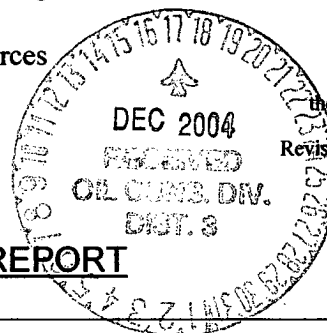


District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Groundwater Encountered



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

Revised June 10, 2003

OK

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>Campbell Fed #5</u>		API #: <u>30-045-06307</u>
Well Name _____		
Location: Unit or Qtr/Qtr Sec <u>A</u> Sec <u>27</u> T <u>27N</u> R <u>12W</u> County <u>San Juan</u>		
Pit Type: Separator <u>X</u> Dehydrator _____ Other _____		
Land Type: BLM <u>X</u> , State _____, Fee _____ Other _____		
Pit Location: Pit dimensions: length <u>10'</u> , width <u>10'</u> , depth <u>3'</u> (Attach diagram)		
Reference: wellhead <u>X</u> , other _____		
Footage from reference: <u>78'</u>		
Direction from reference: <u>78</u> Degrees _____ East North _____ of <u>X</u> West South <u>X</u>		
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>20</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>20 pts.</u>

Date Remediation Started: 3/25/04 Date completed: 4/29/04

Remediation Method: Excavation X Approx. cubic yards 89
(Check all appropriate sections.) Landfarmed X Insitu Bioremediation N/A
Other _____

Remediation Location: Onsite _____ Offsite Envirotech
(i.e. landfarmed onsite, name and location of offsite facility) 5796 US Hwy 64 Farmington, NM 87401

General Description of Remedial Action: A soil sample was extracted at 6-ft below ground level (3-ft. below pit bottom). The pit was excavated (89 yd³). A soil sample was extracted at 12-ft below ground level (pit bottom) and a 4-pt. composite soil sample was extracted from 3-ft. into the sidewalls of the pit. Groundwater was encountered at 9 ft. and a water sample was extracted. The samples were analyzed for GRO/DRO and BTEX analysis. Refer below to analytical results.

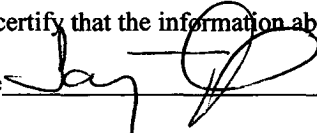
Ground Water Encountered: No _____ Yes X Depth 9 ft.

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample #1 location	<u>Center of pit, 6-ft below surface level (3-ft. below pit bottom)</u>		
	Sample depth	<u>3-ft. below pit bottom</u>		
	Sample Date	<u>3/25/04</u>	Sample time	<u>8:28</u>
	Sample #2 location	<u>Center of pit, 12-ft below surface level (pit bottom)</u>		
	Sample depth	<u>pit bottom</u>		
	Sample Date	<u>4/29/04</u>	Sample time	<u>10:45</u>
	Sample #3 location	<u>4-pt. composite from 3-ft into sidewalls of pit.</u>		
	Sample depth	_____		
	Sample Date	<u>4/29/04</u>	Sample time	<u>10:45</u>
	Sample #4 location	<u>water sample: center of pit 9ft. below surface level.</u>		
Sample depth	<u>9ft. below surface level</u>			
Sample Date	<u>5/18/04</u>	Sample time	<u>6:35</u>	

Sample Results	#1	#2	#3	#4 - water
Benzene(ppm)	<u>0.156</u>	<u>Non Detect</u>	<u>Non Detect</u>	<u>Non Detect</u>
Total BTEX(ppm)	<u>9.940</u>	<u>0.124</u>	<u>0.0319</u>	<u>0.0014</u>
Field headspace(ppm)	<u>3469</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
TPH (ppm)	<u>14380</u>	<u>Non Detect</u>	<u>Non Detect</u>	<u>N/A</u>
Ground Water Sample:	Yes <u>X</u> No _____ (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



Date 5/24/04

Printed Name

Larry Trujillo

Title

Environmental Specialist

E-mail Address

fmcd_best@hotmail.com

Location: Campbell Fed #5		Footages: 790' FNL & 790' FEL	
Unit Letter: A	Sec. 27	Twn. 27N	Rng 12W
Latitude: 36.55127° N	Longitude: 108.09193° W		
Lease Num. SF-079114-A	Land Type: BLM		
Pit Type: Separator Pit			
Pit Reference			
Reference:	wellhead	Footage: 78	
Direction: N or (S) 78	Degrees	E or (W)	
Initial size:	10' x 10' x 3' = 300 ft ³		
Final Size:	15' x 15' x 12' = 2700 ft ³		
Total Cubic Yards:	89 yd ³		
Distances from (ft):			
Groundwater:	< 50 ft.		
Wellhead Protection Area:	No		
Nearest Surface Water:	> 1000ft.		
Distance to ephemeral stream:	N/A		
(Navajo/Jicarilla only)			
Ranking Score (points): 20 pts.			
Sample ID	Description	OVM Reading	
1	sep pit	3469 ppm 3' below pit bottom	
2	tank pit	33.8 ppm 3' below pit bottom	
3	blowdown pit	2.7 ppm 3' below north end of pit bottom	
4			
5			
6			
7			
8			
9			
10			
Comments: sep pit - odor & staining at 3', saturated soil due to proximity to NAPI field. tank pit - no odor or staining blowdown pit - no odor or staining			
Tests:			

Site Diagram:

Campbell Fed #5
Not to Scale

North

Meter Run

Wellhead

Produced Water Tank

Separator

Sep Pit

Tank Pit

Blow Pit

Not to Scale

N S E W

3 ft.

3 ft.

Location: Campbell Fed #5		Site Diagram:	
Footages: 790' FNL & 790' FEL		Campbell Fed #5 Not to Scale	
Unit Letter: A Sec. 27 Twn. 27N Rng 12W			
Latitude: 36.55127° N Longitude: 108.09193° W			
Lease Num. SF-079114-A Land Type: BLM			
Pit Type: Separator Pit			
Pit Reference:			
Reference: wellhead Footage: 78			
Direction: N or (S) 78 Degrees E or (W)			
Initial size: 10' x 10' x 3' = 300 ft ³			
Final Size: 15' x 15' x 12' = 2700 ft ³			
Total Cubic Yards: 89 yd ³			
Distances from (ft):			
Groundwater: < 50 ft.			
Wellhead Protection Area: No			
Nearest Surface Water: > 1000ft.			
Distance to ephemeral stream: N/A			
(Navajo/Jicarilla only)			
Ranking Score (points): 20 pts.			
Sample ID	Description	OVM Reading	
1	Bottom of Pit	N/A	
2	4pt.comp.sidewalls	N/A	
3			
4			
5			
6			
7			
8			
9			
10			
Comments:			Not to Scale
Tests:			

Client: ConocoPhillips Company

Date Began: 3/25/04

Date End: 4/29/04

Location: Campbell Fed #5		Site Diagram:	
Footages: 790' FNL & 790' FEL		Campbell Fed #5 Not to Scale	
Unit Letter: A Sec. 27 Twn. 27N Rng. 12W		North	
Latitude: 36.55127° N Longitude: 108.09193° W		↑	
Lease Num. SF-079114-A Land Type: BLM			
Pit Type: Separator Pit			
Pit Reference:			
Reference:	wellhead	Footage:	78
Direction:	N or (S) 78 Degrees	E	or (W)
Initial size:	10' x 10' x 3' = 300 ft³		
Final Size:	15' x 15' x 12' = 2700 ft³		
Total Cubic Yards:	89 yd³		
Distances from (ft):			
Groundwater: < 50 ft.			
Wellhead Protection Area: No			
Nearest Surface Water: > 1000ft.			
Distance to ephemeral stream: N/A			
(Navajo/Jicarilla only)			
Ranking Score (points): 20 pts.			
Sample ID	Description	OVM Reading	
1	water sample @ 9'		
2			
3			
4			
5			
6			
7			
8			
9			
10			
Comments:			
Tests:			

Produced Water Tank

Separator

Sep Pit

Wellhead

Tank Pit

Blow Pit

Meter Run

North

Not to Scale

N

S

E

W

9 ft.

9 ft.

Not to Scale

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

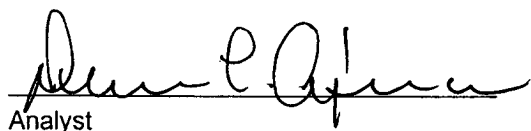
Client:	ConocoPhillips	Project #:	96052-026-095
Sample ID:	Sep Pit - 6 FT	Date Reported:	03-26-04
Laboratory Number:	28213	Date Sampled:	03-25-04
Chain of Custody No:	11769	Date Received:	03-25-04
Sample Matrix:	Soil	Date Extracted:	03-25-04
Preservative:	Cool	Date Analyzed:	03-26-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

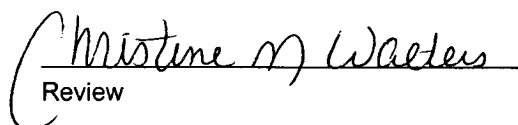
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5,300	0.2
Diesel Range (C10 - C28)	9,080	0.1
Total Petroleum Hydrocarbons	14,380	0.2

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: **Campbell Fed #5.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-026-095
Sample ID:	Sep Pit 6 ft	Date Reported:	03-26-04
Laboratory Number:	28213	Date Sampled:	03-25-04
Chain of Custody:	11769	Date Received:	03-25-04
Sample Matrix:	Soil	Date Analyzed:	03-26-04
Preservative:	Cool	Date Extracted:	03-25-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	156	1.8
Toluene	2,870	1.7
Ethylbenzene	1,640	1.5
p,m-Xylene	3,160	2.2
o-Xylene	2,110	1.0
Total BTEX	9,940	

ND - Parameter not detected at the stated detection limit.

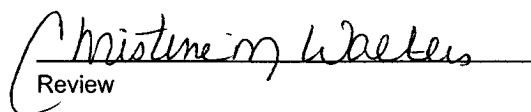
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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: Campbell Fed #5.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

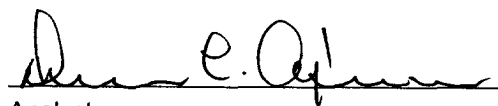
Client:	ConocoPhillips	Project #:	96052-026-099
Sample ID:	Btm Pit 12ft	Date Reported:	05-03-04
Laboratory Number:	28543	Date Sampled:	04-29-04
Chain of Custody No:	11942	Date Received:	04-30-04
Sample Matrix:	Soil	Date Extracted:	04-30-04
Preservative:	Cool	Date Analyzed:	05-03-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

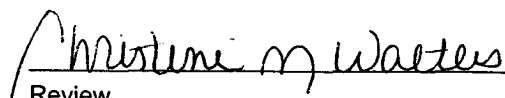
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: Campbell Fed #5.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-026-099
Sample ID:	Btm Pit 12ft	Date Reported:	05-03-04
Laboratory Number:	28543	Date Sampled:	04-29-04
Chain of Custody:	11942	Date Received:	04-30-04
Sample Matrix:	Soil	Date Analyzed:	05-03-04
Preservative:	Cool	Date Extracted:	04-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	9.9	1.5
p,m-Xylene	98.9	2.2
o-Xylene	15.4	1.0
Total BTEX	124	

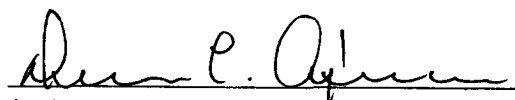
ND - Parameter not detected at the stated detection limit.

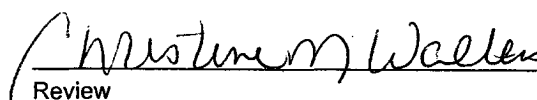
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Campbell Fed #5.


Analyst


Review

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

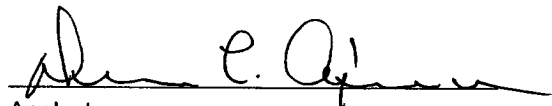
Client:	ConocoPhillips	Project #:	96052-026-099
Sample ID:	S/W Comp.	Date Reported:	05-03-04
Laboratory Number:	28544	Date Sampled:	04-29-04
Chain of Custody No:	11942	Date Received:	04-30-04
Sample Matrix:	Soil	Date Extracted:	04-30-04
Preservative:	Cool	Date Analyzed:	05-03-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

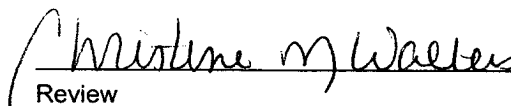
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Campbell Fed #5.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-026-099
Sample ID:	S/W Comp.	Date Reported:	05-03-04
Laboratory Number:	28544	Date Sampled:	04-29-04
Chain of Custody:	11942	Date Received:	04-30-04
Sample Matrix:	Soil	Date Analyzed:	05-03-04
Preservative:	Cool	Date Extracted:	04-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	3.8	1.5
p,m-Xylene	28.1	2.2
o-Xylene	ND	1.0
Total BTEX	31.9	

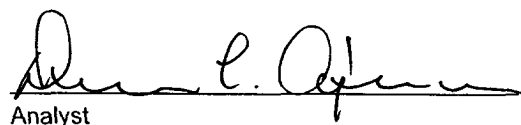
ND - Parameter not detected at the stated detection limit.

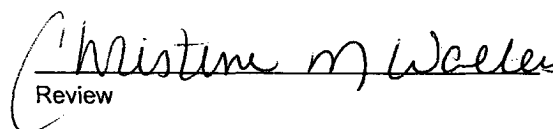
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Campbell Fed #5.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: ConocoPhillips
Sample ID: Sep Pit
Chain of Custody: 11946
Laboratory Number: 28717
Sample Matrix: Water
Preservative: Cool
Condition: Cool & Intact

Project #: 96052-026-104
Date Reported: 05-18-04
Date Sampled: 05-18-04
Date Received: 05-18-04
Date Analyzed: 05-18-04
Analysis Requested: BTEX

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	ND	1	0.2
Ethylbenzene	1.0	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	0.4	1	0.1

Total BTEX 1.4

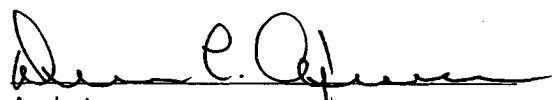
ND - Parameter not detected at the stated detection limit.

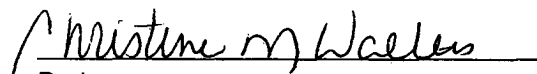
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	4-bromochlorobenzene	100 %

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

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Campbell Fed #5.


Analyst


Review