

District Henry G. Faust  
P.O. Box 1980, Hobbs, NM  
District II DEPUTY OIL & GAS INSPECTOR  
P.O. Drawer 100, Artesia, NM 88211  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410  
JUN 23 1998

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 # 12-18

Well Name

Location: Unit or Qtr/Qtr Sec G Sec 18 T 30N R 7W County San Juan

Pit Type: Separator \_\_\_\_\_ Dehydrator X Other \_\_\_\_\_

Land Type: BLM X State \_\_\_\_\_ Fee \_\_\_\_\_ Other \_\_\_\_\_

Pit Location: Pit dimensions: Length 15 ft, width 14 ft, depth 4 ft  
(Attach diagram)

Reference: wellhead X other \_\_\_\_\_

Footage from reference: 72 ft

Direction from reference: 35 Degrees \_\_\_\_\_ East North X  
of  
\_\_\_\_\_ West South \_\_\_\_\_

Depth to Ground Water:	_____	Less than 50 feet	(20 points)	
(vertical distance from		50 ft to 99 feet	(10 points)	
contaminants to seasonal	<u>X</u>	Greater than 100 feet	(0 points)	<u>0</u>
highwater elevation of				
ground water)				

Wellhead Protection Area:		<u>X</u> Yes	(20 points)	
(less than 200 feet from a private		_____ No	(0 points)	<u>20</u>
domestic water source, or: less than				
1000 feet from all other water sources).				

Distance to Surface Water:		Less than 200 feet	(20 points)	
(Horizontal distance to perennial	<u>X</u>	200 feet to 1000 feet	(10 points)	
lakes, ponds, rivers, streams, creeks,		Greater than 1000 feet	(0 points)	<u>10</u>
irrigation canals and ditches.)				

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 Center of pit

Sample depth 3' below pit bottom

Sample date 5/9/97 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. Allen and TITLE Operations Engineer

Client : Devon Energy

Location : N.E. Blanco Unit # 12-18		Overview of Location and Sampling :			
Quad : G	Section : 18				
Range : 7W					
Township: 30N					
Pit : Dehy.					
Reference : 72° N. 35° W. of wellhead					
Initial Size : 15' x 14' x 4' deep Final Size : 15' x 14' x 4' (backfilled) Yds. Excavated : 0 cy					
Depth to Groundwater: Unsurveyed					
Nearest Water Source: 612'					
Nearest Surface Water: 198'					
NMOCD Ranking Score: 30					
TPH Closure Standard: 100		Pit Profile : East to West :			
Comments : Soil is brown-gray coarse sand, moist, cohesive, no odor.  Sent Sample #1 to Anaitas for GRO/DRO Modified TPH 8015.					
Pit Profile : North to South :					



**TOTAL RECOVERABLE PETROLEUM HYDROCARBONS**  
**Diesel Range Organics**

**Devon Energy**

Project ID: NEBU #12-18  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Intact

Report Date: 06/05/97  
Date Sampled: 05/09/97  
Date Received: 05/09/97  
Date Extracted: 05/09/97  
Date Analyzed: 05/13/97


Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @ 7'	6893	ND	27.0

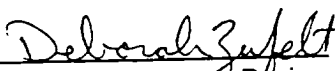
ND- Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	66%	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 12-18  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Intact

Report Date: 06/05/97  
Date Sampled: 05/09/97  
Date Received: 05/09/97  
Date Extracted: 05/09/97  
Date Analyzed: 05/13/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @7'	6893	ND	13.8

ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	84%	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:**

Vicki R  
Analyst

Deborah Zupelt  
Review

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

**Matrix Spike Analysis**

Project ID: NEBU #12-18  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Intact


Report Date: 06/05/97  
Date Sampled: 05/09/97  
Date Received: 05/09/97  
Date Extracted: 05/09/97  
Date Analyzed: 05/13/97

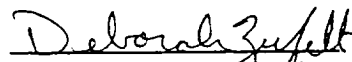
Lab ID	Spike Added (mg/kg)	Original Conc. (mg/kg)	Spike Conc. (mg/kg)	Percent Recovery
6893Spike	3,940	ND	4,250	108%

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**

**Method Blank Analysis**

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

Report Date: 06/05/97  
Date Sampled: NA  
Date Received: NA  
Date Extracted: 05/09/97  
Date Analyzed: 05/13/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35559	ND	20.0

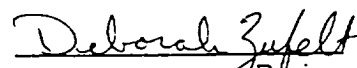
ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	97%	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: 05/23/97  
Date Sampled: NA  
Date Received: NA  
Date Extracted: 05/09/97  
Date Analyzed: 05/13/97

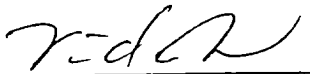
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35559	ND	22.5

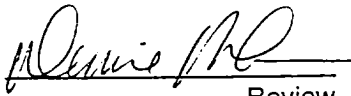
ND- Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	105%	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: 05/23/97  
Date Sampled: NA  
Date Received: NA  
Date Extracted: 05/09/97  
Date Analyzed: 05/13/97


Lab ID	Spike Added (mg/kg)	Original Conc (mg/kg)	Spike Conc (mg/kg)	Percent Recovery
MBSPK35563	2,560	ND	2,280	89%

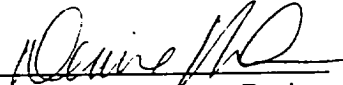
ND- Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	130%	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

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

**PROJECT MANAGER:**

Analytica Lab I.D.:

**Company:**

**Address:**

**Phone:**

**Fax:**

**Bill To:**

**Company:**

**Address:**

[illegible]

## CHAIN OF CUSTODY

[illegible]

**Please Fill Out Thoroughly.**

**Shaded areas  
for lab use only.**

White/Yellow: Analytica  
Pink: Client