

DEPUTY OIL & GAS INSPECTOR

FEB 08 1964

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (TAURUS) Telephone: 324-3764

Address: 603 W Elm Street Farmington, NM 87401

Facility or Well Name: Jicarilla L-10

Location: Unit: D Sec. 9 T. 24 N R. 5 W County Rio Arriba


Pit Type: Separator Dehydrator ☒ Other

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 21' width 21' depth 0

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 165'

Direction from reference: 45 Degrees East 

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)

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)

Yes (20 points)
No (0 points)

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 1,000 feet	(10 points)
Greater than 1,000 feet	(0 points)

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downgradient streams having a width of at least 10 feet)

Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points)

Distance to Nearest Lake, Playa, or Watering Pond:

(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)

Less than or equal to 100 feet	(10 points)
Greater than 100 feet	(3 points)

RANKING SCORE (TOTAL POINTS) :

Date Remediation Started: 6/24/98 Date Completed: 7/28/98

Remediation Method: Excavation X Approx. Cubic Yards 113

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 113

Other _____

Remediation Location: Onsite X Offsite _____

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

General Description of Remedial Action:

Removed Contaminated Soil From all four Side Walls as to get a below 100ppm Headspace reading. Pit bottom is solid rock 2 ft. Composites of Pit Bottom.
Final excavation: 23' X 19' X 7'.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South West Side Walls and bottom of Pit

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

Sample depth 7'

Sample date 6/23/98 Sample time 0816

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____

Total BTEX (ppm) 0.001 Toluene (ppb) _____

Field headspace (ppm) 1090 Ethylbenzene (ppb) _____

TPH ND ppm Method SO15 Total Xylenes (ppb) _____

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 MY BELIEF

DATE 7/14/98 PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham AND TITLE Environmental Technician II

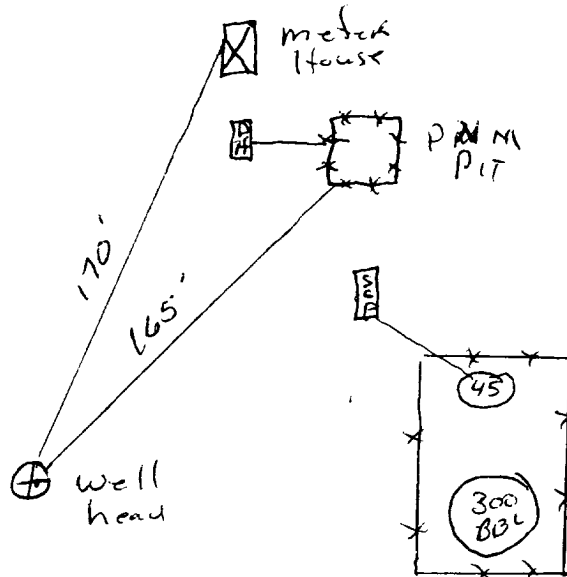
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Karl M. M... DATE: 7-28-98

Jicarilla L-10
Sec-9 T24N R5W unit D
TAURUS

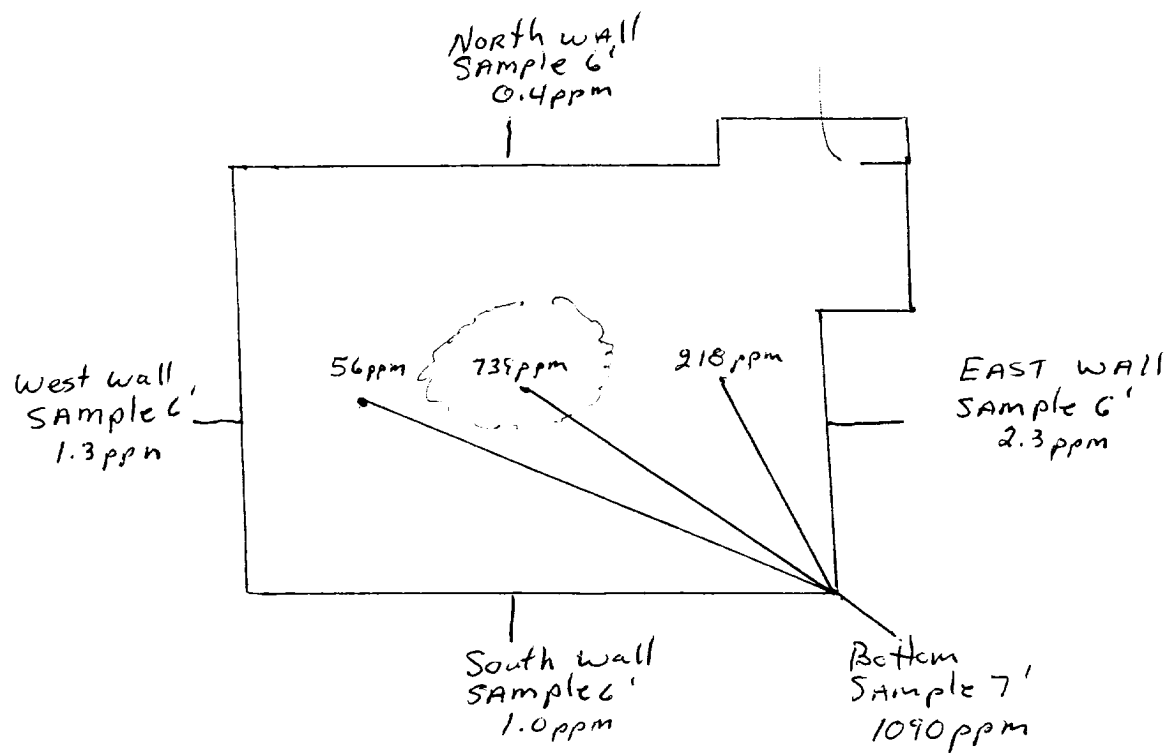
SITE DRAWING



JICARILLA L-10
Sec-9 T-24N R-5W unit-D
TAURUS

EXCAVATION DRAWING

23'X19'X7'



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 06-Jul-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation
Lab Order: 9806106

CASE NARRATIVE

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

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 06-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla L-10
Work Order:	9806106	Client Sample ID:	9806230816; 3pt. Comp. Bottom
Lab ID:	9806106-04A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	6/23/98 8:16:00 AM
		COC Record:	5642

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
	SW8015					Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/2/98
BTEX						
	SW8020A					Analyst: HR
Benzene	ND	1		µg/Kg	1	7/2/98
Toluene	ND	2		µg/Kg	1	7/2/98
Ethylbenzene	ND	1		µg/Kg	1	7/2/98
m,p-Xylene	ND	2		µg/Kg	1	7/2/98
o-Xylene	1	1		µg/Kg	1	7/2/98

1
0.001 ppm

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Sum: - Surrogate

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 06-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla L-10
Work Order:	9806106	Client Sample ID:	9806230815: 4pt. Comp. Walls
Lab ID:	9806106-03A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	6/23/98 8:15:00 AM
		COC Record:	5642

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/29/98

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

1 of 1

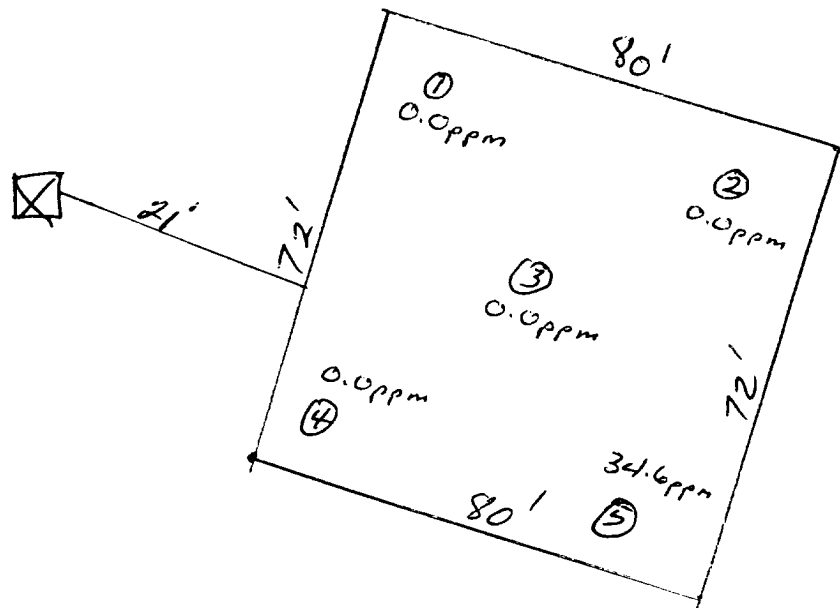
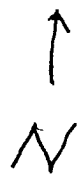
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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (TAURUS)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Jicarilla L-10			
Location:	Unit: D	Sec. 9	T. 24 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache			
Date Remediation Started: 6/24/98		Date Completed: 7/22/98	
Remediation Method: Landfarmed		Approx. cubic yards 113	
Composted			
Other			
Depth to Ground Water: (pts.) 4		Final Closure Sampling:	
Distance to an Ephemeral Stream: (pts.) 0		Sampling Date: 7/21/98 Time 0848	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) 0		Sampling Results:	
Wellhead Protection Area: (pts.) 0		Field Headspace (ppm) 34.6	
Distance to Surface Water: (pts.) 0		TPH (ppm) ND Method 8015	
Ranking Score (Total Points): 0		Other	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE 7/28/98		PRINTED NAME Roy Burnham	
SIGNATURE Roy Burnham		AND TITLE Environmental Technician II	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE			
APPROVED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) use as Backfill			
SIGNED: [Signature]		DATE: 7-28-98	

JICARIIIA L-10
UNIT 10 SEC 9 T 24N R 5W
TAURUS
LAND FARM



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 23-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807060

CASE NARRATIVE

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: 23-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla L-10 LF
Work Order:	9807060	Client Sample ID:	9807210848; 5pt. Comp.
Lab ID:	9807060-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/21/98 8:48:00 AM
		COC Record:	7317

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/22/98

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Sur - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

Call for a free copy of our Laboratory Methods Manual