

SAN JUAN BASIN Conoco Inc.

PIT CLOSURE DOCUMENTATION

LOCATION: SAN JUAN 28-7 # 131

RCRA EXEMPT

WASTES:

Yes ☐ No ☐PIT TYPE: DHP (ACTIVE) S-34, T-28N, R-7W, Unit-LTE 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 ScoreBasis: ELEVATION FROM WASH 0

2) Wellhead Protection Area:

Distance To

Water Sources: > 1000' Private Domestic Water Sources: > 200'Basis: NO PRIVATE OR DOMESTIC WTR SOURCES IN VICINITY 03) Distance To Surface Body of Water: > 1000'Basis: NO SURFACE WTR IN VICINITY 0Soil Characteristic (LIDYSS H₂O/OIL SKIN)☐ Highly Contaminated/SaturatedTotal Score: 0☐ 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)	50	50	50
Field Headspace			
Method for BTEX	100	100	100
TPH (ppm) **	100	1,000	5,000

** Concentration above background

DEFINITION OF CONTAMINATION

Depth Excavated: 3' BGSFull Excavation: ☐ Maximum Extent Practicable Hit Resistant 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 _____

NOTES:

DEPUTY OIL & GAS INSPECTOR

JUN 18 1996

MAR 18 1996

OIL CON. DIV.
DIST. 3

REMEDATION PROFILE

Soil Treated Onsite ☒

Date Remediation Started: 8/7/95

☒ In Situ Bio

☐ w/vapor venting

☒ Landfarmed

☐ Composted

Date: <u>8/8/95</u>	Description	Amount/Rate	Date: <u>8/16/95</u>	Description	Amount/Rate
Tilled					
Nutrients	<u>34-0-0 Fertilizer</u>	<u>1 lbs</u>		<u>25-5-10 Landform</u>	<u>2 lbs</u>
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: 255 ppm (From Headspace Analysis)

TPH: 2,690 ppm (From Lab Results)

Revegetated:

yes ☐

no ☒

Active Well or Facility Pad:

yes ☒

no ☐

NOTES: 8/8/95 Attempted to excavate OHP, Encountered bedrock

@ pit bottom @ 3' BGS & on all 4 side walls - Entire pit is bedrock

Took 5 pt Composite sample on surface of bedrock (4 side wall & 1 bottom center)

OVM = 543.7 ppm @ 77°. Sent Sample to lab for TPH.

Landfarmed small amount of stuff, which was in pit

Treated bedrock bottom w/ ~ 1 lb of 34-0-0

NOTES:

DHP: 8/8/95 Treated landformed Soil w/ ~ 1 lb of 34-0-0

8/16/95 Took 2 pt Composite of landformed stuff from pit; OVA=841 ppm @ 20

Treated Landformed Soil w/ ~ 2 lbs of 25-5-10

2/16/96 - SAMPLED LF, OVA & TPH LEVELS BELOW
REQUIREMENT, CLOSED PIT.

CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

Conoco Inc.

LOCATION OF PIT

San Juan 28-7 # 131

TYPE OF PIT:

DHP

DESCRIPTION OF SAMPLE	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	7/14/95	7/14/95	8/16/95	8/16/95	8/16/95	2/15/96			
LOCATION OF SAMPLE	DHP	DHP	DHP	DHP	DHP Landform	DHP			
TYPE OF SAMPLE: (GRAB/COMPOSITE)	Grab	Grab	Composite	Composite	Composite	Composite			
DEPTH OF SAMPLE(S)	6"	1'	3' BGS	3' BGS	Landform	0-6"			
TEMPERATURE OF SAMPLE	78°	76°	77°	77°	70°	64°			
METHOD RESULTS (PPMS)									
TPH VAPORS (EQUIV UNITS)	4457 ppm	324 ppm	543.7 ppm	841 ppm		ND			
BENZENE RESPONSE FACTOR	.47	.47	.47	.47	.47	.47			
ADJUSTED FOR BENZENE EQUIV UNITS	2095	152	258	395					
SULTS IN PPM: METHOD (418.1 OR MOD 8015)			418.1			418.1			
TPH			2,690			ND			
NOTES	Hit Bress e 21' saturated soil		Entire Pit is Bedrock including 4 sides & bottom Sent Comp. Sample to lab for TPH	Landform Soil. Small amount of sluff from pit. Pit is bedrock, could not penetrate w/ hoe.		SAMPLE FOR TPH			

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

2506 W. Main Street
Farmington, New Mexico 87401

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: Donna 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: 02/15-16/96
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: JB

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #2

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

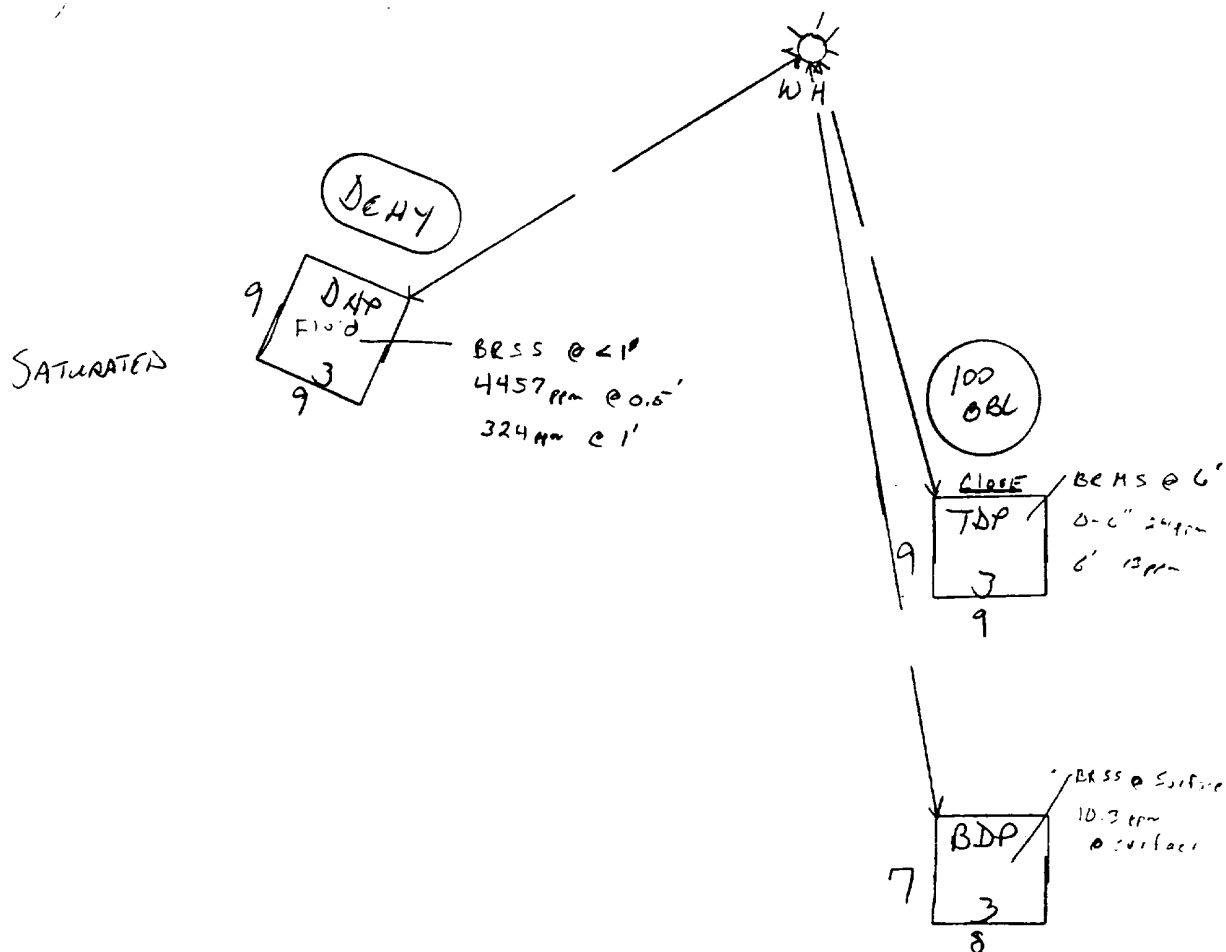
DATE STARTED: 7/11/95

DATE COMPLETED: _____

Conoco Inc.



DEHY ABANDONED?



o SOIL SAMPLE LOCATION

Δ BACKGROUND SAMPLE LOCATION

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

DATE STARTED: _____

DATE COMPLETED: _____

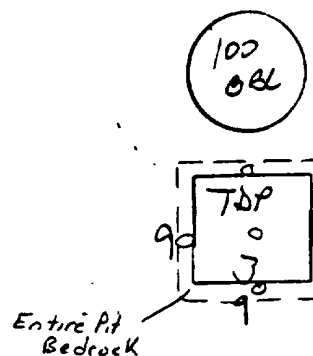
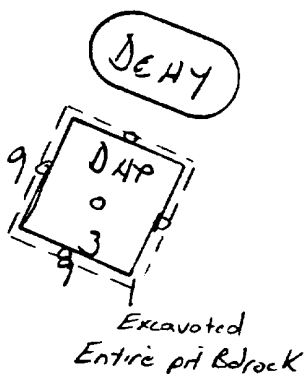
Remediation/Excavation Data



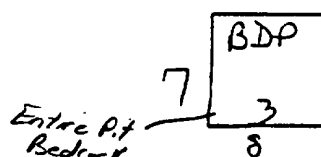
DEHY ABANDONED ?



SATURATED



10' DHP Land-
30' Formed Area



○ SOIL SAMPLE LOCATION

△ BACKGROUND SAMPLE LOCATION