

OK

District I

P.O. Box 1330, Hobbs, NM

~~District I~~

P.O. Drawer DD, Artesia, NM 88211

~~District I~~

1000 Rio Brazos Rd., Aztec, NM 87410

SEP 26 1997

State of New Mexico

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

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: Louis Dreyfus Natural Gas

Telephone: (915) 387-5355

Address: P.O. Box 525

Sonora, Tx. 76950

Facility Or: Mudge "A" #7

Well Name

Location: Unit or Qtr/Qtr Sec NW/SW Sec 6 T 27N R 11W County San Juan

Pit Type: Separator X Dehydrator Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 15, width 24, depth 6
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 11 feet

Direction from reference: 150° Degrees X East North
of
 West South X

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):

0

Dated Completed: 2-8-96

Approx. cubic yards 80

Landfarmed

Insitu Bioremediation

Other

(ie. landfarmed onsite,
name and location of
offsite facility)

General Description Of Remedial Action:

Contamination was remediated by Dilution and Aeration.

This report is for re-sample of completed remediation.

No X

Yes

Depth

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample location See Attached

Sample depth See Attached

Sample date 7-9-97

Sample time

Sample Results

Benzene (ppm) **See Attached**

Total BTEX(ppm) See Attached

Field headspace(ppm) See Attached

TPH See Attached

Ground Water Sample: Yes ☐ No ☒ (If yes, attach sample results)

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

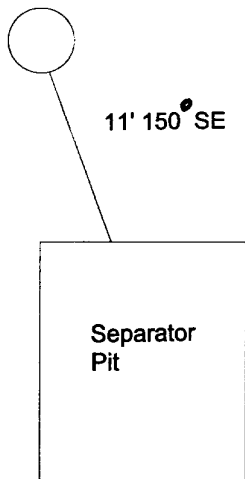
DATE 7-21-97

SIGNATURE

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

LOUIS DREYFUS NATURAL GAS
SAN JUAN COUNTY, NEW MEXICO
MUDGE "A" #7
NW/SW S6 T27N R11W

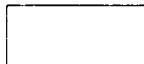
Wellhead



Original Pit Excavation:
Length 15 ft., Width 24 ft., Depth 6 ft.

Re-Samples Taken at:
3 feet and 10 feet

Separator



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mudge "A" 7
3 ft.

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Louis Dreyfus Natural Gas	Project #:	97300-26
Sample ID:	5	Date Reported:	07-10-97
Laboratory Number:	B632	Date Sampled:	07-09-97
Chain of Custody:	5302	Date Received:	07-09-97
Sample Matrix:	Soil	Date Analyzed:	07-10-97
Preservative:	Cool	Date Extracted:	07-09-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.7
Toluene	17.3	8.3
Ethylbenzene	ND	7.6
p,m-Xylene	101	10.8
o-Xylene	81.1	5.2
Total BTEX	200	

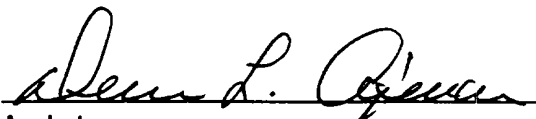
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: NAPI.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mudge "A" 7
10 ft.

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Louis Dreyfus Natural Gas	Project #:	97300-26
Sample ID:	6	Date Reported:	07-10-97
Laboratory Number:	B633	Date Sampled:	07-09-97
Chain of Custody:	5302	Date Received:	07-09-97
Sample Matrix:	Soil	Date Analyzed:	07-10-97
Preservative:	Cool	Date Extracted:	07-09-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.7
Toluene	ND	8.3
Ethylbenzene	ND	7.6
p,m-Xylene	ND	10.8
o-Xylene	ND	5.2
Total BTEX	ND	

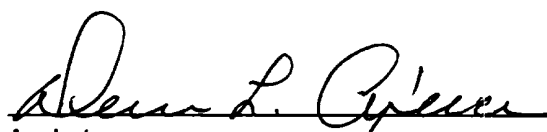
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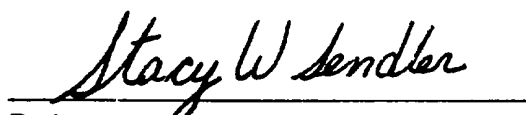
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: NAPI.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

*Mudc "A" 7
34.*
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Louis Dreyfus Natural Gas	Project #:	97300-26
Sample ID:	5	Date Reported:	07-10-97
Laboratory Number:	B632	Date Sampled:	07-09-97
Chain of Custody No:	5302	Date Received:	07-09-97
Sample Matrix:	Soil	Date Extracted:	07-10-97
Preservative:	Cool	Date Analyzed:	07-10-97
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	28.8	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **NAPI.**

Christine Walters

Analyst

Stacy W Sandler

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

*Mudcreek #7
10 ft.*
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

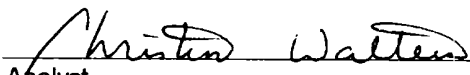
Client:	Louis Dreyfus Natural Gas	Project #:	97300-26
Sample ID:	6	Date Reported:	07-10-97
Laboratory Number:	B633	Date Sampled:	07-09-97
Chain of Custody No:	5302	Date Received:	07-09-97
Sample Matrix:	Soil	Date Extracted:	07-10-97
Preservative:	Cool	Date Analyzed:	07-10-97
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

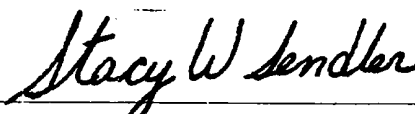
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **NAPI.**


Analyst


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