

LOCATION: San Juan 28-7#94, S-30, T-24N, R-7W, Unit - NRCRA EXEMPT
WASTES:Yes ☒ No ☐PIT TYPE: SEP/BDPDATE FLOW TO PIT STOPPED: 7/21/95TYPE REPLACEMENT PIT: ☐ NONE ☐ BACKFILLED - BELOW GROUND ☒ ABOVE GROUND

ACREAGE

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

SITE ASSESSMENT

- 1) Groundwater Depth: ESTIMATE < 50' Ranking Score 20
Basis: ELEVATION FROM WASH
- 2) Wellhead Protection Area: Distance To Water Sources: > 1000' Private Domestic Water Sources: > 200'
Basis: CERRAZA WASH DOMESTIC USE ± 750' Ranking Score 20
- 3) Distance To Surface Body of Water: 200 - 1000'
Basis: CERRAZA WASH (ACTIVE) APPROX. 750' NW OF LOC. Ranking Score 10
- Total Score: 50

Soil Characteristic

☐ Highly Contaminated/Saturated☒ Unsaturated Contaminated

RANKING 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)	30	30	30
Field Headspace			
Method for BTEX	100	100	100
TPH (ppm) **	100	1,000	5,000

** Concentration above background

DEFINITION OF CONTAMINATION

Date: 7/21/95Depth Excavated: 14' BGSFull Excavation: ☒ Maximum Extent Practicable 14' BGS

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

JUN 11 8 1996

Approved

RECEIVED
MAR 18 1996

OIL CON. DIV.
DIST. 3

REMEDIATION PROFILE

Soil Treated Onsite



Date Remediation Started: 7/21/95

☐ In Situ Bio

☐ w/vapor venting

☒ Landfarmed

☐ Composted

	Date: 7/21/95		Date:	
	Description	Amount/Rate	Description	Amount/Rate
Tilled				
Nutrients	25-5-10 Fertilizer	~14.5 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: 25.1 ppm (From Headspace Analysis)

TPH: ND ppm (From Lab Results)

Revegetated:

yes



no



Active Well or Facility Pad:

yes



no



NOTES: 7/21/95 - Backhoe to 12' BG-S Took a center of pit grab sample = 208 ppm

- Backhoe to 14' BG-S took center pit sample = 641 ppm

- 5 pt. Composite from 4 side walls @ 14' BG-S & @ bottom center of pit = 53.3 ppm @ 75'

- Sent Composite Sample to lab for TPH Analysis

- Landfarmed 17,500 ft³ @ 80x125x140 x 6" high, 9 pt Comp OVM = 232 ppm @ 74'

- Fertilized 25-5-10 land-farmed area w ~14.5 lbs of Fert

- In Situ Fertilized Pit bottom @ 14' BG-S w/ ~1 lb of 25-5-10

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

Conoco Inc.

LOCATION OF PIT

S. 3. 28-7 # 94

TYPE OF PIT:

SEP/BDP

DESCRIPTION OF SAMPLE	SAMPLE EVENT # 1	SAMPLE EVENT # 2	SAMPLE EVENT # 3	SAMPLE EVENT # 4	SAMPLE EVENT # 5	SAMPLE EVENT # 6	SAMPLE EVENT # 7	SAMPLE EVENT # 8
DATE OF SAMPLE	6/8/95	6/8/95	6/8/95	7/21/95	7/21/95	7/24/95	7/27/95	8/1/95
LOCATION OF SAMPLE TYPE OF SAMPLE: (GRAB/COMPOSITE)	SEP/BDP Grab	SEP/BDP Grab	SEP/BDP Grab	SEP/BDP 15pt. Composite	Landfarm 4pt Composite	Landfarm 4pt. Composite	Landfarm 4pt. Composite	Landfarm 4pt Composite
DEPTH OF SAMPLE(S)	3'-4'	6'-8'	11'-13'	14' BG-5	Landfarm	Landfarm	Landfarm	Landfarm
TEMPERATURE OF SAMPLE	68°	74°	71°	75°	74°	76°	73°	76°
FIELD METHOD RESULTS (PPMS)								
TPH VAPORS (EQUIV UNITS)	911 ppm	591 ppm	72.1 ppm	53.3 ppm	232 ppm	29.4 ppm	43.3 ppm	0.9 ppm
BENZENE RESPONSE FACTOR	.47	.47	.47	.47	.47	.47	.47	.47
ADJUSTED FOR BENZENE EQUIV UNITS	428	28	34	30.1	109.0	13.8	20.4	0.4
LAB RESULTS IN PPM: METHOD (418.1 OR MOD 8016)				418.1				418.1
TPH				NO				NO
NOTES	Hand Agar Bore in Ctr. of Pit Strong odor	Geoprobe sample taken beyond Hand Agar's limits	Auto Bore no odor & no stain	Excavated w/ backhoe to 14' BG-5 Composite taken from 4 sidewall grabs & 1 @ bottom center	Excavated landfarm Soil.			Excavated landfarm Soil. Treated & turned over past with Sent Sample to Lab for TPH

NOTES:

SEP/BDP 3

7/24/95 Took 9 pt Composite Sample from Landformed Area; OVM = 29.4 ppm @ 76"

7/25/95 Took 9 pt Comp Sample from Landformed Area; OVM = 16.7 ppm @ 78"

7/27/95 9 pt. Composite Sample from Landformed Soil; OVM = 43.3 ppm @ 72"

7/29/95 Landformed Soil turned & aerated w/ box blade

8/1/95 9 pt. Composite Sample from Landformed Soil; OVM = 0.9 ppm @ 72"

Sample sent to lab for TPH

7/31/95 Received TPH Results from lab (TPH = NO ppm)

8/10/95 Received TPH Results from landformed soil (TPH = N)

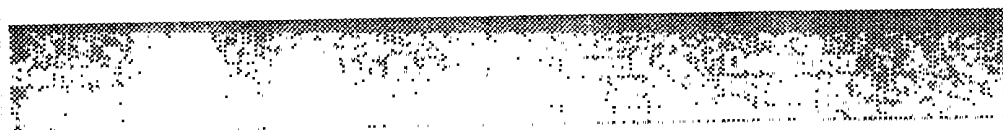
8/11/95 Backfilled filled pit, mounded and closed pit.

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

Project: Backhoe and Hand Grab Soil
Matrix: Soil
Condition: Intact/Cool

Date Reported: 07/31/95
Date Sampled: 07/21/95
Date Received: 07/24/95
Date Extracted: 07/28/95
Date Analyzed: 07/28/95



S J 28-7 #94 TDP	G01215	ND	20
S J 28-7 #94 SEP/BDP	G01216	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: Anna Schaefer

Reviewed: mk

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

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

Date Reported: 08/10/95
Date Sampled: 7/31-8/1/95
Date Received: 08/02/95
Date Extracted: 08/09/95
Date Analyzed: 08/10/95

Sample ID	Lab ID	Result (mg/kg)	Detection Limit (mg/kg)
SJ 28-7 #94 LF-TDP	G01289	ND	20
SJ 28-7 #94 LF-BPR	G01290	ND	20
SJ 28-7 #134 TDP	G01291	ND	19
SJ 28-7 #225 BPR	G01292	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: Anna Schaefer

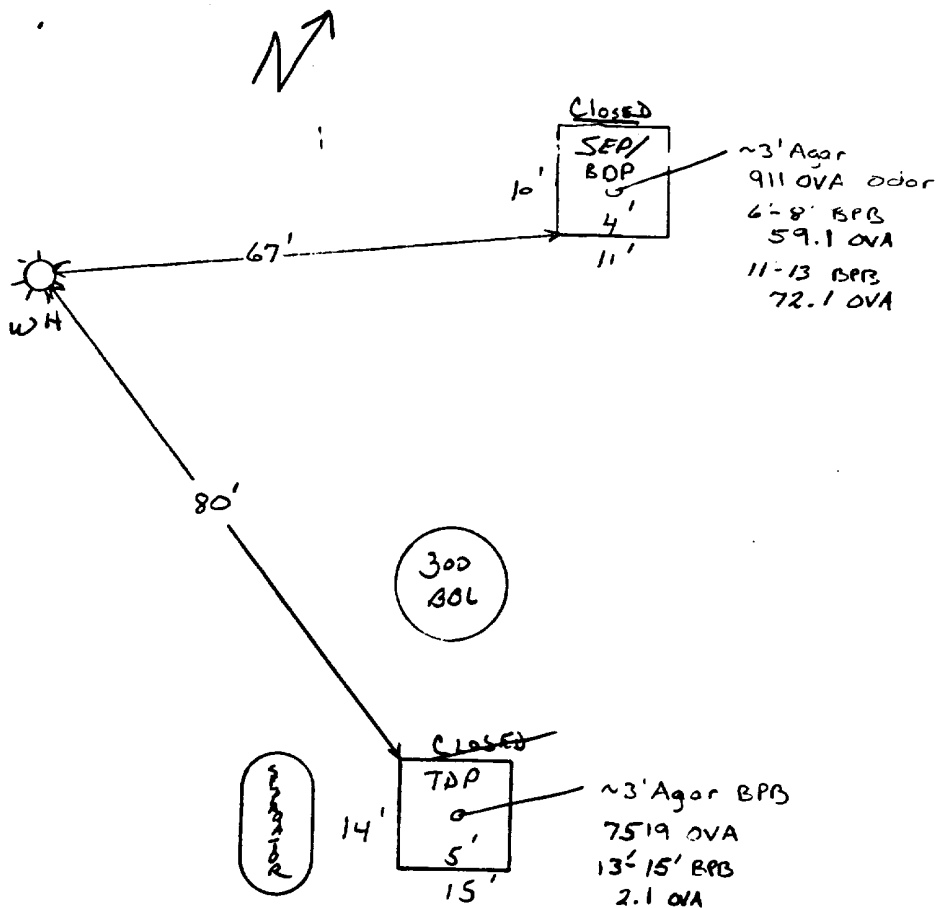
Reviewed: CSH/LLC

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #1

WELL LOCATION: SAN JUAN 28-7 #94 S30 T28N R7W UNIT A

DATE STARTED: 6/13/95 DATE COMPLETED: _____

Conoco Inc.



METER RUN

METER RUN

Estimated
D.G.

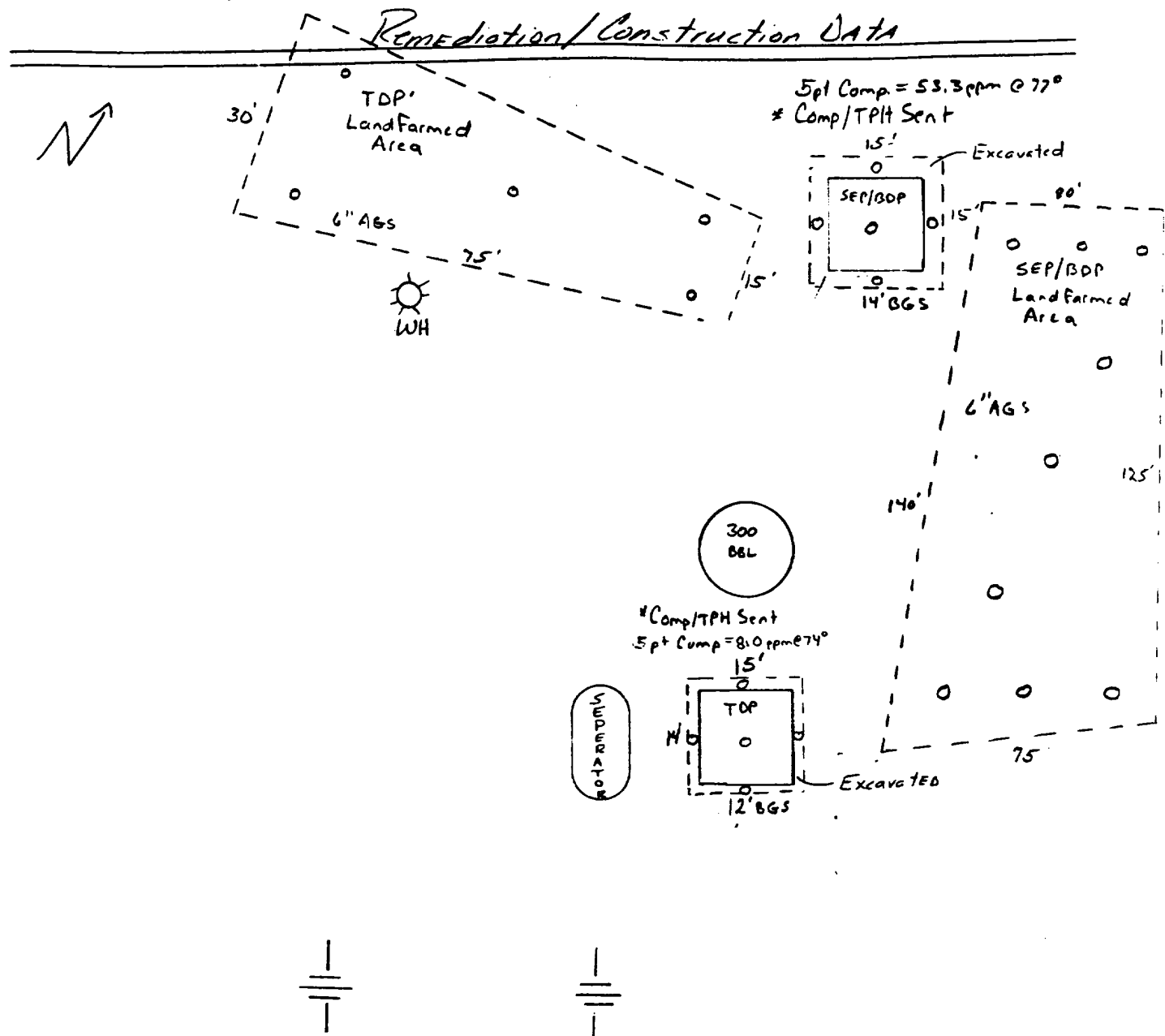
- o SOIL SAMPLE LOCATION
- Δ BACKGROUND SAMPLE LOCATION

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #2

WELL LOCATION: San Juan 28-7 # 94 S30 T28N R7W UNIT N

DATE STARTED: 7/21/95

DATE COMPLETED: _____



○ SOIL SAMPLE LOCATION

△ BACKGROUND SAMPLE LOCATION