

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
P.O Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals, & Natural Resources Department

Form C-104
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

☐ AMMENDE REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address Burlington Resources Oil & Gas PO Box 4289 Farmington, NM 87499		² OGRID Number 14538
		³ Reason for Filing Code CO - 7/11/96
⁴ API Number 30-045-21880	⁵ Pool Name BLANCO MESAVERDE (PRORATED GAS	⁶ Pool Code 72319
⁷ Property Code 007422	⁸ Property Name RICHARDSON	⁹ Well Number #12A

II. ¹⁰ Surface Location

UI or lot no. J	Section 15	Township 031N	Range 012W	Lot.Idn	Feet from the 1450	North/South Line S	Feet from the 1450	East/West Line E	County SAN JUAN
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¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
25244	WILLIAMS FIELD SERVICES CO P.O. BOX 58900 SALT LAKE CITY, UT 84158-0900		G	J-15-T031N-R012W
9018	Giant Industries 5764 US Hwy 64 Farmington, NM 87401	2387710	O	J-15-T031N-R012W

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTB	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Dolores Diaz*

OIL CONSERVATION DIVISION

Approved by: Frank T. Chavez

Printed Name:
Dolores Diaz

Title: District Supervisor

Title:
Production Associate

Approved Date: July 11, 1996

Date:
7/11/96

Phone
(505) 326-9700

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator
14538 Meridian Oil Production

Previous Operator Signature

Printed Name

Title

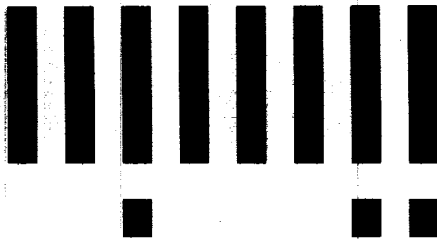
Date

Signature: *Dolores Diaz*

Dolores Diaz

Production Associate

7/11/96



LTR



Job separation sheet

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

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

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Richardson #12A

Location: Unit J Sec 15 T 31 N R 12 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other

Land Type: BLM ☒ State ☐ Fee ☐ Other

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

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 70 '

Direction from reference: 10 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

Richardson #12A

Date Remediation Started: 06/08/1999

Date Completed: 06/08/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 132

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 90

Other 42 cu yds overburden.

Remediation Location:

Onsite

☒

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 17' X 21' X 10' and landfarmed onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil met regulatory levels.

Ground Water Encountered:

No

☒

Yes

☐

Depth

Final Pit Closure Sampling:

Sample Location

5 pt composite-bottom

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

Sample depth

10'

Sample date

06/08/1999

Sample time

11:30:00 AM

Sample Results

Benzene (ppm) < 0.002

Total BTEX (ppm) 0.019

Field headspace (ppm)

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 January 24, 2000

SIGNATURE



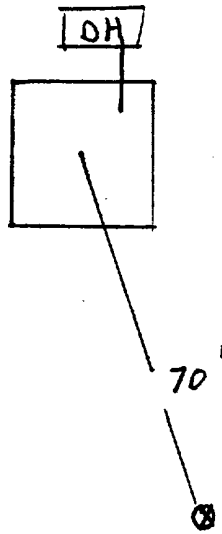
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Richardson # 12A
Burlington
Sec. 15, 31N, 12W, J

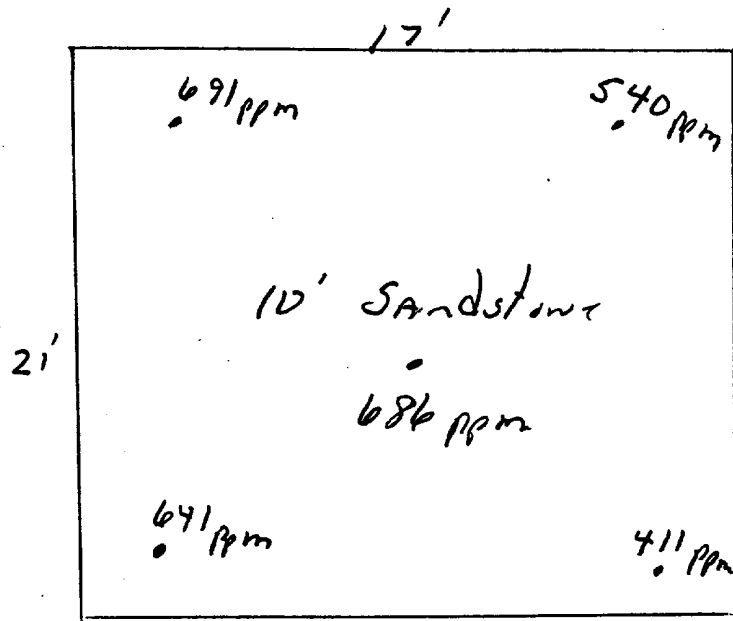
6-8-99

↑
N

Site Diagram:



End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 21-Jun-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9906025

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.

6c

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Richardson #12A
Work Order:	9906025	Client Sample ID:	9906081130; 10ft.
Lab ID:	9906025-05A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/8/99 11:30:00 AM
		COC Record:	7606

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/17/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	ND	2		µg/Kg	2	6/14/99
Toluene	ND	4		µg/Kg	2	6/14/99
Ethylbenzene	ND	2		µg/Kg	2	6/14/99
m,p-Xylene	19	4		µg/Kg	2	6/14/99
o-Xylene	ND	2		µg/Kg	2	6/14/99

19
0.019 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

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Richardson #12A
Work Order:	9906025	Client Sample ID:	9906081135; 5ft.
Lab ID:	9906025-06A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/8/99 11:35:00 AM
		COC Record:	7606

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/15/99

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

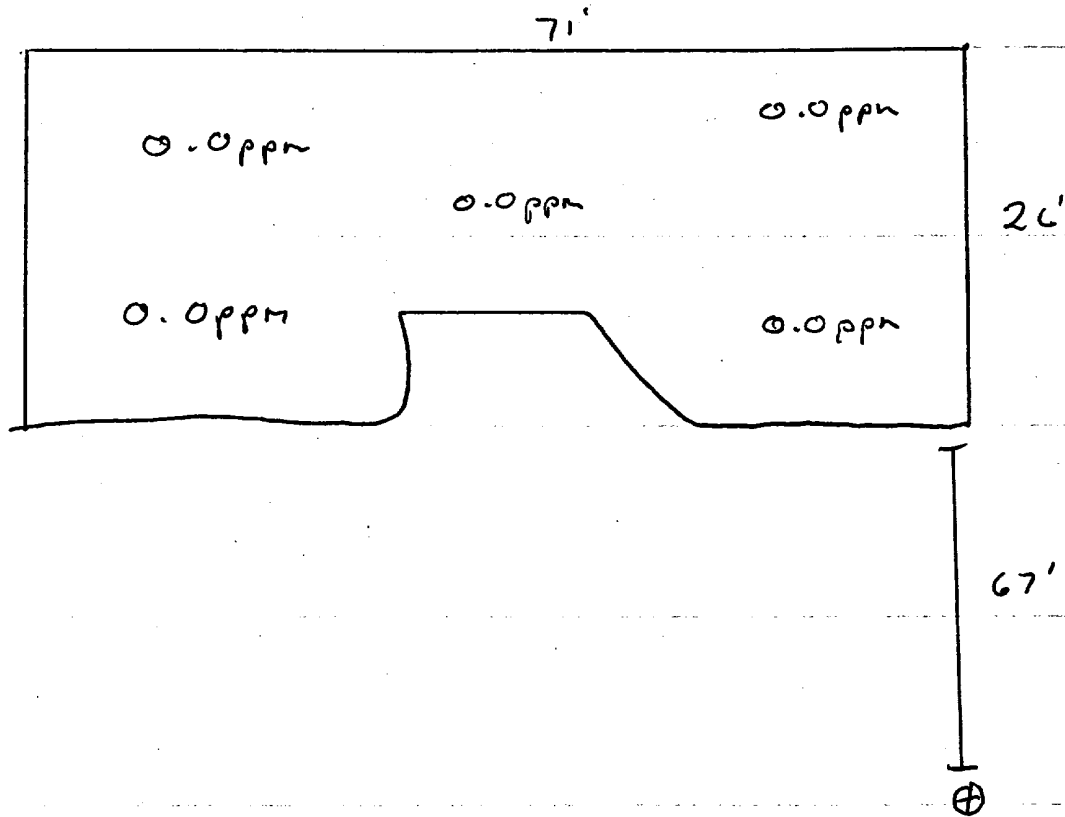
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- TECHNOLOGY SERVING INDUSTRY WITH THE ENVIRONMENT -

Richardson #12A
Sec-15. T-31N R-12W ul. 3
Burlington

Landfarm Drawing

App 90 cu. yds



2" to 12" Depth
Headspace 0.5 ppm
Sample # 9907130950

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jul-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9907030

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-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Richardson 12A LF
Work Order:	9907030	Client Sample ID:	9907130950; 5pt. Comp
Lab ID:	9907030-12A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/13/99 9:50:00 AM
		COC Record:	7489

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/26/99

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

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -