

SAN JUAN BASIN Conoco Inc.

PIT CLOSURE DOCUMENTATION

LOCATION: SAN JUAN 28-7 # 131

RCRA EXEMPT

WASTES:

Yes ☒ No ☐PIT TYPE: TDP (ACTIVE) S-34, T-28N, R-7W, Unit-LATE FLOW TO PIT STOPPED: 8/95TYPE REPLACEMENT PIT: ☒ NONE ☐ BACKFILLED - BELOW GROUND ☒ ABOVE GROUND

ACREAGE

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

SITE ASSESSMENT

1) Groundwater Depth: ESTIMATE > 100'

Ranking Score

Basis: ELEVATION FROM WASH

2) Wellhead Protection Area:

Distance To

Water Sources: > 1000' Private Domestic Water Sources: > 200'Basis: NO PRIVATE OR DOMESTIC WATER SOURCES IN VICINITY3) Distance To Surface Body of Water: > 1000'Basis: NO SURFACE WATER IN VICINITY

Total Score:

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 sources	
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: 8/8/95Depth Excavated: 3' BGSFull Excavation: ☒ Maximum Extent Practicable Encountered Bedrock @ 3' 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

DEPUTY OIL & GAS INSPECTOR

NOTES:

JUN 11 8 1996

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

REMEDIATION PROFILE

Soil Treated Onsite



Date Remediation Started: 8/2/95



In Situ Bio



w/vapor venting



Landfarmed



Composted

Date:	Description	Amount/Rate	Date:	Description	Amount/Rate
	Tilled				
	Nutrients	34-0-0 In Situ			1 lb
	Moisture				
	Bulking Agent				
	Organic Material				

Date:	Description	Amount/Rate	Date:	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: 17.2 ppm (From Headspace Analysis)

TPH: ND ppm (From Lab Results)

Revegetated:

yes



no



Active Well or Facility Pad:

yes



no



NOTES: 8/8/95 Bedrock @ 3' BGS Could not penetrate w/ backhoe

Took 5 pt Composite of 4 side walls & 1 bottom center of pit; NM=36.5 ppm @ 74°

Sent Sample to lab for TPH

CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

Conoco Inc.

LOCATION OF PIT

San Juan 28-7 # 131

TYPE OF PIT:

TDP

DESCRIPTION OF SAMPLE	SAMPLE EVENT # 1	SAMPLE EVENT # 2	SAMPLE EVENT # 3	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	7/11/95	7/11/95	8/8/95					
LOCATION OF SAMPLE (GRAB/COMPOSITE)	TDP	TDP	TDP					
DEPTH OF SAMPLE(S)	Grab	Grab	Composite					
TEMPERATURE OF SAMPLE	0-6"	6"	3' BGS					
METHOD RESULTS (PPMS)	74°	78°	74°					
TPH VAPORS (EQUIV UNITS)	24 ppm	13 ppm	36.5					
BENZENE RESPONSE FACTOR	.47	.47	.47					
ADJUSTED FOR BENZENE EQUIV UNITS			17.2					
RESULTS IN PPM: METHOD (418.1 OR MOD 8015)			418.1					
TPH			ND					
NOTES	Hit Bedrock Soft Stone @ 6" Could not penetrate	Bedrock @ Surface of Pit bottom	Entire pit bedrock Sample taken from 4 side walls @ 10' bottom @ 3' BGS Sent to lab					

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

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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: Anna Schauer

Reviewed: mk

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #2

WELL LOCATION: SAN JUAN 28-7 #131 S34 T28N R74W UNIT 1

DATE STARTED: 7/11/95

DATE COMPLETED: _____

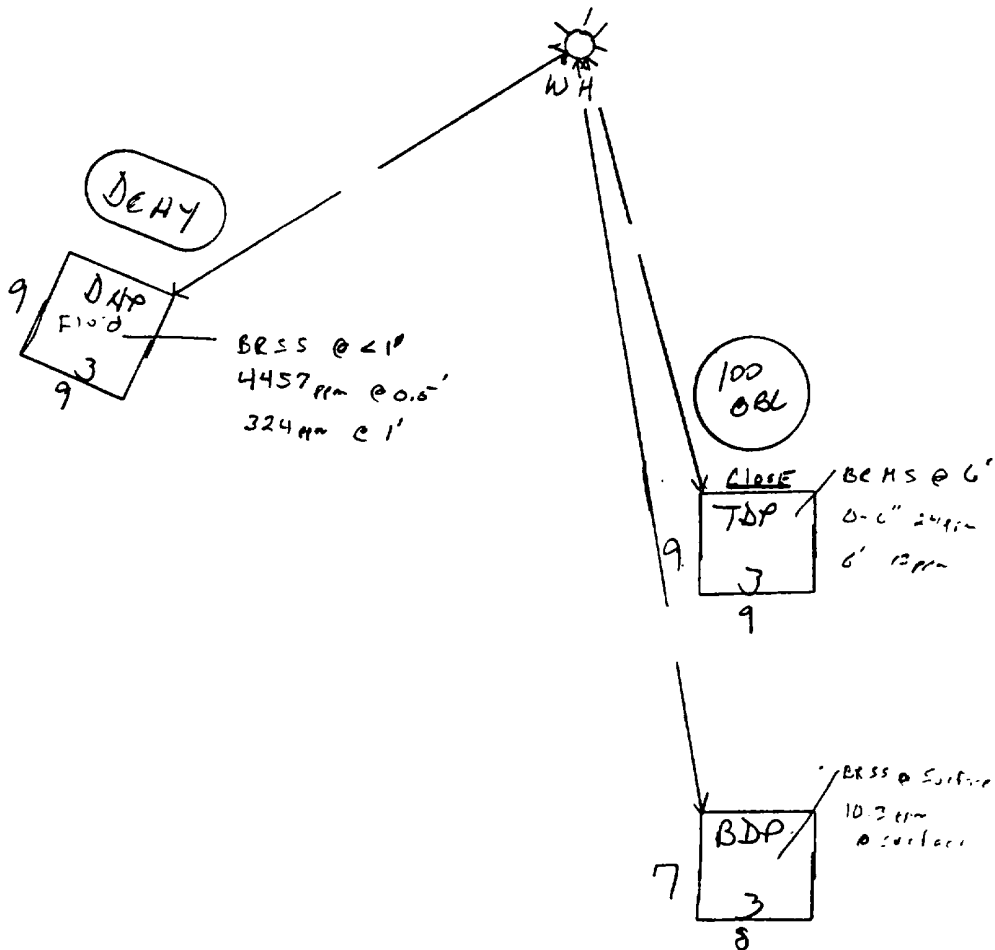
Conoco Inc.



METER
RUN

SENY ABANDONED?

SATURATED



o SOIL SAMPLE LOCATION

Δ BACKGROUND SAMPLE LOCATION

WELL LOCATION: SAN JUAN 28-7 #131 S34 T28N R7W UNIT 1

DATE STARTED: _____

DATE COMPLETED: _____

Remediation/Excavation Data



METER RUN

DEHY

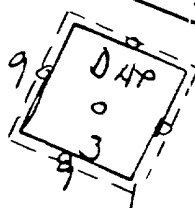
ABANDONED ?



WH

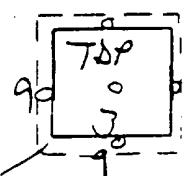
SATURATED

DEHY



Excavated
Entire pit Bedrock

100
OBL



Entire Pit
Bedrock

10'
 30'
 Drip Land-
 Fanned Area



Entire Pit
Bedrock

- o SOIL SAMPLE LOCATION
- Δ BACKGROUND SAMPLE LOCATION