

District Denny S. Faust
P.O. Box 1980, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR
P.O. Drawer DD, Artesia, NM 88211
District III JUN 23 1998
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

Approved 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 # 68
Well Name

Location: Unit or Qtr/Qtr Sec A Sec 35 T 31N R 7W County San Juan

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 9 ft width 9 ft depth 1 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 111 ft

Direction from reference: 55 Degrees _____ East North X
of
X West South _____

Depth to Ground Water: 286 ft
(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>

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 5/29/97 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 0.9

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 R. Abbey and TITLE Operations Engineer

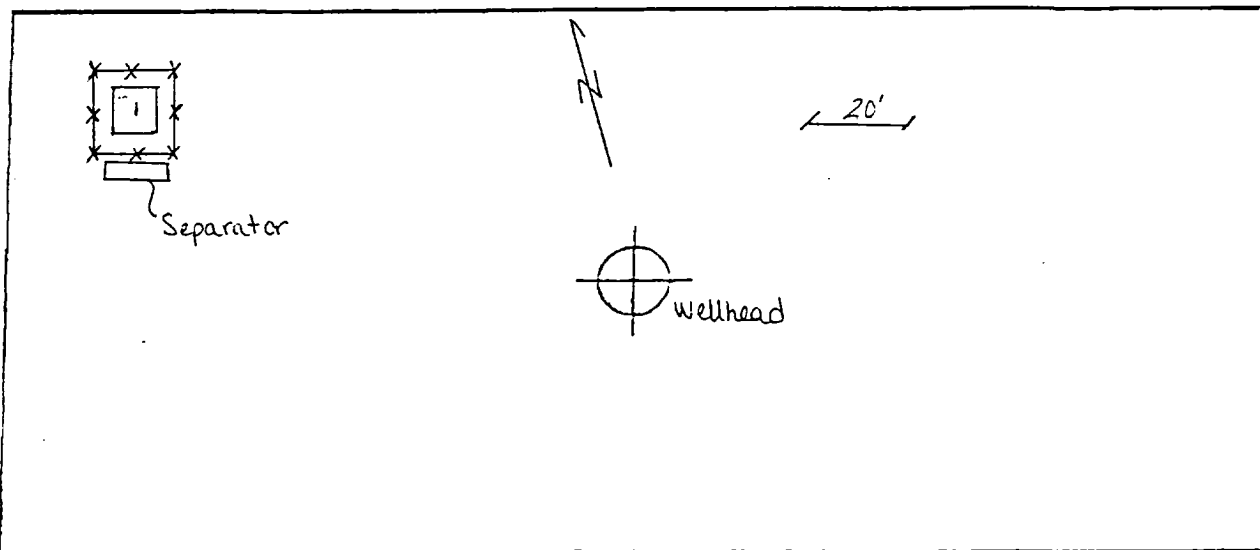
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: _____ Location: <u>N. E. Blanco Unit # 68</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>A</u> Section: <u>35</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>5-29-97</u> Area: <u>Middle</u> Run: _____									
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps)									
	Land Type: <table border="0"> <tr> <td>BLM</td> <td>☒ (1)</td> </tr> <tr> <td>State</td> <td>☐ (2)</td> </tr> <tr> <td>Fee</td> <td>☐ (3)</td> </tr> <tr> <td>Indian</td> <td>_____</td> </tr> </table>			BLM	☒ (1)	State	☐ (2)	Fee	☐ (3)	Indian
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 <u>Navajo Lake</u> (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: <u>10</u> POINTS										
REMARKS	Remarks : _____									

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 305 Footage from Wellhead 111'
b) Length : 9' Width : 9' Depth : 1'



REMARKS

Remarks :

Soil is reddish-brown sandy clay, wet, no odor

Sample taken from center bottom @ 4' deep gave an OVM reading of 0.9 ppm.

The sample was sent to Anaitas for DRO/GRO 8015 analysis.

Completed By:

Monica D. Rodahl

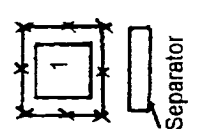
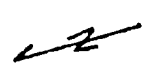
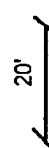
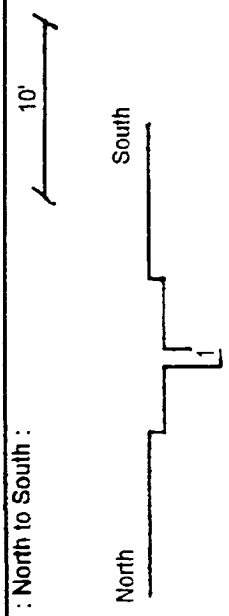
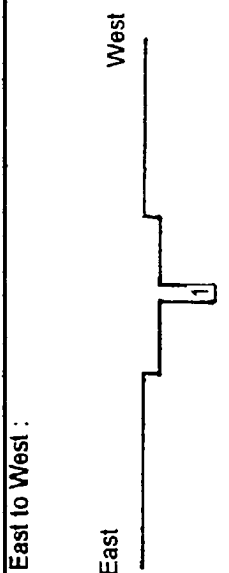
Signature

5-29-97

Date

Client : Devon Energy

Date Started : 28 May 1997 Date Completed : 29 May 1997

Location : NEBU #68 Quad : A Section : 35 Range : 7W Township: 31N Pit : Sep. Reference : 111°N, 305° from wellhead Initial Size : 9' x 9' x 1' deep Final Size : 9' x 9' x 1' deep Yds. Excavated : 0 cy Depth to Groundwater: 286' Nearest Water Source: >1000' Nearest Surface Water: 884' NMOCD Ranking Score: 10 TPH Closure Standard: 1000 ppm Comments : Reddish-brown sandy clay, wet, no odor Sent Sample #1 to Analtas for DRO/GRO 8015.		Overview of Location and Sampling :   		Pit Profile : North to South : 
Pit Profile : East to West : 				

Environmental Specialist : MDR

Cimmaron Oilfield Services

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TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
Diesel Range Organics

Devon Energy Corporation

Project ID: NEBU #68 - Separator Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 06/13/97
Date Sampled: 05/29/97
Date Received: 05/29/97
Date Extracted: 06/05/97
Date Analyzed: 06/12/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @ 4'	7009	ND	31.7

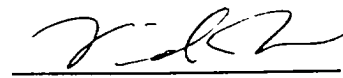
ND- Analyte not detected at the stated detection limit.

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



TOTAL VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Devon Energy Corporation

Project ID: NEBU #68 - Separator Pit
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	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Btm @ 4'	7009	ND	35.6

ND- Analyte not detected at the stated detection limit.

Quality Control:	<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

Method Blank Analysis

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

Report Date: 06/12/97
Date Sampled: NA
Date Received: NA
Date Extracted: 06/05/97
Date Analyzed: 06/12/97

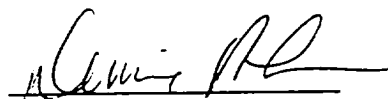
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35586	ND	22.5

ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	103%	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: 06/12/97
Date Sampled: NA
Date Received: NA
Date Extracted: 06/05/97
Date Analyzed: 06/12/97

Lab ID	Spike Added (mg/kg)	Original Conc. (mg/kg)	Spike Conc. (mg/kg)	Percent Recovery
MBSPK35593	2,100	ND	1,760	84%

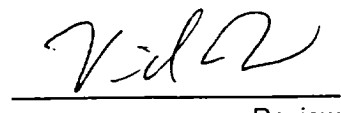
ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	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

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: 06/13/97
Date Sampled: NA
Date Received: NA
Date Extracted: 06/05/97
Date Analyzed: 06/12/97

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Method Blank	MB35586	ND	20.0

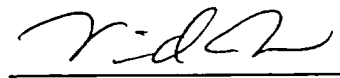
ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	o - Terphenyl	98%	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

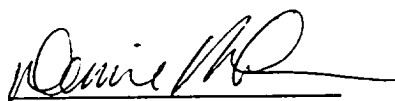
Report Date: 06/13/97
Date Sampled: NA
Date Received: NA
Date Extracted: 06/05/97
Date Analyzed: 06/10/97

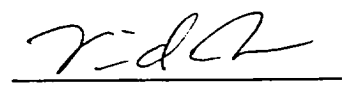
Lab ID	Spike Added (mg/kg)	Original Conc (mg/kg)	Spike Conc (mg/kg)	Percent Recovery
MBSPK35591	2,260	ND	2,050	91%

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:


Analyst


Review

