

District I
P.O. Box 1000, Hobbs, NM

District II
DEPUTY OIL & GAS INSPECTOR
P.O. Box 1000, Artesia, NM 88211

District III
JUN 23 1998
1000 Rio Brazos NE, Aztec, NM 87410

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, Suite 211, Farmington, NM 87401

Facility Or: N. E. Blanco Unit # 45A

Well Name

Location: Unit or Qtr/Qtr Sec I Sec 5 T 30N R 7W County San Juan

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 12 ft, width 12 ft, depth 0 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 87 ft

Direction from reference: 0 Degrees _____ East North _____
of _____ West South X

Depth to Ground Water: 57 ft
(vertical distance from
contaminants to seasonal
highwater elevation of
ground water)

_____	Less than 50 feet	(20 points)	
<u>X</u>	50 ft to 99 feet	(10 points)	
_____	Greater than 100 feet	(0 points)	<u>10</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)	
<u>X</u>	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)	
<u>X</u>	200 feet to 1000 feet	(10 points)	
_____	Greater than 1000 feet	(0 points)	<u>10</u>

P:\pits\Prcc@WK3

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: N/A Date Completed: _____

Excavation _____ Approx. cubic yards _____

Landfarmed _____ Insitu Bioremediation _____

Other _____

Remediation Method: Onsite _____ Offsite _____

(Check all appropriate sections)

General Description of Remedial Action : Initial assessment showed soils to be clean 1.5' below pit bottom where bedrock was encountered.

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 Beside fiberglass pit in direction of surface gradient (See attached diagram).

Sample depth Bedrock at 1.5 feet

Sample date 5/28/97 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 0.0

TPH ND

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 James K. Abbey and TITLE Operations Engineer

FIELD PIT SITE ASSESSMENT FORM

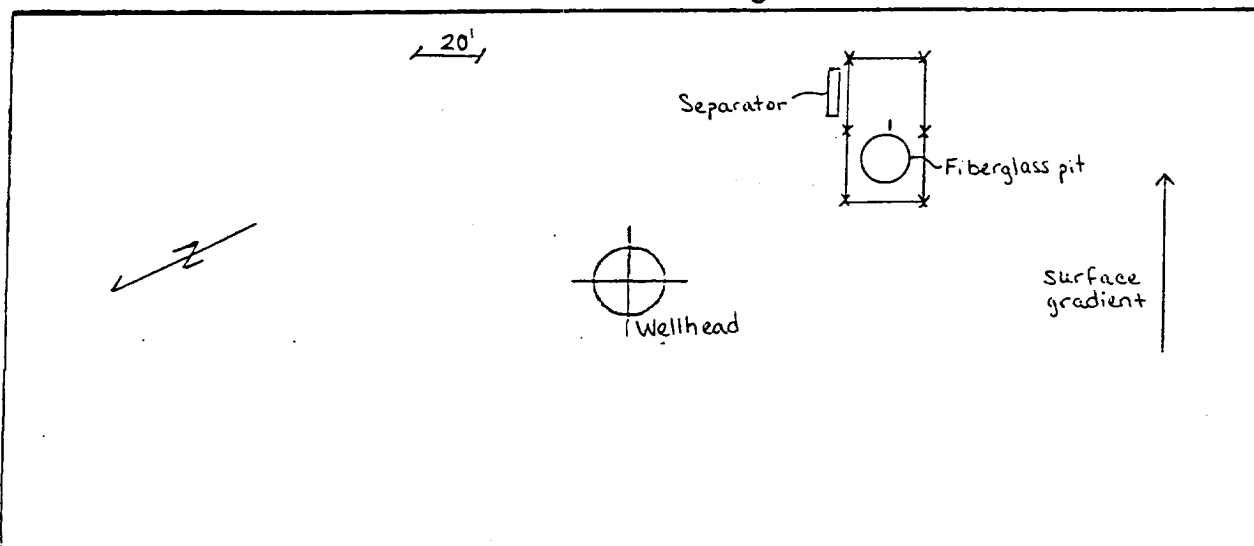
GENERAL	Meter: _____ Location: <u>N. E. Blanco Unit # 45A</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>1</u> Section <u>5</u> Township: <u>30N</u> Range: <u>7W</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: <u>Sep.</u> Site Assessment Date: <u>5-28-97</u> Area: <u>Middle</u> Run: _____	
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps)	Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)
	Depth to Groundwater Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)	
	Wellhead Protection Area : Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)	
	Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3) Name of Surface Water Body <u>Navajo Lake</u> (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'	
REMARKS	TOTAL HAZARD RANKING SCORE: <u>20</u> POINTS	
	Remarks : <u>Strapping gauge showed depth to groundwater to be 57'.</u>	

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 180 Footage from Wellhead 87'b) Length : _____ Width : _____ Depth : 0'

12' Diameter Fiberglass Pit



REMARKS

Remarks :

Soil Characteristics : 0' - 1.5' Soil is sandy, yellow-beige, dry, no odor
1.5' BEDROCKSample was taken beside fiberglass pit in the direction of the surface gradient
at a depth of 1.5' deep. The OVM gave a reading of 0.0 ppm. The sample
was sent to Anaitas, Inc. for DRO/GRO 8015 analysis.

Completed By:

Monica D. Rodahl

Signature

5-28-97

Date

Client : Devon Energy

Date Started : 28 May 1997 Date Completed : 28 May 1997

<p>Location : NEBU # 45A</p>		<p>Overview of Location and Sampling :</p>																																						
<p>Quad : 1</p>	<p>Section : 5</p>	<p>Initial Size : 12' Diam. Fiberglass pit</p> <p>Final Size : 12' Diam. Fiberglass pit</p> <p>Yds. Excavated : 0cy</p> <p>Depth to Groundwater: 57"</p> <p>Nearest Water Source: >1000'</p> <p>Nearest Surface Water: 267'</p> <p>NMOCD Ranking Score: 20</p> <p>TPH Closure Standard: 100 ppm</p> <p>Comments : 0' - 1.5' Soil is sandy, yellow-beige, dry, no odor 1.5' BEDROCK</p> <p>Sent sample #1 to Analtas for DRO/GRO 8015.</p>																																						
<p>Range : 7W</p>	<p>Township: 30N</p>																																							
<p>Pit : Sep.</p>																																								
<p>Reference : 87° N. 180° from wellhead</p>																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample #</th> <th>Location</th> <th>OVM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bottom @ 1.5'</td> <td>0</td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> </tr> <tr> <td>12</td> <td></td> <td></td> </tr> </tbody> </table>				Sample #	Location	OVM	1	Bottom @ 1.5'	0	2			3			4			5			6			7			8			9			10			11			12
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1	Bottom @ 1.5'	0																																						
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<p>Pit Profile : North to South :</p>		<p>Pit Profile : East to West :</p>																																						



TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
Diesel Range Organics

Devon Energy

Project ID: NEBU #45A Separator Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 06/12/97
Date Sampled: 05/28/97
Date Received: 05/28/97
Date Extracted: 06/02/97
Date Analyzed: 06/09/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
BTM @ 1.5'	6964	ND	32.3

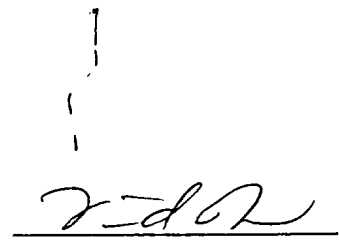
ND- Analyte not detected at the stated detection limit.

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

Duplicate Analysis

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

Report Date: 06/12/97
Date Sampled: 05/28/97
Date Received: 05/28/97
Date Extracted: 06/02/97
Date Analyzed: 06/09/97

Lab ID	Sample Conc. (mg/kg)	Duplicate Conc. (mg/kg)	Percent Difference
6964DUP	ND	ND	NA

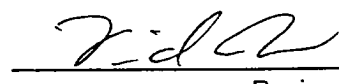
ND- Analyte not detected at the stated detection limit.

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



TOTAL VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Devon Energy

Project ID: NEBU #45A Separator Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 06/12/97
Date Sampled: 05/28/97
Date Received: 05/28/97
Date Extracted: 06/02/97
Date Analyzed: 06/09/97


Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
BTM @ 1.5'	6964	ND	34.0

ND- Analyte not detected at the stated detection limit.

Quality Control: Surrogate % Recovery Acceptance Limits
 Trifluorotoluene 85% 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

Method Blank Analysis

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

Report Date: 06/10/97
Date Sampled: NA
Date Received: NA
Date Extracted: 06/02/97
Date Analyzed: 06/09/97


Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35583	ND	22.5

ND- Analyte not detected at the stated detection limit.

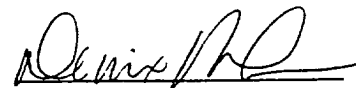
Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	93%	50 - 150%

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: 06/10/97
Date Sampled: NA
Date Received: NA
Date Extracted: 06/02/97
Date Analyzed: 06/09/97


Lab ID	Spike Added (mg/kg)	Original Conc. (mg/kg)	Spike Conc. (mg/kg)	Percent Recovery
MBSPK35590	4,220	ND	3,010	71%

ND- Analyte not detected at the stated detection limit.

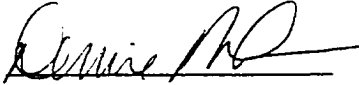
Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	108%	50 - 150%

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: 06/12/97
Date Sampled: NA
Date Received: NA
Date Extracted: 06/02/97
Date Analyzed: 06/09/97


Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35583	ND	20.0

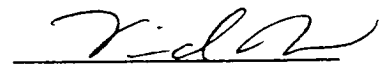
ND- Analyte not detected at the stated detection limit.

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: Cool
Condition: Intact

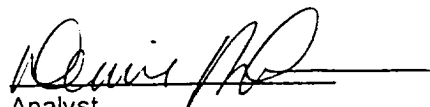
Report Date: 06/12/97
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Date Analyzed: 06/09/97

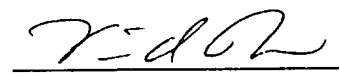
Lab ID	Spike Added (mg/kg)	Original Conc (mg/kg)	Spike Conc (mg/kg)	Percent Recovery
6959Spike	2,500	ND	2,500	100%

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:


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