

LOCATION: UOPACO SCOTT #1 (K S-2T-29N-R-13W) RCR EXEMPT WASTES: Yes ☒ No ☐

PIT TYPE: DHP

FLOW TO PIT STOPPED: SPRING - 1993

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

SITE ASSESSMENT

1) Groundwater Depth: ESTIMATE 50 - 99 Ranking Score

Basis: ELEVATION CONSIDERABLY UPGRADIENT FROM ANIMAS RIVER - 10

2) Wellhead Protection Area: distance To

Water Sources: > 1000' Private Domestic Water Sources: > 200'

Basis: LOCATION ON DRAKE RANCH - WTA SOURCE IS PIPELINED BY CITY 0

3) Distance To Surface Body of Water: > 1000' OK w/ Landowner

Basis: ANIMAS RIVER APPROX 1 MILE EAST OF LOC 0

Total Score: 10

Soil Characteristic ☐ Highly Contaminated/Saturated ☒ Unsaturated Contaminated

KING 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 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: 10-4-93

Depth Excavated: 10-4-93

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

Where was gw sample taken? _____

Attach GW Sample Results _____

NOTES:

Soil Treated Onsite



Date Remediation Started: 10-4-93

☐ In Situ Bio☐ w/vapor venting☒ Landfarmed☐ Composted

Date: 10-6-93	Description	Amount/Rate	Date: 11-3-93	Description	Amount/Rate
	SPREAD SOIL w/ BACK HOE			ROTO TILLED SOIL	
Nutrients	FERTILIZER 28-4-4	40 #			
Moisture	HEAVY LOCAL RAINS 10/6-10/7				
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 OFFSITETO 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 CLOSUREBTX: ND ppm (From Headspace Analysis)TPH: ND ppm (From Lab Results)

Revegetated:

yes ☐no ☐

Active Well or Facility Pad:

yes ☒no ☐

NOTES: 10-4-93 - STARTED EXCAVATION w/ FAINT ENL USING EXTEND-A-HOE, EXCAVATED

TO 15' TO FIND BOTTOM OF CONTAMINATION IN CENTER OF PIT. PULLED COMPOSITE OUM/TPH

SOIL SAMPLES IN CENTER OF PIT AREA 3-10' - AT 15' STARTED EXTENDING PIT AREA NORTH

S EAST SIDES. FOUND CLEAN SOIL. 10-5-93 - EXTENDED PIT BOUNDARIES WEST & SOUTH TO

CLEAN SOIL. OVERALL EXCAVATION AREA 25' X 25' X 13' AUG. STARTED LANDFARMING SOIL

ON LOCATION 10-6-93 - LANDFARM SOIL ON LOC. 10-7-93 SPREAD FERTILIZER WHILE RAINING.

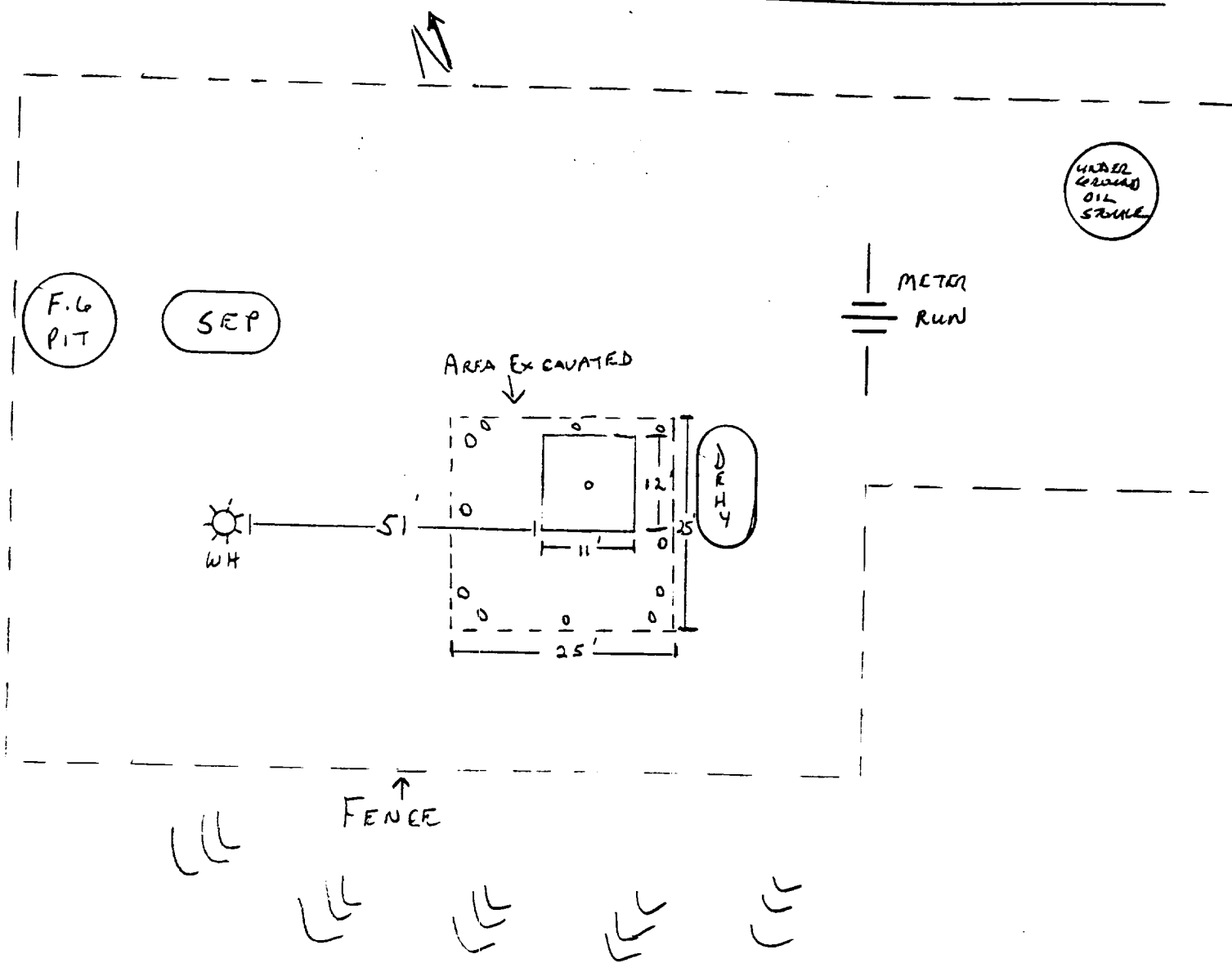
12-20-94 - PULLED SAMPLES FOR OUM & TPH ANALYSIS BELOW REQUIREMENT. 2086

PIT LOCATION AND COMPOSITE SAMPLE PIT TILE MAP

WELL LOCATION: SCOTT #1 S 2 T 29N R 13W UNIT K

DATE STARTED: 10-4-93

DATE COMPLETED: 12-29-94



o SOIL SAMPLE LOCATION

Δ BACKGROUND SAMPLE LOCATION

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

LOCATION OF PIT: SCOTT #1 TYPE OF PIT: DHP

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	10-4-93	10-4-93	10-4-93	10-4-93	10-4-93	10-4-93	10-5-93	10-5-
LOCATION OF SAMPLE	CENTER OF PIT	CENTER OF PIT	CENTER OF PIT	CENTER OF PIT	NORTH BANK OF PIT	EAST BANK OF PIT	WEST BANK OF PIT	SOUTH BANK OF PIT
TYPE OF SAMPLE: (GRAB/COMPOSITE)	GRAB	GRAB	Composite	GRAB	Composite	Composite	Composite	Composite
DEPTH OF SAMPLE(S)	3'	6'	10'	15'	3'-10'	3'-12'	3'-14'	3'-14'
TEMPERATURE OF SAMPLE	69°	67°	65°	65°	72°	68°	72°	71°
ELD METHOD RESULTS (PPMS)								
TPH VAPORS (EQUIV UNITS)	367	257	141	59	74	110	91	141
BENZENE RESPONSE FACTOR	.47	.47	.47	.47	.47	.47	.47	.47
ADJUSTED FOR BENZENE EQUIV UNITS	173	121	66	28	35	52	43	66
B RESULTS IN PPM: METHOD (418.1 OR MOD 8018)			418.1	418.1				
TPH			4370	372				
NOTES	HEAVY SOIL CONTAMINATION AT THIS POINT	SAND-LIGHT ENDS	SAND-LIGHT ENDS COMPOSITE w/ SMALLS NOS 1, 2 & 3	SAND-CLEAN PULLED TPH TO DETERMINE DEPTH OF CON- TAMINATION	EXTENDED PIT BOUNDARY NORTH-UP GRADIENT-ON INDICATES FAIR LY CLEAN SOIL.	EXTENDED PIT BOUNDARY EAST TOWARD DEHY-SOIL COLOR IND- ICATED LIGHT STRAWN	EXTENDED PIT BOUNDARY WEST, SOIL CLEAN IN NEW CON- EN, CLEANING UP FAIRLY WELL IN SLO CON- EN	EXTENDED PIT BOUNDARY SOUTH SOIL STARTING TO CLEAN UP FAIRLY WELL

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

LOCATION OF PIT: SCOTT #1 TYPE OF PIT: SHIP

DESCRIPTION OF SAMPLE	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	12/29/94								
LOCATION OF SAMPLE	LOCATION								
TYPE OF SAMPLE: (GRAB/COMPOSITE)	LANDFARM								
DEPTH OF SAMPLE(S)	25 PTS. COMPOSITE								
TEMPERATURE OF SAMPLE	0-6"								
TEMPERATURE OF SAMPLE	69°								
FIELD METHOD RESULTS (PPMS)									
TPH VAPORS (EQUIV UNITS)	0.2								
BENZENE RESPONSE FACTOR	0.47								
ADJUSTED FOR BENZENE EQUIV UNITS	—								
LAB RESULTS IN PPM: METHOD (418.1 OR MOD 8015)	418.1								
TPH	N								
NOTES	COMPOSITE FOR TPH ANAL								

5026

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

Project: Soil TPH
Matrix: Soil
Condition: Intact/Cool

Date Reported: 01/13/95
Date Sampled: 12/29-30/94
Date Received: 12/30/94
Date Extracted: 01/12/95
Date Analyzed: 01/12/95

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
Scott #1 (Landfarm)	2453	ND	20
St. Com 4 1	2454	21,300	500
Federal 11E	2455	48,100	2000
St Com K-7R	2456	620	20

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:

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