

District I
District II
District III
DEPUTY OIL & GAS INSPECTOR
1000 Rio Brazos Rd, 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 Avenue, Suite 211, Farmington, NM 87401

Facility Or: N. E. Blanco Unit # 11-25
Well Name

Location: Unit or Qtr/Qtr Sec H Sec 25 T 31N R 7W County Rio Arriba

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 10 ft width 10 ft depth 2.5 ft

(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 100 ft

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

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

_____	Less than 50 feet	(20 points)	
_____	50 ft to 99 feet	(10 points)	
<u>X</u>	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)	
<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\PrC@.WK3

RANKING SCORE (TOTAL POINTS): 10

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 3' below pit bottom.

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 3' below pit bottom

Sample date 5/13/97 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 Jim R. Abbey and TITLE Operations Engineer

FIELD PIT SITE ASSESSMENT FORM

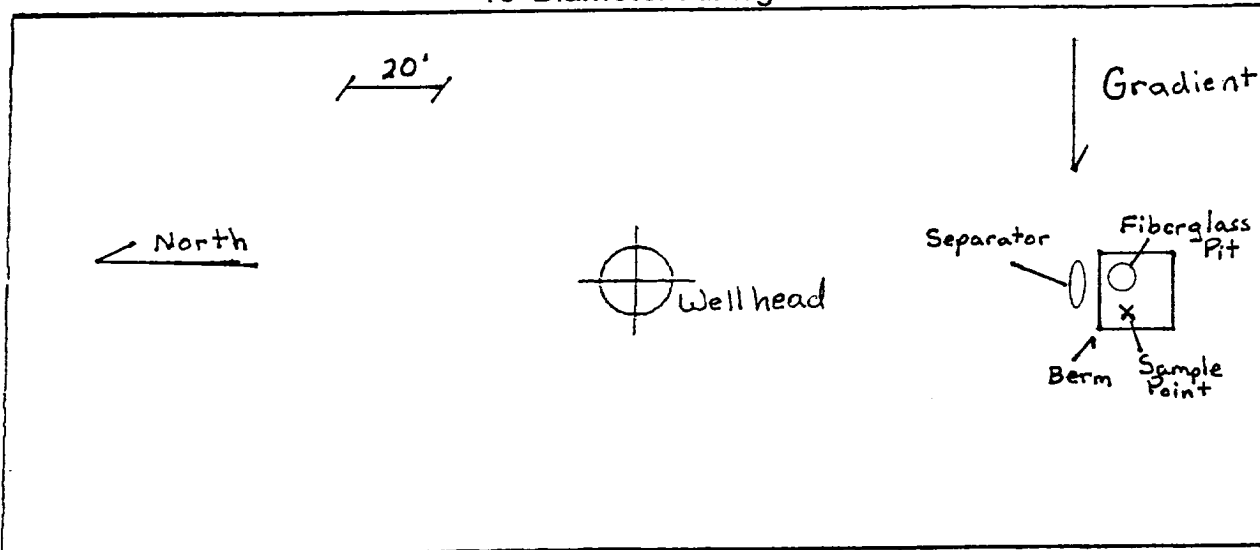
GENERAL	Meter: _____ Location: <u>N. E. Blanco Unit # 11-25</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>H</u> Section <u>25</u> Township: <u>31N</u> Range: <u>7W</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: <u>Sep.</u> Site Assessment Date: <u>5-13-97</u> Area: _____ Run: _____		
SITE ASSESSMENT	NMOCD Zone: _____ Land Type: BLM <input checked="" type="checkbox"/> (1) (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Outside <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ Depth to Groundwater Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input checked="" 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' TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS		
REMARKS	Remarks : _____ _____ _____		

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 180 Footage from Wellhead 100'b) Length : _____ Width : _____ Depth : 2.5'

10' Diameter Fiberglass Pit



REMARKS

Remarks :

The fiberglass pit is 4' deep. There were no fluids in the fiberglass pit.Soil is moist, red-brown, clayey loam0' - 5' - No hydrocarbon odor or stainingA sample was taken @ 5.5' deep : OVM = 0.0 ppmThe bermed area is 15' x 15' x 6" deep

Completed By:


Signature5-13-97

Date

TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Devon Energy Corporation

Project ID: NEBU #11
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 07/07/97
Date Sampled: 05/13/97
Date Received: 05/14/97
Date Extracted: 05/19/97
Date Analyzed: 05/20/97

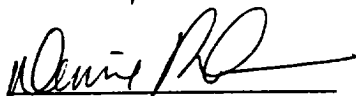
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @ 5.5'	6899	ND	34.2

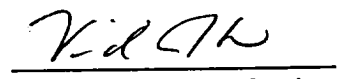
ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	99%	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 11
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 07/07/97
Date Sampled: 05/13/97
Date Received: 05/14/97
Date Extracted: 05/19/97
Date Analyzed: 05/19/97

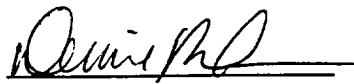
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @ 5.5'	6899	ND	29.4

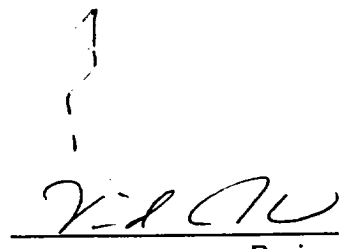
ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	92%	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 VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Method Blank Analysis

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

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

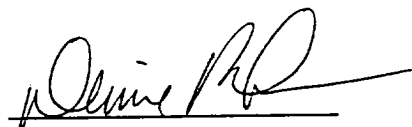
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35569	ND	22.5

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

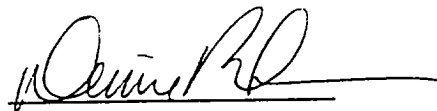
Lab ID	Spike Added (mg/kg)	Original Conc (mg/kg)	Spike Conc (mg/kg)	Percent Recovery
MBSPK35570	3,920	ND	2,860	73%

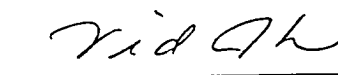
ND- Analyte not detected at the stated detection limit.

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


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

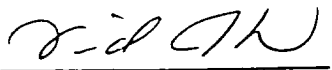
ND- Analyte not detected at the stated detection limit.

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


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

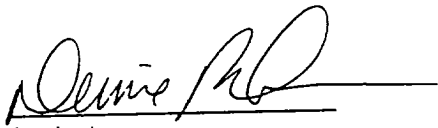
Report Date: 07/07/97
Date Sampled: NA
Date Received: NA
Date Extracted: 05/19/97
Date Analyzed: 05/19/97

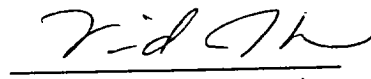
Lab ID	Spike Added (mg/kg)	Original Conc (mg/kg)	Spike Conc (mg/kg)	Percent Recovery
MBSPK35569	2,300	ND	1,810	79%

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 #242
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 07/02/97
Date Sampled: 05/14/97
Date Received: 05/14/97
Date Extracted: 05/19/97
Date Analyzed: 05/19/97

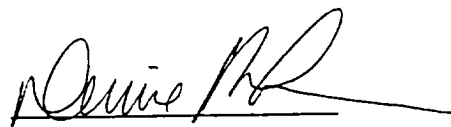
Lab ID	Sample Conc. (mg/kg)	Duplicate Conc. (mg/kg)	Percent Difference
6908DUP	392	392	0%

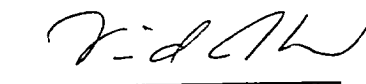
ND- Analyte not detected at the stated detection limit.

Quality Control	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	94%	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