



Tyrone Operations
P.O. Box 571
Tyrone, NM 88065

September 11, 2019

Certified Mail #9171999991703580065161
Return Receipt Requested

Mr. David Ohori
Mining Act Reclamation Program
Mining and Minerals Division
Energy, Minerals & Natural Resources Dept.
1220 South St. Francis Dr.
Santa Fe, NM 87505-6110

Dear Mr. Ohori:

Re: Application for Release of Financial Assurance and Termination of Permit for Emma Minimal Impact Exploration Operation Permit, GR079EM

Freeport-McMoRan Tyrone Inc. (Tyrone) requests a release of financial assurance (FA) pursuant to 19.10.12.1210 NMAC and the termination of Mining Act Permit GR079EM for the implementation of the Closeout Plan at Emma Minimal Impact Exploration Operation Permit, GR079EM (Emma).

Tyrone requests that the current financial assurance of \$166,113.00 (one hundred sixty-six thousand one hundred thirteen dollars) be fully released to account for reclamation work completed at Emma. The distribution of the reduction request to the project is presented in the table below.

2018 Financial Assurance Cost Estimate for Exploration Drilling				
Description	Unit	Quantity	Unit Rate (\$/unit)	Total Cost (\$)
Drill Pad Reclamation	acre	1.00	\$ 8,900	\$ 8,900
Drill Road Reclamation	acre	2.37	\$ 4,900	\$ 11,613
Plug and Abandon Exploration Drill Holes	ft.	10,400	\$ 14	\$ 145,600
Total Existing FA				\$ 166,113

Tyrone has met all the requirements specified in permit GR079EM. This request includes all the information required by the New Mexico Mining Act rules for a release of FA. Attachments are provided that contain the following information:

Attachment A: Application Fee

Mr. David Otori
September 11, 2019
Page 2

Attachment B: Approved FA calculation and requested release.

Attachment C: This attachment contains information to help the reviewer understand the scope of work that has been completed through 2019 (including acres reclaimed and other pertinent construction facts).

Attachment D: Electronic Copy of Application Materials (provided on CD).

There would be no remaining FA for Emma if this request is approved with no changes. Tyrone requests that Permit GR079EM be terminated and the FA of \$166,113.00 be released. The FA release will terminate the irrevocable standby letters of credit (ILOC) Nos. HACH570171OS for \$145,600.00 and HACH570172OS for \$20,513.00.

Tyrone looks forward to the Director scheduling the required inspection of the Closeout measures completed in relation to this application. Included with this application is the \$250 permit modification fee. Tyrone appreciates your consideration of these issues. Please contact Ms. Mandy Lilla at (575) 912-5388 if you require any additional information.

Sincerely,

Handwritten signature in blue ink that reads "Mandy J. Lilla for".

Thomas L. Shelley
Reclamation Manager
Environmental/Sustainable Development

TLS:ml
Attachments
20190911-100

c: Holland Shepherd – MMD (attachments only, no CD)
Fernando Martinez – MMD (attachments only, no CD)

Appendix A
Application Fee



0968
 *000 0000085 00000000 003 006 00076 INS: 0 0

STATE OF NEW MEXICO
 NM ENRGY MNRLS & NAT RES DPT
 1220 S SAINT FRANCIS DR
 SANTA FE NM 87505-4225

INVOICE NUMBER	INVOICE DATE	PURCHASE ORDER	COMPANY	GROSS AMOUNT	DISCOUNT	NET AMOUNT
08272019RC EMMA EXPLORATION PROJECT	08/27/19		FREEMPORT MINERALS CORPORA	250.00	0.00	250.00

Check Number	Date	Vendor Number	Name	Total Amount
0000926507	08/28/19	0000805500	STATE OF NEW MEXICO	\$250.00

CH246 v.0 02 01-12-2012

WARNING: THIS DOCUMENT CONTAINS SEVERAL DOCUMENT SECURITY FEATURES

FREEMPORT-McMoRAN
 Freeport-McMoRan Inc.
 333 North Central Ave
 Phoenix AZ 85004

VOID
 CHECK NO. 0000926507 64-1278/611 GA
 DATE OF CHECK 08/28/19

PAY: TWO HUNDRED FIFTY AND 00/100 DOLLARS

TO THE ORDER OF STATE OF NEW MEXICO
 NM ENRGY MNRLS & NAT RES DPT
 1220 S SAINT FRANCIS DR
 SANTA FE NM 87505-4225

CHECK AMOUNT
 \$250.00



Bank of America, N.A.

[Signature]
 Authorized Signature

DO NOT CASH IF THE WORD VOID IS VISIBLE - SEE REVERSE SIDE FOR LIST OF SECURITY FEATURES

⑈0000926507⑈ ⑆061112788⑆ 3299998445⑈

Appendix B

Approved FA calculation and requested

2018 Financial Assurance Cost Estimate for Exploration Drilling				
Description	Unit	Quantity	Unit Rate (\$/unit)	Total Cost (\$)
Drill Pad Reclamation	acre	1.00	\$ 8,900	\$ 8,900
Drill Road Reclamation	acre	2.37	\$ 4,900	\$ 11,613
Plug and Abandon Exploration Drill Holes	ft.	10,400	\$ 14	\$ 145,600
Total Existing FA				\$ 166,113
2019 FA Release Request				\$ 166,113
FA Remaining with Modificaiton Approved				\$ -

Appendix C
Reclamation of Emma

Project Completion Facts

Project Name: **Emma Exploration Project**

Construction/Activity Start Date: August 2018

Construction/Activity Completion Date:

Area Completed/Affected: 3.494 acres

Exploration Boreholes & Pads & Sumps Closed: 23

Linear Feet of Roads Completed: 4,879 feet of modified existing and new constructed roads

Description of Work Completed: Regrading consisted of sloping the exploration roads and pads (including sumps) to a:

- Long-term and short-term stable and non-hazardous to humans and wildlife condition
- Restoring area to approximately their original condition
- Reseeding by broadcasting the approved seedmix

Placement of waterbars structures or other appropriate measures to reduce head-cutting adjacent to roads and to prevent roadways from channelizing surface flow.

Plugging and abandonment of up to 23 boreholes, utilizing a neat cement slurry placed in drill hole from bottom up to approximately 2 feet of the original ground surface. The remaining 2 feet of drill hole was backfilled with topdressing from above the cement to the original ground surface.

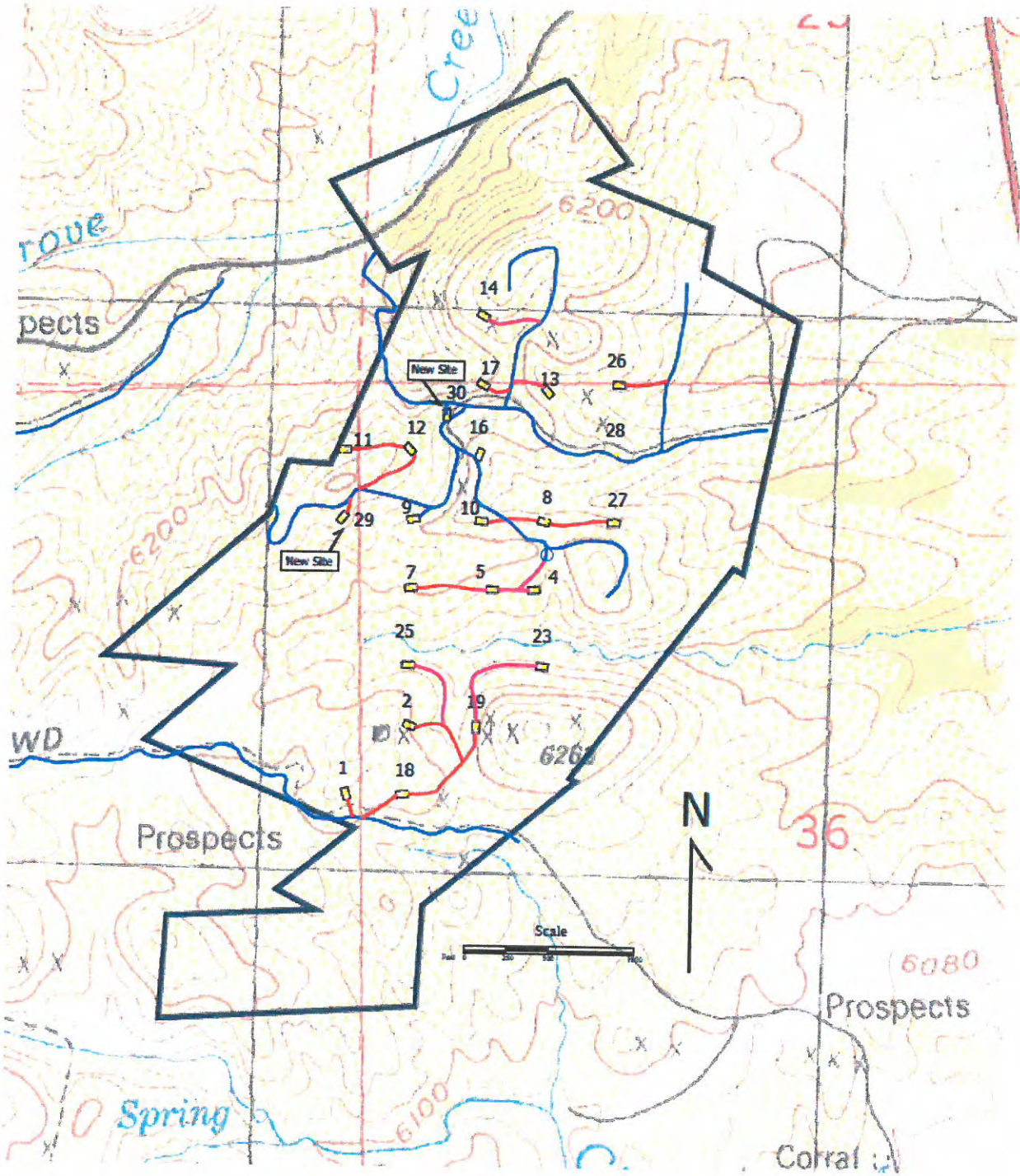


Figure 1: Map of Emma



Photo 1: Emma Drill Site 10, 8/16/18



Photo 2: Reclaimed Emma Drill Site 10, 5/15/19



Photo 3: Emma Drill Site 16, 8/16/18

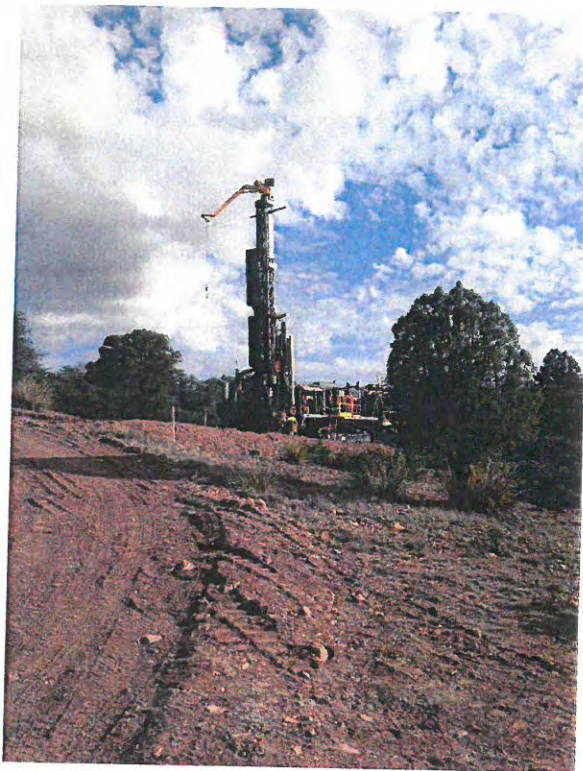


Photo 4: Drilling Exploration Borehole at Drill Site 16, 8/22/18



Photo 5: Excavated Sump for Drill Site 16, 8/22/18



Photo 6: Reclaimed Emma Drill Site 16, 5/15/19



Photo 8: Drill Site and Road to Drill Site 8, 8/22/18

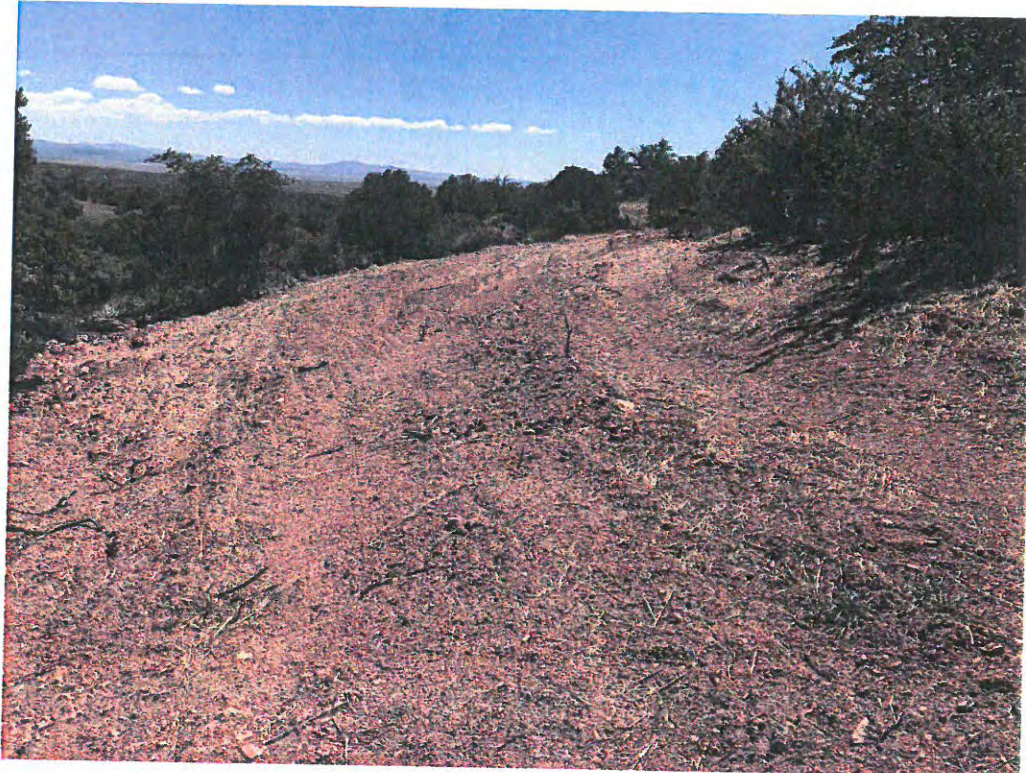


Photo 9: Reclaimed Drill Site and Road to Drill Site 8, 5/15/19



Photo 10: Vegetation at Reclaimed Drill Site 16, 8/8/19

Table 1: Exploration Borehole Information

DH #	Drilled (Y or N)	Depth of Well (ft)	Closed	On Figure 1 & Permitted (Y or N)	State Engineer Well Number
1	Y	800	Y	Y	M-11627-POD-1
2	Y	500	Y	Y	M-11627-POD-2
3	N	NA	NA	N	NA
4	N	NA	NA	Y	NA
5	Y	320	Y	Y	M11627-POD-4
6	N	NA	NA	N	NA
7	Y	550	Y	Y	M11627-POD-5
8	N	NA	NA	Y	NA
9	Y	600	Y	Y	M11627-POD-7
10	Y	300	Y	Y	M-11627-POD-8
11	Y	840	Y	Y	M11627-POD-9
12	Y	750	Y	Y	M11627-POD-10
13	N	NA	NA	Y	NA
14	Y	300	Y	Y	M11627-POD-12
15	N	NA	NA	N	NA
16	Y	320	Y	Y	M11627-POD-13
17	Y	540	Y	Y	M11627-POD-14
18	N	NA	NA	Y	NA
19	Y	460	Y	Y	M11627-POD-16
20	N	NA	NA	N	NA
21	N	NA	NA	N	NA
22	N	NA	NA	N	NA
23	N	NA	NA	Y	NA
24	N	NA	NA	N	NA
25	N	NA	NA	Y	NA
26	N	NA	NA	Y	NA
27	N	NA	NA	Y	NA
28	N	NA	NA	Y	NA
29	Y	750	Y	Y	M11627-POD-24
30	N	NA	NA	Y	NA



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
District 3 Office, Deming, NM

John T. Romero, P.E.
Acting State Engineer

321 West Spruce St.
Deming, New Mexico 88030
PHONE: (575) 546-2851
FAX: (575) 546-2290

February 4, 2019

FILE: M-11627

Tyrone Mining, LLC
c/o Ty Bays
PO Box 571
Tyrone, NM 88065



BY:

Greetings:

Enclosed is your copy of Plugging Records for Wells M-11627-POD1, M-11627-POD2, M-11627-POD4, M-11627-POD5, M-11627-POD7, M-11627-POD8, M-11627-POD9 M-11627-POD10, M-11627-POD12, M-11627-POD13, M-11627-POD14, M-11627-POD16, and M-11627-POD24, which has been accepted for filing.

This is the final filing under Wells M-11627-POD1, M-11627-POD2, M-11627-POD4, M-11627-POD5, M-11627-POD7, M-11627-POD8, M-11627-POD9 M-11627-POD10, M-11627-POD12, M-11627-POD13, M-11627-POD14, M-11627-POD16, and M-11627-POD24.

Sincerely,

Lloyd R. Valentine III
District 3 Manager

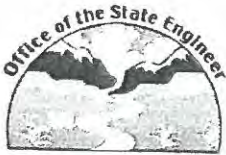
By:

Jack Barragan
Water Resource Professional
Mimbres Basin

JB:jb

Encl: Plugging Records

cc: State Engineer



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: M-11627-POD-1
 Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
 Mailing address: P.O. Box 571
 City: Tyrone State: NM Zip code: 88043

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Gary Lochner
- 4) Date well plugging began: 10-7-18 Date well plugging concluded: 10-7-18
- 5) GPS Well Location: Latitude: 32 deg. 36 min. 42.57 sec
Longitude: 108 deg. 21 min. 22.47 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 800 ft below ground level (bgl).
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

STATE ENGINEERS OFFICE
2018 OCT 19 AM 1:31

37

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:

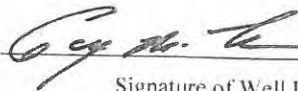
Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments (“casing perforated first”, “open annular space also plugged”, etc)
800	2 feet below ground surface. 5 gallons per 94 lb sack of cement.	1,000	943	Drill pipe	Dry hole. 5.375 inch diameter.

STATE ENGINEERS OFFICE
 2018 OCT 19 AM 1:31

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

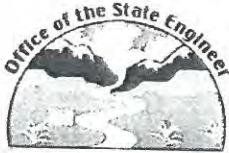
III. SIGNATURE:

I, _____, 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

10-8-18
 Date

33



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: M-11627-POD-2
 Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
 Mailing address: P.O. Box 571
 City: Tyrone State: NM Zip code: 88043

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Gary Lochner
- 4) Date well plugging began: 10-10-18 Date well plugging concluded: 10-10-18
- 5) GPS Well Location: Latitude: 32 deg. 36 min. 46.59 sec
Longitude: 108 deg. 21 min. 18.42 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 500 ft below ground level (bgl),
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

STATE ENGINEER'S OFFICE
 2016 OCT 19 AM 12:00

JB

- 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.)
	2 feet below ground surface. 5 gallons per 94 lb sack of cement.	600	589	Drill pipe	Dry hole. 5.375 inch diameter.

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

STATE ENGINEERS OFFICE
 2018 OCT 19 AM 12:00

III. SIGNATURE:

I, _____, 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

10-10-18

Date

JS



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: M-11627-POD 4, Site 5
 Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
 Mailing address: P.O. Box 571
 City: Tyrone State: NM Zip code: 88065

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Christensen
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Gary M. Lochner
- 4) Date well plugging began: 8-26-18 Date well plugging concluded: 8-26-18
- 5) GPS Well Location: Latitude: 32 deg. 36 min. 54.35 sec
Longitude: 108 deg. 21 min. 12.55 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 320 ft below ground level (bgl),
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

STATE ENGINEER'S OFFICE
 AUG 30 PM 5:50

JB

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.)
2	Portland Cement mixed with 5 gallons of water per 94lb bag of cement	370 gallons	370 gallons	drill pipe	Dry hole 5.5 inch diameter hole
300					

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

STATE ENGINEERS OFFICE
 2010 AUG 30 PM 5:50

III. SIGNATURE:

I, Gary M. Lochner, 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.

Gary M. Lochner

Signature of Well Driller

8-26-18

Date

JB



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: M-11677-POD-5 Site 7
 Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
 Mailing address: P.O. Box 571
 City: Tyrone State: NM Zip code: 88043


II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Gary Lochner
- 4) Date well plugging began: 9-22-18 Date well plugging concluded: 9-22-18
- 5) GPS Well Location: Latitude: 32 deg. 36 min. 54.51 sec
Longitude: 108 deg. 21 min. 18.26 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 550 ft below ground level (bgl),
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

53

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.)
	2 feet below ground surface. 5 gallons per 94 lb sack of cement.	700	680	Drill pipe	Dry hole. 5.5 inch diameter.

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

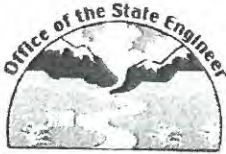
III. SIGNATURE:

I, _____, 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

9-22-18
Date

33



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: M-14677-POD-7 Site 9
4627
 Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
 Mailing address: P.O. Box 571
 City: Tyrone State: NM Zip code: 88043


II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Gary Lochner
- 4) Date well plugging began: 9-10-18 Date well plugging concluded: 9-11-18
- 5) GPS Well Location: Latitude: 32 deg. 36 min. 58.43 sec
Longitude: 108 deg. 21 min. 18.14 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 600 ft below ground level (bgl).
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

STATE ENGINEERS OFFICE
 2018 SEP 17 AM 10:56

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:

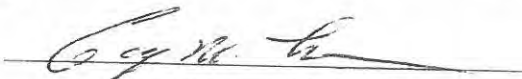
<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
	2 feet below ground surface. 5 gallons per 94 lb sack of cement.	800	740	Drill pipe	Dry hole. 5.5 inch diameter.

STATE ENGINEERS OFFICE
 2018 SEP 17 AM 10:56

MULTIPLY	BY	AND OBTAIN
cubic feet x 7 4805	=	gallons
cubic yards x 201 97	=	gallons

III. SIGNATURE:

I, _____, 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

9-13-18
 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: M-11627-POD 8, Site 10

Well owner: Freeport-McMoRan Tyrone Mining LLC

Phone No.: 575-912-5757

Mailing address: P.O. Box 571

City: Tyrone

State: NM

Zip code: 88065

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Layne Christensen

2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Gary M. Lochner

4) Date well plugging began: 8-28-18 Date well plugging concluded: 8-28-18

5) GPS Well Location: Latitude: 32 deg. 36 min. 58.39 sec
Longitude: 108 deg. 21 min. 13.39 sec. WGS 84

6) Depth of well confirmed at initiation of plugging as: 300 ft below ground level (bgl),
by the following manner: _____

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08

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)

[Empty box for plugging plan differences]

STATE ENGINEER'S OFFICE
AUG 30 PM 5:50

JS

- 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)
2	Portland Cement mixed with 5 gallons of water per 94lb bag of cement	370 gallons	370 gallons	drill pipe	Dry hole 5.5 inch diameter hole
300					

STATE ENGINEERS OFFICE
 CENSUS, NEW YORK
 2010 AUG 30 PM 5:50

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

III. SIGNATURE:

I, Gary M. Lochner, 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.

Gary M. Lochner
Signature of Well Driller

8-28-18
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: M-14677 ¹¹⁸⁵⁷ POD-9 Site 11
 Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
 Mailing address: P.O. Box 571
 City: Tyrone State: NM Zip code: 88043

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Gary Lochner
- 4) Date well plugging began: 9-26-18 Date well plugging concluded: 9-26-18
- 5) GPS Well Location: Latitude: 32 deg, 37 min, 2.41 sec
Longitude: 108 deg, 21 min, 22.74 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 840 ft below ground level (bgl).
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

53

- 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.

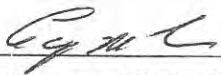
For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremic pipe, other)	Comments (“casing perforated first”, “open annular space also plugged”, etc.)
	2 feet below ground surface. 5 gallons per 94 lb sack of cement.	1,100	990	Drill pipe	Dry hole. 5.375 inch diameter.

MULTIPLY	BY	AND OBTAIN
cubic feet x 7 4805	=	gallons
cubic yards x 201.97	=	gallons

III. SIGNATURE:

I, _____, 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

9-26-18

 Date

55



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: M-11677-POD-10 Site 12
 Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
 Mailing address: P.O. Box 571
 City: Tyrone State: NM Zip code: 88043


II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Gary Lochner
- 4) Date well plugging began: 9-18-18 Date well plugging concluded: 9-19-18
- 5) GPS Well Location: Latitude: 32 deg. 37 min. 2.42 sec
Longitude: 108 deg. 21 min. 18.08 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 750 ft below ground level (bgl).
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

53

- 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)
	2 feet below ground surface. 5 gallons per 94 lb sack of cement.	1,000	925	Drill pipe	Dry hole. 5.5 inch diameter.

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

III. SIGNATURE:

I, _____, 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

9-19-18

Date

JS



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: M11627-POD-12, Site 14
 Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
 Mailing address: P.O. Box 571
 City: Tyrone State: NM Zip code: 88065

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Gary Lochner
- 4) Date well plugging began: 9-5-18 Date well plugging concluded: 9-5-18
- 5) GPS Well Location: Latitude: 32 deg, 37 min, 10.26 sec
Longitude: 108 deg, 21 min, 13.22 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 300 ft below ground level (bgl).
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

STATE ENGINEER'S OFFICE
2018 SEP 11 PM 3:02

M-11627
19.15.25.333

JB



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: M-11627-POD 13, Site 16

Well owner: Freeport-McMoRan Tyrone Mining LLC

Phone No.: 575-912-5757

Mailing address: P.O. Box 571

City: Tyrone

State: NM

Zip code: 88065

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Christensen
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Gary M. Lochner
- 4) Date well plugging began: 8-24-18 Date well plugging concluded: 8-25-18
- 5) GPS Well Location: Latitude: 32 deg, 37 min, 2.32 sec
Longitude: 108 deg, 21 min, 13.34 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 320 ft below ground level (bgl),
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):

STATE ENGINEERS OFFICE
2018 AUG 30 PM 5:50

M-11627
19.15.36.221

J3

- 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.)
2	Portland Cement mixed with 5 gallons of water per 94lb bag of cement	395 gallons	395 gallons	drill pipe	Dry hole 5.5 inch diameter hole
320					

STATE ENGINEERS OFFICE
 PENNSYLVANIA
 2018 AUG 30 PM 5:50

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

III. SIGNATURE:

I, Gary M. Lochner, 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.

Gary M. Lochner

Signature of Well Driller

8-25-18

Date

JS



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: M11627-POD-14, Site 17

Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757

Mailing address: P.O. Box 571

City: Tyrone State: NM Zip code: 88065

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Layne

2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020

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

4) Date well plugging began: 9-7-18 Date well plugging concluded: 9-8-18

5) GPS Well Location: Latitude: 32 deg, 37 min, 6.20 sec
Longitude: 108 deg, 21 min, 13.20 sec. WGS 84

6) Depth of well confirmed at initiation of plugging as: 540 ft below ground level (bgl),
by the following manner: _____

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08


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):

STATE ENGINEERS OFFICE
2018 SEP 11 PM 3:02

J3

- 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:

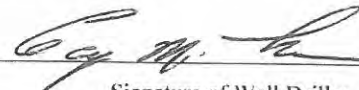
<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
 540 feet	2 Feet Portland Cement 5 gallons per 94 lb of cement	720 gallons	666 gallons	Drill pipe	Dry hole. 5.5 inch diameter.

STATE ENGINEERS OFFICE
 2018 SEP 11 PM 3:02

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

III. SIGNATURE:

I, _____, 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

9-10-18

 Date

37



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: M11627-POD-14, Site 29

Well owner: Freeport-McMoRan Tyrone Mining LLC

Phone No.: 575-912-5757

Mailing address: P.O. Box 571

City: Tyrone

State: NM

Zip code: 88065

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Layne

2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020

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

4) Date well plugging began: 12-6-18 Date well plugging concluded: 12-6-18

5) GPS Well Location: Latitude: 32 deg, 36 min, 58.5 sec
Longitude: 108 deg, 21 min, 22.78 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 750 ft below ground level (bgl),
by the following manner: _____

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08

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):

Empty rectangular box for additional information or attachments.

STATE ENGINEER'S OFFICE
2018 JAN -4 PM 10:20

JB

- 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.)
<p>540 feet</p>	<p>2 Feet Portland Cement 5 gallons per 94 lb of cement</p>	880 gallons	843 gallons	Drill pipe	Dry hole. 5.5 inch diameter.

STATE ENGINEERS OFFICE
 2010 Jan. - 4 AM 10: 26

MULTIPLY	BY	AND OBTAIN
cubic feet x 7 4805	=	gallons
cubic yards x 201 97	=	gallons

III. SIGNATURE:

I, Francisco Polanco, 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

1/3/19

Date

53



PLUGGING RECORD



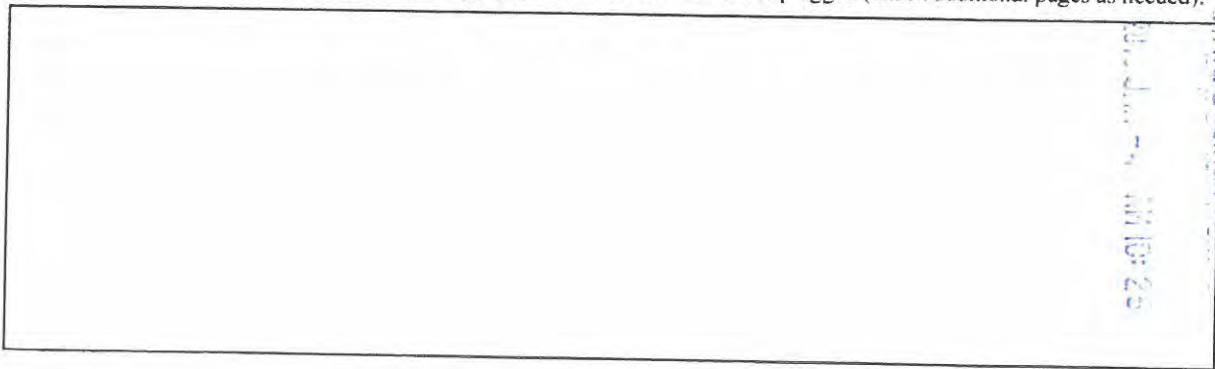
NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: M11627-POD-14, Site 19
Well owner: Freeport-McMoRan Tyrone Mining LLC Phone No.: 575-912-5757
Mailing address: P.O. Box 571
City: Tyrone State: NM Zip code: 88065

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1-31-2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Francisco Polanco
- 4) Date well plugging began: 10-11-18 Date well plugging concluded: 10-12-18
- 5) GPS Well Location: Latitude: 32 deg, 36 min, 46.44 sec
Longitude: 108 deg, 21 min, 13.67 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 460 ft below ground level (bgl),
by the following manner: _____
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7-23-08
- 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):



STATE ENGINEER'S OFFICE
M11627-POD-14
10/12/18

*M-11627
19.15.36-231*

- 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)
540 feet	2 Feet Portland Cement 5 gallons per 94 lb of cement	525 gallons	517 gallons	Drill pipe	Dry hole. 5.25 inch diameter.

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

III. SIGNATURE:

I, Francisco Polanco, 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

10/14/18

Date



Granite Seed - Denver
490 East 76th Ave., Unit A
Denver, CO 80229

3-38213

Date Shipped:

Sold To:
Rocky Mountain Reclamation
Amber Bruner
P.O. Box 1695
Laramie, WY 82073-1695

Project Name: Tyrone
Mix Name: Tyrone
Seed Mix Number: 191691

Letter of Certification

This memo is written to certify that this seed mix is true to label and has been duly tested by a fully accredited seed testing laboratory using rules sanctioned by the Association of Official Seed Analysts. The specifications of the seed used in the mix are as follows:

Common Name	Variety	Origin	Lot #	Purity	G+D+H	%PLS
Triticale	Luoma	CAN	0500-17CF02C	99.58	94 + 0 = 94	93.61
Clover, Purple Prairie	Bismarck	WA	NBS-MS17-BIS-1	98.78	60 + 30 = 90	88.90
Sideoats grama	Pierre	CAN	SOG-15-721	98.02	51 + 42 = 93	91.16
Indian ricegrass	Nezpar	WA	1634-1	99.72	97	96.73
Globemallow, Scarlet	VNS	UT	V-105754	94.08	83	78.09
Blue grama	Bad River	MN	E5559	87.68	96 + 0 = 96	84.17
Sand dropseed	VNS	CO	V-87163	96.48	4 + 92 = 96	92.62

Lot #	Number of Bags	Bulk Lbs. Per Bag
2		50 full
1		.11 partial

Common Name	Lot #	Total Bulk Lbs.	Total PLS Lbs.	% Total Bulk Lbs.
Blue grama	E5559	5.94	5.00	5.93
Clover, Purple Prairie	NBS-MS17-BIS-1	11.25	10.00	11.24
Globemallow, Scarlet	V-105754	6.40	5.00	6.40
Indian ricegrass	1634-1	10.78	10.00	10.77
Sand dropseed	V-87163	1.35	1.25	1.35
Sideoats grama	SOG-15-721	10.97	10.00	10.96
Triticale	0500-17CF02C	53.42	50.00	53.36
Grand Total Lbs:		100.11	91.25	

If you have any questions, please call.

Sincerely,
Granite Seed - Denver

Miranda McCutchen

From:
Granite Seed - Denver
490 East 76th Ave., Unit A
Denver, CO 80229

CERTIFIED COPY OF SEED ANALYSIS

Separate Seed Certification
3-38213

Kind and Variety: TRITICUM AESTIVUM X SECALE CEREALE - TRITICALE - LUOMA

Lot Number: 0500-17CF02C	Origin: CAN	Laboratory Names:
Pure Seed: 99.58 %	Germ % + Hard % 94 + 0 = 94-G	Montana State Seed Lab
Other Crop: 0.00 %	Total Viable %: 94.00	(Purity: Montana State Seed Lab)
Inert Matter: 0.42 %	Date Tested: 12-DEC-17	
Weed Seed: 0.00 %	Prohibited or Restricted Noxious Weed: None	
Pure Live Seed: 93.61 %		

Kind and Variety: DALEA PURPUREUM VAR. PURPUREUM - CLOVER, PURPLE PRAIRIE - BISMARCK

Lot Number: NBS-MS17-BIS-1	Origin: WA	Laboratory Names:
Pure Seed: 98.78 %	Germ % + Hard % 60 + 30 = 90-P&TZ	WA Dept. of Agriculture
Other Crop: 0.00 %	Total Viable %: 90.00	
Inert Matter: 1.09 %	Date Tested: 21-NOV-17	
Weed Seed: 0.13 %	Prohibited or Restricted Noxious Weed: None	
Pure Live Seed: 88.90 %		

Kind and Variety: BOUTELOUA CURTIPENDULA - SIDEOATS GRAMA - PIERRE

Lot Number: SOG-15-721	Origin: CAN	Laboratory Names:
Pure Seed: 98.02 %	Germ % + Hard % 51 + 42 = 93-G	NST Labs
Other Crop: 0.00 %	Total Viable %: 93.00	(Purity: SeedCheck Technologies, Inc)
Inert Matter: 1.98 %	Date Tested: 11-SEP-18	
Weed Seed: 0.00 %	Prohibited or Restricted Noxious Weed: None	
Pure Live Seed: 91.16 %		

Kind and Variety: ACHNATHERUM HYMENOIDES - INDIAN RICEGRASS - NEZPAR

Lot Number: 1634-1	Origin: WA	Laboratory Names:
Pure Seed: 99.72 %	Germ % + Hard % 97 -TZ	Montana State Seed Lab
Other Crop: 0.04 %	Total Viable %: 97.00	(Purity: NST Labs)
Inert Matter: 0.24 %	Date Tested: 07-DEC-17	
Weed Seed: 0.00 %	Prohibited or Restricted Noxious Weed: None	
Pure Live Seed: 92.74 %		

Kind and Variety: SPHAERALCEA COCCINEA - GLOBEMALLOW, SCARLET - VNS


Lot Number: V-105754	Origin: UT	Laboratory Names:
Pure Seed: 94.08 %	Germ % + Hard % 83 -P&TZ	NST Labs
Other Crop: 0.00 %	Total Viable %: 83.00	
Inert Matter: 5.70 %	Date Tested: 05-JUL-18	
Weed Seed: 0.22 %	Prohibited or Restricted Noxious Weed: None	
Pure Live Seed: 78.09 %		

Kind and Variety: BOUTELOUA GRACILIS - BLUE GRAMA - BAD RIVER

Lot Number: E5559	Origin: MN	Laboratory Names:
Pure Seed: 87.68 %	Germ % + Hard % 96 + 0 = 96-G	NST Labs
Other Crop: 0.08 %	Total Viable %: 96.00	(Purity: NST Labs)

Granite Seed - Denver certifies that this analysis accurately represents the original copy of seed analysis and, where applicable, all testing has been conducted by a certified Seed Technologist using the sanctioned rules established by the Association of Official Seed Analysts.

Certified By: Miranda McCutchen

Signature:  Date: 10 / 3 / 18

From:
Granite Seed - Denver
490 East 76th Ave., Unit A
Denver, CO 80229

CERTIFIED COPY OF SEED ANALYSIS

Separate Seed Certification
3-38213

Inert Matter: 12.20 %
Weed Seed: 0.04 %
Pure Live Seed: 84.17 %

Date Tested: 13-DEC-17
Prohibited or Restricted Noxious Weed: None

Kind and Variety: SPOROBOLUS CRYPTANDRUS - SAND DROPSEED - VNS


Lot Number: V-87163
Pure Seed: 96.48 %
Other Crop: 0.00 %
Inert Matter: 3.52 %
Weed Seed: 0.00 %
Pure Live Seed: 92.62 %

Origin: CO
Germ % + Hard % 4 + 92 = 96-G&TZ
Total Viable %: 96.00
Date Tested: 24-APR-18
Prohibited or Restricted Noxious Weed: None

Laboratory Names:
NST Labs
(Purity: NST Labs)

Granite Seed - Denver certifies that this analysis accurately represents the original copy of seed analysis and, where applicable, all testing has been conducted by a certified Seed Technologist using the sanctioned rules established by the Association of Official Seed Analysts.

Certified By: Miranda McCutchen

Signature:  Date: 10 / 3 / 18

CERTIFICATION OF MATERIALS

WYDOT Project No. _____

Location: Tyrone _____

(Date - Sequence Rec'd -Inspector's Initials)

The Granite Seed - Denver 490 East 76th Ave., Unit A Denver, CO 80229
(Name of Manufacturer/Supplier) (Address) (City, State)

has furnished to Rocky Mountain Reclamation P.O. Box 1695 Laramie, WY
(Name of Contractor) (City, State)

the following materials for use in the construction of the above referenced project.

WYDOT VARIETY	Product Description SEPARATES	Quantity PLS #	Unit	Manufacturer BULK #	Applicable Specification ITEM NUMBER
Bad River	Blue grama	5.00		5.94	E5559
Pierre	Sideoats grama	10.00		10.97	SOG-15-721
	Sand dropseed	1.25		1.35	V-87163
Nezpar	Indian ricegrass	10.00		10.78	1634-1
Bismarck	Clover, Purple Prairie	10.00		11.25	NBS-MS17-BIS-1
	Globemallow, Scarlet	5.00		6.40	V-105754
Luoma	Triticale	50.00		53.42	0500-17CF02C

(Mill Test Reports, Heat Numbers, Chemical Analysis Reports, Coating Thickness Reports, Seed Analysis Reports, Transit Certificates, etc. must accompany this form where applicable.)

Statement of Certification

I hereby certify that the above listed items of materials do meet the requirements as set forth in the plans and/or specifications.

By: Miranda McCutchen Title: _____

Miranda McCutchen
(Signature) Date: Oct. 03, 2018

Note: This certification and attachments must be furnished in triplicate to the contractor who, in turn, must submit two copies to the engineer before the material can be incorporated into this project.

Distribution:
 White: Materials Laboratory
 Yellow: Resident Engineer
 Pink: Contractor
 Gold: Manufacturer/Supplier

Copies of this form are available from:
 WYDOT Purchasing Program
 Attn: Storeroom Manager
 P.O. Box 1708
 Cheyenne, WY 82003-1708

Granite Seed - Denver
 490 East 76th Ave., Unit A
 Denver, CO 80229

Mix Name: **Tyrone** 3-38213
 Mix #: **191691** Tyrone

% Pure	Common Name	Variety	G + D or H	Origin
53.13	TRITICALE	Luoma	94 + 0 = 94	CAN
11.10	CLOVER, PURPLE PRAIRIE	Bismarck	60 + 30 = 90	WA
10.74	INDIAN RICEGRASS	Nezpar	93 -TZ	WA
10.74	SIDEOATS GRAMA	Pierre	51 + 42 = 93	CAN
6.02	GLOBEMALLOW, SCARLET	VNS	83 -TZ	UT
5.20	BLUE GRAMA	Bad River	95 + 2 = 97	MN
1.30	SAND DROPSEED	VNS	4 + 92 = 96	CO

0.01 Other Crop Date Tested: 21-Nov-17
 1.73 Inert Matter Hard Seed: 9.33
 0.03 Weed Seed Noxious Weed: echinocloa crusgalli

Net Weight: 45.57 Lbs. PLS 50.00 Lbs. Bulk
 Coverage: 50,000 Bulk #

NOTICE TO BUYER LIMITATIONS OF WARRANTIES AND REMEDIES

Crop yield and quality are dependent upon many factors beyond the control of the labeled seller and NO WARRANTY is made for crop yield and quality. The labeled seller warrants that all seed sold has been labeled as required under applicable state and federal seed law and that the seed conforms to the label description, within recognized tolerances. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL.

No claim shall be asserted against the labeled seller unless Buyer reports to the labeled seller within a reasonable period after discovery (not to exceed thirty days), any condition that might lead to a complaint. BUYER'S EXCLUSIVE REMEDY FOR ANY CLAIM OR LOSS RESULTING FROM BREACH OF WARRANTY, BREACH OF CONTRACT OR NEGLIGENCE (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES) SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE.

By acceptance of the seed, Buyer agrees the terms and conditions stated above are a benefit to the bargain and constitute the entire agreement between Buyer and the labeled seller. Buyer shall return the original unopened seed package to the labeled seller within twenty days of receipt for a refund of the purchase price if not accepted under these terms.

NOTICE: REQUIRED ARBITRATION / CONCILIATION / MEDIATION

The seed laws of several states including Arkansas, California, Colorado, Florida, Georgia, Idaho, Illinois, Indiana, Minnesota, Mississippi, Montana, North Dakota, South Carolina (Section 46-21-260), South Dakota, Texas and Washington require arbitration, conciliation or mediation of disputes involving alleged defective seed before certain legal actions may be maintained against a seller. North Carolina offers an alternative to court action that allows claims to be investigated and heard before the Special Seed Board. A complaint (worn for AR, CO, FL, IL, IN, MN, MS, MT, NC, SC, TX, WA, signed only CA, GA, ID, ND, SD) must be filed with the Department of Agriculture or Seed Commissioner (IN) or State Plant Board (AR) or Commissioner of Agriculture (NC) within such time to permit an inspection of seed, crops or plants (by an Arbitration Committee - AR, ID, MS, SC). In NC, failure to follow this procedure will limit the amount of damages recoverable. Certified copy of complaint must be sent by registered mail to the labeled seller as provided in individual state law. Information about these requirements may be obtained from the state Department of Agriculture.

Rocky Mountain Reclamation
 1254 N. Second St.
 Laramie, WY 82070

Granite Seed - Denver
 490 East 76th Ave., Unit A
 Denver, CO 80229

Mix Name: **Tyrone** 3-38213
 Mix #: **191691** Tyrone

% Pure	Common Name	Variety	G + D or H	Origin
53.13	TRITICALE	Luoma	94 + 0 = 94	CAN
11.10	CLOVER, PURPLE PRAIRIE	Bismarck	60 + 30 = 90	WA
10.74	INDIAN RICEGRASS	Nezpar	93 -TZ	WA
10.74	SIDEOATS GRAMA	Pierre	51 + 42 = 93	CAN
6.02	GLOBEMALLOW, SCARLET	VNS	83 -TZ	UT
5.20	BLUE GRAMA	Bad River	95 + 2 = 97	MN
1.30	SAND DROPSEED	VNS	4 + 92 = 96	CO

0.01 Other Crop Date Tested: 21-Nov-17
 1.73 Inert Matter Hard Seed: 9.33
 0.03 Weed Seed Noxious Weed: echinocloa crusgalli

Net Weight: 45.57 Lbs. PLS 50.00 Lbs. Bulk
 Coverage: 50.000 Bulk #

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 Laramie, WY 82070

Attachment D:

Electronic Copy of Application Materials (provided on CD)