

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

MAR 13 2020

MINING & MINERALS DIVISION

March 9, 2020

Certified Mail #9171999991703580010079 Return Receipt Requested

Mr. David Ohori
Energy, Minerals and Natural Resources Department
Mining and Minerals Division
Mining Act Reclamation Program
1220 South St. Francis Drive
Santa Fe, NM 87505

Dear Mr. Ohori:

Re: Amended Application for Permit No. GR083EM Emma-B Minimal Impact Exploration Operation

Freeport-McMoRan Tyrone Inc. (Tyrone) received approval for a minimal impact exploration permit, Emma-B on August 08, 2019, for seventeen (17) exploration drill holes under Permit No. GR083EM. Tyrone is requesting a modification of Permit GR083EM to include four (4) angled drill holes and two (2) vertical drill holes.

The new drill holes are labeled 18 through 23, as it will bring the total number of drill holes to 23. The associated drill hole pads and roads will generate 0.96 acres of new and existing road improvements disturbances. Tyrone has included this information on the original application and thus will agree to all the same terms and reclamation conditions as agreed to for the original Emma-B Permit.

Attached are the amended original maps showing the locations of the six drill holes and their associated disturbances. Tyrone also requests that the Emma-B permit expiration date be extended by one (1) year. If this request is granted, the permit will expire one (1) year from the approval of the amended Emma-B permit. Please contact Ms. Mandy Lilla at (575) 912-5388 or mlilla@fmi.com if you have any questions.

Sincerely,

Brian D. McGill

Environmental Manager Environmental Services

BDM:gy Attachments 20200309-100

PART 3 MINIMAL IMPACT EXPLORATION OPERATION

PERMIT APPLICATION

Accompanying instructions for this permit application are available from MMD, and on MMD webpage:

http://www.emnrd.state.nm.us/MMD/MARP/MARPApplicationandReportingForms.htm

Send 6 copies of the completed application to:

Amended Application STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Director

Mining and Minerals Division 1220 South Saint Francis Drive Santa Fe, New Mexico 87505 Telephone: (505) 476-3400

Webpage: www.emnrd.state.nm.us/MMD/index.htm

CHECK OFF LIST TO DETERMINE YOUR PROJECT'S STATUS AS A MINIMAL IMPACT EXPLORATION OPERATION:

∐ Yes	⊠ No	My project <u>will exceed 1000 cubic yards of excavation</u> , per permit (drill pads, mud pits, and roads will not be counted in excavated materials).
☐ Yes	⊠ No	Surface disturbances for constructed roads, drill pads and mud pits <u>will</u> <u>exceed 5 acres</u> total for my project.
☐ Yes	⊠ No	My project is located in or is expected to have a direct surface impact on wetlands, springs, perennial or intermittent streams, lakes, rivers reservoirs or riparian areas.
☐ Yes	⊠ No	My project is located in designated critical habitat areas as determined in accordance with the federal Endangered Species Act of 1973 or in areas determined by the Department of Game and Fish likely to result in an adverse impact on an endangered species designated in accordance with the Wildlife Conservation Act, Sections 17-2-37 through 17-2-46 NMSA 1978 or by the State Forestry Division for the Endangered Plants Act, section 75-6-1 NMSA 1978.

☐ Yes	⊠ No	My project is located in an area designated as Federal Wilderness Area, Wilderness Study Area, Area of Critical Environmental Concern, or an area within the National Wild and Scenic River System.
☐ Yes	⊠ No	My project is located in a known cemetery or other burial ground.
☐ Yes	⊠ No	My project is located in an area with cultural resources listed on either the National Register of Historic Places or the State Register of Cultural Properties.
☐ Yes	⊠ No	My project will or is expected to have a direct impact on ground water that has a total dissolved solids concentration of less than 10,000 mg/L, except exploratory drilling intersecting ground water may be performed as a minimal impact operation.
☐ Yes	⊠ No	My project is expected to use or using cyanide, mercury amalgam, heap leaching or dump leaching in its operations.
☐ Yes	⊠ No	My project is expected to result in point or non-point source surface or subsurface releases of acid or other toxic substances from the permit area.
☐ Yes	⊠ No	My project requires a variance from any part of the Mining Act Rules as part of the permit application.
-	wer <u>yes</u> to a n operation	any of the above questions, your project <u>does not</u> qualify as a minimal impact
Confider	ntial Inform	nation
☐ Yes	⊠ No	Is any of the information submitted in this application considered by the applicant to be confidential in nature? If yes, please provide this information separately and marked as "confidential."
Timeline	ı	
	•	pplications must be provided no less than 45 days prior to the anticipated tions desired by the applicant.
• Re	enewal app	lications shall be filed at least 30 days preceding expiration of the current

permit. Permits are valid for one year.

• Approved permit is valid for one year from the date of approval.

SECTION 1 – OPERATOR INFORMATION (§304.D.1)

Project Name: Emma-B	
Nearest Town To Project: <u>Tyrone, NM 88065</u>	
Applicant Name and Contact Information (entity	obligated under the Mining Act):
Name: Freeport-McMoRan Tyrone Mining, LLC) .
Address: P.O. Box 571 Tyrone, NM 88065	
Office Phone: (575) 912-5388	Cell Phone: (<u>575)</u> 313-7142
Fax Number:	Email: mlilla@fmi.com
Name of On-Site Contact, Representative, or C	Consultant:
Name: Mandy Lilla	
Address: Same as above	
Office Phone: Same as above	Cell Phone: Same as above
Fax Number:	Email:

SECTION 2 - RIGHT TO ENTER INFORMATION (§302.D.1)

A. Describe or attach copies of documents that give the applicant the right to enter the property to conduct the exploration and reclamation, include: lease agreements, access agreements,

right of way agreements, surface owner agreements, and claim numbers, if applicable. Applicant owns most of the property and has an agreement with the other landowner to access and drill on the property. Tyrone does own and or control all mineral rights to both properties. Attachment _____ B. List the names and addresses of surface and mineral ownership within the proposed permit area. If the mineral is federal mineral, indicate as federal mineral, but provide the name of the claim holder or lease holder. **Surface Estate Owner(s):** Name Address Phone # U.S. BLM U.S. Forest Service ☐ State of NM LT Ranch LLC P.O. Box 1497 Silver City, NM 88061 (575) 574-2283 Name: Freeport-McMoRan Tyrone Mining, LLC P.O. Box 571 Tyrone, NM 889065 (575) 912-5757 Other

Lease Holder(s) of Surface Estate (if applicable):

Name	Address	Phone #
3		
		<u> </u>
Mineral Estate Owner(s):		
Name	Address	Phone #
☐ Bureau of Land Management		
	· · · · · · · · · · · · · · · · · · ·	
US Forest Service		
☐ State of NM		
☐ Claim/Lease Holder		
Name:		
Claim Numbers:		¥
☐ Claim/Lease Holder		
Name:		
☐ Other		

Name:
C. Has a Cultural Resource Survey been performed on the site?
\square Yes \square No If yes, please provide the author, title, date and report number, and include a copy of the survey with this application, if possible:
A review of the files and data show no known burial sites or cultural sites on this land.
Attachment
D. Has a wildlife survey or vegetation survey been performed for the permit area?
\square Yes \square No If yes, please provide the author, title, date and report number, and include a copy of the survey with this application, if possible:
A breeding bird survey will be conducted just prior to construction if construction occurs during
the period of May 1 thru August 31. Surveys of soil, vegetation and wildlife for the Tyrone
Mine area are summarized in Sections 2.6 and 2.9 of the Revised Closure/Closeout Plan
Tyrone Mine dated April 30, 1999 and are applicable to the proposed exploration area.
Attachment

SECTION 3 – MAPS AND PROJECT LOCATION (§302.D.2)

Townsh	ip <u>19S</u>	R	ange	15W Section	<u>25</u>
Townsh	ip19S	Ra	ange	15 W Section_	3
Townsh	ip	R	ange	Section	
ist the drill	hole/exploration r	name and the GPS c	oordinates fo	r each site.	
I.D.	Northing /	Easting /	I.D.	Northing /	Easting /
Number	Latitude	Longitude	Number	Latitude	Longitude
1	32'37'14.00'	108'21'18.00"	10	32'37'02.52"	108'21'31.28"
2	32'36'58.64"	108'21'32.11"	11	32'37'02.45	108'21'27.90"
3	32'36'58.50"	108'21'27.54"	12	32'36'54.68"	108'21'26.93"
4	32'37'10.00	108'21'18.00"	13	32'36'54.54"	108'21'22.82"
5	32'37'07.00"	108'21'26.00"	14	32'36'49.93"	108'21'22.93"
6	32'37'06.00"	108'21'22.00"	15	32'36'49.97"	108'21'18.25"
7	32'37'06.00"	108'21'17.00"	16	32'36'49.72"	108'21'08.78"
8	32'37'05.69"	108'21'08.53"	17	32'37'16.00	108'21'13.00"
9	32'37'04.57	108'21'15.66"	18	32° 37' 10.87"	108° 21' 08.32"
			19	32° 37' 06.37"	108° 21' 22.00"
			20	32° 37' 02.52"	108° 21' 18.04"
			21	32° 37' 02.12"	108° 21' 13.28"
			22	32° 36' 58.21"	108° 21' 04.72"
			23	32° 36' 55.01"	108° 21' 14.80"
			· · · · · · · · · · · · · · · · · · ·		
1000					1
Coordinate	system used to co	ollect GPS data point	e.		
2001 411 1410	cyclom acca to co	moot of o data point			

Att	achment (for listing additional boreholes)
В.	Maps (see application form instructions for examples of maps to be included):
	Are topographic maps included with the application that show the following items:
	∑ Yes – The proposed exploration locations (i.e., borehole locations)
	∑ Yes – Existing roads, new roads and overland travel routes
Att	achments7
	Are maps or figures included with the application showing the approximate dimensions and locations of drill pads and other disturbances:
	∑ Yes – Drill pad dimensions and constructed drill pad locations
Att	achments _ 1
C.	Provide detailed driving directions to access the site: From Silver City, drive 10 miles south
	on Hwy 90S. Turn west onto Tyrone Thompson Canyon county maintained road.
	Approximately 1 mile west turn onto existing access road. Gate is locked and will require an
	escort to the area by permittee.
2-33	

SECTION 4 – EXPLORATION DESCRIPTION (§302.D.3 & 4)

۹.	Anticipated exploration: Start Date: 6/1/19	End Date: <u>12/31/2020</u>
В.	List the mineral(s)/element(s) to be explored for: Copper	
C.	Proposed method(s) of exploration:	
	Air drilling (air rotary, coring, etc.):	
	# of holes1300Depth (ft.) 6"	Diameter (in.)
	# of drill pads 70Length (ft.)40	Width (ft.)
	Will drill pads be graded/bladed or overland: Grade	d/bladed
	Will drill pads need some mechanical leveling (grading/	blading): ⊠ Yes □ No
	Approx. Weight of Drill Rig (lbs.) up to 65,000 lbs	Number of Axles: Track mounted
		
(11.5	Total length of drill stem that can be carried on the rig:_	400'(8800 lbs) and 1000
	Is a support pipe truck anticipated? ☑ Yes ☐ No	65,000Weight
(lbs.)	.)	
	Weight of support compressor (lbs.): N/A Trail	ler mounted? N/A
	Anticipated Drilling Contractor: Layne Christense	en License No.WD -1728
	Mud/fluid drilling:	
	# of holesDepth (ft.)	Diameter (in.)
	# of drill padsLength (ft.)	Width (ft.)
	Will drill pads be graded/bladed or overland: ☐ Grade	d/bladed D Overland

1.5		н .		
It m	nud/fluid pits are pro	posed:		
	# of pits	Length (ft.)	Width (ft.)	Depth
	Anticipated excava	ating equipment:		
		g equipment be transport		
		ned?: Yes No		- 1
	If yes, prop	posed material to line the r	mud pits:	
Apı	prox. Weight of Drill	Rig (lbs.)	Number of	Axles:
An	ticipated Drilling Co	ntractor:	License	No
Te	est pits / explorat	ory trenches:		
	# of pits	Length (ft.)	Width (ft.)	Depth (ft
An	ticipated excavating	equipment:		
Ho	w will excavating eq	uipment be transported to	the site (i.e., driven, lo	w-boy, etc.): _
0	ther methods of	exploration (i.e., cuts,	shafts, tunnels, adits,	declines, blas
		and details:		

(to convert to acres, multiply total square footage of drill pads by 0.0000229) D. Disposal of drill cuttings If this exploration project is for uranium or other radioactive elements/minerals, applicant agrees to perform a gamma radiation survey at each drill site prior to, and after, exploration activities. Applicant/Owner/Operator agrees to restore gamma radiation levels at each drill ⊠ N/A site to pre-exploration levels. ☐ Yes Will excess drill cuttings be buried at each drill site location or within a single disposal pit? At each drill pad location ☐ Within a single disposal pit If a <u>single disposal pit</u> is proposed, please provide the following: Description or GPS coordinates of the proposed cuttings disposal pit location: Dimensions of the single proposed cuttings disposal pit (length, width, and depth): _____Width (ft.) Length (ft.) TOTAL ACREAGE TO BE DISTURBED DUE TO DISPOSAL PIT = (to convert to acres, multiply total square footage of disposal pit by 0.0000229) E.

	4x4 Trucks/Vehicles	Quantity:	4 4X4 trucks	
	Water Truck	Weight (lbs.):	25,000	
	Geophysical Truck	Weight (lbs.):	-	
	Pipe Truck (rig support)	Weight (lbs.):	Up to 65,000	
	Bulldozer	Type:	Cat D6	
	Backhoe	Type:	Cat 420	
	Trackhoe	Type:		
	Scaper/Grader	Type:		
]	Trailers	Quantity/Type:		
	Portable Toilet	Quantity:	1	
	Other	List:		

 Roads and Overland Travel: List of <u>new</u> roads to be constructed for this exploration 	n project:		
Description of NEW Roads	Length (ft.)	Width (ft.)	Total Acres (length x widtl x 0.0000229)
Emma-B Roads	7,868	15	2.70
TOTAL ACRES DISTURBED BY NEW ROA	AD CONSTRI	UCTION :	2.70
ist for <u>extension or widening of existing</u> roads:			
Description of Modification to EXISTING Roads	Length (ft.)	Width (ft.)	Total Acres (length x width x 0.0000229)
Emma-B Modification of Existing Roads	689	15	0.24
· · · · · · · · · · · · · · · · · · ·			1

Describe how existing roads will be extended or widened: Existing roads will be bladed of rocks

ist for routes of <u>overland travel</u> :			
Description of OVERLAND TRAVEL Routes	Length (ft.)	Width (ft.)	Total Acres (length x width x 0.0000229)
TOTAL ACRES DISTURBED BY OV	ERLAND T	RAVEL:	<u>.</u>
			<u> </u>
G. Support Facilities			
Describe (location and size) any support facility disturban material storage and/or lay down areas, vehicle parking,	temporary h		
Describe (location and size) any support facility disturban material storage and/or lay down areas, vehicle parking, created or situated on the site during exploration operation	temporary h		
Describe (location and size) any support facility disturban material storage and/or lay down areas, vehicle parking, created or situated on the site during exploration operation	temporary h		
G. Support Facilities Describe (location and size) any support facility disturban material storage and/or lay down areas, vehicle parking, created or situated on the site during exploration operation. None on site	temporary h		
Describe (location and size) any support facility disturban material storage and/or lay down areas, vehicle parking, created or situated on the site during exploration operation	temporary h		

SECTION 5 - CHEMICAL USE (§302.D.4)

A. Check any and all chemicals that will be used for this project. Drilling Mud (i.e., EZ Mud) Type/Quantity: EZ Mud Gold 3 5 gallon buckets □ Diesel Fuel Quantity: 7,500 gallons □ Down-hole Lubricants Type/Quantity: EZ Mud Plus 4 5-gallon buckets ☐ Lost Circulation Materials Type/Quantity: 12 tubes of grease/ 25 gal 15/40 ○ Oils/Grease Quantity: oil Gasoline Quantity: Hydraulic Fluid Quantity: 10 gallons ☐ Ethylene Glycol Quantity: □ Cement Type/Quantity: Portland II / 660 50lb bags Tyrone Mine Source: □ Bentonite Quick Gel / 66 50lb bags Quantity: Fertilizer Type/Quantity: Other Type/Quantity: Soda Ash/ 2 50lb bags B. Describe, in detail, a plan for the containment, use and disposal of all chemicals listed above: Drilling products are used down-hole with excess going into the sump with water. Portland II cement is used to abandon/plug the hole. Petroleum products will be used to equipment and all disposal will be offsite. C. Describe where equipment fueling/refueling will occur: Drill rig refueling will be done on-site via pickup with fuel tank. Soils will be cleaned up and

contaminated soil will be disposed of at Tyrone Mine until final disposal.

	Describe how hazardous material spills/leaks will be handled: loved and disposed of with licensed PCS containment facility.							
E.	dentify spill cleanup materials that will be kept on-site (check all that apply): Bentonite clay or cat litter Adsorbent pads, rolls, mats, socks, pillows, dikes, etc. Drum or barrel for containing contaminated soil/adsorbent materials Other/list: Other/list:							
F.	Applicant/owner/representative agrees to immediately notify the State of New Mexico immediately of any spills of hazardous materials (see page 1 of this application for phononumbers to notify):							
	SECTION 6 – GROUNDWATER/SURFACE WATER INFORMATION (§302.D.5)							
A.	Provide an estimate of depth to ground water and the total dissolved solids (TDS concentration.							
	Depth to groundwater (ft.): 500 TDS concentration (mg/L): Up to 1750 mg/L							
	Describe the source of this information: Area monitor wells							

В.	Will dewatering activities be conducted: ☐ Yes ☐ No
	If yes, please describe:
C.	Is groundwater anticipated to be encountered during exploration: X Yes No
	If <u>YES</u> :
	Have you completed Form WR-07 (Application for permit to drill a well with no consumptive use of water) and mailed it to the District Office of the State Engineer? ☐ Yes
	Have you completed Form WD-08 (Well plugging plan of operations) and mailed it to the District Office of the State Engineer? ⊠ Yes
	Attachment1 (copies of the completed WR-07 and WD-08 forms)
D.	Exploration Borehole Abandonment
	Dry Boreholes
	Dry hole abandonment (option 1): 100% bentonite pellets/chips (i.e. HOLEPLUG® manufactured by Baroid Industrial Products), dropped from surface then hydrated in place according to the manufacturer's recommendations, emplaced from total depth to within 12 feet of the original ground surface, followed by 10 feet of neat cement, followed by 2 feet of topsoil/topdressing.
	Dry hole abandonment (option 2): Neat cement slurry, mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 2 feet of the original ground surface, followed by 2 feet of topsoil/topdressing.
	Dry hole abandonment (option 3): Cement + 6% bentonite slurry, mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 2 feet of the original ground surface, followed by 2 feet of topsoil/topdressing.

	<u>Dry hole abandonment (option 4):</u> High-density bentonite clay (≥ 20% active solids; i.e. QUIK-GROUT® manufactured by Baroid Industrial Products), mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 12 feet of the original ground surface, followed by 10 feet of neat cement, followed by 2 feet of topsoil/topdressing.
	Dry hole abandonment (option 5): Other materials / describe and justify use:
We	et Boreholes
\boxtimes	Wet hole abandonment (option 1): Neat cement slurry, mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 2 feet of the original ground surface, followed by 2 feet of topsoil/topdressing.
	Wet hole abandonment (option 2): High-density bentonite clay (≥ 20% active solids; i.e. QUIK-GROUT® manufactured by Baroid Industrial Products), mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 12 feet of the original ground surface, followed by 10 feet of neat cement, followed by 2 feet of topsoil/topdressing.
	Wet hole abandonment (option 3): Other sealing material approved by the Office of the State Engineer. Describe and include well plugging plan approval by the State Engineer:
and	plicant agrees to contain any water produced from the exploration borehole at the drill site dacknowledges that discharge of this water to a watercourse may be a violation of the deral Clean Water Act:
	any drilling proposed to occur <u>within the channel</u> of any perennial, intermittent, or nemeral streams?
	any drilling anticipated to occur <u>within 100 feet</u> of any perennial, intermittent, or ephemeral eams?

D.

E.

F.

SECTION 7 – RECLAMATION & OPERATION PLAN (§302.D.6 AND 302.I.K)

A. Salvage/Preservation of Topsoil

Before any grading/blading or similar activities occur in relation to this project, operator agrees to salvage and preserve all topsoil and topdressing for use in future reclamation this project								
		cribe how topsoil will be salvaged prior to initiation of exploration activities (check all that y): Stockpiled in place and used for reclamation.						
	□ N	☐ N/A – no construction work will occur, therefore no soil salvage is needed.						
	Other, describe:							
B.	Erosi	on Control						
	Describe the best management practices that will be implemented to control erosion:							
		Silt fencing	Location:					
		Straw waddles	Location:					
		Straw bales	Location:					
		Ditches/swales	Location:					
	\boxtimes	Berms/dikes/dams	Location:	Drill pads, roads and mud pits.				
		Sediment basins	Location:					

		Other or N/A	Type/Location:					
C.	Wildl	ife Protection / I	Noxious Weed Prevention	n				
Will the perimeter of drill pits be fenced to prevent wildlife entrapment? ⊠ Yes □								
Proposed pit perimeter fence material: Temporary plastic tarps over mud pits unless in								
	Pits will be backfilled upon completion of drilling.							
	3							
		ribe how the pi	t perimeter fencing will	be installed and secured (i.e., T-posts, wooden				
	<u>Plast</u>	ic tarps will be r	placed over mud pits wh	le in use. Mud pits will be covered when drilling				
is completed.								
	<u> </u>							
	Will a		e of the interior of the o	drill pits be sloped at 3:1 as a ramp for wildlife				
	If No	, will another typ	pe of constructed escape	e ramp be installed? Describe:				
		cant/Owner/Optering the permi		ure-washing or steam-clean all equipment prior] No				
D.	Recla	amation Details						
	resto	red:	_	establishment of the surface topography will be necessary. Roads will be regraded and ripped to				
		-	sites will be re-seeded.					
	PICA	on one on one						

Describe how the reclamation of portals, adits, drilling fluid/mud and/or waste pits, shafts ponds, roads and other disturbances will be performed: Same as roads and drill pads- regrading and seeding.
Is seeding of the reclaimed areas proposed: ⊠ Yes □ No If no, provide a justification as to why no revegetation is needed:
Plant mix to be used in the re-establishment of vegetation:
 ☐ US Forest Service specified mix applied through broadcast at their recommended rate ☐ BLM specified mix applied through broadcast at their recommended rate ☐ Other:
Plant Name Seeding Rate (lbs./acre)

Blue Grama	1
Sideoats Grama	2
Sand Dropseed	.25
Indian Ricegrass	2
Purple Prairie Clover	2
Scarlet Globemallow	1
Winter Cover Crop of Triticale	10
	· · · · · · · · · · · · · · · · · · ·
Broadcast applied or drill-seeded: Bro	padcast Drill-seeded
	depth of all constructed drill pads and roads I pads and roads, and/or overland travel routes reas used for overland travel used for overland travel
Mulch Use: ☐ Certified weed-free straw mulch will be ripped at a rate of 2 tons per acre, and ☐ No mulch is proposed	e placed over areas that have been tilled/disced or I will be crimped in place
Reclamation Timeline	
•	lamation of the disturbed area as soon as possible of the exploration operation, unless the disturbed application for a new mining permit:

E.

Anticipated Start of Reclamation:	
0-30 days after completion of drilling	
Other/specify:	

SECTION 8 – PERMIT FEES AND FINANCIAL ASSURANCE (§302.I.2 AND 5)

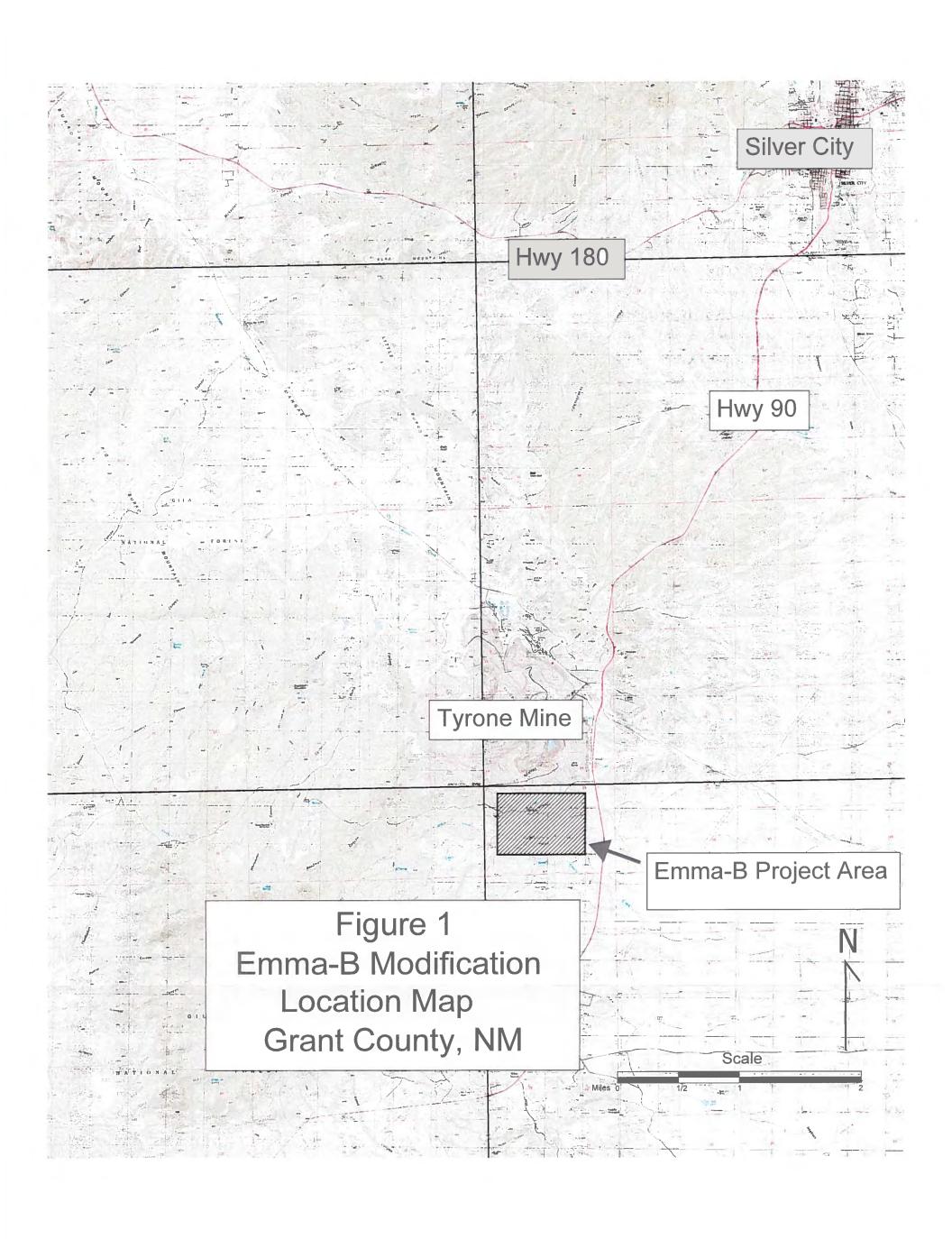
A.	Financial assurance must be posted with Mining and Minerals Division prior to approval of this application. The acceptable forms of financial assurance are surety bonds, letters of credit, and certificates of deposit. Provide an estimate of, and an instrument for, the proposed financial assurance required by Subpart 3.
	☐ Surety Bond ☐ Letter of Credit ☐ Cash Account / Certificate of Deposit
	Estimated amount of financial assurance: See attached
	Or
	Applicant will provide the amount of financial assurance calculated by MMD.
B.	Attach the permit fees as determined pursuant to Subpart 2. The application fee for a minimal impact exploration permit is \$500.00.
	☐ Money Order/Cashier's Check☑ Check
	Check Number : 000941302
	Financial Institution: Bank of America N.A.

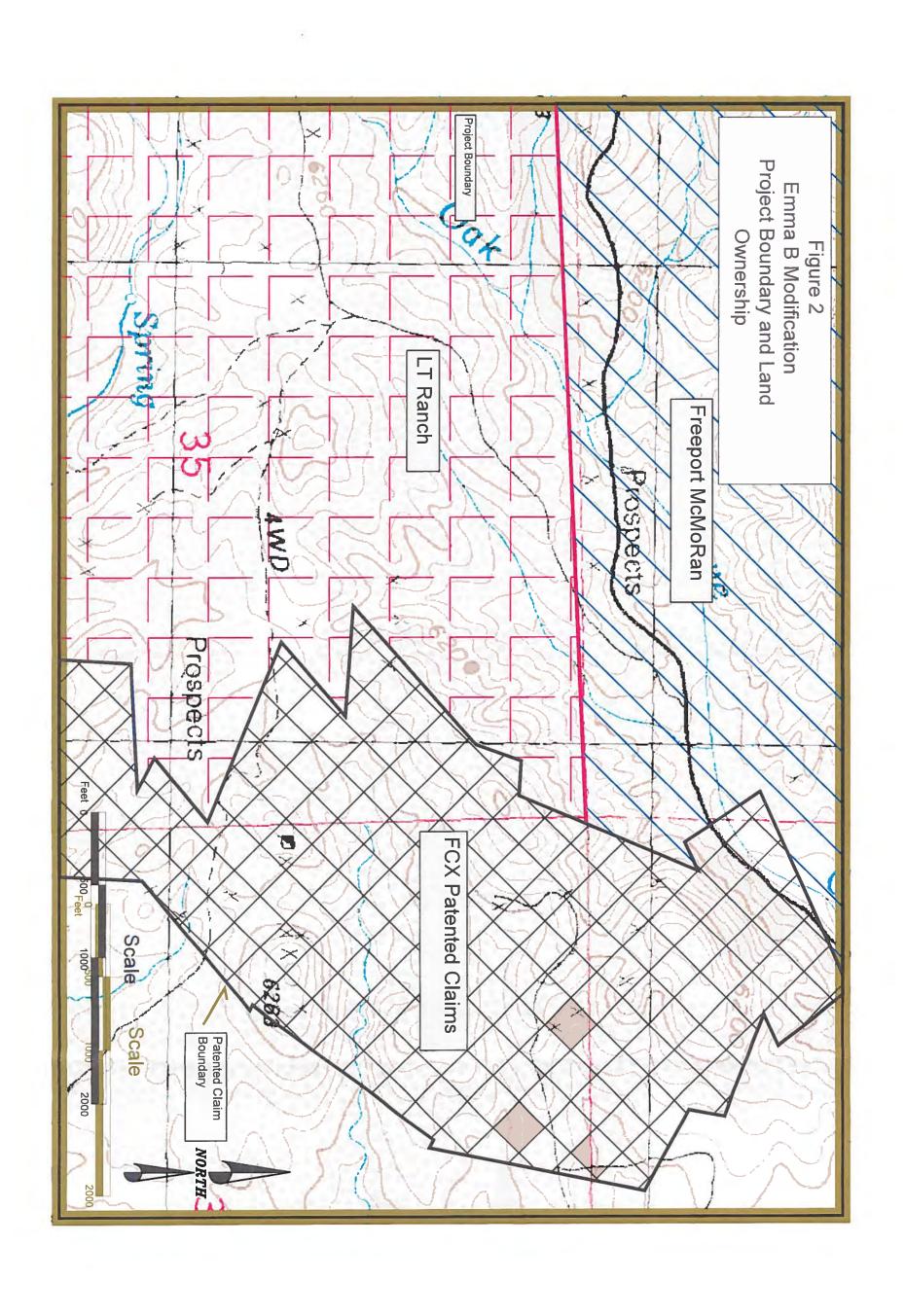
SECTION 9 - CERTIFICATION REQUIREMENT (§302.1.3 & 4)

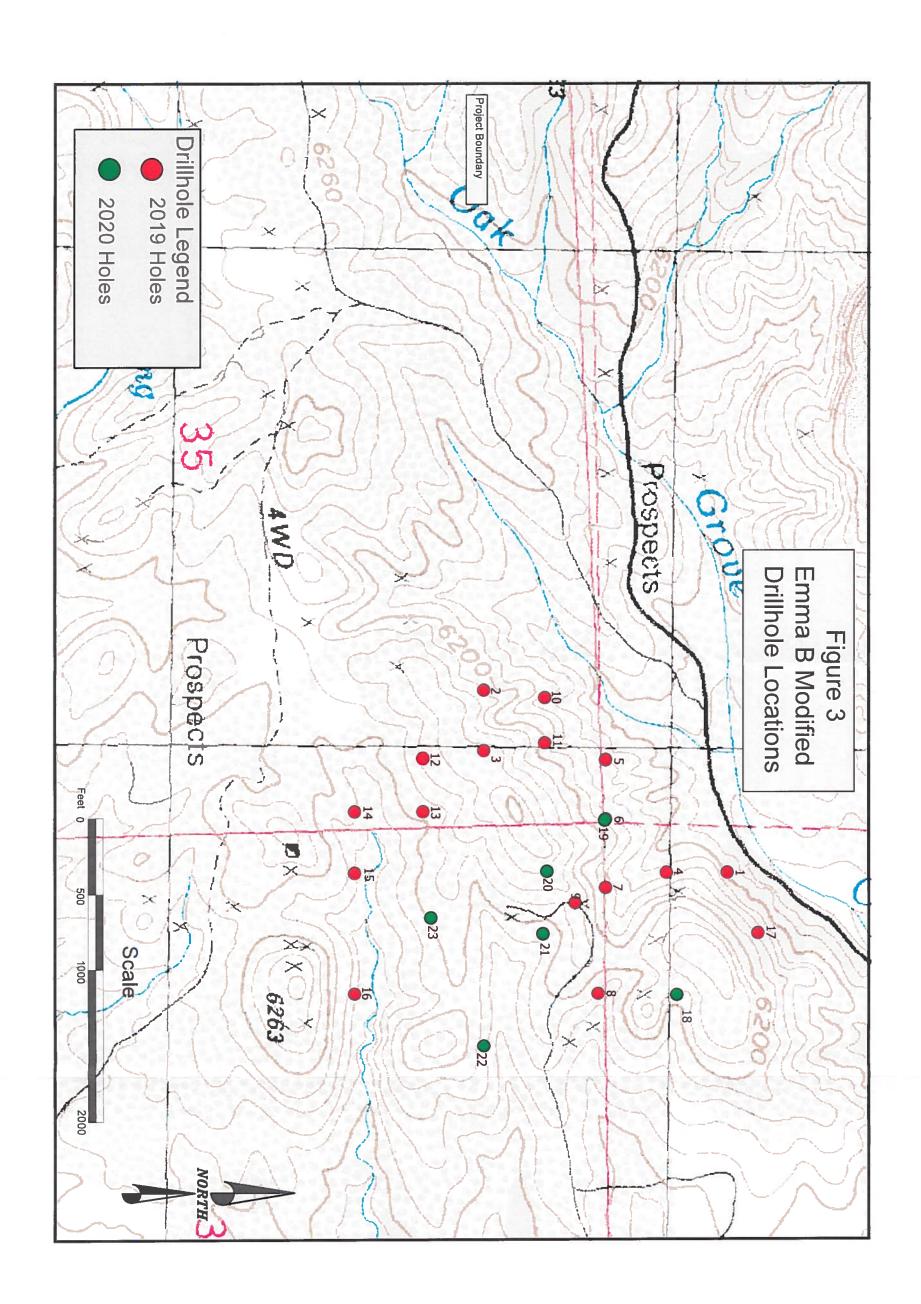
I certify that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals responsible for obtaining the information; I believe the submitted information is true, accurate, and complete. I agree to comply with the reclamation requirements set forth in this permit application and related correspondence, the New Mexico Mining Act and the Rules. Further, I certify that I am not in violation of any other obligation under the New Mexico Mining Act or the Rules adopted pursuant to that Act and I allow the Director to enter the permit area, without delay, for the purposes of conducting inspections during exploration and reclamation.

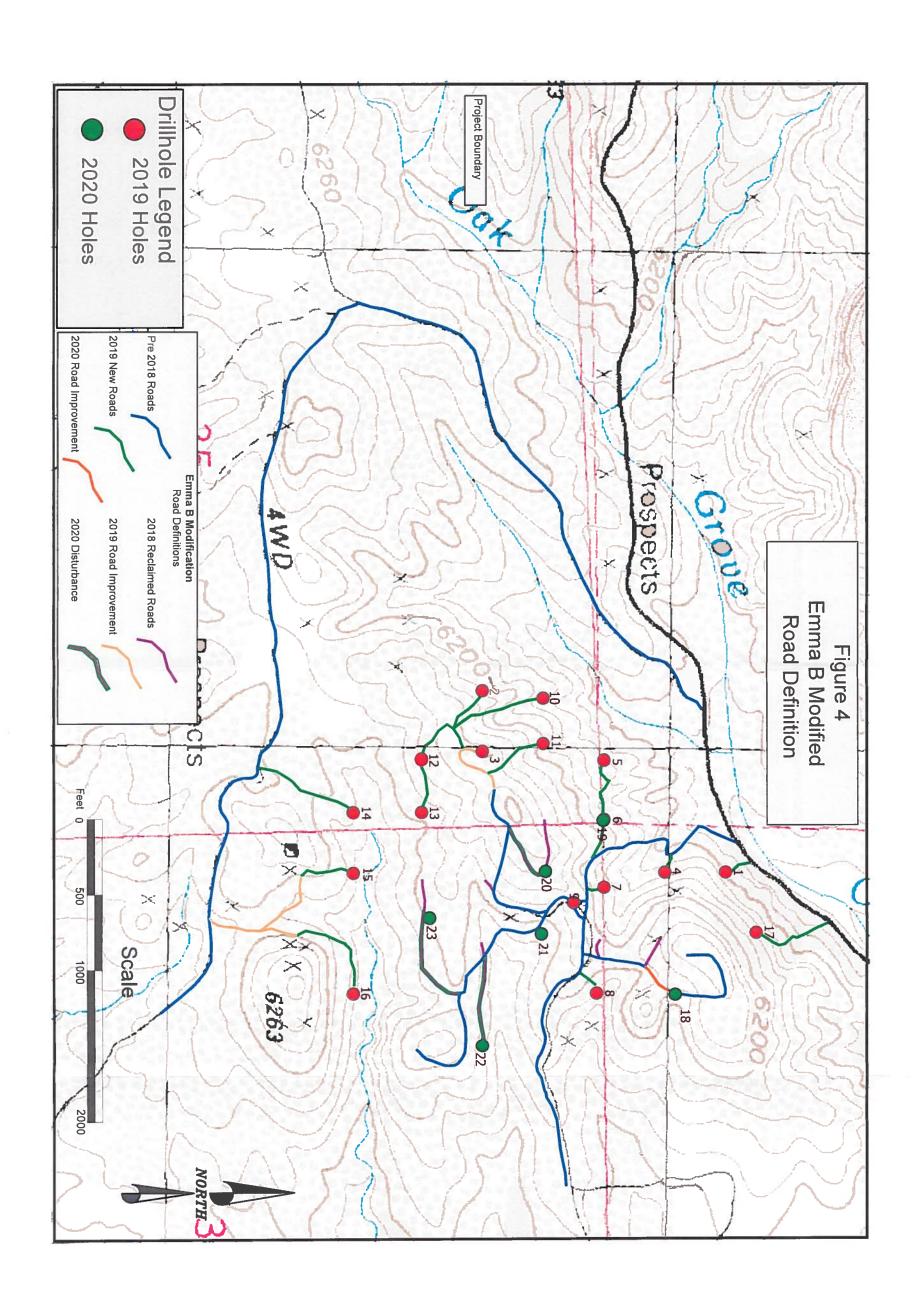
Signature of Permittee o	or Authorized Agent: Bruck Ma Hall
Name (type or print):	Brian D. McGill
Title/Position:	Environmental Manager
Date:	3/9/2020

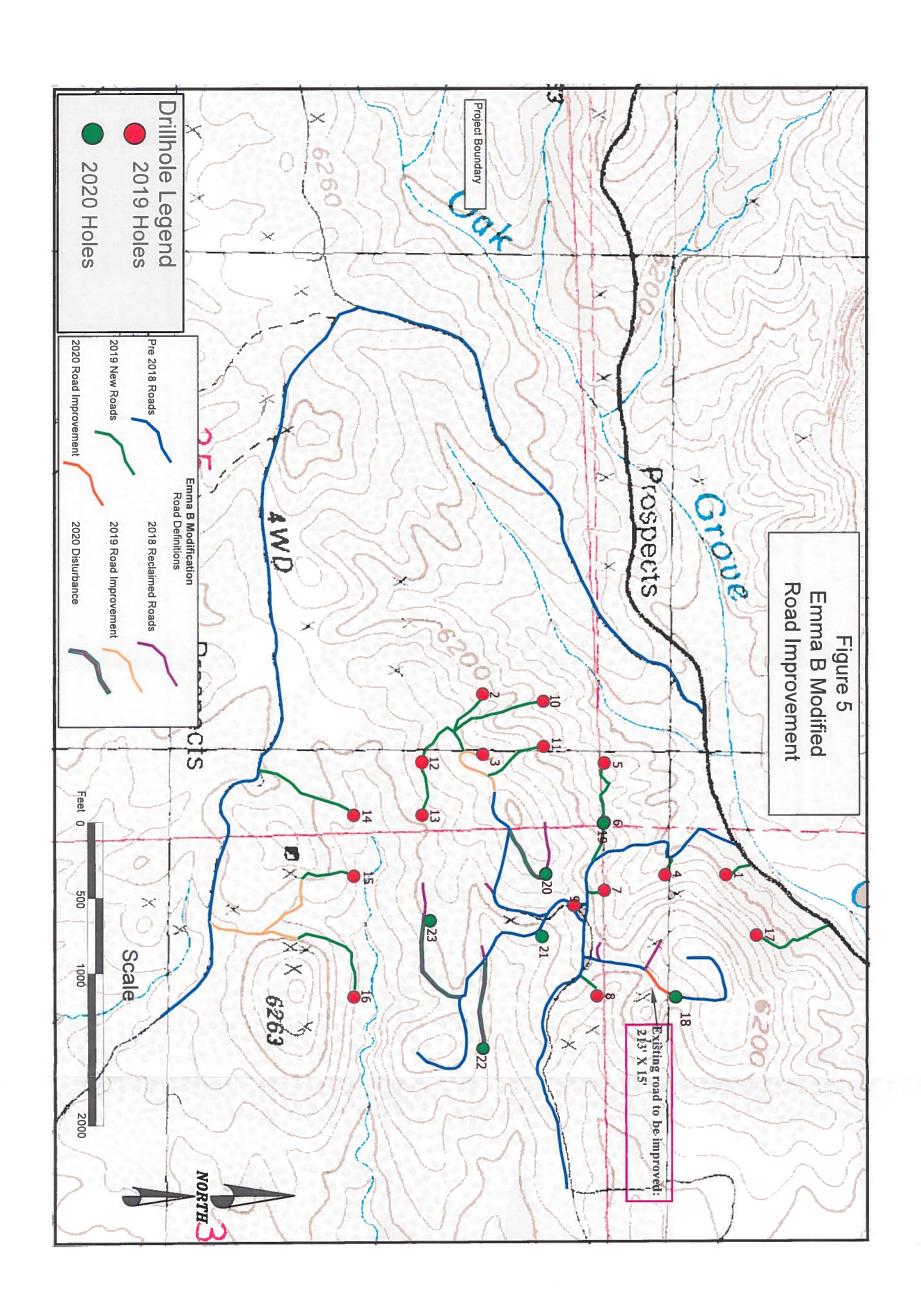
Table 1: 2020 Financial Assurance	e Cost Estir	mate for Expl	oration (Orilling at Emm	а-В	
Description Unit Quan		Quantity	tity Unit Rate (\$/unit)		Total Cost (\$)	
Em	ma-B Modif	fication FA				
Drill Pad & Acreage	acre	0.96	\$	4,900	\$	4,704
Total Modified FA (2020)					\$	4,704
E	Existing Emr	ma-B FA				
Surface Reclamation Costs (1st acre)	acre	1.00	\$	8,900	\$	8,900
Drill Road & Pad Reclamation	acre	2.43	\$	4,900	\$	11,903
¹ Plug and Abandon Exploration Drill Holes	ft.	10,400	\$	14	\$	145,600
Total Existing FA					\$	166,403
Total Existing & Modified FA				-	\$	171,107











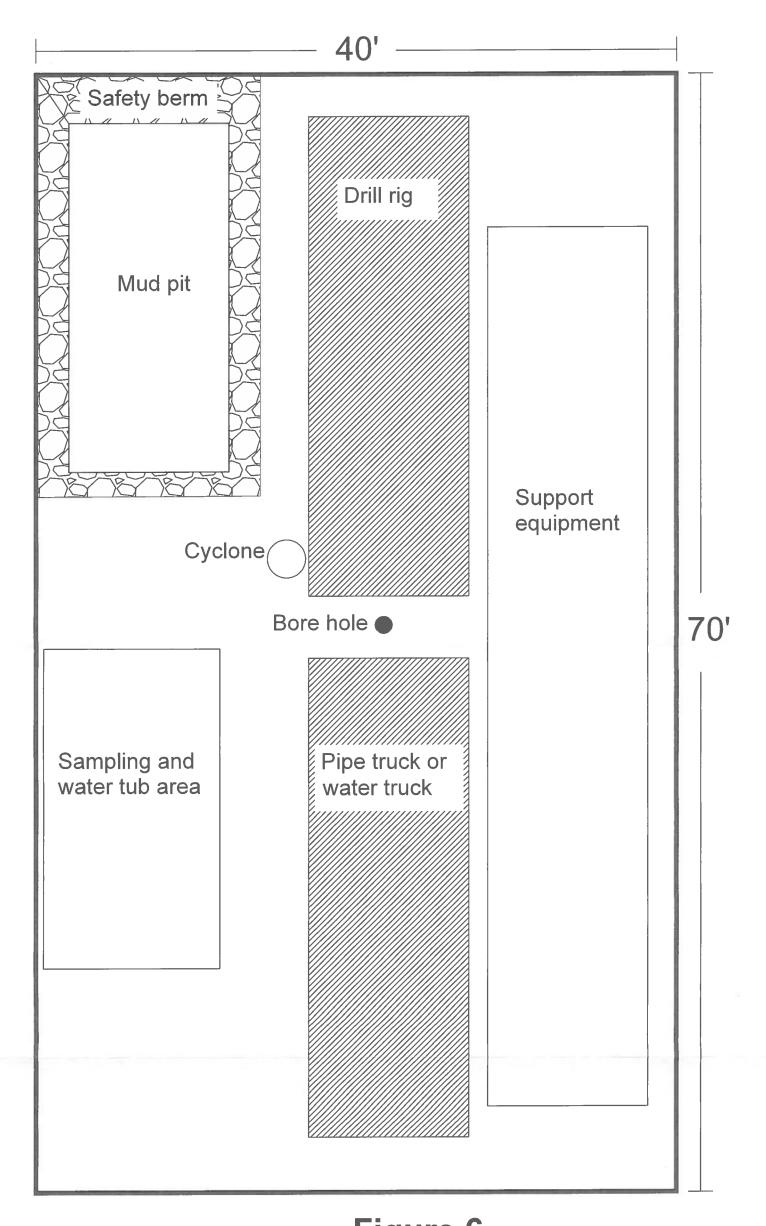


Figure 6
Emma B: Typical drill site layout. Drill pads will be required for all boreholes in this project.

