

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Box 100, Aztec, NM 88211

District III  
DEPUTY OIL & GAS INSPECTOR

1000 Rio Brazos Rd, Aztec, NM 87410

SEP 26 1997

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: LOUIS DREYFUS NATURAL GAS Telephone: (505) 885-1313

Address: P.O. BOX 370, CARLSBAD, NM 88211

Facility Or: FEDERAL #29-22

Well Name \_\_\_\_\_

Location: Unit or Qtr/Qtr Sec SE/NW Sec 29 T 27N R 11W County SAN JUAN

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

Land Type: BLMXX, State \_\_\_\_\_, Fee \_\_\_\_\_, Other \_\_\_\_\_

Pit Location: Pit dimensions: length 22, width 20, depth 16  
(Attach diagram)

Reference: wellhead \_\_\_\_\_, other See Attached

Footage from reference: \_\_\_\_\_

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

**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) 10

**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) 20

**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): 30

Date Remediation Started: 02/18/96 Date Completed: 02/19/96

Remediation Method: Excavation XX Approx. cubic yards 260

Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

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

General Description of Remediation Action: \_\_\_\_\_

CONTAMINATION WAS REMEDIATED BY DILUTION AND AERATION.

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

Final Pit:  
Closure Sampling:  
(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)

Sample location See Attached

Sample depth 16

Sample date 02/18/96 Sample time 05:00:00

Sample Results

Benzene (ppm) 5

Total BTEX (ppm) 6

Field headspace (ppm) \_\_\_\_\_

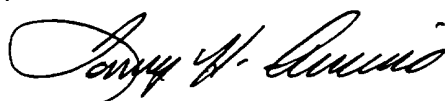
TPH 42

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

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

DATE 09/12/96

SIGNATURE



PRINTED NAME **Tommy H. Arnwine, A.S.P.**  
AND TITLE **Environmental & Safety Director**

# PIT CLOSURE SAMPLING REPORT

OPERATOR LOUIS DREYFUS NATURAL GAS

ADDRESS : P.O. BOX 370 CARLSBAD, NM 88211

WELL NAME : FEDERAL #29-22

PIT TYPE : SEPARATOR LEGALS : 1800'N/1800'W SEC.29 T27N R11W

## CONFIRMATION SAMPLES

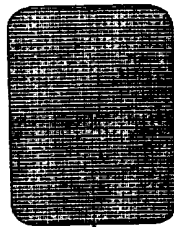
WALL	DEPTH	TPH	BENZENE	BTEX
NORTH	14'	84	3.5	6.6
SOUTH	14'	19	2.1	2.3
EAST	14'	48	3.9	4.0
WEST	14'	66	5.1	7.1
BOTTOM	14'	42	5.1	5.7

## REMEDATION SAMPLES

SAMPLE	TPH	BENZENE	BTEX	SAMPLE	TPH	BENZENE	BTEX
1	89	5.2	5.5	17			
2	84	4.3	4.8	18			
3	90	4.6	5.9	19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16				32			

LOUIS FREYFUS NATURAL GAS  
FEDERAL#29-22

SEPARATOR PIT



6' 108" SE



WELLHEAD