

2401 Aztec NE – Z100
Albuquerque, NM 87107
P 505.241.2014
F 505.241.2384
PNMResources.com

 ENTERED

PNM Resources

July 21, 2016

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

JUL 25 2016

John Kieling
Chief, Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6030

NMED
Hazardous Waste Bureau

**RE: Person Generating Station (NMT 360010342) – Plugging and Abandonment Reports
for the Closure of Nine Monitoring Wells**

Dear Mr. Kieling:

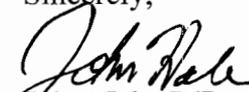
Pursuant to Section 3.6 of RCRA Post-Closure Care Permit No. NMT360010342 for the Public Service Company of New Mexico Person Generating Station, please find enclosed the final reports for the plugging and abandonment of the nine monitoring wells listed below.

Plugging and abandonment of the wells was completed in June 2016 and was conducted in accordance with the appropriate closure requirements. All wells were located on PNM property. All of these wells were no-longer-utilized monitoring wells.

PSMW-19-C (cluster wells consisting of 19-300, 19-400, 19-500, and 19-600)
PSMW-19-C "B" (cluster wells consisting of 19-700 and 19-900)
PSMW-19-800 (individual completion well)
PSMW-19 (individual completion well)
PSMW-19X (individual completion well)

If you have any questions, please contact me at (505) 241-2014 or via email at john.hale@pnmresources.com.

Sincerely,


John Hale, P.E.

Technical Project Manager

Enclosures

cc: Brian Salem, NMED-HWB, District 1, 121 Tijeras, Ave. NE, Albuquerque, NM 87102-3400

CHAS. J. ...

CHAS. J. ...



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: N/A PSMW-19-X

Well owner: PNM Resources Phone No.: 505-241-2014

Mailing address: 2401 Aztec NE - Z100

City: Albuquerque State: NM Zip code: 87107

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Rodgers & Co., Inc.

2) New Mexico Well Driller License No.: WD225 Expiration Date: 1/31/17

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Jeff Watson

4) Date well plugging began: 6-28-16 Date well plugging concluded: 6-28-16

5) GPS Well Location: Latitude: 35 deg, 1 min, 34.48 sec
Longitude: 106 deg, 38 min, 19.89 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 230 ft below ground level (bgl),
by the following manner: Well sounder

7) Static water level measured at initiation of plugging: 125 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 4-5-16

9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

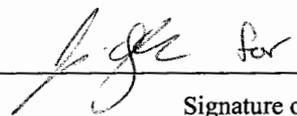
For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0	native fill				
3'	<hr/>				
4" well	cement/bentonite grout	150.13 gal	150.13 gal	Tremie	
NO SCALE					
230'					

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, Jeff Watson, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.



 Signature of Well Driller

7-15-16

 Date



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: N/A PSMW-19-700 and PSMW 19-900

Well owner: PNM Resources

Phone No.: 505-241-2014

Mailing address: 2401 Aztec NE - Z100

City: Albuquerque

State: NM

Zip code: 87107

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Rodgers & Co., Inc.

2) New Mexico Well Driller License No.: WD225 Expiration Date: 1/31/17

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Jeff Watson

4) Date well plugging began: 6-24-16 Date well plugging concluded: 6-24-16

5) GPS Well Location: Latitude: 35 deg, 1 min, 33.49 sec
Longitude: 106 deg, 38 min, 20.59 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 722, 906 ft below ground level (bgl),
by the following manner: Well sounder

7) Static water level measured at initiation of plugging: 125 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 4-5-16

9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments (“casing perforated first”, “open annular space also plugged”, etc.)
0	native fill				2- 2" wells, each filled with cement.
3'	<hr style="border: 2px solid black;"/>				
	cement/bentonite grout	265.67 gal	265.67 gal	Tremie	
2" well cluster					
NO SCALE					
1,628'					

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jeff Watson, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.



 Signature of Well Driller

7-15-16

 Date



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: N/A PSMW-19-C

Well owner: PNM Resources

Phone No.: 505-241-2014

Mailing address: 2401 Aztec NE - Z100

City: Albuquerque

State: NM

Zip code: 87107

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Rodgers & Co., Inc.

2) New Mexico Well Driller License No.: WD225 Expiration Date: 1/31/17

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Jeff Watson

4) Date well plugging began: 6-23-16 Date well plugging concluded: 6-23-16

5) GPS Well Location: Latitude: 35 deg, 1 min, 33.7 sec
Longitude: 106 deg, 38 min, 20.00 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: see below ft below ground level (bgl),
by the following manner: 291, 401, 553, 633. Well sounder

7) Static water level measured at initiation of plugging: 125 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 4-5-16

9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

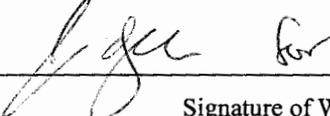
For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0	native fill				4: 2" wells, each filled with cement.
3'	cement/bentonite grout	306.47 gal	306.47 gal	Tremie	
2" well cluster					
NO SCALE					
1,878'					

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, Jeff Watson, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.



 Signature of Well Driller

7-15-16

 Date



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: N/A PSMW-19-800

Well owner: PNM Resources

Phone No.: 505-241-2014

Mailing address: 2401 Aztec NE - Z100

City: Albuquerque

State: NM

Zip code: 87107

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Rodgers & Co., Inc.
- 2) New Mexico Well Driller License No.: WD225 Expiration Date: 1/31/17
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Jeff Watson
- 4) Date well plugging began: 6-27-16 Date well plugging concluded: 6-27-16
- 5) GPS Well Location: Latitude: 35 deg, 1 min, 33.4 sec
Longitude: 106 deg, 38 min, 20.22 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 800 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: 125 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 4-5-16
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
0	native fill				
3'	<hr style="border: 2px solid black;"/>				
4" well	cement/bentonite grout	522.2 gal	522.2 gal	Tremie	
NO SCALE					
800'					

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, Jeff Watson, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.



 Signature of Well Driller

7-15-16

 Date



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: N/A PSMW-19

Well owner: PNM Resources Phone No.: 505-241-2014

Mailing address: 2401 Aztec NE - Z100

City: Albuquerque State: NM Zip code: 87107

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Rodgers & Co., Inc.
- 2) New Mexico Well Driller License No.: WD225 Expiration Date: 1/31/17
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Jeff Watson
- 4) Date well plugging began: 6-28-16 Date well plugging concluded: 6-28-16
- 5) GPS Well Location: Latitude: 35 deg, 1 min, 33.96 sec
Longitude: 106 deg, 38 min, 20.54 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 233 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: 125 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 4-5-16
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
0	native fill				
3'	<hr style="border: 2px solid black;"/>				
4" well	cement/bentonite grout	152.09 gal	152.09 gal	Tremie	
NO SCALE					
233'					

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, Jeff Watson, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.



 Signature of Well Driller

7-15-16

 Date