

District I  
P.O. Box 1980, Hobbs, NM

District II  
P.O. Drawer DD, Artesia, NM 88211

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

*Denny E. Faust*  
**DEPUTY OIL & GAS INSPECTOR** **CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

OCT 01 1997

(Revised 3/9/94)

*Approved*  
**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Conoco, Inc Telephone: 915-686-5453

Address: 10 Destra Drive, Suite 100W, Midland, TX 79705-4500

Facility Or: 28-7 # 170 Pit #2

Well Name

Location: Unit or Qtr/Qtr 0 Sec 9 T27N R7W County San Juan

Pit Type: Separator X Dehydrator      Other     

Land Type: BLM X State      Fee      Other     

**RECEIVED**  
JUL 31 1997

**OIL CON. DIV.**  
**DIST. 3**

Pit Location: Pit dimensions: length 10' width 10' depth 5'  
(Attach diagram)

Reference: wellhead X other     

Footage from reference: 27'

Direction from reference: 15 Degrees X East North       
of  
     West South X

**Depth To Ground Water:**

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
Greater than 100 feet	(0 points)
<u>10</u>	

**Wellhead Protection Area:**

(Less than 200 feet from a private  
domestic water source, or; less than  
1000 feet from all other water sources)

Yes	(20 points)
No	(0 points)
<u>0</u>	

**Distance To Surface Water:**

(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

Less than 200 feet	(20 points)
200 feet to 1000 feet	(10 points)
Greater than 1000 feet	(0 points)
<u>0</u>	

**RANKING SCORE (TOTAL POINTS): 10**

Date Remediation Started: 7- 16 - 1996 Date Completed: \_\_\_\_\_

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections) Landfarmed \_\_\_\_\_ Insitu Bioreediation \_\_\_\_\_  
Other Natural attenuation \_\_\_\_\_

Remediation Location: Onsite X Offsite \_\_\_\_\_  
(ie. landfarmed onsite, name and location of offsite facility) \_\_\_\_\_

General Description Of Remedial Action: Pit sampled by Conoco on 7-16-9.  
Conoco's sampler encountered bedrock at six inches below bottom of the pit.  
Sample headspace reading using PID = 12.69 ppm, Lab results of sample for TPH using EPA Method 418.1 were 952 ppm. Contamination is below NMOCD soil action levels for Volatile Organics of 100 ppm and TPH of 1000 ppm. Pit closed by backfilling during P&A and site rehabilitation.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: Sample location: Samples take at center and SE corner of pit

**Closure Sampling:**

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth Six inches below bottom of the pit at bedrock

Sample date 7-16-1996 Sample time 1435 hours

**Sample Results**

Benzene (ppm) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_

Field headspace (ppm) 12.69

TPH 952

Ground Water Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF  
DATE \_\_\_\_\_

SIGNATURE

*Carl J. Coy*

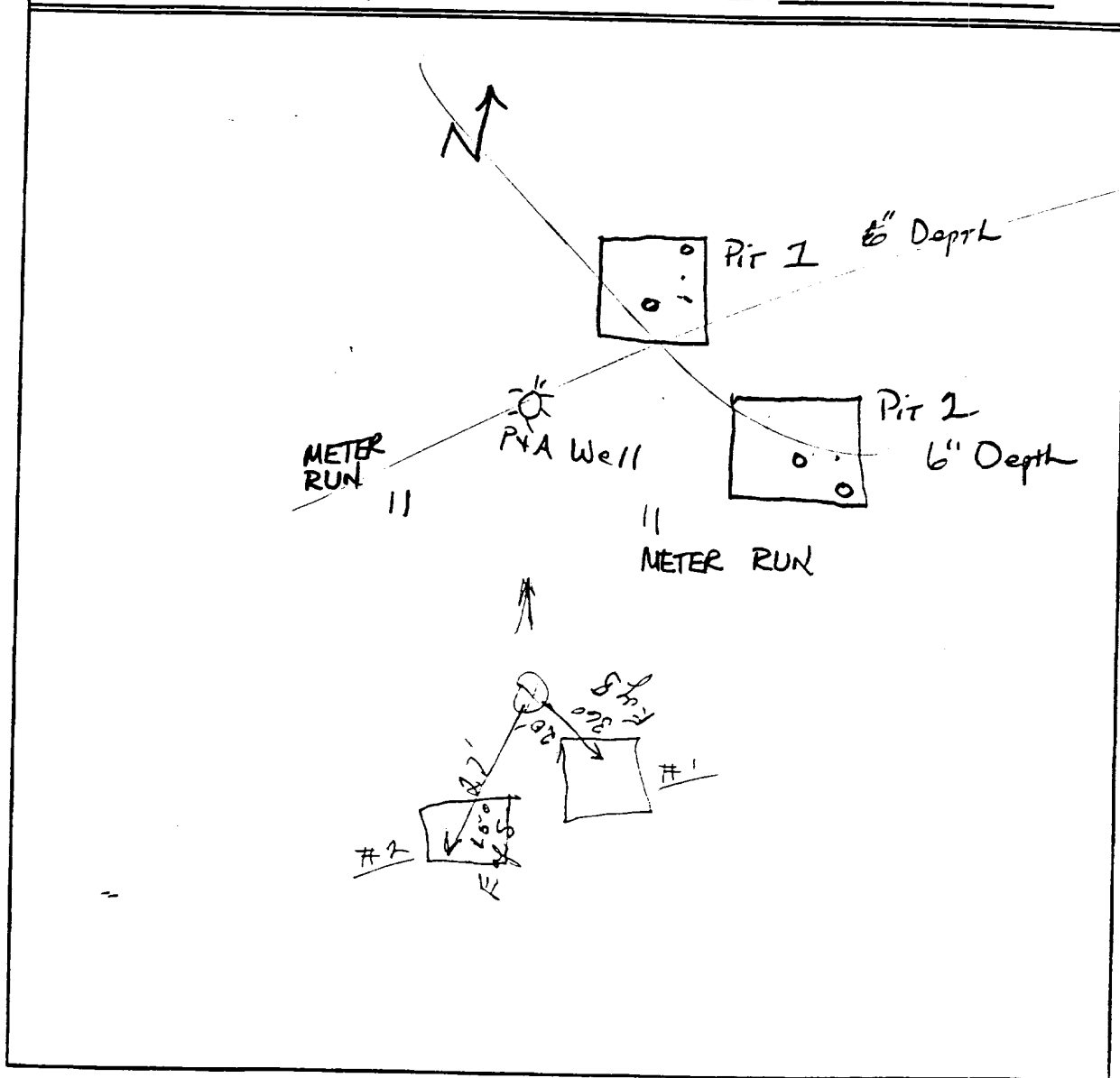
PRINTED NAME  
AND TITLE

*Carl J. Coy*  
*FIELD SNAKE SPEC.*

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP

WELL LOCATION: San Juan 28-7 170 S 9 T 27 R 7 UNIT 0

DATE STARTED: 7/16/96 DATE COMPLETED:                     



○ SOIL SAMPLE LOCATION  
 ▲ BACKGROUND SAMPLE LOCATION

170  
pit 1  
2TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1Client: Conoco, ....  
Project: Not Given  
Matrix: Soil  
Condition: Intact/CoolDate Reported: 07/26/96  
Date Sampled: 07/17/96  
Date Received: 07/17/96  
Date Extracted: 07/19/96  
Date Analyzed: 07/19/96

Sample ID	Lab ID	Result mg/kg	Detection Limit mg/kg
28-7 #170 Pit 1	0396G01358	44.4	20.0
→ 28-7 #170 Pit 2	0396G01359	952	39.8
28-7 #122 Pit 1	0396G01360	324	20.0
28-7 #173 Pit 1	0396G01361	146	19.9
28-7 #173 Pit 2	0396G01362	ND	20.0
28-7 #173 Pit 3	0396G01363	ND	20.0
28-7 #196 Pit 1	0396G01364	ND	20.0
28-7 #196 Pit 2	0396G01365	ND	19.7

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: dkReviewed: SP



NOTES:

Pit 2

28.7 #170

7/16/96

2:35 pm

• took sample w/ hand Auger @ 6"

↳ very hard caliche surface - HARD to sample

= OUM = 27 ppm (before factor) 12.19 ppm (after factor) @ 70°