

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator: Snyder Oil Corporation Telephone: 505 632-8056

Address: Post Office Box 2038, Farmington, NM 87499-2038

Facility Or: Government Arnstein 1
Well Name

Location: Unit or Qtr/Qtr Sec K Sec 18 T 31N R 12W County San Juan

Pit Type: Separator x Dehydrator Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 10', width 10', depth 3'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 50'

Direction from reference: N Degrees East North 0°
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) 0

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

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Yes (20 points)
No (0 points) 0

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DIST. 3

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

Date Remediation Started: 6/7/94

Dated Completed: 8/31/95

Remediation Method: Excavation X
(Check all appropriate sections)

Approx. cubic yards 1800

Landfarmed X

Insitu Bioremediation

Other

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

General Description Of Remedial Action: The pit was excavated to a depth of about 20 ft and the excavated material was spread out on location in a land farm. The land farm was tilled and sampled frequently. Water, nutrients and microorganisms were added to the pit to aid remediation. The land farm cleared on 8/31/96 with two composite samples with field headspace results of 1 ppm and 8 ppm. The TPH results that correspond to these are 26 ppm and 78 ppm.

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 Pit bottom

Sample depth 20 ft

Sample date 5/10/95

Sample time 3:00 pm

Sample Results

Benzene(ppm) n/a

Total BTEX(ppm) n/a

Field headspace(ppm) 3.2 ppm

TPH 69 ppm

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

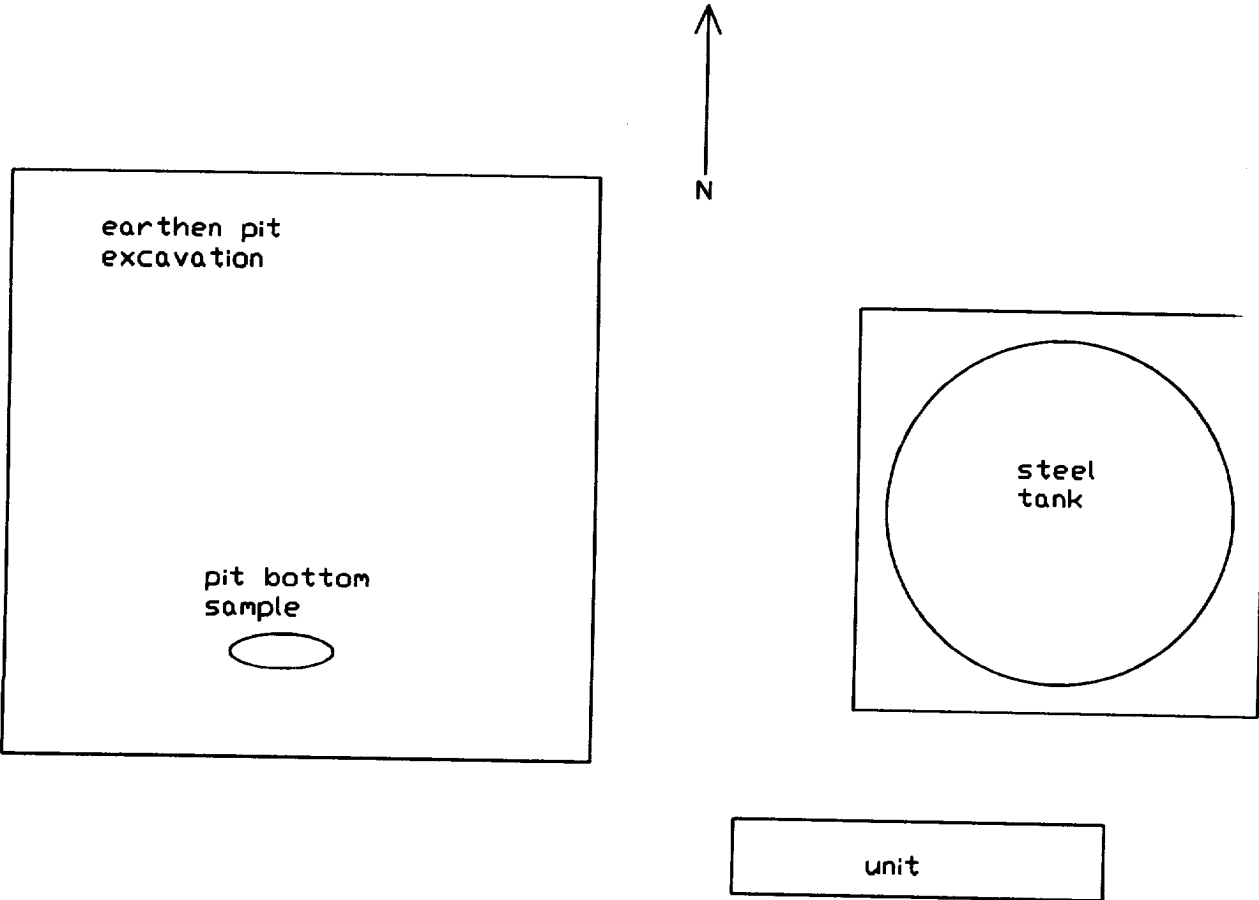
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE Oct 22, 1996

SIGNATURE Shawn Adams

PRINTED NAME Shawn Adams, Env. Consultant
AND TITLE Contract Env. Services, Inc.

Pit Excavation Soil Log		
Wellname	Government Arnstein 1	
Depth (ft)	Description	PID Readings
0	Silty sand and clay	
1	"	
2	"	837 ppm
3	"	
4	"	885 ppm
5	"	
6	"	959 ppm
7	"	
8	"	917 ppm
9	"	
10	"	
11	"	
12	"	
13	"	
14	"	



OFF: (505) 325-8786



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn: *Shawn Adams*
Company: *Contract Environmental Services, Inc.*
Address: *P.O. Box 505*
City, State: *Kirtland, NM 87417*

Date: *5/12/95*
COC No. *2671*
Sample No. *6290*
Job No. *2-1000*

Project Name: *Snyder Oil Corporation Gov't Arnstein #1*
Project Location: *GOVT-100 Pit Bottom (GA)*
Sampled by: *SA* Date: *5/10/95* Time: *15:00*
Analyzed by: *BV* Date: *5/11/95*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>6290-2671</i>	<i>Snyder Oil Corporation Gov't Arnstein #1 GOVT-100 Pit Bottom (GA)</i>	<i>69 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *[Signature]*
Date: *5/12/95*

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OFF: (505) 325-8786



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn: *Shawn Adams*
Company: *Contract Environmental Services, Inc.*
Address: *P.O. Box 505*
City, State: *Kirtland, NM 87417*

Date: *6-Sep-95*
COC No.: *3178*
Sample No. *8041*
Job No. *2-1000*

Project Name: *Synder Oil Corporation - Gov't Arnstein 1*
Project Location: *GOVT-210 Soil Farm*
Sampled by: *SA* Date: *31-Aug-95* Time: *15:00*
Analyzed by: *BV* Date: *5-Sep-95*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>8041-3178</i>	<i>Synder Oil Corporation - Gov't Arnstein 1 GOVT-210 Soil Farm</i>	<i>26 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *Jay*

Date: *9/6/95*

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OFF: (505) 325-8786



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn: *Shawn Adams*
Company: *Contract Environmental Services, Inc.*
Address: *P.O. Box 505*
City, State: *Kirtland, NM 87417*

Date: 6-Sep-95
COC No.: 3178
Sample No. 8042
Job No. 2-1000

Project Name: *Synder Oil Corporation - Gov't Arnstein 1*
Project Location: *GOVT-211 Soil Farm*
Sampled by: SA
Analyzed by: BV
Type of Sample: *Soil*

Date: 31-Aug-95 Time: 15:00
Date: 5-Sep-95

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
8042-3178	<i>Synder Oil Corporation - Gov't Arnstein 1</i> <i>GOVT-211 Soil Farm</i>	78 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:
Date:

Ja4
9/6/95

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