P.O. DEPUTY OIL & GAS INSPECTOR

State of New Mexico Energy, Minerals and Natural Resources Department SUBMIT I COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

District III 1000 Rio Brazos Rd. 144 N. 28 310 998

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

REMEDIATION AND CLOSURE REPORT

The contract of from the minimum of the contract of the contra	
Operator: Devon Energy Corporation Telephone: (505) 324-0033	
Address: 3300 North Butler Avenue, Suite 211, Farmington, NM 87401	
Facility Or: N. E. Blanco Unit # 65 Well Name	
Location: Unit or Qtr/Qtr Sec B Sec 11 T_31N R_7W County San Juan	
Pit Type: Separator X Dehydrator Other	-
Land Type: BLM, StateX, Fee, Other	-
Pit Location: Pit dimensions: Length 10 ft, width 18 ft, depth 1 ft (Attach diagram) Reference: wellhead X other	
Footage from reference: 42 ft	
Direction from reference: $\underline{65}$ Degrees \underline{X} East North \underline{X} of $\underline{\hspace{1cm}}$ West South	
Depth to Ground Water: 66 ft Less than 50 feet (20 points) (vertical distance from X 50 ft to 99 feet (10 points)	
(vertical distance from X 50 ft to 99 feet (10 points) contaminants to seasonal highwater elevation of ground water) Greater than 100 feet (0 points)	10
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) X No (0 points)	0
Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.) Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) (Visited to perennial to points)	0_
P:\wits\PrrC\&\WK3 RANKING SCORE (TOTAL POINTS):	10

Date Remediation Sta	rted: N/A	Da	ate Completed:
	Excavation		Approx. cubic yards
	Landfarmed		Insitu Bioremediation
	Other		
Remediation Method:	Onsite	Off	fsite
(Check all appropriate	2		
sections)			
=	f Remedial Action:		owed soils to be clean 3' below pit
Ground Water Encour	ntered: No	<u>X</u>	es Depth
ual Pit: ure Sampling: uutiple samples,		er of pit	
h sample results	Sample depth3' be	elow pit bottom	
tions and depths)	Sample date 5/29	9/97	Sample time
	Sample Results		
	Benzene(ppm)		
	Total BTEX (P	PM)	_
	Field Headspac	e (ppm) 32.9	<u>.</u>
	TPH	ND	٨
Ground Water Sample:	Yes N	o <u>X</u> (if	yes, attach sample results)
EREBY CERTIFY THAT MY KNOWLEDGE A		ABOVE IS TRUE AND C	COMPLETED TO THE BEST
NTE <u>2-27-</u>		PRINTED NAME	Jim Abbey
GNATURE Jams	K au	and TITLE	Operations Engineer
-/1			

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: Location: N. E. Blanco Unit # 65 Operator #: Operator Name: P/L District: Coordinates: Letter: Section 11 Township: 31N Range: 7W Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Sep. Site Assessment Date: 5-29-97
ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Cutside Depth to Groundwater Less Than 50 Feet (20 points) Feet (20 points) Greater Than 100 Ft (0 points) 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? Horizontal Distance to Surface Water Body
SITE AS	Less Than 200 Ft (20 points) (1) 200 Ft to 1000 Ft (10 points) (2) Greater Than 1000 Ft (0 points) (3) Name of Surface Water Body (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream (1) < 100'(Navaja Pits Oniy) (2) > 100' TOTAL HAZARD RANKING SCORE: 10 POINTS
REMARKS	Remarks :
2	and the second s

	-
Z	ORIGINAL PIT LOCATION Original Pit: a) Degrees from North 65 Footage from Wellhead 42' b) Length: 10' Width: 18' Depth: 1'
AL PIT LOCATION	Separator
ORIGINAL	Wellhead
	Remarks :
	Soil is reddish-brown clay, moist, cohesive, no noticeable odor. Sample taken from center bottom of pit @ 4' deep gave an OVM reading of
	32.9 ppm. The sample was sent to Anaitas, Inc. for DRO/GRO 8015 analysis.
RKS	
REMA	
	Canadahari Fuu
	Completed Ey:
	MM(Ca Y). 160dahl 5-29-97
l	Signature Date

Date Started: 29 May 1997 Date Completed: 29 May 1997.

		Overview of Location and Sampling:
Location: NEBU # 65		10.
Quad: B Section:	11	~~
Range: 7W Township:	31N	_
L., J 3-	Sample # Location OVM 1 Btm. @ 4' 32.9	المعمورية المعارض المع
Initial Size: 10' x 18' x 1' deep Final Size: 10' x 18' x 1' deep	3	-
Yds. Excavated: 0 cy	5	Separator→
i	7	Carrier 3
Nearest Water Source: >1000' Nearest Surface Water: >1000'	& &	Wellhead
' . '	10	
Terrando Canada Con Port	12	
Comments: Reddish-brown clay, moist, cohesive, no noticeable odor	bist, cohesive, no noticeable	
Sent Sample #1 to Anaitas for DRO/GRO	GRO 8015.	
Pit Profile : North to South :	10,	Pit Profile : East to West :
North	South	East West

Environmental Specialist: MDR_

Page 1 of 1.



TOTAL RECOVERABLE PETROLEUM HYDROCARBONS **Diesel Range Organics**

Devon Energy Corporation

Project ID:

NEBU #65 - Separator Pit

06/13/97

Sample Matrix: Soil

Report Date: Date Sampled:

05/29/97

Preservative:

Cool

Date Received:

05/29/97 06/05/97

Condition:

Intact

Date Extracted:

Date Analyzed:

06/10/97

Samolald	, ১৯ ব	Concentration:	Dejerion(Linit
Btm @ 4'	7015	ND	33.1

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

o - Terphenyl

% Recovery

Acceptance Limits

87%

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:



TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Devon Energy Corporation

Project ID:

NEBU #65

Sample Matrix: Soil Preservative:

Cool

Condition:

Intact

Report Date:

06/16/97

Date Sampled:

05/29/97

Date Received:

05/29/97

Date Extracted:

06/05/97

Date Analyzed:

06/12/97

Sample ID	1 <u>8</u> 210 (D).	ં (મિકારિક) - (મિકારિક)	Deserve Link
Btm @ 4'	7015	ND	33.9

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

Trifluorotoluene

% Recovery 99%

Acceptance Limits

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:

QUALITY CONTROL REPORT TOTAL RECOVERABLE PETROLEUM HYDROCARBONS **Diesel Range Organics**

Method Blank Analysis

Project ID:

ta e septima to a co

NA

Report Date:

06/13/97

Sample Matrix: Soil

Date Sampled:

NA

Preservative:

Condition:

NA NA Date Received:

NA

Date Extracted:

06/05/97

Date Analyzed:

06/10/97

Sample D	(Lapile	Concentration	Detection/Finite
Method Blank	MB35586	ND	20.0

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

o - Terphenyl

% Recovery 92%

Acceptance Limits

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:

ruine M

QUALITY CONTROL REPORT TOTAL RECOVERABLE PETROLEUM HYDROCARBONS **Diesel Range Organics**

Matrix Spike Analysis

Project ID:

NA

Report Date:

06/13/97

Sample Matrix:

Soil

Date Sampled:

NA NA

Preservative:

NA

Date Received: Date Extracted:

06/05/97

Condition: NA

Date Analyzed:

06/10/97

- Lab(D)	Spike-Access (ngikg)	(mg/kg):	ક્ષાંજ ઉગાંહ. (માર્ગ છ) -	Parant Recovary
MBSPK35591	2,260	ND	2,050	91%

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:

Manuel M.D. Analyst

QUALITY CONTROL REPORT TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Method Blank Analysis

NA Project ID: Sample Matrix: Soil

NA

NA

Preservative: Condition:

Report Date:

06/12/97

Date Sampled:

NA

Date Received: Date Extracted:

NA 06/05/97

Date Analyzed:

06/12/97

::Sampeile	(21 5)(0)	ઉગાન્સમાસોના - (૧૧૯/૧૭)	almil noisaled (elign))
Method Blank	MB35586	ND	22.5

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

Trifluorotoluene

% Recovery 103%

Acceptance Limits

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:

QUALITY CONTROL REPORT TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Matrix Spike Analysis

Project ID:

NA

Report Date:

06/12/97

Sample Matrix:

Soil

Date Sampled:

NA

Preservative:

NA

Date Received:

NA

Condition:

NA

Date Extracted:
Date Analyzed

06/05/97 06/12/97

	Spike/Added	ાલાં(છો)	SolkeCone	renegai
	(mg/kg)	(લાં(છો)	(no/kg)	Reenvery
MBSPK35593	2,100	ND	1,760	84%

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

Percent Recovery

Acceptance Limits

Trifluorotoluene

111%

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

Vida

2224

Please Fill Out Thoroughly. White/Yellow: Anaitas Shaded areas for lab use only. Pink: Client Page. Ofher (specify): METALS RCRA Metals TCLP (1311) RCRA Metals (Total) Priority Pollutants Relinquished By: Received By; Other (specify); WATER ANALYSES Oil and Greasa Nutrients: NH4+ / NO2- / NO3- / TKN Solids: TDS / TSS / SS Manica D. Modald 5.29-87/Monina M. Modald 5.29-92 CHAIN OF CUSTODY BOD / Fecal / Total Coliform Specific Anions (specify): Specific Cations (specify): Cation / Anion Relinquished By: Received By: Other (specify): TCLP Extraction Company: Polynuclear Aromatic Hydrocarbons (8100) OFIGANIC ANALYSES Base / Neutral / Acid GC/MS (625 / 8270) 71.42 Volatiles GC/MS (624 / 8240 / 8260) TIme: Date: Herbicides (615 / 8150) Chlorinated Pesticides / PCBs (608 / 8080) SDWA Volatiles (502.1 / 503.1) Chlorinated Hydrocarbons (8010) MAYION Aromatic HCs BTEX/MTBE (602 / 8020) Required Turnaround Time (Prior Authorization Required for Rush) Received By: Sampled By: (ORD) enilossD Gasoline / Diesel (mod. 8015) Company: Petroleum Hydrocarbons (418.1) Custody Seals: Y / N / NA Hecelved Intact: LabID Dewon Frange LOUN FREYOU Sample Receipt 807 S. CARLTON • FARMINGTON, NM 87401 • (505) 326-2395 Matrix Ĝ No. Containers: Received Cold: Time 5-79-97 PROJECT MANAGER: Proj. Name: NERU #65 Date Project Information 70 08 Anaitas Lab I.D.: Sample ID Company: Address: Shipped Via: BAMa Company: Address: Phone: Fax: P. O. No: Bill To: Proj. #: