

District I  
P.O. Box 1980, Santa Fe, NM

District II  
P.O. Drawer 100, Santa Fe, NM 87501

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. Foust*  
**DEPUTY OIL & GAS INSPECTOR**

OIL CONSERVATION DIVISION

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

SEP 03 1999

**PIT REMEDIATION AND CLOSURE REPORT**

**RECEIVED**  
JUL 30 1999  
OIL CON. DIV.  
DIST. 3

**Operator:** PNM Gas Services (Hallador) **Telephone:** 324-3764

**Address:** 603 W. Elm Street Farmington, NM 87401

**Facility or Well Name:** Horton #4A

**Location:** Unit D Sec 27 T 32 N R 12 W County San Juan

**Pit Type:** Separator ☐ Dehydrator ☒ Other                     

**Land Type:** BLM ☒ State ☐ Fee ☐ Other                     

**Pit Location:** Pit dimensions: length 15' width 15' depth 4'

(Attach diagram) **Reference:** wellhead ☐ other P & A marker

**Footage from reference:** 60'

**Direction from reference:** Due Degrees ☐ East North ☐  
of ☒ West South ☐

<b>Depth to Ground Water:</b>  (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet	(20 points)	<u>0</u>
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	

<b>Wellhead Protection Area:</b>  (Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)	Yes	(20 points)	<u>0</u>
	No	(0 points)	

<b>Distance to Surface Water:</b>  (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)	<u>0</u>
	200 feet to 1,000 feet	(10 points)	
	Greater than 1,000 feet	(0 points)	

**RANKING SCORE (TOTAL POINTS):** 0

Horton #4A

Date Remediation Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Remediation Method: Excavation \_\_\_\_\_ Approx. Cubic Yard \_\_\_\_\_

(Check all appropriate sections)

Landfarmed \_\_\_\_\_ Amount Landfarmed (cubic yds) \_\_\_\_\_

Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_

(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location: \_\_\_\_\_

**General Description of Remedial Action:**

No remedial action necessary. Lab results below OCD/BLM standards.

Ground Water Encountered: No ☒ Yes ☐ Depth \_\_\_\_\_

**Final Pit Closure Sampling:**

Sample Location Three test holes in center of pit.

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

Sample depth 3'

Sample date 04/12/1999 Sample time 11:50:00 AM

**Sample Results**

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

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

Field headspace (ppm) 0.8

TPH (ppm) < 25.00 Method 8015B

Vertical Extent (ft) \_\_\_\_\_ Risk Analysis form attached Yes ☐ No ☒

Ground Water Sample: Yes ☐ No ☒ (If yes, see attached Groundwater Site Summary Report)

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

DATE July 27, 1999

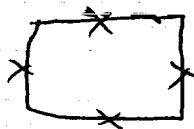
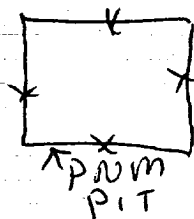
SIGNATURE

*Maureen Gannon*

PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Horton 4A  
Sec-27 T-32N R-12W UL D  
Hallador

## Site Drawing

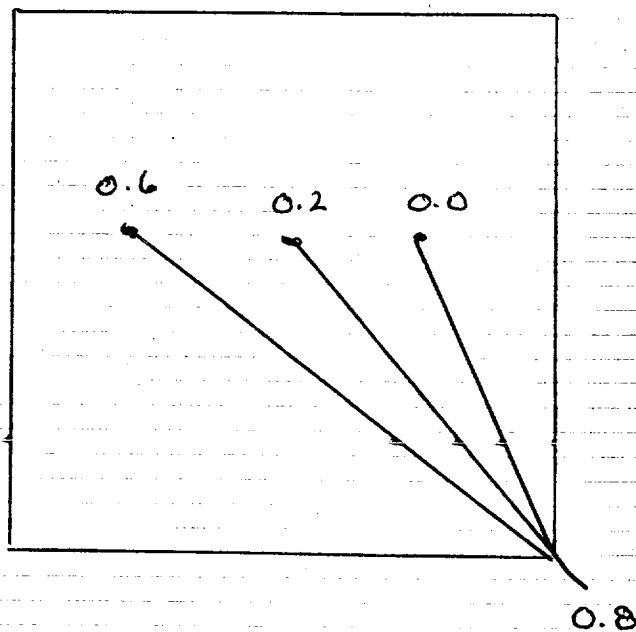


● Plugged  
Well  
P+A

Not to Scale

Horton 4A  
Sec-27 T-32N R-12W ULD  
HALLADOR (PJA)

## PIT DRAWING



Three Test holes 36"  
Deep. Took a 3PT Composite  
Sample headspace Reading was 0.8ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

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**On Site Technologies, LTD.**

**Date:** 20-Apr-99

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**CLIENT:** PNM - Public Service Company of NM

**Project:** Horton 4A

**Lab Order:** 9904012

**CASE NARRATIVE**

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 20-Apr-99

**Client:** PNM - Public Service Company of NM  
**Work Order:** 9904012  
**Lab ID:** 9904012-01A    **Matrix:** SOIL  
**Project:** Horton 4A

**Client Sample Info:** Horton 4A  
**Client Sample ID:** 9904121150; 3pt. Comp  
**Collection Date:** 4/12/99 11:50:00 AM  
**COC Record:** 7370

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/12/99

**Qualifiers:**

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

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