District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM
District III
1000 Rio Brazos Rd, Aztec, NM 87410

Denny G. Foust
DEPUTY OIL & GAS INSPECTOR
MAR 12 1997

State of New Mexico
Energy, Minerals and Natural Resources Department

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: Chateau Oil & Gas (formerly Snyder Oil Corp) **Telephone:** 632 - 8056

Address: P.O. Box 2038, Farmington, NM 87499-2038

Facility Or Well Name: Clayton #1E - Excavation #1

Location: Unit or Qtr/Qtr Sec Unit P Sec 02 T 30N R 12W County San Juan

Pit Type: Separator X Dehydrator ___ Other ___

Land Type: BLM ___, State ___, Fee X, Other ___

Pit Location: (Attach diagram)

Pit dimensions: length 15', width 15', depth 4'

Reference: wellhead X, other ___

Footage from reference: 82'

Direction from reference: 75 Degrees X East North X 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

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DIST. 3

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) 10

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 6/27/94 **Dated Completed:** 9/15/95

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 500

Landfarmed X Insitu Bioremediation ___

Other _____

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

General Description Of Remedial Action: Contaminated soils from the pit were excavated to a depth of 16 feet. The excavated material was spread on location in a landfarm. The landfarm was raked and tilled frequently. This pit had an overflow pit adjacent to it and was excavated at the same time. Material from both excavations was spread in the landfarms together. Some of the material was placed on the adjoining location, the Clayton #2A. All material remediated by 9/15/95 (see attached lab reports).

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 center

Sample depth 16-17 ft deep

Sample date 11/14/94 Sample time 11:45 am

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 8.0

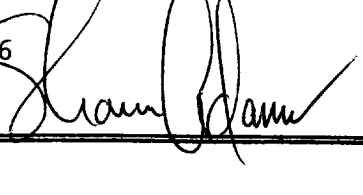
TPH (418.1) = 49 ppm

Landfarm Samples, TPH
Landfarm(85) =256 ppm
Landfarm(33) =100 ppm
Landfarm(64) =148 ppm
Cla2A-100 = 86 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 12/5/96

SIGNATURE 

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

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

Attn:	*Shawn Adams*	Date:	11/15/94
Company:	*Contract Environmental Services, Inc.*	*Lab ID:*	*2296*
Address:	*P.O. Box 505*	*Sample No.*	*3984*
City, State:	*Kirtland, NM 87417*	*Job No.*	*2-1000*

Project Name:	***Synder Oil Corporation***				
Project Location:	***CLA1E-400 Excavation 1 Bottom Clearance***				
Sampled by:	SA	Date:	11/14/94	Time:	11:45
Analyzed by:	DLA	Date:	11/15/94		
Type of Sample:	*Soil*				

Laboratory Analysis

Laboratory Identification	*Sample Identification*	*Total Petroleum Hydrocarbons*
3984-2296	*Synder Oil Corporation* ***CLA1E-400 Excavation 1 Bottom Clearance***	49 *mg/kg*

Method - *EPA Method 418.1 Total Petroleum Hydrocarbons*

Approved by:

Date: 11/15/94

ANALYTICA
ENVIRONMENTAL LABORATORY

TOTAL PETROLEUM HYDROCARBONS
EPA Method 418.1

Snyder Oil Company

Project ID: Clayton 1 E
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 09/18/95
Date Sampled: 09/13/95
Date Received: 09/15/95
Date Extracted: 09/15/95
Date Analyzed: 09/15/95

3 4

Excavation #2 → old bottom sample

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Pit Bottom	1503	1,230	92.4
Landfarm (85)	1504	256	24.5
Landfarm (33)	1505	100	16.6
Landfarm (64)	1506	148	16.7

ND- Analyte not detected at the stated detection limit.

Reference: Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986; Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:

M. Wilkins
Analyst

Review

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

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: 11/7/94
Lab ID: *2189*
Sample No. *3873*
Job No. *2-1000*

Project Name: ***Synder Oil Corporation***
Project Location: ***CLA2A-100***
Sampled by: SA Date: 11/4/94 Time: 15:43
Analyzed by: DC Date: 11/7/94
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	*Sample Identification*	*Total Petroleum Hydrocarbons*
3873-2189	*Synder Oil Corporation* ***CLA2A-100*** – Landfarm Clearance	86 *mg/kg*

Method - *EPA Method 418.1 Total Petroleum Hydrocarbons*

Approved by: Jack
Date: 11/15/94

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

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

Operator: Chateau Oil & Gas (formerly Snyder Oil Corp **Telephone:** 632 - 8056

Address: P.O. Box 2038, Farmington, NM 87499-2038

Facility Or: Clayton #1E - Excavation #2
Well Name

Location: Unit or Qtr/Qtr Sec Unit P Sec 02 T 30N R 12W County SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other Overflow from Separator

Land Type: BLM ___, State ___, Fee X, Other ___

Pit Location: (Attach diagram)
Pit dimensions: length 12', width 12', depth 4'
Reference: wellhead X, other ___
Footage from reference: 107'
Direction from reference: 100 Degrees X East North X 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)	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)	10
	RANKING SCORE (TOTAL POINTS):	10

Date Remediation Started: 7/1/94 **Dated Completed:** 9/15/95

Remediation Method: (Check all appropriate sections)
Excavation X Approx. cubic yards 500
Landfarmed X Insitu Bioremediation ___
Other ___

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

General Description Of Remedial Action: The contaminated soils from the pit were excavated to a depth of approximately 12 feet where bedrock was encountered. The excavated material was mixed in with the material from the separator pit and spread on location in a landfarm. Some of the material was landfarmed on the adjoining location, the Clayton #2A. All of the material was remediated by 9/15/95 (see attached lab reports).

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 center

Sample depth 12 ft. deep on sandstone

Sample date 12/2/96 Sample time 10:45 am

Sample Results

Benzene(ppm) non-detect

Total BTEX(ppm) 28.19 ppm

Field headspace(ppm) 74

TPH (418.1)= 408 ppm

8015 mod.: Gas = 5.2 ppm
Diesel = 8.2 ppm

Landfarm Samples, TPH
Landfarm(85) =256 ppm
Landfarm(33) =100 ppm
Landfarm(64) =148 ppm
Cla2A-100 = 86 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 12/5/96

SIGNATURE Shawn Adams

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

ANALYTICA
ENVIRONMENTAL LABORATORY

VOLATILE AROMATIC HYDROCARBONS

Synder Oil Co.

Project ID:	Clayton 1E	Report Date:	09/20/95
Sample ID:	Pit Bottom	Date Sampled:	09/13/95
Lab ID:	1503	Date Received:	09/15/95
Sample Matrix:	Soil	Date Extracted:	09/20/95
Preservative:	Cool	Date Analyzed:	09/20/95
Condition:	Intact		

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Benzene	ND	0.22
Toluene	0.69	0.22
Ethylbenzene	2.80	0.22
m,p-Xylenes	18.4	0.44
o-Xylene	6.30	0.22

ND - Analyte not detected at the stated detection limit.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Trifluorotoluene	101	81 -117%
Bromofluorobenzene	103	74 -121%

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.

Comments:

Analyst

Review

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TOTAL PETROLEUM HYDROCARBONS

Attn:	Shawn Adams	Date:	2-Dec-96
Company:	Contract Environmental Services, Inc.	COC No.:	6219
Address:	P.O. Box 505	Sample No.	13064
City, State:	Kirtland, NM 87417	Job No.	2-1000

Project Name:	**Chateau Oil & Gas - Clayton #1E**				
Project Location:	**CLAY-2000; Overflow Pit Bottom, 12' deep on Sandstone**				
Sampled by:	JB	Date:	2-Dec-96	Time:	10:45
Analyzed by:	HR	Date:	2-Dec-96		
Sample Matrix:	Soil				

Laboratory Analysis

Parameter	Result	Detection Limit	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	408	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	<25	<25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	925	828 - 1024	mg/kg

Duplication

Laboratory Identification	(% RSD)	Limit (% RSD)
13064-6219	4.0	15.0

Approved by:

Date: 12/2/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	*Shawn Adams*	Date:	3-Dec-96
Company:	*Contract Environmental Services, Inc.*	*COC No.:*	*6219*
Address:	*P.O. Box 505*	*Sample No.*	*13064*
City, State:	*Kirtland, NM 87417*	*Job No.*	*2-1000*

Project Name:	***Chateau Oil & Gas - Clayton #1E***				
Project Location:	***CLAY-2000; Overflow Pit Bottom, 12' deep on Sandstone***				
Sampled by:	JB	Date:	2-Dec-96	Time:	10:45
Analyzed by:	DC/HR	Date:	3-Dec-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Gasoline Range Organics (C5 - C9)	5.2	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	8.2	mg/kg	5.0	mg/kg
TOTAL	13.4	mg/kg		

Quality Assurance Report

GRO QC No.: *0480-STD*

DRO QC No.: *0512-STD*

Calibration Check

Parameter	*Method Blank*	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Gasoline Range (C5 - C9)	<50	ppb	1,351	1,236	8.5	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	103	3.3	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Gasoline Range (C5-C9)	98	94	(70-130)	3	20%
Diesel Range (C10-C28)	117	110	(70-130)	4	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:

Date: 12/3/96

ANALYTICA
ENVIRONMENTAL LABORATORY

TOTAL PETROLEUM HYDROCARBONS
EPA Method 418.1

Snyder Oil Company

Project ID: Clayton 1 E
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 09/18/95
Date Sampled: 09/13/95
Date Received: 09/15/95
Date Extracted: 09/15/95
Date Analyzed: 09/15/95

Excavation #2 → old bottom sample

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Pit Bottom	1503	1,230	92.4
Landfarm (85)	1504	256	24.5
Landfarm (33)	1505	100	16.6
Landfarm (64)	1506	148	16.7

ND- Analyte not detected at the stated detection limit.

Reference: Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986; Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:

M. Wilkins
Analyst

Review

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

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: 11/7/94
Lab ID: *2189*
Sample No. *3873*
Job No. *2-1000*

Project Name: ***Synder Oil Corporation***
Project Location: ***CLA2A-100***
Sampled by: SA Date: 11/4/94 Time: 15:43
Analyzed by: DC Date: 11/7/94
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	*Sample Identification*	*Total Petroleum Hydrocarbons*
3873-2189	*Synder Oil Corporation* *CLA2A-100* – Land farm Clearance	86 *mg/kg*

Method - *EPA Method 418.1 Total Petroleum Hydrocarbons*

Approved by:
Date: 11/15/94

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

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

Operator: Chateau Oil & Gas (formerly Snyder Oil Corp) **Telephone:** 632 - 8056

Address: P.O. Box 2038, Farmington, NM 87499-2038

Facility Or: Clayton #1E - Excavation #3
Well Name

Location: Unit or Qtr/Qtr Sec Unit P Sec 02 T 30N R 12W County San Juan

Pit Type: Separator ___ Dehydrator X Other ___

Land Type: BLM ___, State ___, Fee X, Other ___

Pit Location: (Attach diagram)
Pit dimensions: length 15', width 15', depth 4'
Reference: wellhead X, other ___
Footage from reference: 71'
Direction from reference: 40 Degrees ___ East North X of X 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)	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)	10
	RANKING SCORE (TOTAL POINTS):	10

Date Remediation Started: 9/6/95 **Dated Completed:** 10/24/96

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 1000

Landfarmed X Insitu Bioremediation ___

Other _____

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

General Description Of Remedial Action: Contaminated soil from the pit was excavated to a depth of approx. 18'. Straw, manure, and fertilizer were added to the pit bottom to enhance the degradation of hydrocarbons in the bottom of pit. Excavated material was landfarmed on location. The landfarm and compost were tilled and sampled periodically until sufficient remediation levels were obtained. Landfarm material cleared on 10/24/96 (see attached lab data).

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 center, below compost and in compost.

Sample depth Bottom, 19ft

Sample date 7/12/96 Sample time 10:15 am

Sample Results

Compost Samples

I.D. #	TPH	Gas	Diesel (ppm)
Clay-500	389	n/d	n/d
Clay-501	949	5.3	n/d
Clay-502	368		
Clay-503	39		

n/d = non-detect

Benzene(ppm) non-detect

Total BTEX(ppm) 2.527

Field headspace(ppm) _____

TPH (418.1)= 378 ppm; 8015 mod. = Gas=20.9 ppm Diesel =7.5 ppm

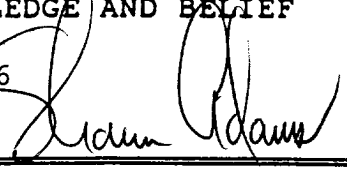
Landfarm Samples (ppm):

	Gas	Diesel
C-1	n/d	n/d
C-2	n/d	n/d
C-3	n/d	11.4

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 12/5/96

SIGNATURE 

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

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*Shawn Adams*	Date:	24-Jul-96
Company:	*Contract Environmental Services, Inc.*	*COC No.:*	*4202*
Address:	*P.O. Box 505*	*Sample No.*	*11502*
City, State:	*Kirtland, NM 87417*	*Job No.*	*2-1000*

Project Name:	***Snyder Oil Corporation - Clayton #1E***				
Project Location:	***CLAY-100; Below Compost***				
Sampled by:	SA	Date:	12-Jul-96	Time:	10:15
Analyzed by:	HR	Date:	23-Jul-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	<0.2	ug/kg	0.2	ug/kg
Toluene	43.8	ug/kg	0.2	ug/kg
Ethylbenzene	265.6	ug/kg	0.2	ug/kg
m,p-Xylene	1855.0	ug/kg	0.2	ug/kg
o-Xylene	362.5	ug/kg	0.2	ug/kg
TOTAL	2527.0	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 7/24/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TOTAL PETROLEUM HYDROCARBONS

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

Date: 15-Jul-96
COC No.: 4202
Sample No. 11502
Job No. 2-1000

Project Name: ***Snyder Oil Corporation - Clayton #1E***
Project Location: ***CLAY-100; Below Compost***
Sampled by: SA Date: 12-Jul-96 Time: 10:15
Analyzed by: HR Date: 15-Jul-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	*Result*	*Detection Limit*	*Unit of Measure*	*Method*
Total Petroleum Hydrocarbons, TPH	378	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	*Analyzed Value*	*Acceptable Range*	*Unit of Measure*
Laboratory Fortified Blank Soil - QCBS2	<25	<25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	938	828 - 1024	mg/kg

Duplication

Laboratory Identification	*(% RSD)*	*Limit (% RSD)*
11494-4202	<0.1	15.0

Approved by: JaC
Date: 7/15/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

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

Date: 25-Jul-96
COC No.: 4202
Sample No. 11502
Job No. 2-1000

Project Name: Snyder Oil Corporation - Clayton #1E
Project Location: CLAY-100; Below Compost
Sampled by: SA Date: 12-Jul-96 Time: 10:15
Analyzed by: HR Date: 25-Jul-96
Sample Matrix: Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	20.9	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	7.5	mg/kg	5.0	mg/kg
TOTAL	28.4	mg/kg		

Quality Assurance Report

GRO QC No.: 0467-STD
DRO QC No.: 0479-STD

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,186	12.2	15%
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,931	3.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	102	109	(70-130)	5	20%
Diesel Range (C10-C28)	111	121	(70-130)	6	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:
Date: 7/26/96

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

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: 24-May-96
COC No.: 4025
Sample No. 10997
Job No. 2-1000

Project Name: ***Snyder Oil Corporation - Clayton 1E***
Project Location: ***CLAY-500; Compost Pile, Center West 2'***
Sampled by: SA Date: 23-May-96 Time: 10:30
Analyzed by: BV Date: 23-May-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	*Result*	*Detection Limit*	*Unit of Measure*	*Method*
Total Petroleum Hydrocarbons, TPH	389	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	*Analyzed Value*	*Acceptable Range*	*Unit of Measure*
Laboratory Fortified Blank Soil - QCBS2	<25	<25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	875	828 - 1024	mg/kg

Duplication

Laboratory Identification	*(% RSD)*	*Limit (% RSD)*
10990-4025	2.8	15.0

Approved by:
Date: 5/24/96

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-5667

TPH - Gasoline / Diesel Range Organics

Attn:	Shawn Adams	Date:	3-Jun-96
Company:	Contract Environmental Services, Inc.	COC No.:	4025
Address:	P.O. Box 505	Sample No.	10997
City, State:	Kirtland, NM 87417	Job No.	2-1000

Project Name:	Snyder Oil Corporation - Clayton 1E				
Project Location:	CLAY-500, Compost Pile, Center West 2'				
Sampled by:	SA	Date:	23-May-96	Time:	10:30
Analyzed by:	HR	Date:	31-May-96		
Sample Matrix:	Soil				

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	<5.0	mg/kg		

Quality Assurance Report

GRO QC No.: 0461-STD

DRO QC No.: 0475-STD

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,176	12.9	15%
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,802	9.9	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	91	89	(70-130)	2	20%
Diesel Range (C10-C28)	97	99	(70-130)	2	20%

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:

Date: 6/3/96

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

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: 24-May-96
COC No.: 4025
Sample No. 10998
Job No. 2-1000

Project Name: ***Snyder Oil Corporation - Clayton 1E***
Project Location: ***CLAY-501; Compost Pile, Center West 5'***
Sampled by: SA Date: 23-May-96 Time: 10:30
Analyzed by: BV Date: 23-May-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	*Result*	*Detection Limit*	*Unit of Measure*	*Method*
Total Petroleum Hydrocarbons, TPH	949	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	*Analyzed Value*	*Acceptable Range*	*Unit of Measure*
Laboratory Fortified Blank Soil - QCBS2	<25	<25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	875	828 - 1024	mg/kg

Duplication

Laboratory Identification	*(% RSD)*	*Limit (% RSD)*
10990-4025	2.8	15.0

Approved by: DaG
Date: 5/24/96

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-5667

TPH - Gasoline / Diesel Range Organics

Attn:	Shawn Adams	Date:	3-Jun-96
Company:	Contract Environmental Services, Inc.	COC No.:	4025
Address:	P.O. Box 505	Sample No.	10998
City, State:	Kirtland, NM 87417	Job No.	2-1000

Project Name:	Snyder Oil Corporation - Clayton 1E				
Project Location:	CLAY-501, Compost Pile, Center West 5'				
Sampled by:	SA	Date:	23-May-96	Time:	10:30
Analyzed by:	HR	Date:	31-May-96		
Sample Matrix:	Soil				

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	5.3	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	5.3	mg/kg		

Quality Assurance Report

GRO QC No.: 0461-STD

DRO QC No.: 0475-STD

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,176	12.9	15%
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,802	9.9	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	91	89	(70-130)	2	20%
Diesel Range (C10-C28)	97	99	(70-130)	2	20%

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: [signature]

Date: 6/3/96

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

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: 24-May-96
COC No.: 4025
Sample No. 10999
Job No. 2-1000

Project Name: ***Snyder Oil Corporation - Clayton 1E***
Project Location: ***CLAY-502; Compost Pile, Center East 2'***
Sampled by: SA Date: 23-May-96 Time: 10:30
Analyzed by: BV Date: 23-May-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Detection Limit	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	368	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	<25	<25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	875	828 - 1024	mg/kg

Duplication

Laboratory Identification	(% RSD)	Limit (% RSD)
10990-4025	2.8	15.0

Approved by: JK
Date: 5/24/96

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

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: 24-May-96
COC No.: 4025
Sample No. 11000
Job No. 2-1000

Project Name: ***Snyder Oil Corporation - Clayton 1E***
Project Location: ***CLAY-503; Compost Pile, Center East 5'***
Sampled by: SA Date: 23-May-96 Time: 10:30
Analyzed by: BV Date: 23-May-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	*Result*	*Detection Limit*	*Unit of Measure*	*Method*
Total Petroleum Hydrocarbons, TPH	39	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	*Analyzed Value*	*Acceptable Range*	*Unit of Measure*
Laboratory Fortified Blank Soil - QCBS2	<25	<25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	875	828 - 1024	mg/kg

Duplication

Laboratory Identification	*(% RSD)*	*Limit (% RSD)*
10990-4025	2.8	15.0

Approved by: JCC
Date: 5/24/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	Shawn Adams	Date:	30-Oct-96
Company:	Contract Environmental Services, Inc.	COC No.:	6162
Address:	P.O. Box 505	Sample No.	12710
City, State:	Kirtland, NM 87417	Job No.	2-1000

Project Name:	Snyder Oil Corporation - Clayton 1E				
Project Location:	C-1; Soil Farm Center				
Sampled by:	SA/CM	Date:	24-Oct-96	Time:	12:00
Analyzed by:	DC/HR	Date:	30-Oct-96		
Sample Matrix:	Soil				

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	<5.0	mg/kg		

Quality Assurance Report

GRO QC No.: 0493-STD

DRO QC No.: 0489-STD

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,326	1.8	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	101	1.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	107	103	(70-130)	3	20%
Diesel Range (C10-C28)	110	97	(70-130)	9	20%

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:

Date: 10/30/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

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

Date: 30-Oct-96
COC No.: *6162*
Sample No. *12711*
Job No. *2-1000*

Project Name: ***Snyder Oil Corporation - Clayton 1E***
Project Location: ***C-2; Soil Farm East***
Sampled by: SA/CM Date: 24-Oct-96 Time: 12:00
Analyzed by: DC/HR Date: 30-Oct-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	<5.0	mg/kg		

Quality Assurance Report

GRO QC No.: *0493-STD*
DRO QC No.: *0489-STD*

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,326	1.8	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	101	1.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	107	103	(70-130)	3	20%
Diesel Range (C10-C28)	110	97	(70-130)	9	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:
Date: 10/30/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

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

Date: 30-Oct-96
COC No.: *6162*
Sample No. *12712*
Job No. *2-1000*

Project Name: ***Snyder Oil Corporation - Clayton 1E***
Project Location: ***C-3; Soil Farm West***
Sampled by: SA/CM Date: 24-Oct-96 Time: 12:00
Analyzed by: DC/HR Date: 30-Oct-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	11.4	mg/kg	5.0	mg/kg
TOTAL	11.4	mg/kg		

Quality Assurance Report

GRO QC No.: *0493-STD*
DRO QC No.: *0489-STD*

Calibration Check

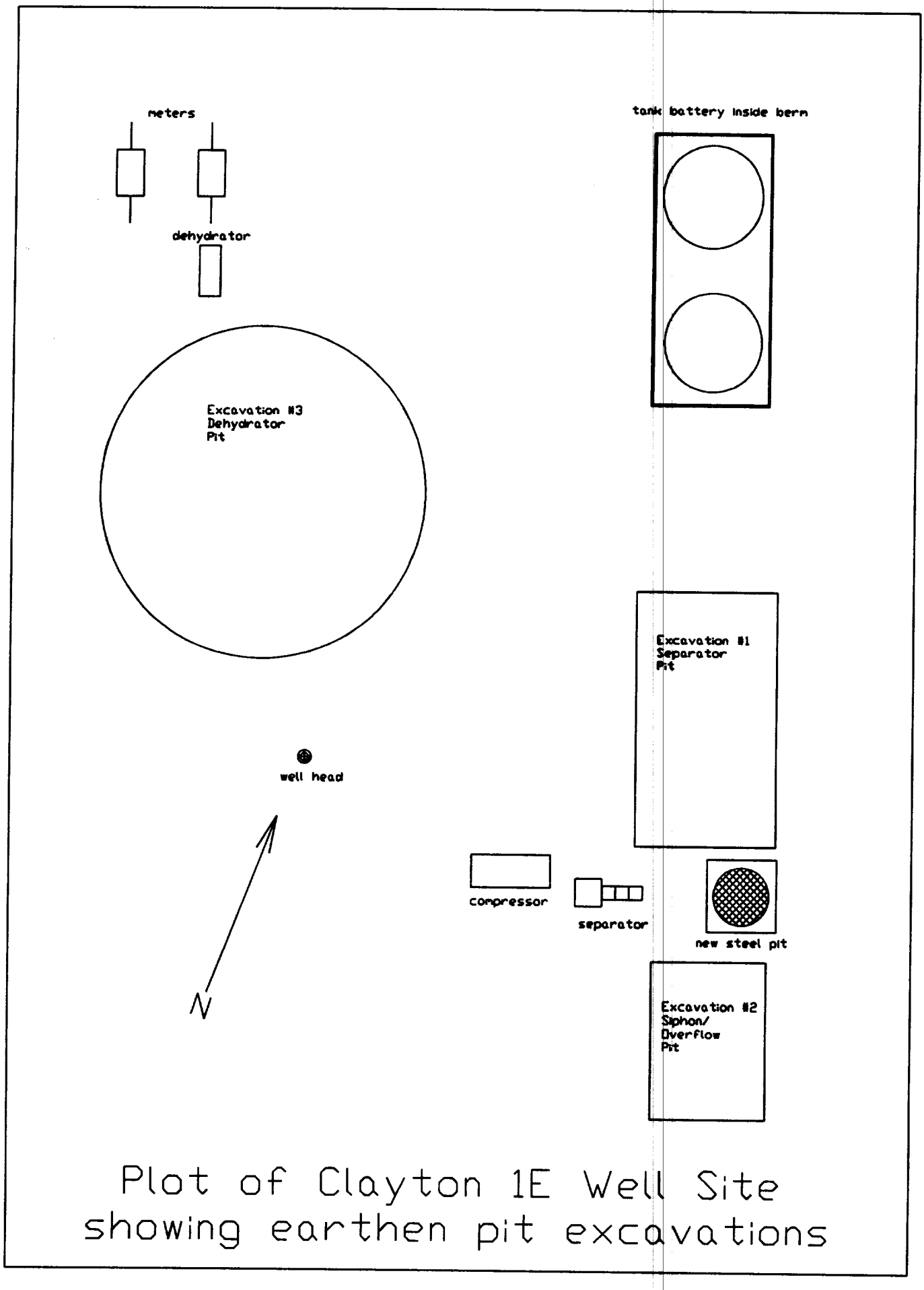
Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,326	1.8	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	101	1.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	107	103	(70-130)	3	20%
Diesel Range (C10-C28)	110	97	(70-130)	9	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

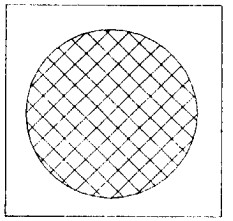
Approved by:
Date: 10/30/96



Plot of Clayton 1E Well Site
showing earthen pit excavations

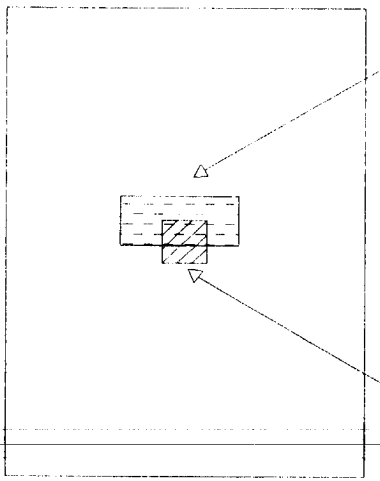
compressor

separator



new steel pit

Excavation #2
Siphon/
Overflow
Pit



New sample at 12' in test pit
from 12/2/96 on sandstone

Old sample at 12'
from 9/13/95 on sandstone

Plot of Clayton 1E Excav. #2 showing sampling sites.