District III JUN 2 3 1998

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OIL CONSERVATION DIVISION

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

1000 Rio Brazos Rd, Aztec, NM 87410

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

n paravel	PIT REMEDIATION AND CLOSURE REPORT
	A STATE SALE A DESCRIPTION OF THE CONTRACT OF

O	Energy Corneration	Telephone: (505) 324-0033			
Operator: Devon Energy Corporation Telephone: (505) 324-0033					
Address: 3300 N	orth Butler Avenue, Suite	211, Farmington, NM 87401			
Facility Or: N. E. Well Name	Blanco Unit # 37A				
Location: Unit or Qu	t/Qtr Sec P Sec 6	T_30N R_7W County San Juan			
Pit Type: Separator_	X Dehydrator_	Other Production Tank			
Land Type: BLM	, State	, Fee X , Other			
Pit Location: (Attach diagram)	Pit dimensions: Length Reference: wellhead	8 ft , width 8 ft , depth 1 ft			
	Footage from reference:	75 ft			
	Direction from reference:	20 Degrees X East North of West South X			
Depth to Ground Wa (vertical distance from contaminants to sease highwater elevation of	m onal	Less than 50 feet (20 points) 50 ft to 99 feet (10 points) X Greater than 100 feet (0 points)	0_		
ground water) Wellhead Protection (less than 200 feet fro		Yes (20 points)			
domestic water source 1000 feet from all of	,	X No (0 points)	0		
Distance to Surface \		Less than 200 feet (20 points)			
(Horizontal distance		X 200 feet to 1000 feet (10 points)	10		
lakes, ponds, rivers, s irrigation canals and		Greater than 1000 feet (0 points)	1 <u>U</u>		
P:\pits\PrrC@.WK3		RANKING SCORE (TOTAL POINTS):	10		

Date Remediation Sta	rted: N/A	Date Completed:	
	Excavation		Approx. cubic yards
	Landfarmed	Mad Avenue	Insitu Bioremediation
	Other		
Remediation Method:	Onsite	Offsite	
(Check all appropriate	e		
sections)			
	of Remedial Action: <u>In</u>		wed soils to be clean 3' below pit
Ground Water Encour	ntered: No	<u>X</u> Y	es Depth

nal Pit: osure Sampling: multiple samples, ach sample results	Sample locationCer	nter of pit	
d diagram of sample rations and depths)	Sample depth 3' below	w pit bottom	
and supplies)	Sample date	97	Sample time
	Sample Results		
	Benzene(ppm)	ND	
	Total BTEX (PP		
	·		
	Field Headspace	(11-1)	
	ТРН	66.3 ppm	
Ground Water Sample:	Yes No	(if y	res, attach sample results)
HEREBY CERTIFY TH F MY KNOWLEDGE A		BOVE IS TRUE AND C	OMPLETED TO THE BEST
ATE <u>2-27-9</u>	8	_ PRINTED NAME	Jim Abbey
IGNATURE Jame	R au	and TITLE	Operations Engineer

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: Location: N. E. Blanco Unit # 37A Operator #: Operator Name: P/L District: Coordinates: Letter: _P Section 6 Township: 30N Range: 7W Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Sep./Proc Site Assessment Date: 5-28-97
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; ls it less than 200 ft from a private domestic water source? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) Wellhead Protection Area: Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; ls it less than 200 ft from a private domestic water source? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) Horizontal Distance to Surface Water Body Less Than 200 Ft (10 points) Greater Than 1000 Ft (0 points) Mayajo Lake (Surface Water Body: Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only) (2) > 100' TOTAL HAZARD RANKING SCORE: 10
REMARKS	Remarks :
2	

NC	ORIGINAL PIT LOCATION Original Pit : a) Degrees from North <u>160</u> Footage from Wellhead <u>75'</u> b) Length : <u>8'</u> Width : <u>8'</u> Depth : <u>1'</u>
ORIGINAL PIT 1.0CATION	Wellhead Separator Production Tank
REMARKS	Remarks: Soil is brown-gray, moist clay, slight odor. Sample from center bottom of pit @ 4' deep gave an OVM reading of 330ppm. Sample was sent to Anaitas, Inc. for DRO/GRO 8015 and BTEX 8020 analysis.
	Completed By: Monica D. Rodahl 5-28-97 Signature Date
1	

	Overview of Location and Sampling: 20'
Location: NEBU # 37A	2
Quad: P Section: 6	
Range: 7W Township: 30N	Wellhead
Pit: Sep. / Prod. Tank Sample # Location OVM Reference: 75' N. 160* 1 Btm. @ 4' 330	
d 2	
Initial Size: 8'x 8'x 1' deep 3	
- x	
Yds. Excavated : 0 cy 5	Production Tank
Depth to Groundwater: 246' 7	*
^	(t
Nearest Surface Water: >200' 9	Senaraluc
•	*
TPH Closure Standard: 1000 ppm 11)
Comments: Brown-gray, moist clay, slight odor	*
the A108 OGG/OGG rot source for S and the Manufacture for SOG OGG OGG OF THE A11 A MANUFACTURE AND	
BTEX 8020.	
Pil Profile: North to South:	Pit Profile : East to West :
North	East West

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

Client: Devon Energy

Environmental Specialist: MDR



Organic Analysis - Pit Closure

Devon Energy Corporation

Project ID:

NEBU #37A - Sep/Prod Pit

Sample ID:

Btm @ 4'

Lab ID: Sample Matrix: 6963 Soil Report Date:

Date Sampled:

07/03/97

Date Received:

05/28/97 05/28/97

Preservative:

Cool

Condition:

Intact

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	4.7 vc. 2.83	
Benzene	ND	0.32
Toluene	1.61	0.32
Ethylbenzene	ND	0.32
m,p-Xylenes	2.63	0.64
o-Xylene	0.46	0.32
Total Volatile Petroleum Hydrocarbons	66.3	29.0
Total Recoverable Petroleum Hydrocarbons	ND	27.1

Quality Control:	<u>Surrogate</u>	Percent Recovery	Acceptance Limits
•	Trifluorotoluene	103	81 - 117%
	Trifluorotoluene	90	50 - 150 %
	o-Terphenyl	91	50 - 150%

Reference:

Method 5030, Purge and Trap; Method 8020, Aromatic Recoverable Organics;

Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

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:

rida

Review



TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Devon Energy

Project ID:

NEBU #37A Sep./Prod. Pit

Report Date:

06/12/97

Sample Matrix: Soil

Date Sampled: Date Received: 05/28/97

Preservative: Condition:

Cool

Date Extracted:

05/28/97 06/02/97

Intact

Date Analyzed:

06/09/97

g Sample≀ID	END	Concentration.	ipaleellomElmit (iooko)
BTM @ 4'	6963	66.3	29.0

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate Trifluorotoluene % Recovery 90%

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:



TOTAL RECOVERABLE PETROLEUM HYDROCARBONS **Diesel Range Organics**

Devon Energy

Project ID:

NEBU #37A Sep/Prod Pit

Report Date:

06/12/97

Sample Matrix: Soil

Date Sampled:

05/28/97

Preservative:

Cool

Date Received:

05/28/97

Condition:

Intact

Date Extracted: Date Analyzed:

06/02/97 06/10/97

Sample:(D)	(현업년):	Concentation	iDacelor Fluic
BTM @ 4'	6963	ND	27.1

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate o - Terphenyl % Recovery 91%

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:

QUALITY CONTROL REPORT TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Method Blank Analysis

Project ID:

Condition:

NA

Sample Matrix: Soil Preservative:

NA

NA

Report Date:

06/10/97

Date Sampled:

NA

Date Received:

NA

Date Extracted: Date Analyzed: 06/02/97 06/09/97

Semilerio	r Labild	Concentration ~ (fig/(s)	Detection in the second of the
Method Blank	MB35583	ND	22.5

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

Trifluorotoluene

% Recovery 93%

Acceptance Limits

Denix //

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:

Vid A

QUALITY CONTROL REPORT TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Matrix Spike Analysis

Project ID:

NA

Sample Matrix:

NA

Preservative: Condition:

Soil

NA

Report Date:

06/10/97

Date Sampled:

NA

Date Received:

NA

Date Extracted: Date Analyzed

06/02/97 06/09/97

7- 1.450 B	Şijik⊜/Addedi	Quillial*9016-	Soke Core	्रिस्टर्भनम्
	. ((((i))/(0)).	4(ng/kg);	(rojko)	्रिस्टर्भनम्
MBSPK35590	4,220	ND	3,010	71%

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

Percent Recovery

Acceptance Limits

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:

Vida_

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

Method Blank Analysis

Project ID:

Condition:

NA

Sample Matrix: Soil Preservative:

NA

NA

Report Date:

06/12/97

Date Sampled:

NA

Date Received: Date Extracted:

NA 06/02/97

Date Analyzed:

06/10/97

& Sample ID	[#S[9]]D	ા (ગાલા(હોલા) (ગાલ(હેલું)	Peledionumis (ng/kg):
Method Blank	MB35583	ND	20.0

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate o - Terphenyl % Recovery 106%

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:

nie MD

QUALITY CONTROL REPORT TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Diesel Range Organics

Matrix Spike Analysis

Project ID:

Condition:

NA

Sample Matrix: Preservative:

NA

Soil

NA

Report Date:

06/12/97

Date Sampled:

NA NA

Date Received: Date Extracted:

06/02/97

Date Analyzed:

06/10/97

Lab (D	Spike/Added	Orghel Core.	SolkerGore	Pacant
	(mg/kg)	(hg/kg)	(ng/kg):	HREOVAY
MBSPK35591	2,620	ND	2,690	103%

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:

CHAIN OF CUSTODY

WATER ANALYSES METALS

Company: Company: Address: Phone: Fax: PROJECT MANAGER: 807 S. CARLION • FARMINGTON, NM 87401 • (505) 326-2395 Anaitas Lab I.D.: Address: P.O. No: Sep. / Wha. Proj. #: Symbol 41 Required Turnaround Time (Prior Authorization Required for Rush) Shipped Via: Proj. Name: NEBU #37A Sample ID Project Information 5-28-97 Date 90 Time Sample Receipt 8. Matrix HENNET 6963 ا طها Di طها Received By: Sampled By: Signature Petroleum Hydrocarbons (418.1) marani, Gasoline / Diesel (mod. 8015) Gasoline (GRO) Aromatic HCs BTEX/MTBE (602 / 8020) ORGANIC ANALYSES Chlorinated Hydrocarbons (8010) SDWA Volatiles (502.1 / 503.1) Chlorinated Pesticides / PCBs (608 / 8080) Date: i i Herbicides (615 / 8150) Volatiles GC/MS (624 / 8240 / 8260) Base / Neutral / Acid GC/MS (625 / 8270) Signature Relinquished By: Received By: L'imaxron Polynuclear Aromatic Hydrocarbons (8100) **TCLP Extraction** Other (specify):) KodaN 5789 Cation / Anion Specific Cations (specify): Specific Anions (specify): Dale: Time: BOD / Feal / Total Coliform Solids: DS/TSS/SS Relinquished By: Received By: Nutrier : NH4+ / NO2- / NO3- / TKN Oil and rease Other ecify): 'ollutants Priority **RCRA** letals (Total) **RCRA** etals TCLP (1311) Date Other cify): Please Fill Out Thoroughly. 8 White/Yellow: Anaitas Pink: Client Page ______ of __ COMMENTS for lab use only Shaded areas