

District I
P.O. Box 1980, Hobbs, NM

District II
P.O. Drawer DD, Artesia, NM 88211

District III
1000 Rio Brazos Rd, Aztec, NM 87410
JUN 29 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 # 215

Well Name

Location: Unit or Qtr/Qtr Sec D Sec 26 T 31N R 7W County San Juan

Pit Type: Separator X Dehydrator _____ Other Production Tank

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 18 ft, width 17 ft, depth 4 ft

(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 96 ft

Direction from reference: 30 Degrees _____ East North _____

_____ of _____
X West South X

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)	
	<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)	
	_____	200 feet to 1000 feet	(10 points)	
	<u>X</u>	Greater than 1000 feet	(0 points)	<u>0</u>

P:\pits\PrnC@_WK3

RANKING SCORE (TOTAL POINTS): 0

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 6/4/97

Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 1.1

TPH ND

Ground Water Sample: Yes _____ No X (if yes, attach sample results)

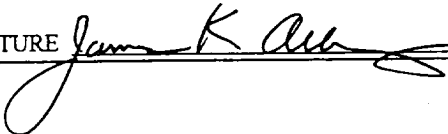
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE 2-27-98

PRINTED NAME

Jim Abbey

SIGNATURE



and TITLE

Operations Engineer

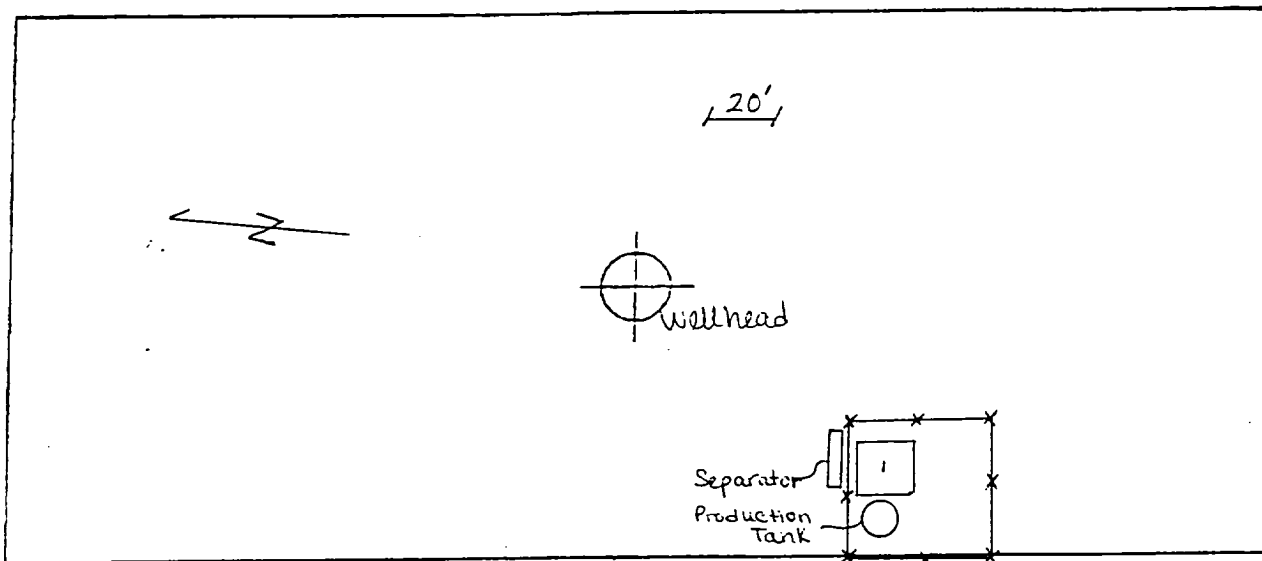
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: _____ Location: <u>N. E. Blanco Unit # 215</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>D</u> Section <u>26</u> Township: <u>30N</u> Range: <u>7W</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: <u>Sep./Prod</u> Site Assessment Date: <u>6-4-97</u> Area: <u>Middle</u> Run: _____	
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps)	Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)
	Depth to Groundwater Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input checked="" type="checkbox"/> (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? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)	
	Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (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 <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'	
TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS		
REMARKS	Remarks : _____ _____ _____	

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : c) Degrees from North 210 Footage from Wellhead 96'
b) Length : 18' Width : 17' Depth : 4'



REMARKS

Remarks :

Fiberglass pit was removed from earthen pit prior to testing. Some water was standing in the earthen pit surrounding the fiberglass pit.

Soil characteristics : 0' - 4' Dry, light reddish-brown silty sand, no odor

4' - 7' Grayish-brown, slightly moist, clayey sand, very slight odor

Sample was taken from center bottom of pit @ 7' deep where the OVM reading was 1.1 ppm. The sample was sent to Anaitas, Inc. for DRO/GRO 8015 analysis. The pit was backfilled and a double-bottom steel pit was installed.

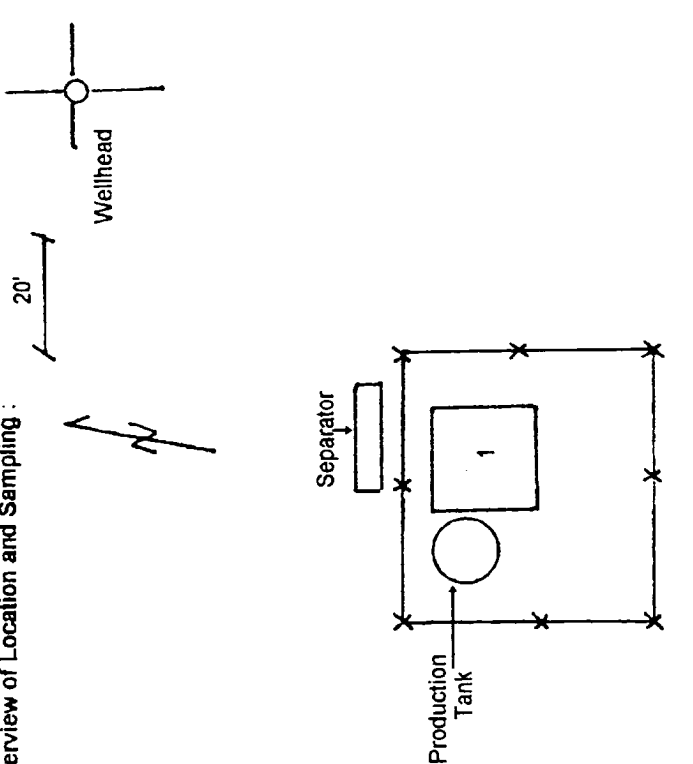
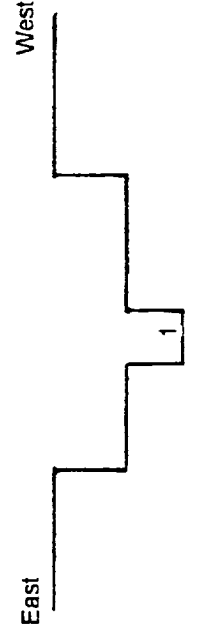
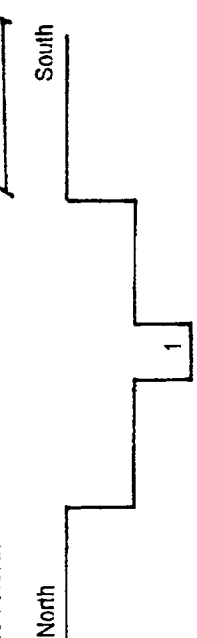

Completed By:

Monica D. Rodahl

Signature

6-4-97

Date

<p>Location : <u>N.E. Blanco Unit # 215</u></p> <p>Quad : <u>D</u> Section : <u>26</u></p> <p>Range : <u>7W</u> Township: <u>30N</u></p> <p>Pit : <u>Sep. / Prod. Tank</u></p> <p>Reference : <u>96' N. 210</u> from wellhead</p> <p>Initial Size : <u>18' x 17' x 4' deep</u></p> <p>Final Size : <u>18' x 17' x 4' deep</u></p> <p>Yds. Excavated : <u>0 cy</u></p> <p>Depth to Groundwater: <u>>100'</u></p> <p>Nearest Water Source: <u>>1000'</u></p> <p>Nearest Surface Water: <u>>1000'</u></p> <p>NMOCD Ranking Score: <u>0</u></p> <p>TPH Closure Standard: <u>5000 ppm</u></p> <p>Comments : <u>Fiberglass pit was removed before testing. Some water was standing in the earthen pit surrounding the fiberglass pit.</u></p> <p><u>0' - 4' Dry, light reddish-brown silty sand, no odor</u></p> <p><u>4' - 7' Grayish-brown, slightly moist clayey sand, very slight odor</u></p> <p><u>Pit was backfilled and a double-bottom steel tank was installed.</u></p>		<p>Overview of Location and Sampling :</p>  <p>Sample #1 was sent to Analtas for DRO/GRO 8015.</p> <p>Pit Profile : East to West :</p> 	
<p>Pit Profile : North to South :</p> 		<p>Pit Profile : East to West :</p> 	



TOTAL VOLATILE PETROLEUM HYDROCARBONS

Gasoline Range Organics

Devon Energy Corporation

Project ID: NEBU #215 - Sep/Prod Pit
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 06/19/97
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 @ 7'	7019	ND	35.8

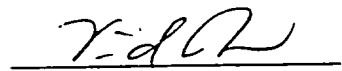
ND- Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	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 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: 06/11/97


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	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

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: 06/11/97

Lab ID	Spike Added (mg/kg)	Original Conc (mg/kg)	Spike Conc (mg/kg)	Percent Recovery
MBSPK35592	2,260	ND	2,120	94%


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 VOLATILE PETROLEUM HYDROCARBONS
Gasoline Range Organics

Method Blank Analysis

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

Report Date: 06/19/97
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: 06/19/97
Date Sampled: NA
Date Received: NA
Date Extracted: 06/05/97
Date Analyzed: 06/12/97

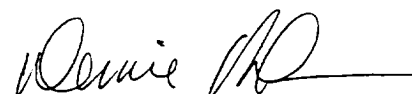
Lab ID	Spike Added (mg/kg)	Original Conc (mg/kg)	Spike Conc (mg/kg)	Percent Recovery
MBSPK35593	2,100	ND	1,760	84%


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

**Pit Closure Analysis
Analyst Information**

Devon Energy Corporation

Report Date: 06/16/97
Lab ID: 7016 - 7019

Parameter	Sample ID	Analyst	Date Extracted	Date Analyzed
BTEX	7016 - 7018	D. Bohemier	06/05/97	06/12/97
				06/13/97
Total Volatile Petroleum Hydrocarbons	7016 - 7018	D. Bohemier	06/05/97	06/12/97
				06/13/97
	7019		06/05/97	06/12/97
				06/13/97
Total Recoverable Petroleum Hydrocarbons	7016 - 7018	D. Bohemier	06/05/97	06/11/97

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

PROJECT MANAGER:
Analytica Lab I.D.:

Company: Dewan Energy
Address:

Phone:
Fax:

Bill To: _____
Company: _____
Address: _____
 Devon Energy

CHAIN OF CUSTODY

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