

1000 Rio Brazos Rd., Amar., NM 87418

MAR 18 1997

Energy, Minerals and Natural Resources Department

**DEPUTY OIL & GAS INSPECTOR**

**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**

(Revised 3/9/94)

# PIT REMEDIATION AND CLOSURE REPORT

Operator: NASSAU RESOURCES, INC. Telephone: 505 326-7793

**Address:** P O Box 809, Farmington, NM 87499-0809

Facility Or: Arboles 29 A #1 well, Pit #2  
Well Name \_\_\_\_\_

Location: Unit or Qtr/Qtr Sec K Sec 29 T 32N R 04W County Rio Arriba

Pit Type: Separator XX Dehydrator      Other     

Land Type: BLM \_\_, State \_\_, Fee \_\_, Other \_\_ USFS

**Pit Location:** Pit dimensions: length 12', width 12', depth 5'  
(Attach diagram)

Reference: wellhead xx, other

Footage from reference: 130'

[illegible]

**Depth To Ground Water:**

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
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)  
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)  
200 feet to 1000 feet (10 points)  
Greater than 1000 feet (0 points) 0

**RANKING SCORE (TOTAL POINTS):**

-n-

Date Remediation Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections) Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_  
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: \_\_\_\_\_

Ground Water Encountered: No \_\_\_\_\_ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: Sample location Separator pit - See attached.

Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 3'

Sample date 10/23/96 Sample time 1:30 PM

Sample Results

Benzene(ppm) 0.24

Total BTEX(ppm) 0.24

Field headspace(ppm) N = 0.5, S = 0.9, E = 0.3, W = 0.4

TPH 21.9

Ground Water Sample: Yes \_\_\_\_\_ No XX (If yes, attach sample results)

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

Pit closed 11/14/96

DATE 11/18/96

SIGNATURE Fran Perrin

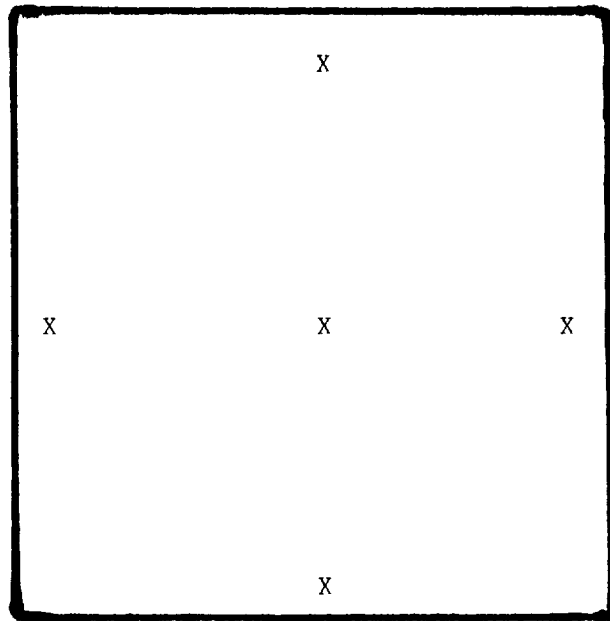
PRINTED NAME AND TITLE Fran Perrin, Regulatory Liaison

# SAMPLE DIAGRAM

WELL NAME Arboles 29 A #1, Pit #2  
TYPE OF PIT Separator

Pit size is 12' x 12' x 5'.  
Samples were taken 3' below pit surface.  
Sample locations were 2' from each pit side,  
centered on the pit side and in the center of the pit.

Pit is 130' west of well head.



X = SAMPLING POINT

NOT DRAWN TO SCALE

22



## Organic Analysis - Pit Closure

Nassau Resources, Inc.

Project ID: Pit Closures  
Sample ID: Arboles 29 A1; Pit 2  
Lab ID: 5472  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Intact

Report Date: 11/01/96  
Date Sampled: 10/23/96  
Date Received: 10/24/96  
Date Extracted: 10/29/96  
Date Analyzed: 10/29/96

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
----------------	--------------------------	----------------------------

### Total Aromatic Hydrocarbons

ND

Benzene	ND	0.24
Toluene	ND	0.24
Ethylbenzene	ND	0.24
m,p-Xylenes	ND	0.24
o-Xylene	ND	0.24

### Total Petroleum Hydrocarbons

ND

C <sub>6</sub> - C <sub>10</sub>	ND	21.9
C <sub>10</sub> - C <sub>28</sub>	ND	16.5

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	96	81 - 117%
	o-Terphenyl	89	50 - 150%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;  
Test Methods for Evaluating Solid Wastes, SW-846, United States  
Environmental Protection Agency, Final Update I, July, 1992.

Method for the Determination of Gasoline Range Organics,  
State of Tennessee, Department of Environment and Conservation, Division  
of Underground Storage Tanks.

### Comments:

Forums P. O'Flough  
11/1/96

Analyst

**RECEIVED**

Review

OK per Denny,  
CC A