

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

District II
P.O. Drawer DD, Artesia, NM 88221

District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

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

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
APR 29 1999

OIL CON. DIV.
DIST. 3

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: State Corn AJ #34E

Location: Unit N Sec 36 T 32N R 12W County San Juan

Pit Type: Separator ☐ Dehydrator ☐ Other Drip

Land Type: BLM ☒ State ☐ Fee ☐ Other

Pit Location: Pit dimensions: length 20 width 20 depth 3

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 100'

Direction from reference: 5 Degrees ☒ East North ☐
of
☐ West South ☒

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>0</u>

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)	<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 1,000 feet	(10 points)	
Greater than 1,000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 5/14/98 Date Completed: 5/14/98Remediation Method: Excavation X Approx. Cubic Yard 225

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 225

Other _____

Remediation Location: Onsite X Offsite _____

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

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 20' X 19' X 16' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil met regulatory levels.Vertical extent drilling conducted to 37'. Bottom hole results below OCD guidelines as indicated on attached lab analysis.Ground Water Encountered: No ☒ Yes ☐ Depth _____

Final Pit Closure Sampling:

Sample Location Bottom of excavation.

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

Sample depth 16'Sample date 5/14/98 Sample time 2:15:00 PM

Sample Results

Benzene (ppm) 0.0790Total BTEX (ppm) 6.7790

Field headspace (ppm) _____

TPH (ppm) 5800.00 Method 8015AVertical Extent (ft) 37' 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 April 27, 1999

SIGNATURE

Maureen GannonPRINTED NAME **Maureen Gannon**
AND TITLE **Project Manager**

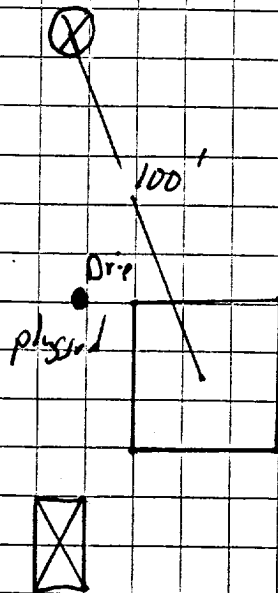
State Com AJ #34E

5/14/98

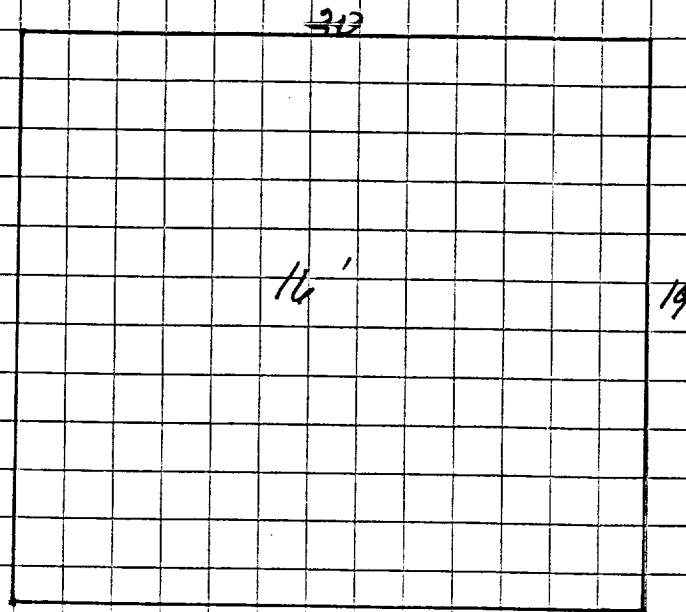
CONOCO

Sec. 36, 32N, 12W, N

Start of excavation:



End of excavation:



OFF: (505) 325-5667

ON SITE

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

Date: 26-May-98

CLIENT: PNM - Public Service Company of NM

Project: State Com AJ #34E

Lab Order: 9805047

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: 26-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	State Com AJ #34E
Work Order:	9805047	Client Sample ID:	9805141415; Bottom @ 16ft.
Lab ID:	9805047-01A	Matrix:	SOIL
Project:	State Com AJ #34E	Collection Date:	5/14/98 2:15:00 PM
		COC Record:	7218

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	5800	50		mg/Kg	2	5/22/98
BTEX		SW8020A				Analyst: HR
Benzene	79	50		µg/Kg	50	5/18/98
Toluene	ND	100		µg/Kg	50	5/18/98
Ethylbenzene	2000	50		µg/Kg	50	5/18/98
m,p-Xylene	3500	100		µg/Kg	50	5/18/98
o-Xylene	1200	50		µg/Kg	50	5/18/98

6779.0
6.779 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	Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 26-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	State Com AJ #34E
Work Order:	9805047	Client Sample ID:	9805141430; Walls @ 12ft.
Lab ID:	9805047-02A	Matrix:	SOIL
Project:	State Com AJ #34E	Collection Date:	5/14/98 2:30:00 PM
		COC Record:	7218

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	1200	25		mg/Kg	1	5/22/98
BTEX		SW8020A				Analyst: HR
Benzene	4.2	2		µg/Kg	2	5/18/98
Toluene	6.1	4		µg/Kg	2	5/18/98
Ethylbenzene	50	2		µg/Kg	2	5/18/98
m,p-Xylene	160	4		µg/Kg	2	5/18/98
o-Xylene	92	2		µg/Kg	2	5/18/98

312.30
3123 ppm

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

State Com AJ #34

7-21-98

Conoco

Sec. 36, 32N, 12W, N

Land Farm: On location

2"-12" depth

soil vapor head space = 7.6 ppm

980721100

⊗

300 yards

1.0

.50

.6.4

1.1

φ

225 yards

.50

φ

11.4

.70

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807059

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: 28-Jul-98

Client: PNM - Public Service Company of NM
Work Order: 9807059
Lab ID: 9807059-02A **Matrix:** SOIL
Project: PNM Pit Remediation

Client Sample Info: State Com AJ #34 LF
Client Sample ID: 9807211100
Collection Date: 7/21/98 11:00:00 AM
COC Record: 7326

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	2000	25		mg/Kg	1	7/24/98

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

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 04-Mar-99

CLIENT: PNM - Public Service Company of NM

Project: Vertical Extent Drilling

Lab Order: 9902050

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: 04-Mar-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	State Com AJ #34E
Work Order:	9902050	Client Sample ID:	9902091342; Vert. Extent @ 36ft.
Lab ID:	9902050-02A	Matrix:	SOIL
Project:	Vertical Extent Drilling	Collection Date:	2/9/99 1:42:00 PM
		COC Record:	7548

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	200	25		mg/Kg	1	2/25/99
BTEX		SW8021B				Analyst: HR
Benzene	ND	1		µg/Kg	1	2/11/99
Toluene	ND	2		µg/Kg	1	2/11/99
Ethylbenzene	ND	1		µg/Kg	1	2/11/99
m,p-Xylene	ND	2		µg/Kg	1	2/11/99
o-Xylene	ND	1		µg/Kg	1	2/11/99

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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

RECORD OF SUBSURFACE EXPLORATION

LIP SERVICES CORP.

11 Monroe Road
 Bingham, New Mexico 87401
 (505) 326-2262 FAX (505) 326-2388

Borehole # BH-01
 Well # _____
 Page 1 of 1

Project Number 20731 Phase 6001
 Project Name PNM VERTICAL EXTENT
 Project Location STATE COM AJ #34E

Excavation _____
 Borehole Location LTR: N S:36 T:32N R:12W
 ML Depth _____
 Filled By K. PADILLA
 Well Logged By D. Fernald
 Date Started 2/9/99
 Date Completed 2/9/99

Drilling Method 4 1/4 ID HSA
 Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BX BH S/HS			Drilling Conditions & Blow Counts
0				Instructed by Gary Cook - PNM to start sampling @ 20'. The former pit was excavated to ~16' depth.						BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
5										
10										
15										
20										
	01		20"	DK Brown silty soil w/ some fine sand - no noticeable HC odors.			21	33		5 Blows
25										
	02		14"	DK Brown grading to DK Grey silty soil w/ some fine sand - slight HC odor -			84	71		7 Blows
30										
	03		14"	Olive brown fine silty sand, sand is H colored - off white quartz - slight HC odors			130	23		50 Blows
35										
	04		5"	Olive brown fine silty sand going to a buff colored fine-med grained silty ss. Terminated boring @ 37'			87	X		50 Blows
40										

Comments: Encountered loosey cemented fine-med ss @ ~37' Auger
refusal

Geologist Signature

[Signature]