District I
P.O. Box 1980, Hobbs, NM 88241-1980
District II
P.O. Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410

Energy, Minerals and Natural Resources Department

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

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

Approved
Bruce A. Faust
DEPUTY OIL & GAS INSPECTOR
JUN 25 1998

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 # 22A
Well Name

Location: Unit or Qtr/Qtr Sec O Sec 36 T 31N R 7W County Rio Arriba

Pit Type: Separator X Dehydrator X Other

Land Type: BLM , State X , Fee , Other

Pit Location: (Attach diagram)
Pit dimensions: Length 10 ft , width 10 ft , depth 2.5 ft
Reference: wellhead X other
Footage from reference: 95 ft
Direction from reference: 90 Degrees X East North of West South

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)	
	X Greater than 100 feet	(0 points)	0
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)	
	X 200 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	10
	RANKING SCORE (TOTAL POINTS):		**10**

P:\pits\PrrC@.WK3

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 James K Abbey and TITLE Operations Engineer

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: _____ Location: N. E. Blanco Unit # 22A

Operator #: _____ Operator Name: _____ P/L District: _____

Coordinates: Letter: O Section 36 Township: 31N Range: 7W

Or Latitude _____ Longitude _____

Pit Type: Dehydrator ___ Location Drip: ___ Line Drip: ___ Other: Sep./Dehy.

Site Assessment Date: 5-13-97 Area: ___ Run: ___

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)

Inside ☒ (1)

Outside ☐ (2)

Land Type:

BLM ☐ (1)

State ☒ (2)

Fee ☐ (3)

Indian _____

Depth to Groundwater

Less Than 50 Feet (20 points) ☐ (1)

50 Ft to 99 Ft (10 points) ☐ (2)

Greater Than 100 Ft (0 points) ☒ (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? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body

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 Navajo 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 **POINTS**

REMARKS

Remarks : High elevation above lake (>1000')

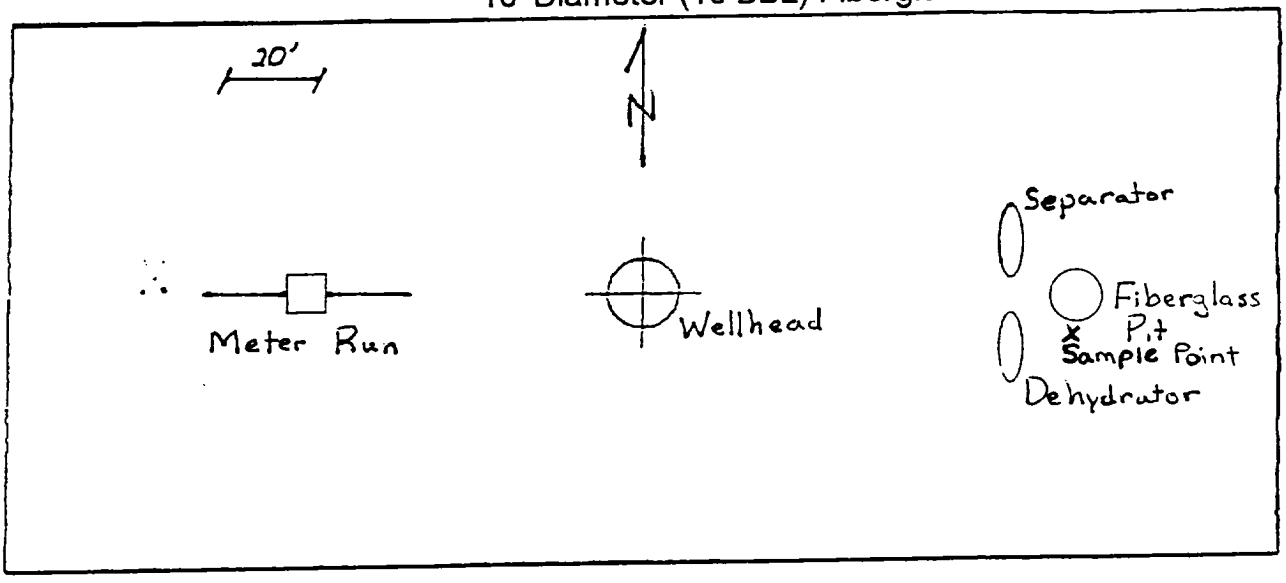
ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 90 Footage from Wellhead 95'

b) Length : _____ Width : _____ Depth : 2.5'

10' Diameter (10 BBL) Fiberglass Pit



REMARKS

Remarks :

Soil is red to brown, moist, clayey loam.

0' - 5' - No hydrocarbon odor or staining

Water inside fiberglass pit

A sample was taken @ 5.5' deep : OVM = 0.0 ppm

Completed By:

Signature

5-13-97

Date

ANAITAS
ENVIRONMENTAL LABS

TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Devon Energy Corporation

Project ID:	NEBU #22A	Report Date:	07/07/97
Sample Matrix:	Soil	Date Sampled:	05/13/97
Preservative:	Cool	Date Received:	05/14/97
Condition:	Intact	Date Extracted:	05/19/97
		Date Analyzed:	05/20/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @ 5.5'	6901	ND	36.8

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate	% Recovery	Acceptance Limits
Trifluorotoluene	100%	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

ANAITAS
ENVIRONMENTAL LABS

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Diesel Range Organics

Devon Energy Corporation

Project ID:	NEBU 22A	Report Date:	07/07/97
Sample Matrix:	Soil	Date Sampled:	05/13/97
Preservative:	Cool	Date Received:	05/14/97
Condition:	Intact	Date Extracted:	05/19/97
		Date Analyzed:	05/19/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @ 5.5'	6901	ND	32.6

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate	% Recovery	Acceptance Limits
o - Terphenyl	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:

Analyst

Review

2100

ANAITAS ENVIRONMENTAL LABS

807 S. CARLTON • FARMINGTON, NM 87401 • (505) 326-2395

CHAIN OF CUSTODY

Page _____ of _____

PROJECT MANAGER:
Analytica Lab I.D.:

Company: Cimarron
Address:
Phone: 326-6947
Fax:
Bill To: Devon
Company:
Address:

Sample ID	Date	Time	Matrix	Lab ID	ORGANIC ANALYSES (G20/D20)	WATER ANALYSES	METALS	COMMENTS
Pit Hum @ 5½'	5/13/97	12:36	Soil		X			

Project Information	Sample Receipt
Proj. #:	No. Containers: 1
Proj. Name: Hebe #22A	Custody Seals: (Y) / N / NA
P. O. No:	Received Intact: Yes
Shipped Via:	Received Cold: Yes

Required Turnaround Time (Prior Authorization Required for Rush)

Sampled By:	Relinquished By:	Relinquished By:
Signature / Date: 5/14/97	Signature / Date: 5/14/97	Signature / Date:
Company: Cimarron / Time: 8:00	Company: Cimarron / Time: 8:00	Company: / Time:
Received By:	**Received By:**	**Received By:**
Signature / Date:	Signature / Date:	Signature / Date: 051497
Company: / Time:	Company: / Time:	Company: / Time: 0800

Please Fill Out Thoroughly.

Shaded areas for lab use only.

White/Yellow: Analytica
Pink: Client

QUALITY CONTROL REPORT
TOTAL VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Method Blank Analysis

Project ID:	NA	Report Date:	07/07/97
Sample Matrix:	Soil	Date Sampled:	NA
Preservative:	NA	Date Received:	NA
Condition:	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:

Surrogate	% Recovery	Acceptance Limits
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	Report Date:	07/07/97
Sample Matrix:	Soil	Date Sampled:	NA
Preservative:	NA	Date Received:	NA
Condition:	NA	Date Extracted:	05/19/97
		Date Analyzed	05/20/97

Lab ID	Spike Added (mg/kg)	Orginal 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:	Surrogate	Percent Recovery	Acceptance Limits
	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 Contro

Surrogate	% Recovery	Acceptance Limits
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	Report Date:	07/07/97
Sample Matrix:	Soil	Date Sampled:	NA
Preservative:	NA	Date Received:	NA
Condition:	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:	Surrogate	% Recovery	Acceptance Limits
	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	Report Date:	07/07/97
Sample Matrix:	Soil	Date Sampled:	NA
Preservative:	NA	Date Received:	NA
Condition:	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 Contro	Surrogate	% Recovery	Acceptance Limits
	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