

LOCATION: CONOCO S-28, T-28N, R-7W, Unit-H RCRA EXEMPT WASTES: Yes ☒ No ☐
PIT TYPE: BPR
DATE FLOW TO PIT STOPPED: 8/8/95

TYPE 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 WASH 10
2) Wellhead Protection Area:
Distance To
Water Sources: ± 1000' Private Domestic Water Sources: > 200'
Basis: CEREZA WASH DOMESTIC WASH 20
3) Distance To Surface Body of Water: ± 1000'
Basis: CEREZA WASH ACTIVE ± 1000' SW 10
Total Score: 50

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 < 100' 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
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 CONTAMINATION

Date: 8/8/95

Depth Excavated: 4' BGS

Full Excavation: ☒ Maximum Extent Practicable Resistant Bedrock @ 4' 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

RECEIVED
MAR 1 8 1996

OIL CON. DIV.
DIST. 3

REMEDIATION PROFILE

Soil Treated Onsite



Date Remediation Started: 8/9/95

☒ In Situ Bio

☐ w/vapor venting

☒ Landfarmed

☐ Composted

	Date: 8/15/95		Date: 8/9/95	
	Description	Amount/Rate	Description	Amount/Rate
Tilled				
Nutrients	25-5-10 Ferti (Landfarm)	30 lbs	34-0-0 In Situ	3 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: 348 ^{- Bedrock} ppm (From Headspace Analysis)

TPH: 179 ppm (From Lab Results)

Revegetated:

yes ☐ no ☒

Active Well or Facility Pad:

yes ☒ no ☐

NOTES: 8/8/95 Excavated to 4' BGS - Hit Resistant Bedrock

Contamination continued laterally, followed recontamination &

Excavated soil. Landfarmed contaminated soil

Took 4 pt composite on side walls; OVM = 4.7 ppm @ 69°

Took 5 pt composite on surface of bedrock @ 4' BGS

OVM = 348 ppm @ 72°. Sent 5 pt. Bedrock sample for TPH.

NOTES: Took 8pt Composite of handform area: CVM = 236 ppm @ 24"

8/15/95 Took 8pt Composite of handformed soil CVM = 100 ppm @ 24"

8/19/95 Treated Pit bottom w/ ~3 lbs of 34-0-0 In situ.

8/15/95 Treated handformed soil w/ 30 lbs of 25-5-10

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

Coraco Inc.

LOCATION OF PIT

San Juan 28-7 #224

TYPE OF PIT: BPR

DESCRIPTION OF SAMPLE	SAMPLE EVENT # 1	SAMPLE EVENT # 2	SAMPLE EVENT # 3	SAMPLE EVENT # 4	SAMPLE EVENT # 5	SAMPLE EVENT # 6	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	6/16/95	8/8/95	8/8/95	8/8/95	8/15/95	2/14/96		
LOCATION OF SAMPLE	BPR	BPR	BPR	BPR Landform	BPR Landform	BPR Landform		
TYPE OF SAMPLE: (GRAB/COMPOSITE)	Grab	4pt. Composite	5pt. Composite	8pt. Composite	1 8pt. Composite	5 PT Composite		
DEPTH OF SAMPLE(S)	< 1'	4' BGS	4' BGS	Landform	Landform	0-6"		
TEMPERATURE OF SAMPLE		69°	72°	76°	74°	73°		
LD METHOD RESULTS (PPMS)								
TPH VAPORS (EQUIV UNITS)		4.7 ppm	348 ppm	236 ppm	100 ppm	1.1		
BENZENE RESPONSE FACTOR		.47	.47	.47	.47	.47		
ADJUSTED FOR BENZENE EQUIV UNITS		2.2	164	111	47	-		
RESULTS IN PPM: METHOD (418.1 OR MOD 8015)			418.1			418.1		
TPH			179			32.6		
NOTES	Bedrock no sample	Sample taken @ all 4 side walls. All contaminated soil was landfilled to hole for TPH	Sample taken @ bedrock surface. Sample sent to lab for TPH	Sample taken from landfilled soil.	Monitoring landfilled soil	PULLED TPH Sample		

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

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: Anna Schauer

Reviewed: mk

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1Conoco Inc.Project: Soil TPH
Matrix: Soil
Condition: Intact/CoolDate Reported: 02/23/96
Date Sampled: 02/14-15/96
Date Received: 02/16/96
Date Extracted: 02/20/96
Date Analyzed: 02/21/96

Sample ID	Lab ID	Result (mg/kg)	Detection Limit (mg/kg)
SJ 28-7 58A LF	G00214	7,650	490
SJ 28-7 31 BRP	G00215	645	19
SJ 28-7 31 SEP	G00216	111	20
SJ 28-7 219 LF	G00217	43.0	19
SJ 28-7 73 DHP	G00218	24.6	19
SJ 28-7 73 TDP	G00219	796	19
SJ 28-7 224 LF	G00220	32.6	20
SJ 28-7 91 LF	G00221	81.4	19
SJ 28-7 225 LF DHP	G00222	31.3	19
SJ 28-7 72 A LF	G00223	1,070	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: Reviewed: 

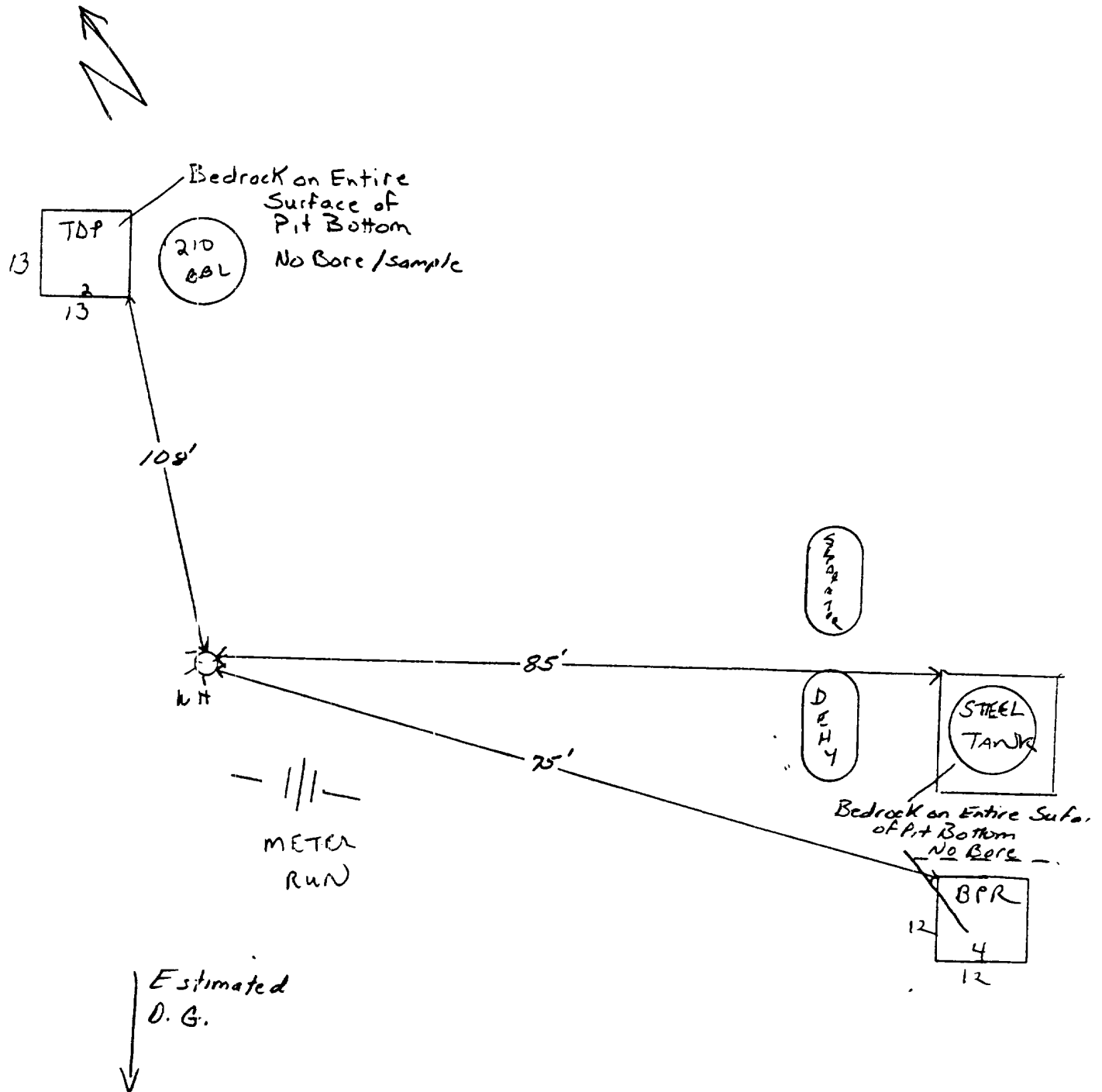
PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #1

WELL LOCATION: SAN JUAN 28-7 #224 S28 T28N R7W UNIT #

DATE STARTED: 6/16/95

DATE COMPLETED: _____

Conoco Inc.



o SOIL SAMPLE LOCATION

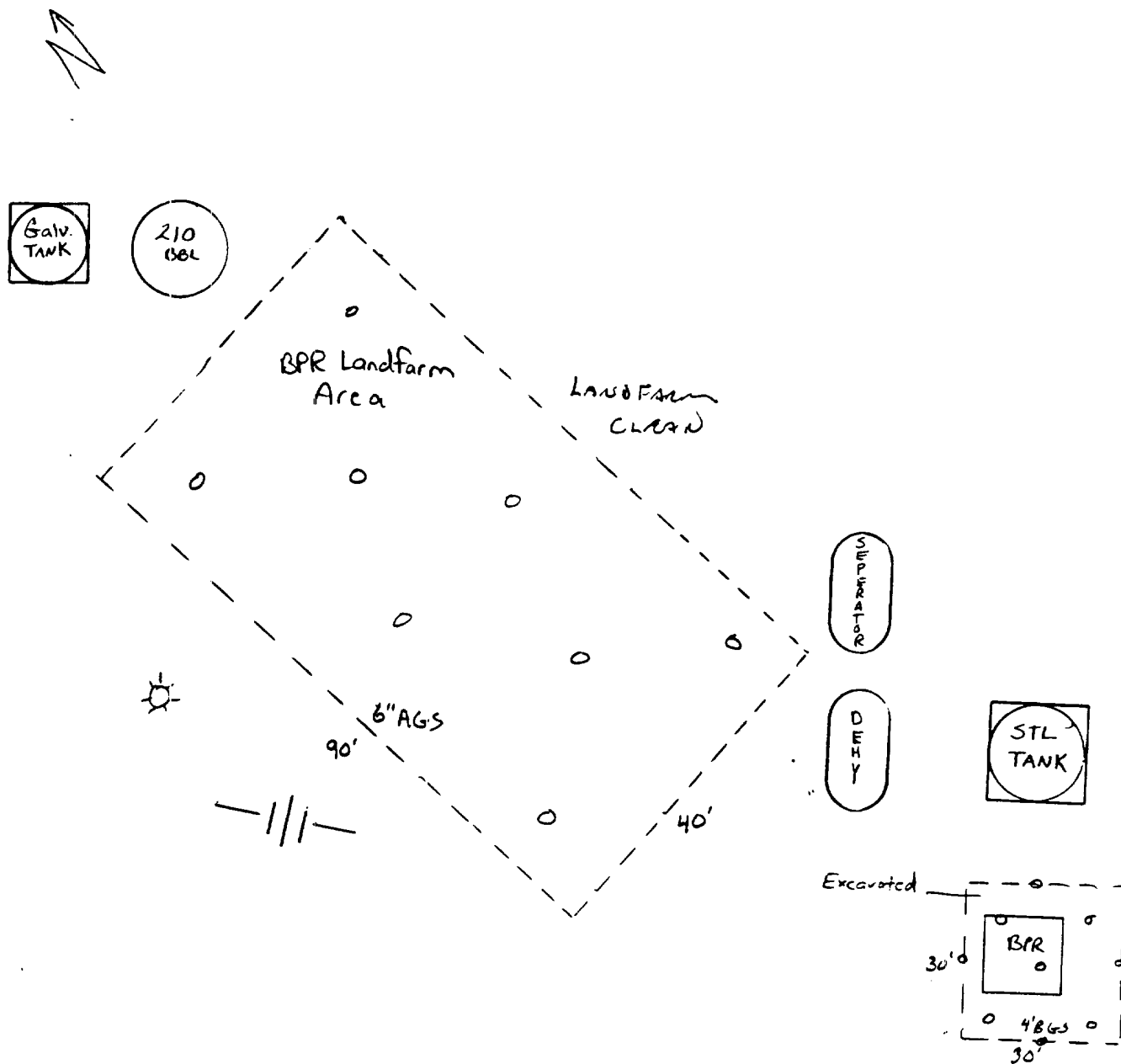
Δ BACKGROUND SAMPLE LOCATION

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #2

WELL LOCATION: San Juan 28-7 #224 S 28 T 28N R 7W UNIT H

DATE STARTED: 2/8/95 DATE COMPLETED: _____

Remediation / Excavation Data



o SOIL SAMPLE LOCATION

Δ BACKGROUND SAMPLE LOCATION