

**FREEPORT-McMoRAN**

Freeport-McMoRan Chino Mines Company
P.O. Box 10
Bayard, NM 88023

July 31, 2023

Certified Mail #70182290000117919380

Mr. Kevin C. Myers
Energy, Minerals and Natural Resources Department (EMNRD)
Mining and Minerals Division (MMD)
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Myers:

**Re: Freeport-McMoRan Chino Mines Company (Chino)
Continental Mine (Cobre) Exploration Drilling Holes, MMD GR002RE**

Per Permit GR002RE Rev. 15-2 Condition 8.J.9, Chino began conducting exploration drilling at Cobre on approximately June 15, 2022 and continues with drilling to present day. The exploration drill holes identified on the Cobre Drilling Project arial map and Table 1 have been or will be properly abandoned and sealed in accordance with the OSE requirements. Abandonment records have been enclosed as requested.

Chino has started to regrade and revegetate the new drilling disturbances in 2023 to control erosion and enhance stability. BMP's and other erosion control measures will be used for all disturbances (exploration roads, drill pads, etc.). Reclamation of pads and roads constructed solely for this project, and that will not be used in future exploration, will begin within 30 days of completion of exploration drilling.

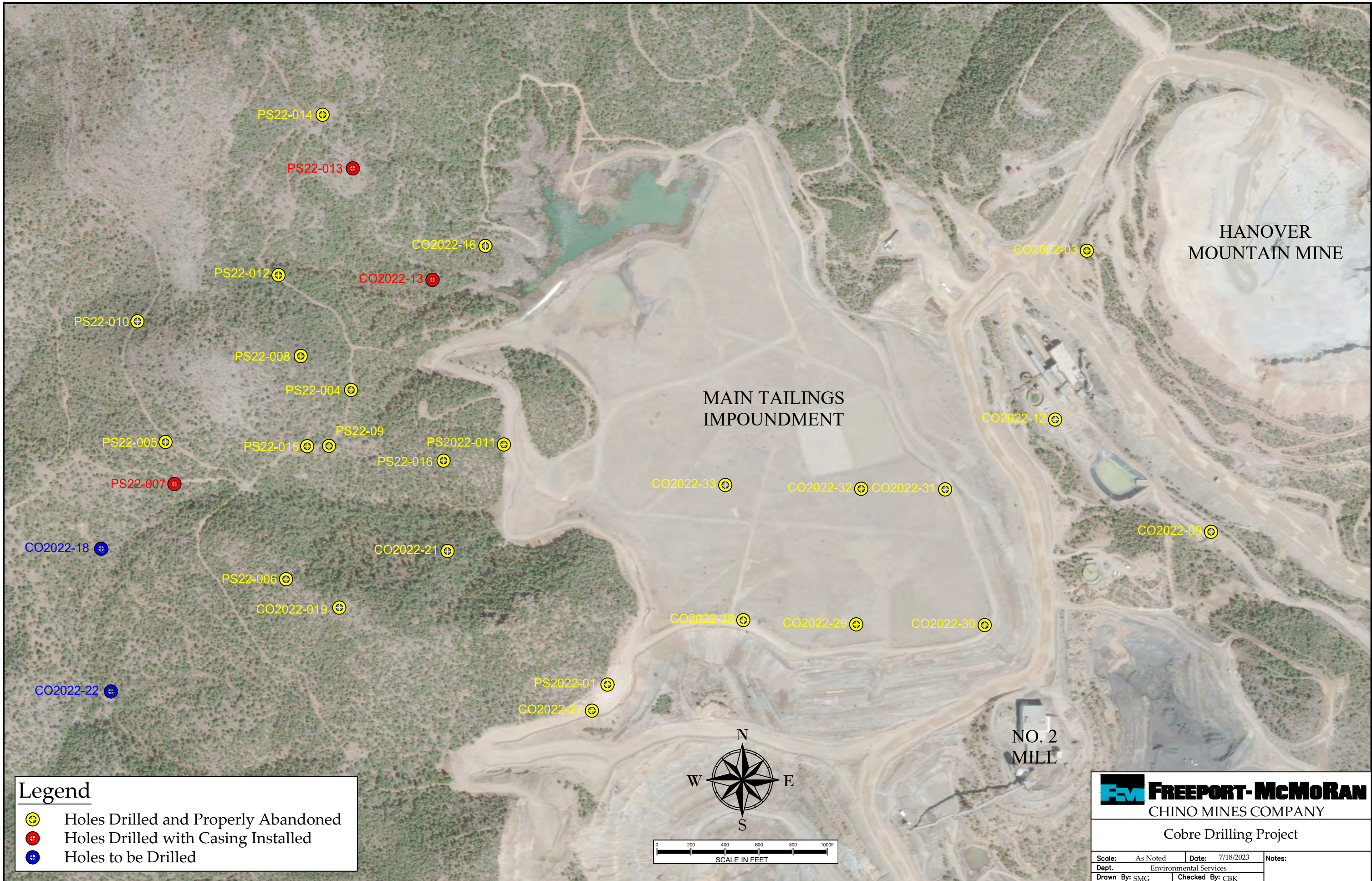
Cobre will also identify any areas of new disturbance and related reclamation measures in the annual report submitted in April.

If you have any questions or concerns related to this report, please contact Christian Krueger at (575) 912-5349 or Mariana Lafon at (575) 519-9572.

Sincerely,

Tyler R. Johnson
Chief Environmental Engineer
Environmental Services

TRJ:ck
Enclosures
20230728-001



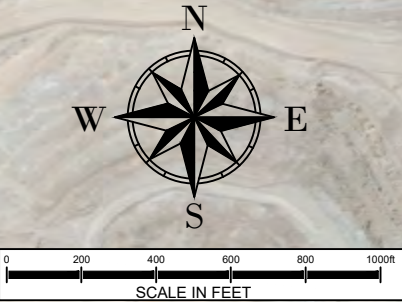
HANOVER MOUNTAIN MINE

MAIN TAILINGS IMPOUNDMENT

NO. 2 MILL

Legend

- ⊕ Holes Drilled and Properly Abandoned
- ⊕ Holes Drilled with Casing Installed
- ⊕ Holes to be Drilled



FREEPORT-McMORAN
CHINO MINES COMPANY

Cobre Drilling Project

Scale: As Noted	Date: 7/18/2023	Notes:
Dept. Environmental Services		
Drawn By: SMG	Checked By: CBK	

Freeport-McMoRan Chino Mines Company

Table 1

Drill Hole Coordinates and Drilling Status

POD ID	Planned HOLE ID	X	Y	Z	Status
POD22	CO2022-28	-7086.355	19227.136	7023.114	Drilled
POD23	CO2022-29	-6422.204	19203.883	7010.251	Drilled
POD24	CO2022-30	-5665.895	19201.693	7020.611	Drilled
POD25	CO2022-31	-5901.433	19999.475	7020.125	Drilled
POD26	CO2022-32	-6394.701	20001.43	7007.424	Drilled
POD27	CO2022-33	-7194.815	20021.44	7004.138	Drilled
POD28	CO2022_01	-2828	22600	6850	Never Drilled
POD29	CO2022_02	-5000	21075	6925	Never Drilled
POD30	CO2022_03	-5070.977	21404.596	6961.969	Drilled
POD31	CO2022_04	-5000	20700	6890	Never Drilled
POD32	CO2022_05	-5155	19992	6800	Never Drilled
POD33	CO2022_07	-5000	19400	6925	Never Drilled
POD34	CO2022_08	-4700	19700	6865	Never Drilled
POD35	CO2022_09	-4336.019	19753.824	6762.531	Drilled
POD36	CO2022_10	-5300	19700	6925	Never Drilled
POD37	CO2022_11	-5300	19700	6925	Never Drilled
POD38	CO2022_12	-5255.154	20411.46	6823.198	Drilled
POD39	CO2022_27	-7976.197	18692.427	7045.299	Drilled
POD40	PS2022-01	-7884.92	18846.446	7045.687	Drilled
POD41	PS2022-02	N/A	N/A	N/A	Never Drilled
POD42	PS2022-09	-9526.195	20244.551	7176.896	Drilled as POD90
POD43	CO2022-16	N/A	N/A	N/A	Drilled as POD78
POD44	CO2022-017	N/A	N/A	N/A	Never Drilled
POD45	PS2022-003	-7820	19615	7052	Never Drilled
POD46	PS2022-011	-8497.417	20256.31	7076.996	Drilled
POD77	PS22-016	-8852.412	20160.278	7200.272	Drilled
POD78	CO2022-16	-8609.887	21423.275	7087.23	Drilled
POD79	CO2022-13	-8920.128	21223.053	7113.241	Drilled
POD80	CO2022-21	-8827.769	19628.89	7213.287	Drilled
POD81	CO2022_06	-5000	19700	6920	Never Drilled
POD82	CO2022-018				In Progress
POD83	CO2022-019	-9464.048	19294.432	7386.634	Drilled
POD84	CO2022-022				In Progress
POD85	PS22-004	-9398.179	20574.809	7125.147	Drilled
POD86	PS22-005	-10488.17	20265.34	7268.958	Drilled
POD87	PS22-006	-9776.985	19461.125	7362.274	Drilled
POD88	PS22-007	-10435.499	20018.895	7178.573	Drilled
POD89	PS22-008	-9693.919	20773.506	7269.281	Drilled
POD90	PS22-009	-9526.195	20244.551	7176.896	Drilled
POD91	PS22-012	-9826.902	21248.539	7193.845	Drilled
POD92	PS22-013	-9391.084	21877.163	7232.679	Drilled
POD93	PS22-014	-9569.669	22192.472	7296.181	Drilled
POD94	PS22-015	-9654.587	20242.612	7165.541	Drilled
POD95	PS22-010	-10655.625	20975.13	7300.627	Drilled



WELL RECORD & LOG

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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD22 (CO2022-28)		WELL TAG ID NO.		OSE FILE NO(S). M-11649			
	WELL OWNER NAME(S) Freeport-McMoran Chino Mines Co.				PHONE (OPTIONAL) (575) 912-5263			
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 51	5.4	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LONGITUDE	-108	5	33.3	W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW 1/4, NE 1/4, NE 1/4, S9, T17S, R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Scott Graham			NAME OF WELL DRILLING COMPANY Layne		
	DRILLING STARTED 05/18/2022	DRILLING ENDED 06/01/2022	DEPTH OF COMPLETED WELL (FT) 1200	BORE HOLE DEPTH (FT) 1200	DEPTH WATER FIRST ENCOUNTERED (FT) 178			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 178	DATE STATIC MEASURED 06/04/2022		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	215	7	steel surface / blank	welded	6"	0.25	N/A
	215	1200	5.5	N/A	N/A	N/A	N/A	N/A
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	5	7"	Hole Plug	150 lbs	Hand		

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2



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: PO22 (CO2022-28)

Well owner: Freeport-McMoran Chino Mines Co.

Phone No.: (575)-912-5263

Mailing address: P.O Box 10

City: Bayard

State: NM

Zip code: 88023

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: 3/31/2024

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

4) Date well plugging began: 6/4/22

Date well plugging concluded: 6/4/22

5) GPS Well Location: Latitude: 32 deg, 51 min, 5.4 sec

Longitude: -108 deg, 5 min, 33.3 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 1200 ft below ground level (bgl),
by the following manner: _____

7) Static water level measured at initiation of plugging: 178 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 02/03/2022

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	Cement	1530	1530	Pipe	NO Annular space 5.2 Gallons H2O per 94 lb Cement Blank Casing
1200					

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

III. SIGNATURE:

I, Robert L Murray, 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.

Robert L Murray
Signature of Well Driller

6/5/22
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: PO23-(CO2022-29)

Well owner: Freeport-McMoran Chino Mines Co. Phone No.: (575)-912-5263

Mailing address: P.O Box 10

City: Bayard State: NM Zip code: 88023

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: 3/31/2024
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Todd Mallory
- 4) Date well plugging began: 5/17/22 Date well plugging concluded: 5/18/22
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 5.1 sec
Longitude: -108 deg, 5 min, 24.4 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 1200 ft below ground level (bgl),
by the following manner: _____
- 7) Static water level measured at initiation of plugging: 208 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 02/03/2022
- 9) Were all plugging activities consistent with an approved plugging plan? _____ 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	Cement	1546	1546	Pipe	NO Annular space 5.2 Gallons H2O per 94 lb Cement Black Casing
1200					

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

III. SIGNATURE:

I, Todd L Malloy, 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.

Todd L Malloy
Signature of Well Driller

5/26/22
Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD23 (CO2022-29)		WELL TAG ID NO.		OSE FILE NO(S). M-11649			
	WELL OWNER NAME(S) Freeport-McMoran Chino Mines Co.				PHONE (OPTIONAL) (575) 912-5263			
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 5.1	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LONGITUDE -108	5	24.4	W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE 1/4, N/E 1/4, NW 1/4, S9, T17S, R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Scott Graham			NAME OF WELL DRILLING COMPANY Layne		
	DRILLING STARTED 05/05/2022	DRILLING ENDED 05/16/2022	DEPTH OF COMPLETED WELL (FT) 1200	BORE HOLE DEPTH (FT) 1200	DEPTH WATER FIRST ENCOUNTERED (FT) 255			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 208	DATE STATIC MEASURED 05/17/2022		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	275	7	steele surface	welded	6"	0.25	N/A
	275	1200	5.5	N/A	N/A	N/A	N/A	N/A
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	2	7"	Hole Plug	50 lbs	Hand		
				No annular space				
				Casing advanced				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <i>(attach supplemental sheets to fully describe all units)</i>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			
0	230	230	Tailings Mud	Y <input checked="" type="checkbox"/> N	
230	270	40	Fill	<input checked="" type="checkbox"/> Y N	2.50
270	370	100	Green meta-sandstone/siltstone	Y <input checked="" type="checkbox"/> N	
370	400	30	White quartzite	Y <input checked="" type="checkbox"/> N	
400	630	230	Grey santa rita stock	Y <input checked="" type="checkbox"/> N	
630	730	100	Dark green limestone skarn	Y <input checked="" type="checkbox"/> N	
730	810	80	Grey santa rita stock	Y <input checked="" type="checkbox"/> N	
810	900	90	Green meta-sandstone/siltstone	Y <input checked="" type="checkbox"/> N	
900	1200	300	Grey santa rita stock	Y <input checked="" type="checkbox"/> N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
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				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm): 2.5	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
	MISCELLANEOUS INFORMATION:				
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: <i>TOOD L MALLORY</i>					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:				
	<i>Michelle L Mallory</i>			<i>TOOD L MALLORY</i>	<i>05/26/22</i>
	SIGNATURE OF DRILLER			PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



WELL RECORD & LOG

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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD24 (CO2022-30)		WELL TAG ID NO. -		OSE FILE NO(S) M-11649	
	WELL OWNER NAME(S) Freeport-McMoran Chino Mines Co.				PHONE (OPTIONAL) (575) 312-5263	
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM
					ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 51	SECONDS 5.2	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LATITUDE					
	LONGITUDE	-108	5	16.5	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE 1/4, NW 1/4, NE 1/4, S9, T17S, R12W						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728	NAME OF LICENSED DRILLER Scott Graham			NAME OF WELL DRILLING COMPANY Layne			
	DRILLING STARTED 4/18/22	DRILLING ENDED 5/4/22	DEPTH OF COMPLETED WELL (FT) 1220	BORE HOLE DEPTH (FT) 1220	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 219	DATE STATIC MEASURED 5/13/22		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	235	7"	BLANK STEEL	WELD	6"	.25	N/A
	235	1220	5.5"	N/A	N/A	N/A	N/A	N/A

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	2	7"	HOLE plug	50 lbs	HAND

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL						DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
						FROM	TO			Y	N	
		0	50	50				Fill	Y	<input checked="" type="radio"/>		
		50	130	80				Tailings sands	Y	<input checked="" type="radio"/>		
		130	240	111				fill	<input checked="" type="radio"/>	N	7	
		240	1220	980				Dark-Green Grey Subpyroph Stock	Y	<input checked="" type="radio"/>		
									Y	N		
									Y	N		
									Y	N		
									Y	N		
									Y	N		
									Y	N		
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									Y	N		
									Y	N		
									Y	N		
									Y	N		
									Y	N		
									Y	N		
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:									TOTAL ESTIMATED WELL YIELD (gpm): 7			

5. TEST; RIG SUPERVISION		WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION:
		PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Toon L Malloy

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	SIGNATURE OF DRILLER: <i>Toon L Malloy</i>	PRINT SIGNEE NAME: Toon L Malloy
		DATE: 5/26/22

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 2 OF 2



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: POD24 (CO2022-30)

Well owner: Freeport-McMoran Chino Mines Co.

Phone No.: (575) 312-5263

Mailing address: P.O. Box 10

City: Bayard

State: NM

Zip code: 88023

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: 01/31/2024

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

4) Date well plugging began: 5/3/22

Date well plugging concluded: 5/4/22

5) GPS Well Location: Latitude: 32 deg, 51 min, 5.2 sec

Longitude: -108 deg, 5 min, 16.5 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 219 1250 ft below ground level (bgl),
by the following manner: _____

7) Static water level measured at initiation of plugging: 219 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 02/03/2022

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.)
1220	CEMENT	1560	1560	PIPE	NO ANNULAR SPACE 5.2 GALLONS H ₂ O PER 94 lb CEMENT BLANK CASING

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

Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD25 (CO2022-31)		WELL TAG ID NO. -		OSE FILE NO(S) M-11649	
	WELL OWNER NAME(S) Freeport McMoran Chino Mines Co.				PHONE (OPTIONAL) (575) 312-5263	
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE ZIP NM 88023
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE	32	51 13.0 N		
	LONGITUDE	-108	5 19.3 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW 1/4, SE 1/4, SW 1/4, S4, T17S, R12W						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Scott Graham			NAME OF WELL DRILLING COMPANY Layne		
	DRILLING STARTED 4/6/22	DRILLING ENDED 4/18/22	DEPTH OF COMPLETED WELL (FT) 1240	BORE HOLE DEPTH (FT) 1240	DEPTH WATER FIRST ENCOUNTERED (FT) 235			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 235	DATE STATIC MEASURED 4/19/22		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	235	7	steel	welder	6	.25	NA
235	1240	5.5	N/A	N/A	N/A	N/A	N/A	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	2	7	hole plug, no annular space	50 lbs	hand

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
4. HYDROGEOLOGIC LOG OF WELL	0	220	220	Fill and tailings mud	(X) Y	N	S
	220	410	190	grey sandstone/siltstone	Y	(X) N	
	410	480	70	grey-white quartzite	Y	(X) N	
	480	850	370	grey limestone w/ shale	Y	(X) N	
	850	1040	190	black-green skarn	Y	(X) N	
	1040	1240	200	green-grey stock	Y	(X) N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: <i>Todd L Murray</i>	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	<i>Lachlan Murray</i> SIGNATURE OF DRILLER	<i>Todd L Murray</i> PRINT SIGNEE NAME



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: POD25 (CO2022-31)

Well owner: Freeport McMoran Chino Mines Co.

Phone No.: (575) 312-5263

Mailing address: P.O. Box 10

City: Bayard

State: _____

NM

Zip code: 88023

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: 01/31/2024

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

4) Date well plugging began: 4/19/22 Date well plugging concluded: 4/20/22

5) GPS Well Location: Latitude: 32 deg, 51 min, 13 sec
Longitude: -108 deg, 5 min, 19.3 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 1240 ft below ground level (bgl),
by the following manner: drill pipe

7) Static water level measured at initiation of plugging: 235 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 02/03/22

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.)
1240'	concrete	1585	1584	pipe	no annular space. 5.2 gallons water per 94 lbs cement. Blank casing

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

III. SIGNATURE:

I, Todd Mallory, 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.

Todd Mallory
Signature of Well Driller

5/26/22
Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD26 (CO2022-32)		WELL TAG ID NO. -		OSE FILE NO(S) M-11649		
	WELL OWNER NAME(S) Freeport McMoran Chino Mines Co.				PHONE (OPTIONAL) (575) 912-5263		
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM	ZIP 88023
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 51	SECONDS 12.0	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE		N			
LONGITUDE		-108		5		25.1 W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE 1/4, SE 1/4, SW 1/4, S4, T17S, R12W							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Scott Graham			NAME OF WELL DRILLING COMPANY Layne		
	DRILLING STARTED 3/4/22	DRILLING ENDED 3/18/22	DEPTH OF COMPLETED WELL (FT) 1340	BORE HOLE DEPTH (FT) 1340	DEPTH WATER FIRST ENCOUNTERED (FT) 225			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 172	DATE STATIC MEASURED 3/20/22		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	225	7	steel	welder	6	.025	N/A
	225	1340	5.5	N/A	N/A	N/A	N/A	N/A

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	2	7	hole plug	50 lbs	hand
				no annular space		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.		POD NO.	TRN NO.		
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	160	160	tailings mud	Y	<input checked="" type="radio"/> N	
	160	210	50	fill	<input checked="" type="radio"/> Y	N	88
	210	370	160	grey sandstone/siltstone	Y	<input checked="" type="radio"/> N	
	370	550	180	grey limestone	Y	<input checked="" type="radio"/> N	
	550	600	50	grey sandstone	Y	<input checked="" type="radio"/> N	
	600	750	150	grey sandstone with shale	Y	<input checked="" type="radio"/> N	
	750	1170	620	dark green skarn	Y	<input checked="" type="radio"/> N	
	1170	1340	170	grey-green stock	Y	<input checked="" type="radio"/> N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Todd L Malloy						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
	Signature of Driller / Print Signee Name: <u>Todd L Malloy</u>					DATE: <u>5/22/26</u>	



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: POD26 (CO2022-32)

Well owner: Freeport-McMoran Chino Mines Co.

Phone No.: (575) 912-5263

Mailing address: P.O. Box 10

City: Bayard

State: NM

Zip code: 88023

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: 01/21/2024

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

4) Date well plugging began: 3/20/22

Date well plugging concluded: 3/21/22

5) GPS Well Location: Latitude: 32 deg, 51 min, 12.0 sec

Longitude: -108 deg, 5 min, 25.1 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 1340 ft below ground level (bgl),
by the following manner: drill pipe

7) Static water level measured at initiation of plugging: 172 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 02/03/22

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.)
1340	concrete	1533	1533	RC pipe inner barrel	Pump through pipe from bottom out. No annular space. 5.2 gallon water per 94 lb sack cement. Blank casing.

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

III. SIGNATURE:

I, Todd Mallory, 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.

Todd Mallory
Signature of Well Driller

5/26/22
Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD27 (CO2022-33)		WELL TAG ID NO. -		OSE FILE NO(S). M-11649	
	WELL OWNER NAME(S) Freeport-McMoran Chino Mines Co.				PHONE (OPTIONAL) (575) 912-5263	
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM
					ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 50	SECONDS 13.2	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LATITUDE			* DATUM REQUIRED: WGS 84		
	LONGITUDE	-108	5	34.5	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW 1/4, SE 1/4, SW 1/4, S4, T17S, R12W						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728	NAME OF LICENSED DRILLER Scott Graham			NAME OF WELL DRILLING COMPANY Layne			
	DRILLING STARTED 3/22/22	DRILLING ENDED 4/3/22	DEPTH OF COMPLETED WELL (FT) 1400	BORE HOLE DEPTH (FT) 1400	DEPTH WATER FIRST ENCOUNTERED (FT) 175			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 175	DATE STATIC MEASURED 4/4/22		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	175	7	steel	welded	6	.25	N/A
	175	1400	5.5	N/A	N/A	N/A	N/A	N/A

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	2	7	hole plug. No annular space	50 lbs	hand

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	160	160	tailings mud	Y	N	
	160	200	40	fill	Y	N	17
	200	510	310	grey sandstone/siltstone	Y	N	
	510	610	100	grey stock	Y	N	
	610	730	120	green-black skarn	Y	N	
	730	820	90	green skarn	Y	N	
	820	890	70	grey quartzite	Y	N	
	890	1200	310	green black skarn	Y	N	
	1200	1300	100	dark green skarn	Y	N	
	1300	1400	100	green black greenstone	Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: TOOD L MALLORY	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><i>TOOD L MALLORY</i> TOOD L MALLORY</p> <p>SIGNATURE OF DRILLER / PRINT SIGNEE NAME</p> </div> <div style="width: 35%;"> <p>5/26/22</p> <p>DATE</p> </div> </div>
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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: POD27 (CO2022-33)

Well owner: Freeport-McMoran Chino Mines Co.

Phone No.: (575) 912-5263

Mailing address: P.O. Box 10

City: Bayard

State: NM

Zip code: 88023

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: 03/31/2024

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

4) Date well plugging began: 04/04/2022

Date well plugging concluded: 04/05/2022

5) GPS Well Location: Latitude: 32 deg, 50 min, 13.2 sec

Longitude: -108 deg, 5 min, 34.5 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 1400 ft below ground level (bgl),
by the following manner: drill pipe

7) Static water level measured at initiation of plugging: 175 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 02/03/2022

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.)
1400	cement	1862	1862	pipe	no annular space. 5.2 gallon water per 94 lb cement

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

III. SIGNATURE:

I, Todd Mallory, 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.

Todd 2 Mallory
Signature of Well Driller

5/26/22
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: POD30 (CO2022-03)

Well owner: Freeport-McMoran Chino Mines Co.

Phone No.: (575) 312-5263

Mailing address: P.O. Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Boart Longyear

2) New Mexico Well Driller License No.: WD-1854

Expiration Date: 02/07/2025

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

Tyrel Albright

4) Date well plugging began: 12/22/22

Date well plugging concluded: 12/23/22

5) GPS Well Location: Latitude: 32 deg, 51 min, 26.31 sec

Longitude: -108 deg, 5 min, 9.096 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 829 ft below ground level (bgl),
by the following manner: Pumped through tremie

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: 07/23/08

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):

- 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.

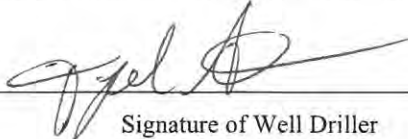
For each interval plugged, describe within the following columns:

<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.)
06	Portland Cement Slurry 94#sack per 5.2 gallons of water	543	513	Drill string	Plugged open hole
829					

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

III. SIGNATURE:

I, Tyrel Albright, 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

12/22/22

 Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD30(CO2022-03)		WELL TAG ID NO. -		OSE FILE NO(S). M-11649		
	WELL OWNER NAME(S) Freeport McMoran Chino				PHONE (OPTIONAL) 575-915-5263		
	WELL OWNER MAILING ADDRESS P.O BOX 10				CITY BOYARD	STATE NM	ZIP 88023
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 26.31 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -108	5	9.086 W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW1/4SE1/4, S4, T17S, R12W							


2. DRILLING & CASING INFORMATION	LICENSE NO. W-1854	NAME OF LICENSED DRILLER Tyrel Albright			NAME OF WELL DRILLING COMPANY Boart Longyear			
	DRILLING STARTED 12/16/22	DRILLING ENDED 12/22/22	DEPTH OF COMPLETED WELL (FT) 829	BORE HOLE DEPTH (FT) 829	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD				ADDITIVES - SPECIFY: (Bentonite)/LIQUID POLYMER			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Core rig				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	50	4.827	Casing pulled casing				
	50	829	3.895	Drill pipe				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	78	78	Colorado formation: Gray fine to medium grained massive rich sandstone	Y	N	
	78	688	610	Colorado SS; (sans yellow lims) dark brn-gray vfg-fg med-well sorted arkosic	Y	N	
	688	698	110	Late qtz diorite: dark green; QS+ chl altered; equigranular qtz eyes	Y	N	
	698	756	58	fault brx w/ clasts of beartooth qtzite and co arkosic ss w/ tan silts; clean gray fg-	Y	N	
	756	774	18	ansition between Btooth & Syrena or altered margin?) dark green-black chl+bt +	Y	N	
	774	829	55	a; dark gry-brn qtz bt hornfels -- >s drk-lt grn+tan diop>chl hornfels w/ blotchy t	Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: N/A					N/A		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION:
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Palanco	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Tyrel Albright	12/22/22
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE



WELL RECORD & LOG


OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD35(CO2022-09)		WELL TAG ID NO. -		OSE FILE NO(S). M-11649			
	WELL OWNER NAME(S) Freeport McMoran Chino				PHONE (OPTIONAL) 575-915-5263			
	WELL OWNER MAILING ADDRESS P.O BOX 10				CITY BOYARD	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 10.08 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE -108	5	0.99 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4SE1/4, S4, T17S, R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. W-1728		NAME OF LICENSED DRILLER FRANCISCO PALANCO			NAME OF WELL DRILLING COMPANY LAYNE LLC		
	DRILLING STARTED 8/26/22	DRILLING ENDED 8/31/22	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 823	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD				ADDITIVES - SPECIFY: (Bentonite)/LIQUID POLYMER			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Diamond drill				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	823	3.78					
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	N/A							

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO			Y	N		
4. HYDROGEOLOGIC LOG OF WELL	0	20	20	Backfill	Y	N		
	20	172	130	Colorado formation: Green Colorado silstone with abundant clay gouge	Y	✓ N		
	172	244	22	Syrena formation: red garnet skarn	Y	N		
	244	456	212	Syrena formation: gred garnet skarn with diopside hornfels	Y	N		
	456	493	37	Syrena Formation :light green to Tan diopside/hornfel Colorado formation	Y	N		
	493	666	173	Oswaldo FM: Massive black mag skarn	Y	N		
	666	770	104	Lake Valley limestone: lighth gray massive limestone	Y	N		
	770	823	53	Granodiorite dike: gray-green Qtz-felspar	Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
	<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: N/A					N/A		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Palanco	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Francisco Palanco _____ 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: POD35 (CO2022-09)

Well owner: Freeport-McMoran Chino Mines Co.

Phone No.: (575) 312-5263

Mailing address: P.O. Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

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

2) New Mexico Well Driller License No.: WD-1728

Expiration Date: 01/31/2024

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

Francisco Palanco

4) Date well plugging began: 8/31/22

Date well plugging concluded: 8/31/22

5) GPS Well Location: Latitude: 32 deg, 51 min, 10.08 sec

Longitude: -108 deg, 5 min, 0.99 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 823 ft below ground level (bgl),
by the following manner: Pumped through tremie

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: 07/23/08

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):

- 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.)
	Grout Consisting fo 5.2 gallons of waser to 1 94LB sack of portland Cement	480	479	Tremie Pipe	open hole

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

III. SIGNATURE:

I, Francisco Palanco, 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

8/31/22

Date




WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD38(CO2022-12)		WELL TAG ID NO. -		OSE FILE NO(S). M-11649			
	WELL OWNER NAME(S) Freeport McMoran Chino				PHONE (OPTIONAL) 575-915-5263			
	WELL OWNER MAILING ADDRESS P.O BOX 10				CITY BOYARD	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 16.2 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
	LONGITUDE -108	5	11.40 W					
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW1/4SE1/4, S4, T17S,R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. W-1728		NAME OF LICENSED DRILLER FRANCISCO PALANCO			NAME OF WELL DRILLING COMPANY LAYNE LLC		
	DRILLING STARTED 8/31/22	DRILLING ENDED 9/11/22	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 800	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD				ADDITIVES – SPECIFY: (Bentonite)/LIQUID POLYMER			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Diamond drill				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	800						
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	N/A							

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO			Y	N		
4. HYDROGEOLOGIC LOG OF WELL	0	36	36	Backfill	Y	N		
	65	248	183	Colorado fm: green-white and Brown hornfels	Y	N		
	248	320	72	Beartooth Qtzite: Massive gray crystalline quartzite.	Y	N		
	320	506	186	Abo fm: red garn skarn with calcereous layersand with shaley layers	Y	N		
	506	800	294	Syrena fm: massive blue green diopside hornfels skarn	Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
	<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: N/A					N/A		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
	MISCELLANEOUS INFORMATION:							
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Palanco							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:							
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				Francisco Palanco 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: POD38 (CO2022-12)

Well owner: Freeport-McMoran Chino Mines Co.

Phone No.: (575) 312-5263

Mailing address: P.O. Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

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

2) New Mexico Well Driller License No.: WD-1728

Expiration Date: 01/31/2024

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

Francisco Palanco

4) Date well plugging began: 9/11/22

Date well plugging concluded: 9/11/22

5) GPS Well Location: Latitude: 32 deg, 51 min, 16.2 sec

Longitude: -108 deg, 5 min, 14.40 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 800 ft below ground level (bgl),
by the following manner: Pumped through tremie


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: 07/23/08

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):

- 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.)
	Grout Consisting fo 5.2 gallons of waser to 1 94LB sack of portland Cement	470	466	Tremie	Open hole

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

III. SIGNATURE:

I, Francisco Palanco, 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

9/11/22

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: POD39 (CO2022-27)

Well owner: Freeport-McMoran Chino Mines Co.

Phone No.: (575) 312-5263

Mailing address: P.O. Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

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

2) New Mexico Well Driller License No.: WD-1728

Expiration Date: 01/31/2024

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

Francisco Palanco

4) Date well plugging began: 8/26/22

Date well plugging concluded: 8/26/22

5) GPS Well Location: Latitude: 32 deg, 50 min, 59.85 sec

Longitude: -108 deg, 5 min, 42.9 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 1500 ft below ground level (bgl),
by the following manner: Pumped through tremie

7) Static water level measured at initiation of plugging: 1500 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 07/23/08

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):

- 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.)
	Grout Consisting fo 5.2 gallons of waser to 1 94LB sack of portland Cement	875	874	Tremie	Open hole

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

III. SIGNATURE:

I, Francisco Palanco, 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

8/26/22

Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us


1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD39(CO2022-27)		WELL TAG ID NO. -		OSE FILE NO(S). M-11649	
	WELL OWNER NAME(S) Freeport McMoran Chino				PHONE (OPTIONAL) 575-915-5263	
	WELL OWNER MAILING ADDRESS P.O BOX 10				CITY BOYARD	STATE ZIP NM 88023
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 50	SECONDS 59.85 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE	-108	5 42.9 W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW1/4NW1/4, S9, T17S, R12W						

2. DRILLING & CASING INFORMATION	LICENSE NO. W-1728		NAME OF LICENSED DRILLER FRANCISCO PALANCO			NAME OF WELL DRILLING COMPANY LAYNE LLC		
	DRILLING STARTED 8/9/22	DRILLING ENDED 8/26/22	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1500	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD				ADDITIVES – SPECIFY: (Bentonite)/LIQUID POLYMER			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Diamond drill					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	1500	3.78					

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	N/A					

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO		Y	N	
0	65	65	Colorado FM: Tan to green Brecciated Colorado siltstone and shale	Y	N	
65	548	483	Continental Breccia: Green Di hornfels.	Y	N	
548	1022	474	Oswaldo FM: red-brown garnet skarn	Y	N	
1022	1040	Q18	Syrena formation: gred garnet skarn with diopside hornfels	Y	N	
1040	1418	378	QMP: white Quartz monzonite porphyry	Y	N	
1418	1487	69	Percha shale: white-green hard diopside hornfels and biotite hornfels	Y	N	
1487	1500	187	Fusselman Montoya fm: green chlorite epidote skarn	Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: N/A				TOTAL ESTIMATED WELL YIELD (gpm): N/A		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Palanco	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Francisco Palanco

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 40 (PS22-001)		WELL TAG ID NO. —		OSE FILE NO(S) M-11649	
	WELL OWNER NAME(S) Freeport McMoran Chino Mines Co.				PHONE (OPTIONAL) (575) 912-5263	
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM
					ZIP 80023	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 51	SECONDS 1.8	N	
	LONGITUDE -108	5	42.5	W		
* ACCURACY REQUIRED, ONE TENTH OF A SECOND						
* DATUM REQUIRED: WGS 84						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW 1/4, NW 1/4, S9, T17S, R12W						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1161	NAME OF LICENSED DRILLER Tarrance Stokes			NAME OF WELL DRILLING COMPANY Boart long year			
	DRILLING STARTED 5/17/22	DRILLING ENDED 5/19/22	DEPTH OF COMPLETED WELL (FT) 700'	BORE HOLE DEPTH (FT) 700'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS:		ARTESIAN	DRY HOLE	SHALLOW (UNCONFINED)		STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	
	DRILLING FLUID:		AIR	MUD	ADDITIVES - SPECIFY:			
	DRILLING METHOD:		ROTARY	HAMMER	CABLE TOOL	OTHER - SPECIFY:		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	20	4.827	Casings pulled casing drill pipe				
	20	700	3.89					

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 04/30/19)		
FILE NO.	POD NO.	TRN NO.			

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	400	400	white breccia	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
	400	520	120	tan sandstone	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
	520	620	100	green hornfels	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
	620	700	80	grey siltstone	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
					<input type="checkbox"/> Y	<input type="checkbox"/> N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
PUMP AIR LIFT BAILER OTHER - SPECIFY: <i>N/A</i>					WELL YIELD (gpm): <i>N/A</i>		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.						
					<i>5/25/22</i>		
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME				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: POD40 (PS22-001)
 Well owner: Freeport McMoran Chino Mines Co. Phone No.: (575) 912-5263
 Mailing address: P.O. Box 10
 City: Bayard State: NM Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Bart long year
- 2) New Mexico Well Driller License No.: WD-1161 Expiration Date: 9/30/22
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Terrance Stokes
- 4) Date well plugging began: 5/19/22 Date well plugging concluded: 5/20/22
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 1.8 sec
Longitude: -108 deg, 5 min, 42.5 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 700 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):

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.)
700'	Portland Cement slurry #94 # Sack per 5.2 gallons of water	484 gallons	434	Open drill string	Plugged open hole

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

III. SIGNATURE:

I, Terrance Stokes, 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

5/25/22

Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 46 (P522-011)		WELL TAG ID NO. -		OSE FILE NO(S). M-11649			
	WELL OWNER NAME(S) Freeport McMoran Chloro Mines Co.				PHONE (OPTIONAL) (575) 912-5263			
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 18.6	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
	LONGITUDE -108	5	50.2	* DATUM REQUIRED: WGS 84				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW 1/4 SW 1/4, S4, T17S, R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1161		NAME OF LICENSED DRILLER Tyrel Albright		NAME OF WELL DRILLING COMPANY Bost Longyear			
	DRILLING STARTED 7-20-22	DRILLING ENDED 8-8-22	DEPTH OF COMPLETED WELL (FT) 2500"	BORE HOLE DEPTH (FT) 2500"	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input checked="" type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Core Rig					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	60	4.827	Casing pulled casing				
	60	2500	3.895	Drill pipe				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <small>(attach supplemental sheets to fully describe all units)</small>	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	2500	2500	white breccia	Y	(N)	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: <u>N/A</u>					TOTAL ESTIMATED WELL YIELD (gpm): <u>N/A</u>	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
		<u>Tyrel Albright</u>					<u>8-9-22</u>
		SIGNATURE OF DRILLER / PRINT SIGNEE NAME					

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



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: POD 46 (PS22-011)
 Well owner: Freeport Mc Moran Chino Mines Co. Phone No.: (575) 912-5263
 Mailing address: P.O. Box 10
 City: Bayard State: NM Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Boart Longyear
- 2) New Mexico Well Driller License No.: WD-1161 Expiration Date: 9-30-22
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Tyrel Albright
- 4) Date well plugging began: 8-8-22 Date well plugging concluded: 8-9-22
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 18.6 sec
Longitude: -108 deg, 5 min, 50.2 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 2500 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):

- 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.)
2500'	Portland Cement Slurry 94# sack per 5.2 gallons of Water.	1580	1550	Drill string	Plugged open hole.

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

III. SIGNATURE:

I, Tyrel Albright, 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.

Tyrel Albright
Signature of Well Driller

8-9-22
Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 77 (PS22-016)		WELL TAG ID NO.		OSE FILE NO(S) M-11649			
	WELL OWNER NAME(S) Freeport-McMoran China				PHONE (OPTIONAL) 575-915-5263			
	WELL OWNER MAILING ADDRESS P.O Box 10				CITY Dayton	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 51 14.58 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE	-108	5 53.95 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S W 1/4 S W 24, S 4, T 17 S, R 12 W								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne		
	DRILLING STARTED 2/2/23	DRILLING ENDED 2/2/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 600	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN *add Centralizer info below				<input type="checkbox"/> DRY HOLE	<input type="checkbox"/> SHALLOW (UNCONFINED)	STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR			<input type="checkbox"/> MUD	ADDITIVES - SPECIFY: Bentonite / liquid Polymer		DATE STATIC MEASURED N/A	
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	600	5.5					
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO			Y	N		
4. HYDROGEOLOGIC LOG OF WELL	0	600	600	Continental breccia / light gray	Y	(N)		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):		
						N/A		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
	MISCELLANEOUS INFORMATION:							
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:							
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				Francisco Palencia DATE			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



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: POD 77 (PS22-016)
 Well owner: Freepoint McMoran Chino Phone No.: 575-815-5263
 Mailing address: P.O. Box 10
 City: Bayard State: NM Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC.
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Francisco Polanco
- 4) Date well plugging began: 2/21/23 Date well plugging concluded: 2/21/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 14.58 sec
Longitude: -108 deg, 5 min, 53.95 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 600 ft below ground level (bgl),
by the following manner: Pumped through Tremie
- 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):

- 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.)
600	GROUT Consisting of 5.2 Gallons of Water + 0 1 94LB Sack of Portland Cement	750	740	Tremie	open hole

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

III. SIGNATURE:

I, Francisco Palanca, 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

2/21/23

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: POD 78 (CO2022-16)
Well owner: Freeport McMoran China Phone No.: 575-815-5263
Mailing address: P.O. Box 10
City: Bayard State: NM Zip code: 88023

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: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Francisco Palanca
- 4) Date well plugging began: 2/2/23 Date well plugging concluded: 2/3/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 27.072 sec
Longitude: -108 deg, 5 min, 54.108 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: _____ ft below ground level (bgl),
by the following manner: _____
- 7) Static water level measured at initiation of plugging: 230 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):




WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 78 (C02022-16)		WELL TAG ID NO.		OSE FILE NO(S). M-11649			
	WELL OWNER NAME(S) Freeport McMoran Chino				PHONE (OPTIONAL) 575-925-5263			
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NH	ZIP 88023	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 51	SECONDS 27.078	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE	-108	5	51.108 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW 44S W 1/4, S4, T17S, R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne		
	DRILLING STARTED 1/26/23	DRILLING ENDED 2/2/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1420	DEPTH WATER FIRST ENCOUNTERED (FT) 230'			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT)	DATE STATIC MEASURED		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY: Quick gel gold (Bentonite)			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	25	7"	N/A				
	25	1420	5.5					
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	N/A							

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO						
4. HYDROGEOLOGIC LOG OF WELL	0	240	240	Hanover Fierro Stock Granite/Dark Gray	Y	(N)		
	240	280	40	Colorado Formation / Light-green	Y	(N)		
	280	360	80	Hanover Fierro Stock Granite/Dark	(Y)	N		
	360	1420	1060	Colorado formation / tan light Gray	(Y)	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
	<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					40		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
	MISCELLANEOUS INFORMATION:							
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: <i>Francisco Polanco</i>							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:							
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				<i>Francisco Polanco</i> PRINT SIGNEE NAME		<i>2/3/23</i> DATE	



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 79 (CO2 022-13)		WELL TAG ID NO.		OSE FILE NO(S). M-11649			
	WELL OWNER NAME(S) Freeport McMoran China				PHONE (OPTIONAL) 575-815-5263			
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 25.092N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
	LONGITUDE -108	5	54.6	* DATUM REQUIRED: WGS 84				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW 1/4 S W 1/4 S4, T17S, R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC		
	DRILLING STARTED 2/25/23	DRILLING ENDED 2/28/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 500	DEPTH WATER FIRST ENCOUNTERED (FT) 240			
	COMPLETED WELL IS:		<input type="checkbox"/> ARTESIAN *add Centralizer info below	<input type="checkbox"/> DRY HOLE	<input type="checkbox"/> SHALLOW (UNCONFINED) N/A	STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 2/27/23	
	DRILLING FLUID:		<input checked="" type="checkbox"/> AIR	<input type="checkbox"/> MUD	ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	500	5.5	N/A				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	N/A							

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO			Y	N		
4. HYDROGEOLOGIC LOG OF WELL	0	500	500	Colorado Formation / Gray cream	(Y)	N		
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 2 gpm		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
	MISCELLANEOUS INFORMATION:							
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: <i>Francisco Polanco</i>							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:							
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME					<i>Francisco Polanco</i> 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: POD 79 (CO2022-13)
 Well owner: Freepat McKernan Chino Phone No.: 575-915-5263
 Mailing address: P.O. Box 10
 City: Bayard State: NM Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Francisco Polanco
- 4) Date well plugging began: 2/28/23 Date well plugging concluded: 2/28/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 25.092 sec
Longitude: -108 deg, 5 min, 54.06 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 500 ft below ground level (bgl),
by the following manner: Pumped through Tremie Pipe
- 7) Static water level measured at initiation of plugging: 256 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):

- 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.)
500	Grout consisting of 5.2 gallons of water to 1 qt L.B. Sack of Portland Cement	670	616	TREMIE	Open hole

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

2/28/23
Date



WELL RECORD & LOG


OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 80 (C022-21)		WELL TAG ID NO.		OSE FILE NO(S). M-11649		
	WELL OWNER NAME(S) Freeport McKevan Chino				PHONE (OPTIONAL) 575-915-5263		
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Buyard	STATE NM	ZIP 88023
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 51	SECONDS 9.324	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE	-108	5	53.66	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW1/4 SW14, S4, T17S, R12W							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne	
	DRILLING STARTED 1/15/23	DRILLING ENDED 1/30/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1500	DEPTH WATER FIRST ENCOUNTERED (FT) 780		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT)	DATE STATIC MEASURED	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD		ADDITIVES - SPECIFY: Quik Gel Gold (Bentonite)				
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
FROM	TO						
0	15	6"	N/A				
15	1500	5.5	N/A				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	N/A			N/A		

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	600	600	Colorado Formation / light gray-white	Y	(N)	
	600	850	250	Granodiorite / Gray - light green	Y	(N)	
	850	1130	280	Late quartz silt + Granodiorite / Gray	(Y)	N	
	1130	1500	370	Continental breccia / Dark Gray	(Y)	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					2 GPM		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:						
	N/A						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
Francisco Polanco							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				2/2/23 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: POD 80(CO22-21)
 Well owner: Frederick McHerman Chino Phone No.: 575-815-5263
 Mailing address: P.O. Box 10
 City: Boyaud State: NM Zip code: 88023

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: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Francisco Delanceo
- 4) Date well plugging began: 2/1/23 Date well plugging concluded: 2/1/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 9.324 sec
Longitude: -108 deg, 5 min, 53.66 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 1500' ft below ground level (bgl),
by the following manner: Pumped through Tremie pipe
- 7) Static water level measured at initiation of plugging: 770 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7/28/08
- 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):

- 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.)
1500	Grout consisting of 5.2 gallons of water + 1 94 LB sack of Portland Cement	1900 gallons	1850 gallons	Tremie Pipe	Open Hole

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

2/2/23

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: PO2 83 (CO2022-19)

Well owner: Freeport-McMoran Chino

Phone No.: 575-915-5263

Mailing address: P.O Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC.
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Francisco Polanco
- 4) Date well plugging began: 5/22/23 Date well plugging concluded: 5/22/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 6.228 sec
Longitude: -108 deg, 6 min, 1.08 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 1500 ft below ground level (bgl),
by the following manner: Pumped through tremie
- 7) Static water level measured at initiation of plugging: 630 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):

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.)
1500	Grout consisting of 5.2 gallons of water to one 94 pound sack of portland cement	1880	1850	tremie	Open hole

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

5/22/23

Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) PO2 83 (CO2022-19)		WELL TAG ID NO.		OSE FILE NO(S) M-11649	
	WELL OWNER NAME(S) Freeport-McMoran Chino				PHONE (OPTIONAL) 575-915-5263	
	WELL OWNER MAILING ADDRESS P.O Box 10				CITY Bayard	STATE ZIP NM 88023
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 6.228 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE -108	6	1.08 W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4SE1/4,S5,T17S, R12W						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728	NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC.			
	DRILLING STARTED 4/24/23	DRILLING ENDED 5/20/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1500	DEPTH WATER FIRST ENCOUNTERED (FT) 640			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 5/20/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES – SPECIFY: Bentonite/ Liquid polymer			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 1500		5.5					

3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	N/A					

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO			Y	N		
	0	30	30	Fill materials	Y	✓ N		
	30	1200	1170	Light gray-tan fine grained sandstone/ Colorado Formation	Y	✓ N		
	1200	1500	300	Green siltstone-sandstone/Continental Breccia	Y	✓ N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm): 20			
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
		MISCELLANEOUS INFORMATION:						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Polanco							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:							
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				Francisco Polanco DATE: 5/20/23			

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.		POD NO.		TRN NO.			
LOCATION				WELL TAG ID NO.		PAGE 2 OF 2	



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 85 (PS-004)		WELL TAG ID NO.		OSE FILE NO(S). M-11649		
	WELL OWNER NAME(S) Freeport-McMoran China				PHONE (OPTIONAL) 575-915-5263		
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Bayard	STATE NM	ZIP 88023
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LATITUDE 32 51 18.72 N	LONGITUDE -108 6 0.36 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE 1/4 SE 1/4, S5, T27S, R12W							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728	NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC			
	DRILLING STARTED 4/24/23	DRILLING ENDED 4/26/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 800	DEPTH WATER FIRST ENCOUNTERED (FT) 500			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 255	DATE STATIC MEASURED 4/26/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY: Bentonite / Liquid Polymer			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	500	5.5					

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	N/A					

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
FROM	TO			Y	N	
0	500	500	gyenodiorite Ksy Gray/ Green	Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:
 PUMP AIR LIFT BAILER OTHER - SPECIFY: _____
 TOTAL ESTIMATED WELL YIELD (gpm): **53**

5. TEST, RIG SUPERVISION


WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

 Francisco Polanco 4/27/23
 SIGNATURE OF DRILLER / PRINT SIGNEE NAME 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: POD 85 (PS-004)
 Well owner: Freeport-McMoran China Phone No.: 575 815-5263
 Mailing address: P.O. Box 10
 City: Bayard State: NM Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Francisco Palomo
- 4) Date well plugging began: 4/26/23 Date well plugging concluded: 4/27/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 18.72 sec
Longitude: -108 deg, 6 min, 0.36 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 800 ft below ground level (bgl),
by the following manner: Pumped through Tremie
- 7) Static water level measured at initiation of plugging: 255 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):

- 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	Grout Consisting of 5.2 Gallons of water to 1 94LB Sacks of Portland Cement	1000	986	Tremie	Open Hole

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

III. SIGNATURE:

I, Francisco Palencia, 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

4/27/23
Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 86 (PS-005)		WELL TAG ID NO.		OSE FILE NO(S). M-11649			
	WELL OWNER NAME(S) Freeport-McMoran China				PHONE (OPTIONAL) 575-915-5263			
	WELL OWNER MAILING ADDRESS P.O Box 10				CITY Boyard	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LATITUDE	32	51				15.48 N
	LONGITUDE	-108	6	13.17 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW 1/4 SE 1/4, S5, T17S, R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC.		
	DRILLING STARTED 3/1/23	DRILLING ENDED 4/4/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1500	DEPTH WATER FIRST ENCOUNTERED (FT) 440			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 420 N/A	DATE STATIC MEASURED 4/3/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY: Quik gel gold (Bentone) 1.9 acid Polymer			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	1500	5.5					
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	N/A							

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO						
4. HYDROGEOLOGIC LOG OF WELL	0	400	400	Syenodiorite Ksp Gray/Green	Y	N		
	400	500		Colorado Formation / blue/Green	Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):		
						10		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
	MISCELLANEOUS INFORMATION: N/A							
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Polanco							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:							
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				Francisco Polanco 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: POD 86 (PS-005)
 Well owner: Freeport-McMoran China Phone No.: 575-945-5263
 Mailing address: P.O. Box 10
 City: Bayard State: NM Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC.
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Francisco Palanco
- 4) Date well plugging began: 3/4/23 Date well plugging concluded: 3/5/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 15.48 sec
Longitude: -108 deg, 6 min, 13.17 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 1500 ft below ground level (bgl),
by the following manner: Pumped through Tremie
- 7) Static water level measured at initiation of plugging: 420 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):

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.)
1500'	Slurry of 5.2 gallons of water to 1 94 LB. sack of Portland Cement	1900	1850	Tremie	open hole

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

7/5/23

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: PO 87 (PS-006)

Well owner: Freeport-McMoran Chino

Phone No.: 575-915-5263

Mailing address: P.O Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Francisco Polanco
- 4) Date well plugging began: 6/14/23 Date well plugging concluded: 6/14/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 7.704 sec
Longitude: -108 deg, 6 min, 4.86 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 925 ft below ground level (bgl),
by the following manner: Pumped through tremie pipe
- 7) Static water level measured at initiation of plugging: 545 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):

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.)
925	slurry consisting of 5.2 gallons of water to one 94LB sack of portland cement	1150	1141	Tremie	Open hole

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

6/14/23

Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) PO87 (PS-006)		WELL TAG ID NO.		OSE FILE NO(S) M-11649	
	WELL OWNER NAME(S) Freeport-McMoran Chino				PHONE (OPTIONAL) 575-915-5263	
	WELL OWNER MAILING ADDRESS P.O Box 10				CITY Bayard	STATE NM
					ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 7.704 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE -108	6	4.86 W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4SE1/4,S5,T17S, R12W						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728	NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC			
	DRILLING STARTED 5/24/23	DRILLING ENDED 6/11/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 925	DEPTH WATER FIRST ENCOUNTERED (FT) 550			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES – SPECIFY: Bentonite / Liquid Polymer			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	925	5.5	N/A				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	N/A					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
FROM	TO				
0	50		Fill materials	Y ✓ N	
50	925		Light gray-tan colored fine grained sandstone/ Colorado Formation	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

PUMP
 AIR LIFT
 BAILER
 OTHER - SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): **25**

5. TEST; RIG SUPERVISION

WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.


MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Francisco Polanco

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:


Francisco Polanco
6/13/23

SIGNATURE OF DRILLER / PRINT SIGNEE NAME
DATE



WELL RECORD & LOG


OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) PO 88 (PS-07)		WELL TAG ID NO.		OSE FILE NO(S) M-11649		
	WELL OWNER NAME(S) Freeport_McMoran Chino				PHONE (OPTIONAL) 575-915-5263		
	WELL OWNER MAILING ADDRESS Freeport-McMoran Chino				CITY Bayard	STATE ZIP NM 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 51	SECONDS 13.176	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	6	12.528	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW1/4SE1/4, S5,T17S,R12W							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco		NAME OF WELL DRILLING COMPANY Layne Minerals LLC		
	DRILLING STARTED 2/27/23	DRILLING ENDED 3/20/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1000	DEPTH WATER FIRST ENCOUNTERED (FT)		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)			STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY: Quick gel gold (Bentonite)Liquid polymer						
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:				CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
	0	1000	5.5				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
	N/A						

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	10	10	Reddish brown soil.	Y	✓ N	
	10	160	150	Gray-green Syenodiorite	Y	✓ N	
	160	260	100	Blue-gray hornfels/Colorado Formation	Y	✓ N	
	260	460	200	Gray-green Syenodiorite	Y	✓ N	
	460	520	60	Tan-blue-green hornfels/Colorado Formation	Y	✓ N	
	520	1000	480	Gray-green Syenodiorite	Y	✓ N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: N/A					N/A		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Polanco	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Francisco Polanco	3/20/23
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	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: POD89 (PS_008)

Well owner: Freeport-McMoran Chino

Phone No.: 575-915-5263

Mailing address: P.O Box 10

City: Bayard

State: NM

Zip code: 880023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC.
- 2) New Mexico Well Driller License No.: WD.1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Francisco Polanco
- 4) Date well plugging began: 4/5/23 Date well plugging concluded: 4/5/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 19.08 sec
Longitude: -108 deg, 6 min, 3.308 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 1500 ft below ground level (bgl),
by the following manner: Pumped through tremie
- 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):

- 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.)
	5.2 Gallons of water to 1 94 pound sack of portland cement	1850	1850	Tremie	open hole

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

4/5/23

Date

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0	90	90	Leech Cap: Red brown clays KSy	Y <input checked="" type="checkbox"/>	
	90	570	480	Syenodiorite-KSy: grey green	Y <input checked="" type="checkbox"/>	
	570	700	130	Colorado formation: tan/blue/green hornfels + Syenodiorite-KSy: light grey green	Y <input checked="" type="checkbox"/>	
	700	1500	800	Syenodiorite-KSy: med grey green	Y <input checked="" type="checkbox"/>	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Polanco					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
		Francisco Polanco		4/5/23		
SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE		



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD89 (PS_008)		WELL TAG ID NO.		OSE FILE NO(S) M-11649	
	WELL OWNER NAME(S) FreePort-McMoran Chino				PHONE (OPTIONAL) 575-915-5263	
	WELL OWNER MAILING ADDRESS P.O BOX 10				CITY Bayard	STATE NM
					ZIP 880023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 19.08	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
	LONGITUDE -108	6	3.308	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE1/4SE1/4, S5, T17S, R12W						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728	NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC.			
	DRILLING STARTED 3/1/23	DRILLING ENDED 4/5/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1500	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) <small>Centralizer info below</small>				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES SPECIFY: Bentonite / Liquid Polymer			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 1500							

3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE - RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	N/A					

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.		POD NO.		TRN NO.			
LOCATION				WELL TAG ID NO.		PAGE 1 OF 2	



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: POD 90 (PS22-09)

Well owner: Freeport-McMoran Chino

Phone No.: 575-915-5263

Mailing address: PO Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

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

2) New Mexico Well Driller License No.: WD-1728

Expiration Date: 1/31/24

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

4) Date well plugging began: 4/28/23

Date well plugging concluded: 4/28/23

5) GPS Well Location: Latitude: 32 deg, 51 min, 15.48 sec

Longitude: -108 deg, 6 min, 1.94 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 600 ft below ground level (bgl),
by the following manner: Pumped through Tremie Pipe

7) Static water level measured at initiation of plugging: 240 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):

- 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.)
0-600	Grout consisting of 5.2 gallons of water to 1 94 LB sack of portland cement	750	740	Tremie	Open hole

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

4/28/23

Date



WELL RECORD & LOG


OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 90 (PS22-09)		WELL TAG ID NO.		OSE FILE NO(S). M-11649		
	WELL OWNER NAME(S) Freeport-McMoran Chino				PHONE (OPTIONAL) 575-915-5263		
	WELL OWNER MAILING ADDRESS P.O BOX 10				CITY BAYARD	STATE NM	ZIP 88023
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 51	SECONDS 15.48	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	-108	6	1.94	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4 SE 1/4, S5, T17S, R12W							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC		
	DRILLING STARTED 4/27/23	DRILLING ENDED 4/28/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 600	DEPTH WATER FIRST ENCOUNTERED (FT) 420			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 4/28/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD		ADDITIVES - SPECIFY: Bentonite/Liquid Polymer					
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	600	5.5					

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	N/A					

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	20	20	Stockpile mud	Y	<input checked="" type="checkbox"/> N	
	20	600	580	Light Gray /Continental Breccia	<input checked="" type="checkbox"/> Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 33		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Polanco						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				Francisco Polanco		



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 91 (PS22-012)		WELL TAG ID NO.		OSE FILE NO(S). M-11 649			
	WELL OWNER NAME(S) Faceport - McMoran China				PHONE (OPTIONAL) 575-915-5263			
	WELL OWNER MAILING ADDRESS P.O. Box 10				CITY Boyard	STATE NM	ZIP 88023	
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LATITUDE	32	51				25.16 N
	LONGITUDE	108	6	5.112 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE 1/4 SE 1/4 S5, T17S, R12W								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francesco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC		
	DRILLING STARTED 4/11/23	DRILLING ENDED 4/23/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1500	DEPTH WATER FIRST ENCOUNTERED (FT) 1220			
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) N/A				STATIC WATER LEVEL IN COMPLETED WELL (FT) 447	DATE STATIC MEASURED 4/23/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY: Bentonite / Liquid Polymer			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	1500	5.5	N/A				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	N/A							

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	20	20	Stagnate mud	Y	(N)	
	20	450	450	Continental breccia / Gray	Y	(N)	
	450	1500	1050	Continental breccia + Colorado fm / Gray	(Y)	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 76		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
		Francisco Polanco				4/24/23	
SIGNATURE OF DRILLER / PRINT SIGNEE NAME					DATE		

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



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: POD 91 (PS22-012)
 Well owner: Freeport-McMoran China Phone No.: Bayard 575-815-5263
 Mailing address: PO Box 10
 City: Bayard State: NM Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Francisco Polanco
- 4) Date well plugging began: 4/23/23 Date well plugging concluded: 4/24/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 25.16 sec
Longitude: 108 deg, 6 min, 5.112 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 1500 ft below ground level (bgl),
by the following manner: Pumped Through Treame
- 7) Static water level measured at initiation of plugging: 447 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):

- 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.)
1500	Grout Consisting of 5.2 gallons of water to 1 94 LB. sack of Portland Cement	1900	1850	Tremie	open hole

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

4/24/23
Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us


1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) PO 92 (PS22-013)		WELL TAG ID NO.		OSE FILE NO(S) M-11649		
	WELL OWNER NAME(S) Freeport_McMoran Chino				PHONE (OPTIONAL) 575-915-5263		
	WELL OWNER MAILING ADDRESS Freeport-McMoran Chino				CITY Bayard	STATE ZIP NM 88023	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 51	SECONDS 31.536	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE	-108	6	0.72		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4NE1/4, S5,T17S,R12W							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC		
	DRILLING STARTED 4/9/23		DRILLING ENDED 4/10/23	DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT) 600	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) <small>Centralizer info below</small>					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED N/A	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY: Bentonite/ Liquid Polymer							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	600	5.5					

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <small>*(if using Centralizers for Artesian wells- indicate the spacing below)</small>		AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO					
	N/A						

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO						
	0	600	600	Black Syenodiorite	Y	<input checked="" type="checkbox"/> N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
	<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: N/A					N/A		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Polanco	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Francisco Polanco _____ DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



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: POD 95 (PS22-010)

Well owner: Freeport-McMoran Chino

Phone No.: 575-915-5263

Mailing address: PO Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

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

2) New Mexico Well Driller License No.: WD-1728

Expiration Date: 1/31/24

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

4) Date well plugging began: 4/23/23

Date well plugging concluded: 4/23/23

5) GPS Well Location: Latitude: 32 deg, 51 min, 22.68 sec

Longitude: -108 deg, 6 min, 2.151 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 500 ft below ground level (bgl),
by the following manner: Pumped through Tremie Pipe

7) Static water level measured at initiation of plugging: 97 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):

- 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.)
500	Grout consisting of 5.2 gallons of water to 1 94 LB sack of portland cement	620	616	Tremie	Open hole

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

4/24/23

Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us


1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 95 (PS22-010)		WELL TAG ID NO.		OSE FILE NO(S). M-11649		
	WELL OWNER NAME(S) Freeport-McMoran Chino				PHONE (OPTIONAL) 575-915-5263		
	WELL OWNER MAILING ADDRESS P.O BOX 10				CITY BAYARD	STATE NM	ZIP 88023
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 51	SECONDS 22.68	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	-108	6	2.151	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE1/4 SE 1/4, S5, T17S, R12W							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC		
	DRILLING STARTED 4/6/23		DRILLING ENDED 4/9/23	DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT) 500	DEPTH WATER FIRST ENCOUNTERED (FT) 120	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 97 N/A	DATE STATIC MEASURED 4/9/23	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD		ADDITIVES - SPECIFY: Bentonite/Liquid Polymer					
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	500	5.5					

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	N/A					

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	500	500	Gray Green/ Syenodiorite (Ksy)	Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 2		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: N/A	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Polanco		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Francisco Polanco _____ 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: POD 94 (PS22-015)

Well owner: Freeport-McMoran Chino

Phone No.: 575-915-5263

Mailing address: PO Box 10

City: Bayard

State: NM

Zip code: 88023

II. WELL PLUGGING INFORMATION:

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

2) New Mexico Well Driller License No.: WD-1728

Expiration Date: 1/31/24

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

4) Date well plugging began: 3/31/23

Date well plugging concluded: 4/1/23

5) GPS Well Location: Latitude: 32 deg, 51 min, 28.008 sec

Longitude: -108 deg, 6 min, 3.81 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 1000 ft below ground level (bgl),
by the following manner: Pumped through Tremie Pipe

7) Static water level measured at initiation of plugging: 327 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):

- 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.)															
1000	Slurry consisting of 5.2 gallons of water to 1 94 LB sack of portland cement	1260	1233	Tremie	Open hole															
<table border="1"> <tr> <td>MULTIPLY</td> <td></td> <td>BY</td> <td></td> <td>AND OBTAIN</td> </tr> <tr> <td>cubic feet</td> <td>x</td> <td>7.4805</td> <td>=</td> <td>gallons</td> </tr> <tr> <td>cubic yards</td> <td>x</td> <td>201.97</td> <td>=</td> <td>gallons</td> </tr> </table>						MULTIPLY		BY		AND OBTAIN	cubic feet	x	7.4805	=	gallons	cubic yards	x	201.97	=	gallons
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

4/1/23

Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us


1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 94 (PS22-015)		WELL TAG ID NO.		OSE FILE NO(S). M-11649		
	WELL OWNER NAME(S) Freeport-McMoran Chino				PHONE (OPTIONAL) 575-915-5263		
	WELL OWNER MAILING ADDRESS P.O BOX 10				CITY BAYARD	STATE ZIP NM 88023	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 51	SECONDS 28.008	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
		LONGITUDE	-108	6	3.81	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE1/4 SE 1/4, S5, T17S, R12W							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco			NAME OF WELL DRILLING COMPANY Layne Minerals LLC		
	DRILLING STARTED 3/21/23	DRILLING ENDED 3/31/23	DEPTH OF COMPLETED WELL (FT) N/A	BORE HOLE DEPTH (FT) 1000	DEPTH WATER FIRST ENCOUNTERED (FT) 780			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 327 N/A	DATE STATIC MEASURED 3/31/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD		ADDITIVES – SPECIFY: Bentonite/Liquid Polymer					
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	1000	5.5	N/A				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	N/A					

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
	0	20	20	Stockpile mud	Y <input checked="" type="checkbox"/> N		
	20	600	580	Light Gray/ Continental Breccia	Y <input checked="" type="checkbox"/> N		
	600	850	250	Light gray-Tan/ Colorado Formation	<input checked="" type="checkbox"/> Y N		
	850	1000	150	Gray-green-Tan /Colorado Formation + Continental Breccia	<input checked="" type="checkbox"/> Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 46	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: N/A	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Polanco		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Francisco Polanco



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 93 (PS22-014)		WELL TAG ID NO.		OSE FILE NO(S). M-11649		
	WELL OWNER NAME(S) Freeport McMoran				PHONE (OPTIONAL) 575-815-5263		
	WELL OWNER MAILING ADDRESS Freeport-McMoran China P.O. Box 10				CITY Bayard	STATE NM	
					ZIP 88023		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 51	SECONDS 34.704 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE -108	6	2.232 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE 1/4 NE 44, S5, T17S, R12W							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1728		NAME OF LICENSED DRILLER Francisco Polanco		NAME OF WELL DRILLING COMPANY Layne Minerals LLC		
	DRILLING STARTED 4/2/23	DRILLING ENDED 4/4/23	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT) 550	DEPTH WATER FIRST ENCOUNTERED (FT) 300		
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN *add Centralizer info below			<input type="checkbox"/> DRY HOLE	<input type="checkbox"/> SHALLOW (UNCONFINED)	STATIC WATER LEVEL IN COMPLETED WELL (FT) 246	DATE STATIC MEASURED 4/7/23
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR			<input type="checkbox"/> MUD	ADDITIVES - SPECIFY: Bentonite / Liquid Polymer		
	DRILLING METHOD: <input type="checkbox"/> ROTARY			<input checked="" type="checkbox"/> HAMMER	<input type="checkbox"/> CABLE TOOL	OTHER - SPECIFY:	
				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DEPTH (feet bgl)	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO					
	0	550	5.5				
3. ANNULAR MATERIAL	DEPTH (feet bgl)	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <small>*(if using Centralizers for Artesian wells- indicate the spacing below)</small>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO					
	N/A						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
	FROM	TO			Y	N		
4. HYDROGEOLOGIC LOG OF WELL	0	550	550	Syenodiorite lys Gray / Green	(Y)	N		
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
						Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 20 gpm		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
	MISCELLANEOUS INFORMATION:							
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Francisco Palanco							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:							
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				4/8/23 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: POD 83 (PS 22-014)

Well owner: Freeport McMoran Mining Phone No.: _____

Mailing address: P.O. Box 10

City: Bayard State: NM Zip code: 88023

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Layne Minerals LLC
- 2) New Mexico Well Driller License No.: WD-1728 Expiration Date: 1/31/24
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Francisco Polanco
- 4) Date well plugging began: 4/8/23 Date well plugging concluded: 4/8/23
- 5) GPS Well Location: Latitude: 32 deg, 51 min, 34.704 sec
Longitude: -108 deg, 6 min, 2.232 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 550 ft below ground level (bgl),
by the following manner: Pumped through TREMPE
- 7) Static water level measured at initiation of plugging: 246 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):

- 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.)
500	Slurry consisting of 5.2 gallons of water to 1 94 LB. sack of Portland Cement	700	679	Tremie	Piezometer installed

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

4/8/23
Date