:	96052-026
Sample ID:	Pit	Date Reported:	05-20-03
Laboratory Number:	25687	Date Sampled:	05-16-03
Chain of Custody No:	10551	Date Received:	05-19-03
Sample Matrix:	Soil	Date Extracted:	05-19-03
Preservative:	Cool	Date Analyzed:	05-20-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

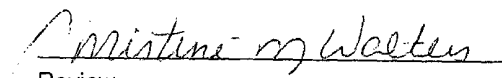
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	902	0.2
Diesel Range (C10 - C28)	146	0.1
Total Petroleum Hydrocarbons	1,050	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Fed #21.**

  
Analyst

  
Review