

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Box 1980, Hobbs, NM
District III
1000 Rio Brazos Rd, Aztec, NM 87410
JUN 23 1998

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Devon Energy Corporation Telephone: (505) 324-0033

Address: 3300 North Butler Avenue, Suite 211, Farmington, NM 87401

Facility Or: N.E. Blanco Unit # 7 R
Well Name

Location: Unit or Qtr/Qtr Sec B Sec 21 T 30N R 7 W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: BLM State Fee Other

Pit Location: Pit dimensions: Length 12 ft, width 12 ft, depth 2 ft
(Attach diagram)

Reference: wellhead X other

Footage from reference: 115 ft

Direction from reference: 85 Degrees East North
of
X West South X

Depth to Ground Water:		Less than 50 feet	(20 points)	
(vertical distance from		50 ft to 99 feet	(10 points)	
contaminants to seasonal	<u>X</u>	Greater than 100 feet	(0 points)	<u>0</u>
highwater elevation of				
ground water)				

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

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

P:\pits\PrC@.WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 5/14/97 Date Completed: 5/16/97

Excavation _____ Approx. cubic yards _____
Landfarmed _____ Insitu Bioremediation _____
Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate sections)

General Description of Remedial Action : The results of the sample at 4' below pit bottom
Indicated that the pit was clean. A double-lined steel pit was installed in excavation
And backfilled flush to tank.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Center of pit
Closure Sampling: _____
(if multiple samples, attach sample results)
and diagram of sample locations and depths) Sample depth 4' below pit bottom
Sample date 5/16/97 Sample time _____

Sample Results

Benzene(ppm) _____
Total BTEX (PPM) _____
Field Headspace (ppm) 31.9
TPH ND ppm

Ground Water Sample: Yes _____ No X (if yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE 2-27-98 PRINTED NAME Jim Abbey

SIGNATURE Jim K. Abbey and TITLE Operations Engineer

Client : Devon Energy

Date Started : 16 May 1997 Date Completed : 16 May 1997

Location : N.E.Blanco Unit No. 7R

Quad : "8" Section : 21

Range : 7 W Township: 30 N

Pit : SepProd

Reference :

115', S 85 degrees W of wellhead

Initial Size 12' x 12' x 2'deep

Final Size 12' x 12' x 2' deep

Yds. Excavated :

0

Depth to Groundwater:

>100'

Nearest Water Source:

>1000'

Nearest Surface Water:

>1000'

NMOCOD Ranking Score:

0

TPH Closure Standard:

5000 ppm

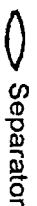
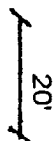
Comments : Soil is moist, brown, clay silt

No hydrocarbon staining or odor during sampling.

Sample # 1 sent to laboratory for GRC/DRO analysis. Double bottom steel pit installed.

Sample #	Location	OVW
1	C. Btm @ 6'	31.9
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Overview of Location and Sampling :

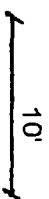


Production
Tank

Pit Profile : East to West :

East

West

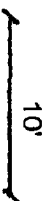


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Pit Profile : North to South :

North

South



1

TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Devon Energy Corporation

Project ID: NEBU 7R - Sep Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 07/03/97
Date Sampled: 05/16/97
Date Received: 05/16/97
Date Extracted: 05/19/97
Date Analyzed: 05/20/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @ 6'	6934	ND	37.1

ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	94%	50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
State of Tennessee, Department of Environment and Conservation, Division
of Underground Storage Tanks.

Comments:



Analyst



Review

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Diesel Range Organics

Devon Energy Corporation

Project ID: NEBU #7R - Separator Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 06/16/97
Date Sampled: 05/16/97
Date Received: 05/16/97
Date Extracted: 05/19/97
Date Analyzed: 05/20/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @6'	6934	ND	32.7

ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	93%	50 - 150%

Reference: EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments: 1

X-dcn
Analyst

Q. Williams
Review

QUALITY CONTROL REPORT
TOTAL VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Method Blank Analysis

Project ID: NA
Sample Matrix: Soil
Preservative: NA
Condition: NA

Report Date: 07/03/97
Date Sampled: NA
Date Received: NA
Date Extracted: 05/19/97
Date Analyzed: 05/20/97

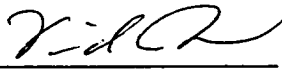
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35569	ND	22.5

ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	90%	50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
State of Tennessee, Department of Environment and Conservation, Division
of Underground Storage Tanks.

Comments:



Analyst



Review

QUALITY CONTROL REPORT
TOTAL VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Matrix Spike Analysis

Project ID: NA
Sample Matrix: Soil
Preservative: NA
Condition: NA

Report Date: 07/03/97
Date Sampled: NA
Date Received: NA
Date Extracted: 05/19/97
Date Analyzed: 05/20/97


Lab ID	Spike Added (mg/kg)	Original Conc (mg/kg)	Spike Conc (mg/kg)	Percent Recovery
MBSPK35570	3,920	ND	2,860	73%

ND- Analyte not detected at the stated detection limit.


Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	101%	50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
State of Tennessee, Department of Environment and Conservation,
Division of Underground Storage Tanks.

Comments:



Analyst



Review

QUALITY CONTROL REPORT
TOTAL VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Duplicate Analysis

Project ID: NA
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 07/03/97
Date Sampled: 05/16/97
Date Received: 05/19/97
Date Extracted: 05/19/97
Date Analyzed: 05/20/97

Lab ID	Sample Conc. (mg/kg)	Duplicate Conc. (mg/kg)	Percent Difference
6937dup	ND	ND	NA

ND- Analyte not detected at the stated detection limit.

Quality Control	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	83%	50 - 150%

Reference: Method for the Determination of Gasoline Range Organics,
State of Tennessee, Department of Environment and Conservation, Division
of Underground Storage Tanks.

Comments:



Analyst



Review

QUALITY CONTROL REPORT
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
Diesel Range Organics

Method Blank Analysis

Project ID: NA
Sample Matrix: Soil
Preservative: NA
Condition: NA

Report Date: 06/16/97
Date Sampled: NA
Date Received: NA
Date Extracted: 05/19/97
Date Analyzed: 05/20/97


Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35569	ND	20.0

ND- Analyte not detected at the stated detection limit.

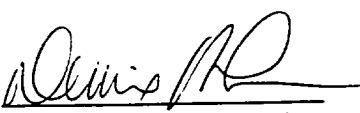
Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	101%	50 - 150%

Reference: EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:



Analyst



Review

QUALITY CONTROL REPORT
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
Diesel Range Organics

Matrix Spike Analysis

Project ID: NA
Sample Matrix: Soil
Preservative: NA
Condition: NA

Report Date: 06/16/97
Date Sampled: NA
Date Received: NA
Date Extracted: 05/19/97
Date Analyzed: 05/20/97

Lab ID	Spike Added (mg/kg)	Original Conc. (mg/kg)	Spike Conc. (mg/kg)	Percent Recovery
MBSPK35570	2,300	ND	2,330	101%

ND- Analyte not detected at the stated detection limit.

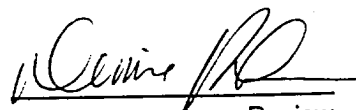
Reference:

EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:



Analyst



Review

QUALITY CONTROL REPORT
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
Diesel Range Organics

Duplicate Analysis

Project ID: NEBU #17A Sep./Dehy. Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 06/16/97
Date Sampled: 05/19/97
Date Received: 05/20/97
Date Extracted: 05/20/97
Date Analyzed: 05/20/97

Lab ID	Sample Conc. (mg/kg)	Duplicate Conc. (mg/kg)	Percent Difference
6938DUP	5,920	5,070	16%

ND- Analyte not detected at the stated detection limit.

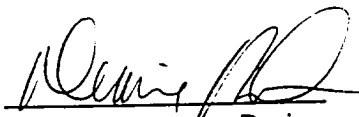
Quality Control	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	101%	50 - 150%

Reference: EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas Chromatography." Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:



Analyst



Review

