

LOCATION: SAN JUAN 28-7 # 103

RCRA EXEMPT

PIT TYPE: TDP (ACTIVE) S-3, T-27N, R-7W, Unit-A WASTES: Yes ☐ No ☐WASTE FLOW TO PIT STOPPED: 8/95TYPE REPLACEMENT PIT: ☐ NONE ☐ BACKFILLED - BELOW GROUND ☒ ABOVE GROUND

ACREAGE

TYPE: ☒ FEDERAL ☐ JICARILLA ☐ NAVAHO ☐ STATE ☐ FEESITE ASSESSMENT

- 1) Groundwater Depth: ESTIMATE 50-99' Ranking Score 10
Basis: ELEVATION FROM WASH
- 2) Wellhead Protection Area:
Distance To
Water Sources: >1000' Private Domestic Water Sources: >200'
Basis: NO PRIVATE OR DOMESTIC WTR SOURCES IN VICINITY 0
- 3) Distance To Surface Body of Water: >1000'
Basis: NO SURFACE WTR IN VICINITY 0
- Total Score: 10

Soil Characteristic

☐ Highly Contaminated/Saturated☒ Unsaturated ContaminatedRANKING CRITERIA

Depth to Groundwater	Wellhead Protection Area	Distance to Surface Water Body
	<1000' from water source or <200' from private domestic water source	
Score	Score	Rank
<50 ft 20	yes 20	<200' horiz 20
<50 - 99 10	no 0	200 - 1000' horiz 10
>100 ft 0		>1000' horiz 0

GUIDELINE REMEDIATION LEVELS

Total Ranking Score			
	>19	10-19	0-9
Benzene (ppm)	10	10	10
BTEX (ppm)	50	50	50
Field Headspace			
Method for BTEX	100	100	100
TPH (ppm) **	100	1,000	5,000

** Concentration above background

DEFINITION OF CONTAMINATIONDate: 8/7/95Depth Excavated: 11' BGSFull Excavation: ☒ Maximum Extent Practicable Extent of Backhoe

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLE RESULTS NOTES" FORM

Groundwater Encountered: Yes ☐ No ☒

If yes, approximate depth: _____

Groundwater Sampling? ☐ Yes ☒ No

Where was gw sample taken? _____

Attach GW Sample Results _____

NOTES:

Denny L. Faust
DEPUTY OIL & GAS INSPECTOR

AUG 11 8 1996

*Approved*RECEIVED
MAR 18 1996OIL CON. DIV.
DIST. 3

REMEDIATION PROFILESoil Treated Onsite ☒Date Remediation Started: 8/7/95☐ In Situ Bio☐ w/vapor venting☒ Landfarmed☐ Composted

	Date: <u>8/8/95</u>		Date: _____	
	Description	Amount/Rate	Description	Amount/Rate
Tilled				
Nutrients	<u>34-0-0 Fertilizer</u>	<u>6 lbs</u>		
Moisture				
Bulking Agent				
Organic Material				

	Date: _____		Date: _____	
	Description	Amount/Rate	Description	Amount/Rate
Tilled				
Nutrients				
Moisture				
Bulking Agent				
Organic Material				

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLING RESULTS NOTES" FORM

SOIL TREATED/HANDLED OFFSITE**TO SITE (ATTACH MANIFEST)**

Where Treated: _____

Type of Land (Fed/Nav/Jic/State/Fee): _____

Quantity Moved: _____

Quantity Disposed At Envirotech: _____

FROM SITE (ATTACH MANIFEST)

To This Location From: _____

Type of Land (Fed/Nav/Jic/State/Fee): _____

Quantity Moved: _____

FINAL CLOSUREBTEX: 1.8 ppm (From Headspace Analysis)TPH: ND ppm (From Lab Results)

Revegetated:

yes ☐no ☒

Active Well or Facility Pad:

yes ☒no ☐NOTES: 8/7/95 - Excavated to 11' BGS w/ backhoeLandfarmed excavated contaminated soil, treated w/ 6 lbs of 34-0-0Took 5 pt. Composite sample of excavated area (4 grabs from sidewalls & 1 grab @ center of pit bottom @ 11' BGS; OVM = 3.9 ppm @ 76°Sent TDP Area comp. sample to lab for TPHTook 5 pt Comp of landfarmed soil; OVM = 115.1 ppm @ 75°

NOTES: TDP:

8/16/95 Took 5 pt. Composite Sample of Landformed

Soil; OVM=19.4 ppm @ 72". Sent LandForm Sample to Lab for TPH.

2/15/96 - SAMPLED LF, OVA; TPH LEVELS BELOW
REQUIREMENTS, CLOSED P.T.

IT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES *Conoco Inc.*

LOCATION OF PIT San Juan 28-7 #103 TYPE OF PIT: TOP

DESCRIPTION OF SAMPLE	SAMPLE EVENT # 1	SAMPLE EVENT # 2	SAMPLE EVENT # 3	SAMPLE EVENT # 4	SAMPLE EVENT # 5	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	7/10/95	8/7/95	8/7/95	8/16/95	2/15/96			
LOCATION OF SAMPLE	TOP	TOP	TOP	TOP	TOP			
TYPE OF SAMPLE:	Grab	15ft Composite	TOP 5ft Composite	TOP 5ft Composite	TOP 5ft Composite			
DEPTH OF SAMPLE(S)	10'-12'	11' BGS	Landfill	Landfill	0-6"			
TEMPERATURE OF SAMPLE	71°	76°	75°	72°	75°			
D METHOD RESULTS (PPMS)								
TPH VAPORS (EQUIV UNITS)	2.3 ppm	3.9 ppm	115.1	19.4	ND			
BENZENE RESPONSE FACTOR	.47	.47	.47	.47	.47			
ADJUSTED FOR BENZENE EQUIV UNITS	1.0	1.8	54	9.1	—			
RESULTS IN PPM:								
METHOD (418.1 OR MOD 8018)		418.1		418.1	418.1			
TPH		ND		630	263			
NOTES	Confirmation @ Surface soft & moist stained	Took 5ft Comp Sample of Excavated TOP, 4' side walls 1' to bottom 11" Sent to Lab	Comp. Sample of landform soil from TOP	Took Sample of excavated LF soil. Sent to lab for TPH.	Sample For TPH			

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

Project: Backhoe and hand grab
Matrix: Soil
Condition: Intact/Cool

Date Reported: 08/11/95
Date Sampled: 08/08/95
Date Received: 08/09/95
Date Extracted: 08/10/95
Date Analyzed: 08/11/95

Sample ID	Lab ID	Result (mg/kg)	Detection Limit (mg/kg)
SJ 28-7 #71 TDP (BRSS)	G01351	5,090	198
SJ 28-7 #103 TDP	G01352	ND	20
SJ 28-7 #71 BPR (BRSS)	G01353	320	20
SJ 28-7 #131 TDP	G01354	ND	18
SJ 28-7 #131 BDP (BRSS)	G01355	24.6	20
SJ 28-7 #131 DHP (BRSS)	G01356	2,690	100
SJ 28-7 #224 BPR (BRSS)	G01357	179	19
SJ 28-7 #224 TDP	G01358	ND	20
SJ 28-7 #134 LF-BPR	G01359	ND	19

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst:

dnna schauer

Reviewed:

mk

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

Project: Backhoe/hand grab
Matrix: Soil
Condition: Intact/Cool

Date Reported: 08/18/95
Date Sampled: 08/16/95
Date Received: 08/17/95
Date Extracted: 08/18/95
Date Analyzed: 08/18/95

28-7 #79 BDP/BPR	G01407	ND	19
28-7 #103 LF-TDP	G01408	630	19

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst: Anna Schaefer

Reviewed: TH

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1Conoco Inc.Project: Soil TPH
Matrix: Soil
Condition: Intact/CoolDate Reported: 02/23/96
Date Sampled: 02/15-16/96
Date Received: 02/16/96
Date Extracted: 02/22/96
Date Analyzed: 02/23/96

Sample ID	Lab ID	Result (mg/kg)	Detection Limit (mg/kg)
SJ 28-7 187E LF	G00224	ND	20
SJ 28-7 72 LF	G00225	230	20
SJ 28-7 79 LF	G00226	ND	19
SJ 28-7 103 LF	G00227	263	19
SJ 28-7 71 TDP LF	G00228	24.6	20
SJ 28-7 71 DHP LF	G00229	1,650	98
SJ 28-7 131 LF	G00230	ND	19
SJ 28-7 236 TDP LF	G00231	ND	19
SJ 28-7 236 BRP LF	G00232	ND	20
SJ 28-7 236 SEP LF	G00233	91.0	19

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.Analyst: AKReviewed: SB

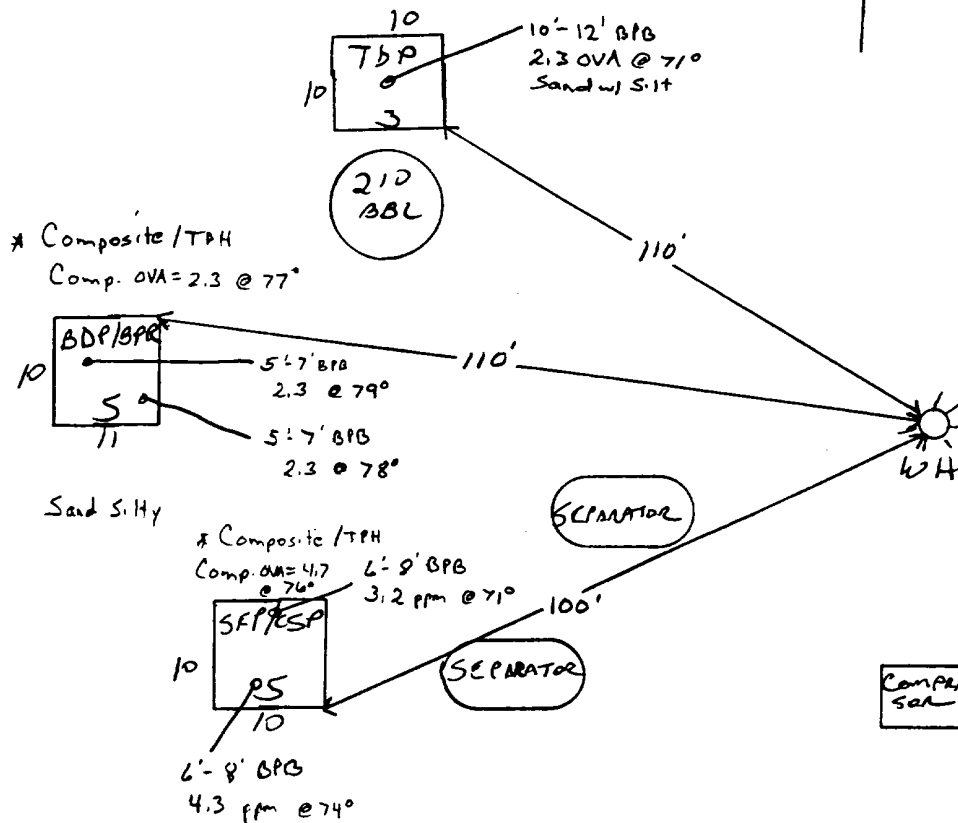
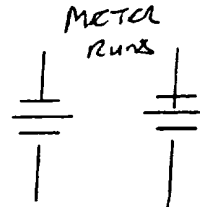
PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #1

WELL LOCATION: SAN JUAN 28-7 #103 S 3 T 27N R 7W UNIT A

DATE STARTED: 7/10/95

DATE COMPLETED: _____

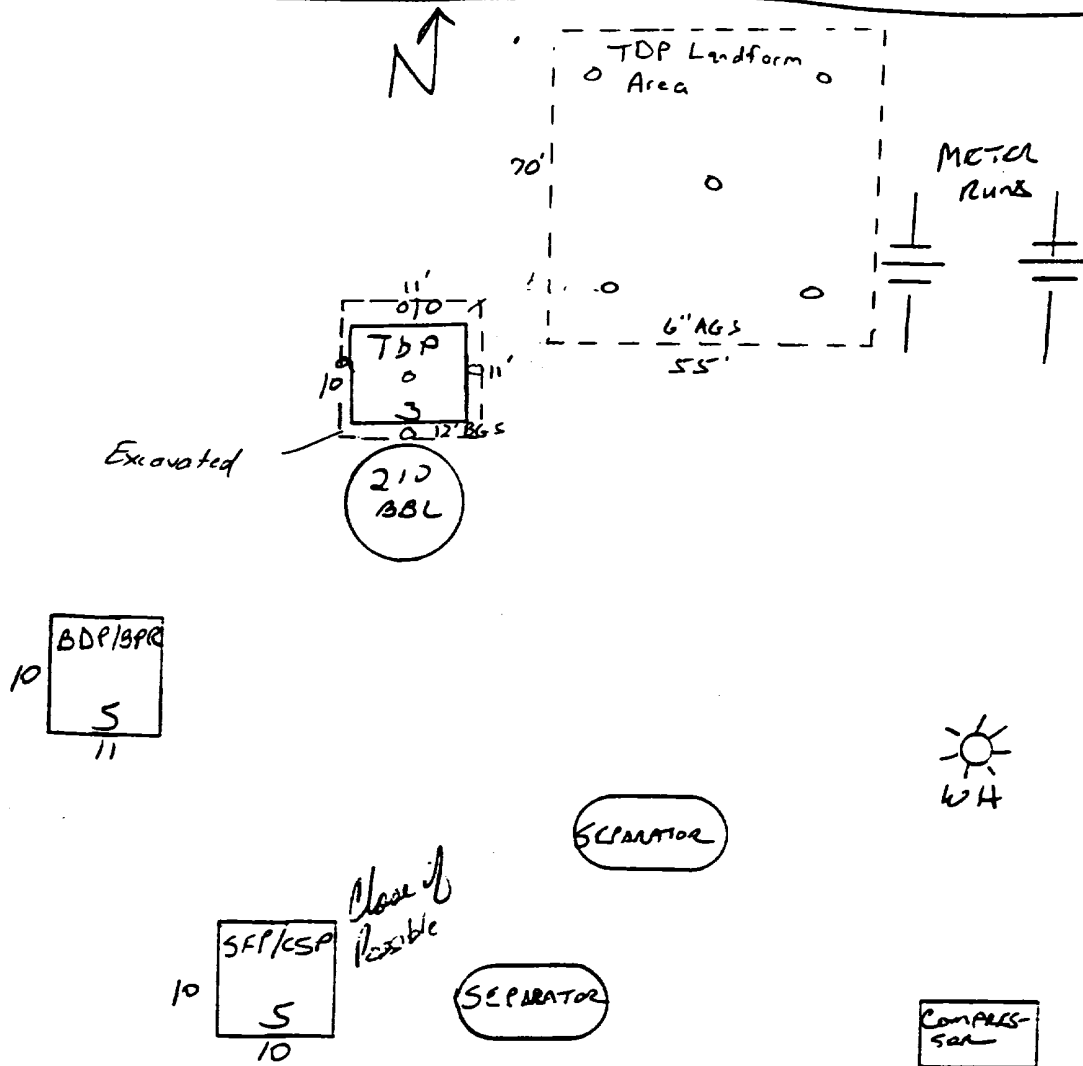
Conoco Inc



- o SOIL SAMPLE LOCATION
- A BACKGROUND SAMPLE LOCATION

WELL LOCATION: San Juan 28-7 #103 S 3 T 27N R 7W UNIT A
 DATE STARTED: 8/7/95 DATE COMPLETED: _____

Remediation/Excavation Data



o SOIL SAMPLE LOCATION

Δ BACKGROUND SAMPLE LOCATION