District I
PO Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Anseia, NM 88211
District III
1000 Rio Brazos Rd, Aziec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

12 thing 2 Front

PIT REMEDIATION AND CLOSURE REPORT

Operator: Snyder Oil Corporation	
	Telephone: 505 632-8056
Address: Post Office Box 2038, Farmi	ington, NM 87499-2038
Facility Or: Duke 1M Well Name	
Location: Unit or Qtr/Qtr Sec_ I	
Pit Type: Separator X Dehydrator	Other
Land Type: BLM_X_, State, Fee	
Reference: wellhead_	gth 10', width 10', depth 3'x, other
Footage from reference	e: 50'
	ence: S Degrees East North
	of West South no
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)
Wellhead Protection Areas	
Distance To Surface Water: [Horizontal distance to perennial akes, ponds, rivers, streams, creeks, crigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
a a a a a a a a a a a a a a a a a a a	RANKING SCORE (TOTAL POINTS): 0

Date Remediation 8	tarted:	6/14/94	Dated Comp	leted:	9/26/95
Remediation Method	: Excava				
(Check all appropriate sections)	₽		Insitu Bioremed		
	Other			-401011	
				<u> </u>	
Remediation Locati (ie. landfarmed onsite name and location of offsite facility)		nsite <u>X</u> Of	fsite		•
General Description	Of Reme	edial Actio	n: The extent of o	contamin	ation require
1			ated. The contamina		
11	1		diation. Samples of		
farm were take	n period:	ically. Th	e land farm was suff	icientl	y remediated
on 8/31/95 wit	h a field	d headspace	reading of 4 ppm an	ıd a TPH	of 385 ppm.
Ground Water Encoun	tered:	No <u>х</u>	Yes Depth_		
		·			
Final Pit: Closure Sampling: (if multiple samples,	Sample	location _	l) N-W Corner, 2) S-		r, 3) W-cente
Closure Sampling: (if multiple samples, attach sample results and diagram of sample				W Corne	r, 3) W-cente
Closure Sampling: (if multiple samples, attach sample results	Sample o		1) N-W Corner, 2) S- Et, 2) 20 ft, 3) 20	W Corne	
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample o	depth 1) 20:	1) N-W Corner, 2) S- Et, 2) 20 ft, 3) 20	W Corne	
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample of Sample of	depth 1) 20: date 3/21;	1) N-W Corner, 2) S- Et, 2) 20 ft, 3) 20 /95 Sample	W Corne	
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample of Sample I	depth 1) 20: date 3/21, Results nzene(ppm)	1) N-W Corner, 2) S- Et, 2) 20 ft, 3) 20 /95 Sample	W Corne	
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample of Sample of Ber	depth 1) 20: date 3/21; Results nzene(ppm)	1) N-W Corner, 2) S- Et, 2) 20 ft, 3) 20 /95 Sample n/a m) n/a	W Corne	:30 am
Closure Sampling: (if multiple samples, attach sample results and diagram of sample	Sample of Sample of Ber Tot	depth 1) 20: date 3/21; Results nzene(ppm) cal BTEX(pp	1) N-W Corner, 2) S-Et, 2) 20 ft, 3) 20 /95 Sample n/a m) n/a ce(ppm) 1) 2500ppm, 2	W Corner ft time 9	:30 am
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample of Sample of Sample of Ber Tot	depth 1) 20: date 3/21; Results nzene(ppm) cal BTEX(pp	1) N-W Corner, 2) S- Et, 2) 20 ft, 3) 20 /95 Sample n/a m) n/a ce(ppm) 1) 2500ppm, 2 om, 2) 34 ppm, 3) 5	W Corner ft time 9	30 am
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)	Sample of Sample	depth 1) 20: date 3/21; Results nzene(ppm) cal BTEX(pp cld headspa-	1) N-W Corner, 2) S- Et, 2) 20 ft, 3) 20 /95	W Corner ft time 9	30 am 3) 9.0 ppm
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Ground Water Sample: I HEREBY CERTIFY THA	Sample of Sample	depth 1) 20: date 3/21; Results nzene(ppm) cal BTEX(pp cld headspa-	1) N-W Corner, 2) S- Et, 2) 20 ft, 3) 20 /95	W Corner ft time 9	30 am 3) 9.0 ppm

Pit Excavation Soil Log		
Wellname	Duke 1M	
Depth (ft)	Description	
0	Silty sand and clay	
11	11	
2	10	
3		
4	п	
5	**	
6	11	
7	••	
8	"	
9	11	
10	*1	
11	11	
12	"	
13	"	
14	"	

0

plugged wellhead

Ν

earthen pit excavation

1

pit bottom samples

3

⊃ 2



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn:

Shawn Adams

Date:

3/24/95

Company: Contract Environmental Services, Inc.

COC No.

2214

Address:

P.O. Box 505

Sample No.

5632

City, State: Kirtland, NM 87417

Job No.

2-1000

Project Name:

Snyder Oil Corporation Duke #1M

Project Location:

DUKE-500 SW Bank 3' Deep

Date:

3/21/95 Time:

9:54

Sampled by: Analyzed by: SA DC

Date:

3/24/95

Type of Sample:

Soil

Laboratory Analysis

Laboratory		Total Petroleum
Identification	Sample Identification	Hydrocarbons
	Snyder Oil Corporation Duke #1M	
5632-2214	DUKE-500 SW Bank 3' Deep	3,725 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn: Shawn Adams Date:

3/24/95

Company: Contract Environmental Services, Inc.

COC No.

2214

Address: P.O. Box 505

City, State: Kirtland, NM 87417

Sample No. Job No.

5633 2-1000

Project Name:

Snyder Oil Corporation Duke #1M

Project Location:

DUKE-501 S Wall 24" Deep

Sampled by:

SA

Date:

3/21/95 Time:

9:45

Analyzed by:

DC

Date:

3/24/95

Type of Sample:

Soil

Laboratory Analysis

Laboratory		Total Petroleum
Identification	Sample Identification	Hydrocarbons
	Snyder Oil Corporation Duke #1M	
5633-2214	DUKE-501 S Wall 24" Deep	34 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

P. O. BOX 2606 • FARMINGTON, NM 87499



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn:

Shawn Adams

Date:

3/24/95

Company: Contract Environmental Services, Inc.

COC No.

2214

Address:

Sample No.

5634

P.O. Box 505 City, State: Kirtland, NM 87417

Job No.

2-1000

Project Name:

Snyder Oil Corporation Duke #1M

Project Location:

SA

DUKE-502 N Wall 18" Deep Date:

3/21/95 Time:

9:30

Sampled by: Analyzed by:

DC

Date:

3/24/95

Type of Sample:

Soil

Laboratory Analysis

Laboratory		Total Petroleum
Identification	Sample Identification	Hydrocarbons
	Snyder Oil Corporation Duke #1M	
5634-2214	DUKE-502 N Wall 18" Deep	5 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn:

Shawn Adams

Date:

6-Sep-95

Company: Contract Environmental Services, Inc.

COC No.:

3178

Address:

P.O. Box 505

Sample No.

8038

City, State: Kirtland, NM 87417

Job No.

2-1000

Project Name:

Synder Oil Corporation - Duke 1M

Project Location:

DUKE-204 Soil Farm

Sampled by:

SA

Date: Date:

31-Aug-95 Time:

5-Sep-95

14:33

Analyzed by: Type of Sample: ΒV Soil

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
	Synder Oil Corporation - Duke 1M	
8038-3178	DUKE-204 Soil Farm	202 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn:

Shawn Adams

Date:

6-Sep-95

Company: Contract Environmental Services, Inc.

COC No.:

3178

Address:

P.O. Box 505

Sample No.

8039

City, State: Kirtland, NM 87417

Job No.

2-1000

Project Name:

Synder Oil Corporation - Duke 1M

Project Location:

DUKE-205 Soil Farm

Sampled by:

SA

Date: Date:

31-Aug-95 Time:

14:33

Analyzed by:

Type of Sample:

ΒV Soil 5-Sep-95

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
	Synder Oil Corporation - Duke 1M	
8039-3178	DUKE-205 Soil Farm	291 <i>mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: Date:

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-TECHNOLOGY BUNDING INDUSTRY WITH THE FAURONMENT -



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn: Shawn Adams

Date:

6-Sep-95

Company: Contract Environmental Services, Inc.

COC No.:

3178

Address: P.O. Box 505 Sample No.

City, State: Kirtland, NM 87417

Job No.

8040 2-1000

Project Name:

Synder Oil Corporation - Duke 1M

Project Location:

DUKE-207 Soil Farm

Sampled by:

SA

Date:

31-Aug-95 Time:

14:34

Analyzed by: Type of Sample: ΒV Soil

Date: 5-Sep-95

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
	Synder Oil Corporation - Duke 1M	
8040-3178	DUKE-207 Soil Farm	385 mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

Date: