

SAN JUAN BASIN *Conoco Inc.*

PIT CLOSURE DOCUMENTATION

LOCATION: SAN JUAN 28-7 # 234E

RCRA EXEMPT WASTES: Yes  No

PIT TYPE: BP RELIEF (ACTIVE) S-15; T-28N, R-7W, Unit-B

DATE FLOW TO PIT STOPPED: 6/95

TYPE REPLACEMENT PIT:  NONE  BACKFILLED - BELOW GROUND  ABOVE GROUND

ACREAGE TYPE:  FEDERAL  JICARILLA  NAVAHO  STATE  FEE

SITE ASSESSMENT

- 1) Groundwater Depth: ESTIMATE < 50' Ranking Score  
Basis: ELEVATION FROM WASH 20
  - 2) Wellhead Protection Area:  
Distance To  
Water Sources: > 1000' Private Domestic Water Sources: > 200'  
Basis: NO PRIVATE OR DOMESTIC WTR SOURCES IN IMMEDIATE VICINITY 0
  - 3) Distance To Surface Body of Water: > 1000'  
Basis: NO SURFACE WTR IN VICINITY (DELGADITA WASH (DRY) ~ 200') 0
- Total Score: 20

Soil Characteristic

Highly Contaminated/Saturated  Unsaturated Contaminated

RANKING CRITERIA

GUIDELINE REMEDIATION LEVELS

Depth to Groundwater	Wellhead Protection Area	Distance to Surface Water Body	Score	Rank
	<1000' from water source or < 200' from private domestic water sources			
<50 ft	yes	<200' horiz	20	20
<50 - 99	no	200 - 1000' horiz	10	10
>100 ft		>1000' horiz	0	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: 6/27/95

Depth Excavated: 6'

Full Excavation:  Maximum Extent Practicable

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLE RESULTS NOTES" FORM

Groundwater Encountered: Yes  No

If yes, approximate depth: \_\_\_\_\_

Groundwater Sampling?  Yes  No *Denny E. Faust*

Where was gw sample taken? \_\_\_\_\_  
Attach GW Sample Results \_\_\_\_\_  
DEPUTY OIL & GAS INSPECTOR

NOTES:

JUN 18 1996

*Approved*

RECEIVED  
MAR 18 1996

OIL CON. DIV.  
DIST. 3

**REMEDIATION PROFILE**

Soil Treated Onsite  Date Remediation Started: \_\_\_\_\_  
 In Situ Bio  w/vapor venting  Landfarmed  Composted

	Date: _____	Amount/Rate	Date: _____	Amount/Rate
	Description		Description	
Tilled				
Nutrients				
Moisture				
Bulking Agent				
Organic Material				

	Date: _____	Amount/Rate	Date: _____	Amount/Rate
	Description		Description	
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: 0.4 ppm (From Headspace Analysis) TPH: NO ppm (From Lab Results)

Revegetated: yes  no   
 Active Well or Facility Pad: yes  no

NOTES: 6-27-95 - ASSESS PIT w/ WESTERN TECHNOLOGIES,

QUA: TPH LEVELS BELOW REQUIREMENT, CLOSED PIT.

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

Conoco Inc.

San Juan 28-7 #234E

BPR

LOCATION OF PIT

TYPE OF PIT:

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	6/27/95	6/27/95	6/27/95					
LOCATION OF SAMPLE	BPR	BPR	BPR					
TYPE OF SAMPLE: (GRAB/COMPOSITE)	2pt Composite	Grab	Grab					
DEPTH OF SAMPLE(S)	4'-6'	4'-6'	4'-6'					
TEMPERATURE OF SAMPLE	76°	76°	74°					
FIELD METHOD RESULTS (PPMS)								
TPH VAPORS (EQUIV UNITS)	1.2 ppm	0.8 ppm	0.8 ppm					
BENZENE RESPONSE FACTOR	.47	.47	.47					
ADJUSTED FOR BENZENE EQUIV UNITS	0.6	0.4	0.4					
AB RESULTS IN PPM:	418.1							
METHOD (418.1 OR MOD #015)	< 10							
TPH								
NOTES	Composite taken from Ctr bore & 0.6, corner of pit bore, No Odor & No stains	Ctr bore no odor/stain	Down Grad Corner of Pit Bore					



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CLIENT WESTERN TECHNOLOGIES, INC.  
400 LORENA AVENUE  
FARMINGTON, NM 87401

SAMPLE NO. : 6502763  
INVOICE NO. : 3185W039  
REPORT DATE: 07-04-95  
REVIEWED BY: *[Signature]*  
PAGE : 1 OF 1

CLIENT SAMPLE ID : 28-7 #234E BPR Conoco Pit AUTHORIZED BY : D. Cesark  
SAMPLE TYPE .....: Soil CLIENT P.O. : --  
SAMPLED BY .....: B. Sutton SAMPLE DATE ...: 06-27-95  
SUBMITTED BY ....: B. Sutton SUBMITTAL DATE : 06-30-95  
SAMPLE SOURCE ...: S15T28NR7W Unit B EXTRACTION DATE: --

Modified 418.1 - Total Petroleum Fuel Hydrocarbons

D A T A T A B L E

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Detection Limit</u>	<u>Analysis Date</u>
Total Petroleum Hydrocarbons .....	<10.	mg/kg	10.	07-03-95

(1) Copy to Client

*[Signature]*  
Managing Director

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #1

WELL LOCATION: SAN Juan 28-7 #234E S15 T28N R7W UNIT B

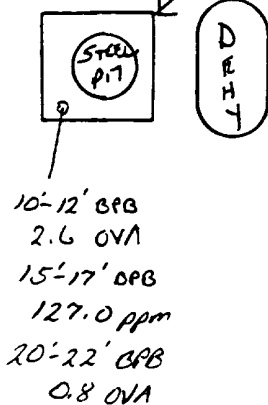
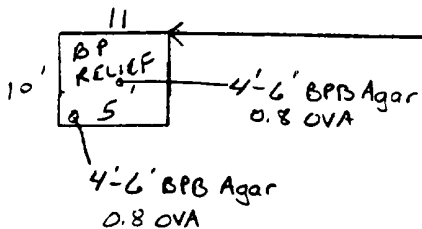
DATE STARTED: 6/27/95 DATE COMPLETED: \_\_\_\_\_

Conoco Inc.



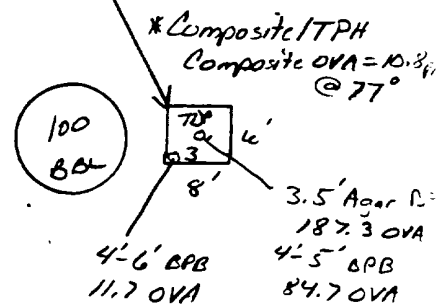
\* Composite/TPH

Composite OVA = 1.2 ppm @ 76°



10'-12' BPB  
2.6 OVA  
15'-17' BPB  
127.0 ppm  
20'-22' BPB  
0.8 OVA

Estimated  
D.G.  
↙



\* Composite/TPH

Composite OVA = 10.3 ppm @ 77°

- o SOIL SAMPLE LOCATION
- Δ BACKGROUND SAMPLE LOCATION