

SAN JUAN BASIN *Conoco Inc.*

PIT CLOSURE DOCUMENTATION

LOCATION: SAN JUAN 28-7 #47RCRA EXEMPT
WASTES:Yes ☒ No ☐PIT TYPE: SEPS-20, T-28N, R-7W, Unit-A) FLOW TO PIT STOPPED: 7/28/95TYPE REPLACEMENT PIT: ☒ NONE ☐ BACKFILLED - BELOW GROUND ☒ ABOVE GROUND

ACREAGE

TYPE: ☒ FEDERAL ☐ JICARILLA ☐ NAVAHO ☐ STATE ☐ FEE

SITE ASSESSMENT

1) Groundwater Depth: ESTIMATE 50-99

Ranking Score

Basis: ELEVATION FROM ACTIVE WASH10

2) Wellhead Protection Area:

Distance To

Water Sources: > 1000'Private Domestic Water Sources: > 200'Basis: NO PRIVATE OR DOMESTIC WTR SOURCE IN VICINITY03) Distance To Surface Body of Water: > 1000'Basis: NO SURFACE WTR IN VICINITY (DELAGADITA WASH)0

Total Score:

10

Soil Characteristic

☐ Highly Contaminated/Saturated☒ Unsaturated Contaminated

RANKING CRITERIA

GUIDELINE REMEDIATION LEVELS

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

Total Ranking Score			
	>19	10-19	0-9
Benzenes (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 CONTAMINATION

Date: 7/28/95Depth Excavated: 11' BGSFull Excavation: ☒ Maximum Extent Practicable 11' BGS Landfilled

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. Frost
DEPUTY OIL & GAS INSPECTOR

JUN 18 1996

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

REMEDIATION PROFILE

Soil Treated Onsite



Date Remediation Started: 7/28/95

☐ In Situ Bio

☐ w/vapor venting

☒ Landfarmed

☐ Composted

	Date: 7/28/95		Date:	
	Description	Amount/Rate	Description	Amount/Rate
Tilled				
Nutrients	25-5-10 Fert. to landfarm	6.5 lbs		
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 CLOSURE

BTEX: 1.4 ppm (From Headspace Analysis)

TPH: ND ppm (From Lab Results)

Revegetated:

yes ☐

no ☒

Active Well or Facility Pad:

yes ☒

no ☐

NOTES: 7/28/95 Excavated SEP @ 10x10x11' BGS. Took 5+ Comp. Sample @ 11' BGS

4 grabs from side walls & 1 @ bottom center: OVM = 2.9 ppm @ 74"; Sample Sent to lab for TPH

Landfarmed 700 Ft³ of excavated soil. Added 6.5 lbs of 25-5-10 Fertilizer to Landfarmed Soil

Took 6 pt Composite Sample of landfarmed soil: OVM = 289.7 ppm @ 77"

No Stain/Moderate odor, sand w/ silt

NOTES: 7/29/95 // Soil turned & aerated w/ box blade

8/4/95 Soil Aerated & turned w/ box blade

8/15/95 6 pt. Composite Sample of landformed soil was
taken; OVM = 0.9 ppm @ 75°

Sent Landformed soil to lab for TPH

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

Conoco Inc.

LOCATION OF PIT

San Juan 28-7 #47

TYPE OF PIT:

SEP

DESCRIPTION OF SAMPLE	SAMPLE EVENT # 1	SAMPLE EVENT # 2	SAMPLE EVENT # 3	SAMPLE EVENT # 4	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	6/15/95	7/28/95	7/28/95	8/15/95				
LOCATION OF SAMPLE	SEP	SEP	SEP Landfill	SEP Landfill				
TYPE OF SAMPLE: (GRAB/COMPOSITE)	Grab	5+ Composite	6pt Composite	6pt Composite				
DEPTH OF SAMPLE(S)	10'-12'	11' BGS	Landfill	Landfill				
TEMPERATURE OF SAMPLE	72°	74°	77°	75°				
FIELD METHOD RESULTS (PPMS)								
TPH VAPORS (EQUIV UNITS)	1.3 ppm	2.9 ppm	289.7 ppm	0.9 ppm				
BENZENE RESPONSE FACTOR	.47	.47	.47	.47				
ADJUSTED FOR BENZENE EQUIV UNITS	0.6	1.4	136	0.4				
LAB RESULTS IN PPM: METHOD (418.1 OR MOD 8015)		418.1		418.1				
TPH		ND		ND				
NOTES	1" thick sand stone layer @ 10.5'	Excavated Contaminated Soil in Landfill SEP	Treated Landfilled Soil from SEP	Monitoring Landfilled Soil Sent Sample to lab for TPH				

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

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

Date Reported: 08/08/95
Date Sampled: 07/28/95
Date Received: 07/31/95
Date Extracted: 08/02/95
Date Analyzed: 08/02/95

28-7 #47 SEP	G01274	ND	20
28-7 #134 BPR	G01275	ND	20

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:

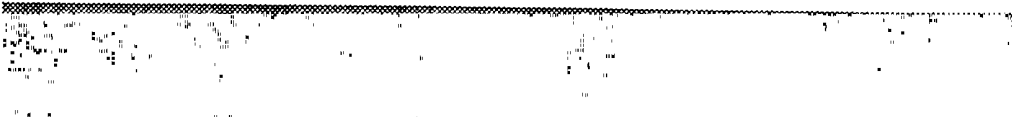
Chris Keller

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

Project: Soil TPH
Matrix: Soil
Condition: Intact/Cool

Date Reported: 08/18/95
Date Sampled: 08/15/95
Date Received: 08/15/95
Date Extracted: 08/18/95
Date Analyzed: 08/18/95

				
28-7 #225 LF-BPR	G01393	ND	19	
28-7 #47 LF-SEP	G01394	ND	20	

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:

mx

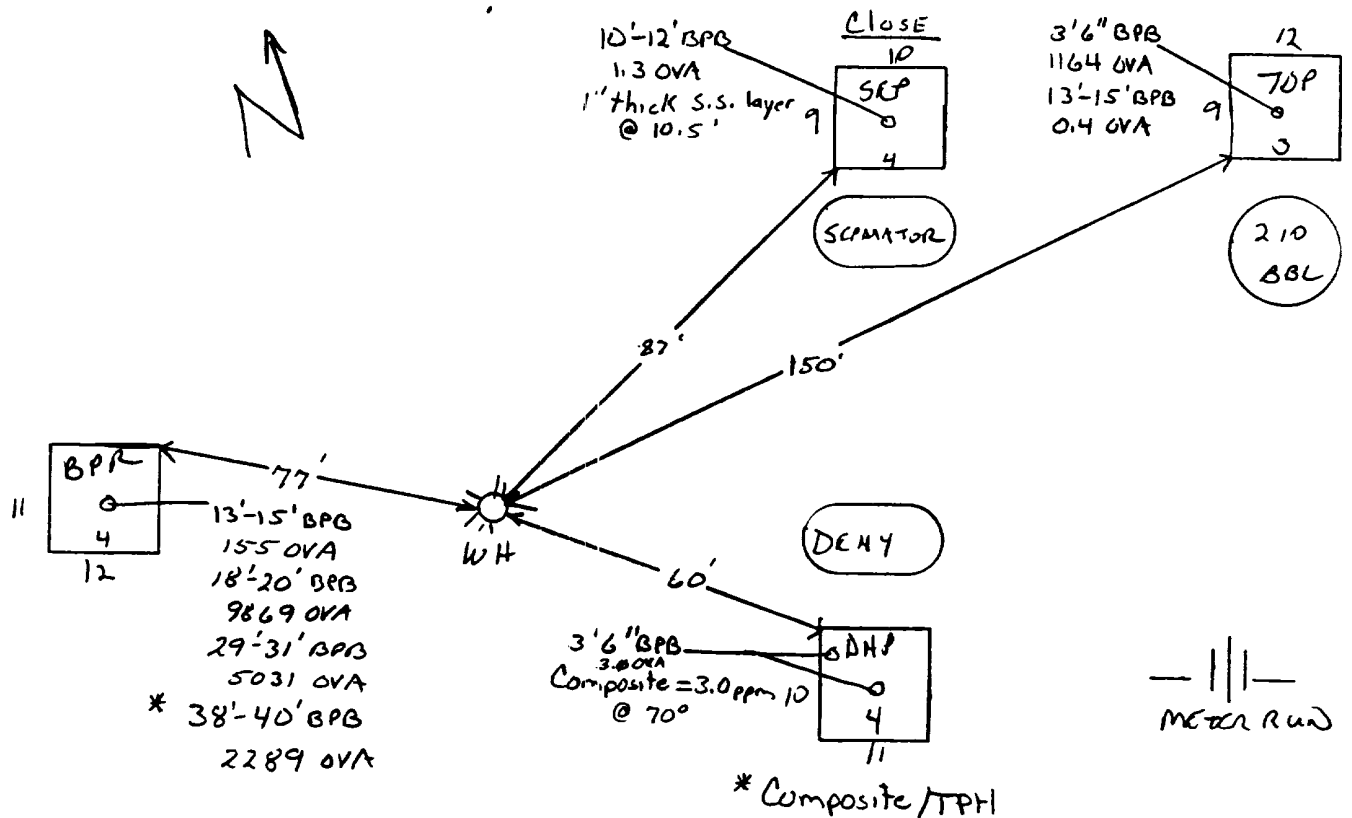
PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #1

WELL LOCATION: SAN JUAN 29-7 #47 S20 T28N R74 UNIT A

DATE STARTED: 6/15/95

DATE COMPLETED: _____

Conoco Inc.



o SOIL SAMPLE LOCATION

Δ BACKGROUND SAMPLE LOCATION

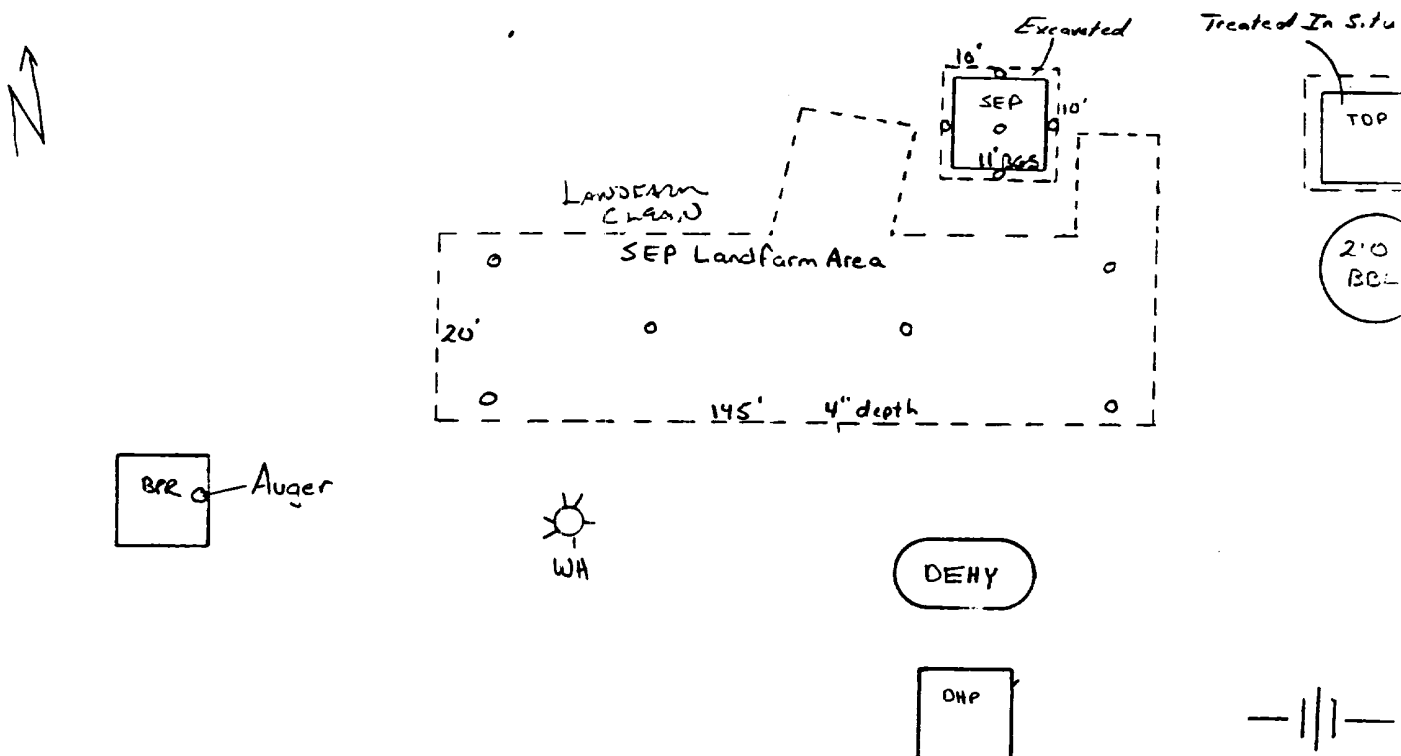
PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #2

WELL LOCATION: San Juan 28-7 #47 S 20 T 28N R 7W UNIT A

DATE STARTED: _____

DATE COMPLETED: _____

Remediation/Excavation Data



o SOIL SAMPLE LOCATION

A BACKGROUND SAMPLE LOCATION