

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 for 0 points
12/16/04

Submit 1 copy to
appropriate
District Office
and 1 copy to
the Santa Fe Office

Revised June 10, 2003

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>ConocoPhillips Company</u> Telephone: <u>(505) 599-3400</u>		
Address: <u>5525 Hwy. 64 Farmington, NM 87401</u>		
Facility Or: <u>Valencia Canyon U #36</u> API #: <u>30-039-21646</u>		
Well Name _____		
Location: Unit or Qtr/Qtr Sec <u>F</u> Sec <u>14</u> T <u>28N</u> R <u>4W</u> County <u>Rio Arriba</u>		
Pit Type: Separator _____ Dehydrator _____ Other <u>Unknown</u>		
Land Type: BLM _____, State _____, Fee _____ Other <u>Forest</u>		
Pit Location: Pit dimensions: length <u>12'</u> , width <u>12'</u> , depth <u>6"</u> (Attach diagram) Reference: wellhead <u>X</u> , other _____ Footage from reference: <u>54'</u> Direction from reference: <u>90</u> Degrees <u>X</u> East North <u>X</u> of _____ West South _____		
Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (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 No	(20 points) (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 200 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points) <u>0</u>
RANKING SCORE (TOTAL POINTS):		<u>0 pts.</u>

Date Remediation Started: 5/25/04 Date completed: 5/25/04

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

Remediation Location: Onsite N/A Offsite N/A
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: _____

A soil sample was extracted at 9-ft below ground level (8.5-ft. below pit bottom). The sample was analyzed for GRO/DRO and BTEX analysis. The site poses no risk to human health or the environment. Refer to attached risk evaluation form.

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, 9-ft below surface level (8.5-ft. below pit bottom)

Sample depth 8.5-ft. below pit bottom

Sample Date 5/25/04 Sample time 11:50

Sample Results

Benzene(ppm) 0.0028

Total BTEX(ppm) 3.530

Field headspace(ppm) N/A

TPH 3080 ppm

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.

Signature [Signature] Date 6/2/04

Printed Name Larry Trujillo Title Environmental Specialist

E-mail Address fmcd_best@hotmail.com

Operator: ConocoPhillips Company
Location Name: Valencia Canyon U #36
Location: Unit F, Section 14, T 28N, R 4W
Risk Ranking: 0

RATIONAL FOR RISK-BASED CLOSURE OF PRODUCTION LOCATIONS OUTSIDE OF THE VULNERABLE ZONE IN SAN JUAN BASIN

This production location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there is no surface water bodies within 1,000 horizontal feet of the pit location.

The unknown pit was back filled with clean soil and graded in a manner to divert precipitation away from excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact with livestock and populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within twenty (20) feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstone, shale and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone	10^{-9} to 10^{-13} cm/sec
Shale	10^{-12} to 10^{-16} cm/sec
Clay	10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) is degrading the residual hydrocarbon to carbon dioxide and water and will continue until source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to effect human health, therefore

ConocoPhillips requests closure of this pit location.

Client: Gonzalez Phillips

Location: Valencia Canyon U # 36

Footages: 1500' FNL & 1600' FWL

Unit Letter: Sec. 14 Twn. 28N Rng 4W

Latitude: N36.66574 Longitude: W-107.224

Lease Num.: NMSF-14914 Land Type: Forest

Pit Type: Unknown

Pit Reference

Reference: Wellhead Footage: 54-ft

Direction: N or S 90 Degrees E or W

Initial size: 12' X 12' X 6" deep

Final Size: 12' X 12' X 6" deep

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

Site Diagram:

North

Wellhead Marker

Surface Gradient

Pit Area

Not to Scale

N

S

E

W

Sample ID

Description

OVM Reading

1

2

3

4

5

6

7

8

9

10

Comments:

Sample was retrieved from 9-feet below pit bottom and sent to Envirotech Labs for BTEX and GRO/DRO analysis

Prepared by: Johnny McDonald

Biosphere Environmental Sciences Technologies

ENVIROTECH LABS

ENVIRONMENTAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

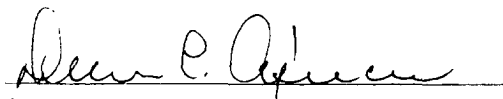
Client:	ConocoPhillips	Project #:	96052-026-106
Sample ID:	Pit #1	Date Reported:	05-27-04
Laboratory Number:	28842	Date Sampled:	05-25-04
Chain of Custody No:	12214	Date Received:	05-26-04
Sample Matrix:	Soil	Date Extracted:	05-27-04
Preservative:	Cool	Date Analyzed:	05-27-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

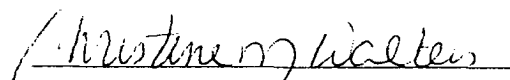
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	455	0.2
Diesel Range (C10 - C28)	2,620	0.1
Total Petroleum Hydrocarbons	3,080	0.2

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: **Valencia Canyon U 36.**


Analyst


Review

ENVIROTECH LABS

Practical Solutions For A Better Tomorrow

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-026-106
Sample ID:	Pit #1	Date Reported:	05-27-04
Laboratory Number:	28842	Date Sampled:	05-25-04
Chain of Custody:	12214	Date Received:	05-26-04
Sample Matrix:	Soil	Date Analyzed:	05-27-04
Preservative:	Cool	Date Extracted:	05-27-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.8	1.8
Toluene	142	1.7
Ethylbenzene	1,280	1.5
p,m-Xylene	613	2.2
o-Xylene	1,490	1.0
Total BTEX	3,530	

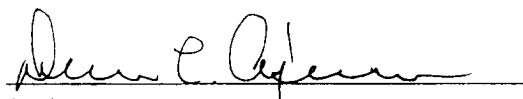
ND - Parameter not detected at the stated detection limit.

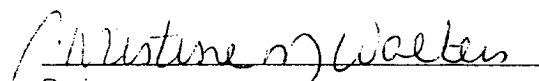
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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: Valencia Canyon U 36.


Analyst


Review