BRIAN SANDOVAL Governor





BRADLEY CROWELL Director

JASON KING, P.E. State Engineer

#### DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES

901 South Stewart Street, Suite 2002 Carson City, Nevada 89701-5250 (775) 684-2800 • Fax (775) 684-2811 <u>http://water.nv.gov</u>

January 24, 2018

RE: M/O-2156-Amended expiration date

Walter Weinig Esmeralda Minerals, LLC 108 North Minnesota Street Carson City, Nevada 89703

Re: Request to use wells CV-7 and CV-8 as monitoring wells for mineral resource development within the Clayton Valley Hydrographic Basin (143), Esmeralda County, Nevada.

Proposed Coordinates: Universal Transverse Mercator (UTM) meters (m), North American Datum 1983 (NAD83). CV-07 143 S02 E40 02 Bd [se<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub>] UTM (m) E: 450,055, N: 4,175,143, APN: 006-281-02 CV-08 143 S02 E40 31 Ab [nw<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>] UTM (m) E: 448,955, N: 4,175,605, APN: 006-281-02

Dear Mr. Weinig,

This letter is in response to your waiver application received in this office on October 4, 2017. As provided in Nevada Administrative Code (NAC) 534.441 of the Regulation for Water Well and Related Drilling, permission is herewith granted to use wells CV-07 and CV-08 as monitoring wells as described within your submittal. This waiver expires on November 8, 2018.

The wells must in compliance with the regulations and statutes governing monitor wells. The wells must be plugged as provided by NAC 534.4365.

This waiver expires November 8, 2018. If the need for the wells exceed the expiration date, you will need to notify this office and request a one (1) year extension prior to the expiration date or the wells must be plugged as provided by NAC 534.4365.

Please reference the above waiver number in all correspondence regarding these wells.

It is expressly understood that this authorization does not relieve the operator of the requirements of any other state, federal or local agencies.

RE: M/O-2156 January 24, 2018 Page 2

Should you have any questions regarding this matter, please contact me at the address above, by email at <u>khaffey@water.nv.gov</u> or at 775-684-2814.

Sincerely, Mapley Staff Engineer

KMH/jw

cc: Timothy Donahoe Tim Wilson, Well Drilling Regulation, e-mail Jake Echeverria, Well Drilling Regulation, e-mail Mike Scott, Well Drilling Regulation, e-mail BRIAN SANDOVAL Governor STATE OF NEVADA



JASON KING, P.E. State Engineer

#### DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES

901 South Stewart Street, Suite 2002 Carson City, Nevada 89701-5250 (775) 684-2800 • Fax (775) 684-2811 <u>http://water.nv.gov</u>

November 9, 2017

RE: M/O-2156

Walter Weinig Esmeralda Minerals, LLC 108 North Minnesota Street Carson City, Nevada 89703

Re: Request to use wells CV-7 and CV-8 as monitoring wells for mineral resource development within the Clayton Valley Hydrographic Basin (143), Esmeralda County, Nevada.

Proposed Coordinates: Universal Transverse Mercator (UTM) meters (m), North American Datum 1983 (NAD83).

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Dear Mr. Weinig,

This letter is in response to your waiver application received in this office on October 4, 2017. As provided in Nevada Administrative Code (NAC) 534.441 of the Regulation for Water Well and Related Drilling, permission is herewith granted to use wells CV-07 and CV-08 as monitoring wells as described within your submittal. This waiver expires on November 8, 2018.

The wells must in compliance with the regulations and statutes governing monitor wells. The wells must be plugged as provided by NAC 534.4365.

This waiver expires November 5, 2018. If the need for the wells exceed the expiration date, you will need to notify this office and request a one (1) year extension prior to the expiration date or the wells must be plugged as provided by NAC 534.4365.

Please reference the above waiver number in all correspondence regarding these wells.

It is expressly understood that this authorization does not relieve the operator of the requirements of any other state, federal or local agencies.

RE: M/O-2156 November 9, 2017 Page 2

Should you have any questions regarding this matter, please contact me at the address above, by email at <u>khaffey@water.nv.gov</u> or at 775-684-2814.

Sincerely, Kenneth M. Haffey Staff Engineer

KMH/jw

cc: Timothy Donahoe Tim Wilson, Well Drilling Regulation, e-mail Jake Echeverria, Well Drilling Regulation, e-mail Mike Scott, Well Drilling Regulation, e-mail

#### IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF NEVADA REQUEST FOR A WAIVER FOR OBSERVATION OR MONITOR WELL(S)

The applicant and/or person or company responsible for drilling and plugging the temporary well(s):

Walter Weinig	V.P. of Pro	jects and Permitt	ing Esmerald	la Minerals, LLC.
Name 108 N. Minnesota Street	Carson City	Title /	NV 897	Company 03
Street Address or PO Box		City or Town		State and ZIP Code
Telephone number of responsible party:	1	(775) 882-9900		
Estimated project dates:February 20	015 Start I	Date Ongo	oing Complet	ion Date
Location of the well: PLSS, GPS Coor (If more than one well is to be installed for the same p				
SE 1/4 NW 1/4 Section	32 T 0	2 s R 4	ю Е, М.D.B. & N	Л.
Latitude (N):	1	UTM (m) E:	450055	Datum
Latitude (N): Longitude (W):	f or f	UTM (m) N:	4175143	NAD83/WGS8
County Assessor Parcel Number (APN)	: 006-281-	02		
Street Address (if any): not applicable (		a second		
NDEP Order # (if any): not applicable				
Purpose and duration of well(s):		1.00 M 1.00 M 1.00	The second second	
The existing well is necessary for condu	ucting resour	e characterizatio	on and monitoring	efforts to support
mineral resource development and perm				• •
If this waiver is an amendment or chang has other monitor wells installed, please	_			M/O
The following ite	ems must be	submitted with	the waiver reques	st:
<ul> <li>A schematic drawing of the</li> <li>Affidavit of Intent to Plug a</li> <li>Location Map (i.e., Large S</li> <li>Site Detail Map (i.e., Small</li> </ul>	a Well (Listin Scale, inch =	g all wells by well I miles)		Affidavit for each ¼, ¼)
Signatory Contact Information:				
(775) 828-6800		Timo	thy P. Donahoe	
Telephone Number		Printed		
5250 Neil Road, Suite 3001330 SN331	PTATE ENGIN	-	Timetty P.O.	inhe
Mailing Address EE:01 HV		Signatu	re /	
Reno, NV 89502			10/3/2017	
City, State, ZIP Code	BECH	Date		
S120 PER QUARTER-QUA	RTER FILIN	G FEE MUST A	CCOMPANY THIS	S REQUEST

### IN THE OFFICE OF THE STATE ENGINEER OF NEVADA

## AFFIDAVIT OF INTENT TO ABANDON A WELL

		Notice of Intent #	#
I,	Walter Weinig, V.P.	Name & Title	
	ESMERALDA MINERALS, LLC.	Company	
	108 N. Minnesota Street	Address	INTE 0110
	Carson City, NV 89703		
	(775) 882-9900	Telephone Number	EIVI AM
	e real property located at:		2017 OCT -4 AM 10: 33
Stree	et address (if any) not applicable (Well CV-07)		
Cour	nty Assessor Parcel Number (APN) 006-281-	2	
Situa	tted within the <u>SE</u> <sup>1</sup> / <sub>4</sub> <u>NW</u> <sup>1</sup> / <sub>4</sub> Sect	on <u>32</u> T <u>02</u> s	R <u>40</u> E, M.D.B. & M.
{L L	Latitude (N):  or $ \begin{cases} U' \\ U' \\ U' \end{cases} $	M (m) E: 450055 M (m) N: 4175143	- } Datum NAD83/WGS84
and	whereupon an existing well or wells are loca	ed or to be located, fully u	understand that I shall be
respo	onsible for, and shall cause the existing well	to be plugged in accorda	ance with the provisions
conta	ained in Nevada Administrative Code (NAC)	34.420 and all other application	able rules and regulations
for d	rilling/plugging wells in the State of Nevada.		
I sha	ll further make any purchaser of this parcel aw	re of these conditions.	
	onsible Party ted Name): Walter Weinig	(Signature):	Deins
State	of Nevada		$\sigma$
Cour	nty of <u>Mashoe</u>		
Subs	cribed and sworn to before me on $07/18/13$		
by	Watter Weinig.	My Cr	K. JENS WALKER NOTARY PUBLIC STATE OF NEVADA ommission Expires: 01-13-18 erlificate No: 14-12646-2
A	K Wan		
	Signature of Notary Public Required	Notary Se	al

Signature of Notary Public Required

#### STATE OF NEVADA DIVISION OF WATER RESOURCES WELL DRILLER'S REPORT

	OFFICE USE ONLY
Log No.	
Permit No.	
Basin No	***************************************

PRINT OR TYPE IN BLACK INK ONLY DO NOT WRITE ON BACK

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 76334

3. New Well [	WORKED PERFO	The state of the s		006-28*	cal No	PRO	POSED USE		4,175,14	WELL TY	
Replacement	Original well log #				ing / Dewa		Com / Ind	Stock	Air Auger	Rotary	
	Original well log #				t / Other	lithium 🔲	Mun / QM	C Rec	Other		:01
6.	LITHO	LOGIC LOC	Water	From	То	9. WELL C Depth Dri	Iled: 2000		Depth (	100	-
Đ	benetnuoon	Circ.	Strata				102 UT-100	the second s	TER (BIT SIZE	and the second se	<u>.</u>
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pale brown all	the second s			190	380		21	Inches	0	Feet 100	).3
gray-brown sil	ilit, clay, and sand			380	500		3.95	Inches	100	Feet 20	DO
green-brown s	in, ciay, and sand	+		500	2000		12.25	Inches	100	Feet 20	00
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						6.625	pvc f480	sched	ule 80	+1.2	t
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oliter souther -						Cement G				Pumped	P
						Concrete (				Pumped .	Po
							Chips			Pumped	P
						Gravel Pad	ck [ > 0.2 in ] 20	to 19		umped	P
						Sand Pack	(<0.2 in.)	to		Pumped	P
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						Size of per					
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						From		Feet	To		
						From		Feet	То		
Date started	17-No			. 20	16	From		Feet	То		
Date completed 7.	5-Fe WATER QUAL			, 20	17	From 10.		Feet	То		
Static water leve			Feet beio	w land su	rface		as drilled under m	DRILLER'S CEI supervision. This	report is true to	the best of my	
		G.P.M.			P.S.I.	knowledge.					
Artesian Flow:	ture: cool	• Fahrenho brind				Name -	HARRIS EXPL	ORATION DRI	LLING AND	ASSOCIATE	S
Water Temperat						Address	P.O. BOX 8180	5 SAN DIEGO C			
	and the second second			-		-		Contracto			
Water Temperat Water Quality: 8.		EST DATA						0010000			
Water Temperat Water Quality:	Bailer Q	Pump 1	Air Lift	anorded T	Time		760-822-7886				*****
Water Temperat Water Quality: 8.	G.P.M. Dra		Air Lift	Recorded T (Hours)	lime	Nevada con	760-822-7886 htractor's license n y the State Comm	umber		00260004 4	
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Water Temperat Water Quality: 8. Test Method:	G.P.M. Dra (Feet E	Pump [ w Down	Air Lift	(Hours)	Fime	Nevada cor as issued b	ntractor's license n y the <u>State Comm</u> Il dnille's license n	umber	an other states in succession of the	0026000A A	
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Water Temperat Water Quality: 8. Test Method:	G.P.M. Dra (Feet E	Pump [ w Down	Air Lift	(Hours) 40 48		Nevada cor as issued b Nevada wei Nevada Dri	ntractor's license n y the State Contro II dhile's license n nego I fate 79 GEGU By dri	umber nors doero umber as issued b pources portile dr dources constants of the doero	an other states in succession of the		



Division of Water Resources Receipt for Payment



Timothy Donahoe 3280 LAPWING LN Reno, NV 89509 
 Check #:
 131

 Check Date:
 10/3/2017

 Date Received:
 10/4/2017

 Receipt #:
 34639

FY

Amount Permit #

Invoice #

Fee Type/Fee desc

Notes

2018

\$120.00 M/O WAIVER

- Waivers

COVERS M/O WAIVER X5

CHECK TOTAL \$600.00

10/5/2017

#### IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF NEVADA REQUEST FOR A WAIVER FOR OBSERVATION OR MONITOR WELL(S)

The applicant and/or person or company responsible for drilling and plugging the temporary well(s):

Name       Title       Iteration       Company         108 N. Minnesota Street       Carson City       NV 89703         Steet Address or PO Box       City or Town       State and ZIP Code         Telephone number of responsible party:       (775) 882-9900         Estimated project dates:       February 2015       Start Date       Ongoing       Completion Date         Location of the well:       PLSS, GPS Coordinates and Map Datum are required.       (If more than one well is to be installed for the same project, use the accompanying form to list each well)       NW       ½       NE       ½       Start Date       Ongoing       Completion Date         Location of the well:       PLSS, GPS Coordinates and Map Datum are required.       (If more than one well is to be installed for the same project, use the accompanying form to list each well)       NW       ½       NE       ½       State and ZIP Code         MUM       N       NE       ½       Steet Address       Map Datum       State and XIP Code       State and XIP Code         NUM       ½       NE       ½       Section 31       T       02       S       R       40       E, M.D.B. & M.       State and XIP Code         Longitude (W):       Interplicable       Or       UTM (m) N:       4175605       NAD83/WGS8.       OutMAD83/WGS8.	Walter Weinig	V.P. of Projects and I	Permitting	Esmeralda Mi	nerals, LLC.
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Latitude (N):			-		
County Assessor Parcel Number (APN):       006-281-02         Street Address (if any):       not applicable (CV-08)         NDEP Order # (if any):       not applicable         Purpose and duration of well(s):       The existing well is necessary for conducting resource characterization and monitoring efforts to support mineral resource development and permitting activities. Please refer to attached Well Driller's Report (Log) No. 127466.         If this waiver is an amendment or change to an original waiver, or if the property has other monitor wells installed, please give the original waiver number.       M/O	NW 1/4 NE 1/4 Section	31 T <u>02 s</u>	R <u>40</u> E, M	1.D.B. & M.	
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<ul> <li>A schematic drawing of the typical monitor well construction</li> <li>Affidavit of Intent to Plug a Well (Listing all wells by well ID/Name) (Separate Affidavit for each ¼, ¼)</li> <li>Location Map (i.e., Large Scale, inch = miles)</li> <li>Site Detail Map (i.e., Small Scale, inch = feet)</li> <li>Signatory Contact Information:         <ul> <li>(775) 828-6800</li> <li>Telephone Number</li> <li>301330 SM33N19N3 31V1</li> <li>Ste Detail Road, Suite 300</li> </ul> </li> <li>Mailing Address</li> <li>EE 101 MM h - 100 [102</li> <li>Reno, NV 89502</li> </ul>	has other monitor wells installed, please	give the original waive	er number.	M/0	0
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Timothy P. DonahoeTelephone Number $\exists \exists $	<ul> <li>Affidavit of Intent to Plug a</li> <li>Location Map (i.e., Large Sector)</li> </ul>	Well (Listing all wells t cale, inch = miles)		(Separate Affiday	vit for each ¼, ¼)
Telephone Number     Image: Signature       5250 Neil Road, Suite 300     Image: Signature       Mailing Address     EE:01 WV 1-100 LI02       Reno, NV 89502     Image: Signature	Signatory Contact Information:				
Sz.50 Nell Road, Suite 300         EE:01 WØ 1-100 L107         Limity P-Make           Mailing Address         EE:01 WØ 1-100 L107         Signature           Reno, NV 89502         IIII 2000000000000000000000000000000000	Telephone Number	A STATE ENGINEE		1.00	1
Reno, NV 89502 (77 A) 70/3/2017	JZJU INCH KURU, SUILE JUU		limit	the Northe	2
		IEOEI		017	

Rev 05/2017 - waiver\_mo PER QUARTER-QUARTER FILING FEE MUST ACCOMPANY THIS REQUEST

### IN THE OFFICE OF THE STATE ENGINEER OF NEVADA

### AFFIDAVIT OF INTENT TO ABANDON A WELL

		Notice of Intent # _			
I,	Walter Weinig, V.P.	_Name & Title			
	ESMERALDA MINERALS, LLC.	Company	~ ~		
	108 N. Minnesota Street	Address	OIT OC		
	Carson City, NV 89703		ENGIN		
	(775) 882-9900	_Telephone Number	AMI		
of the	e real property located at:		2017 OCT -4 AMIO: 33		
Stree	t address (if any) not applicable (Well CV-08)				
Coun	ty Assessor Parcel Number (APN) 006-281-0	)2			
Situa	ted within the <u>NW 1/4</u> NE 1/4 Sect	ion <u>31</u> T <u>02 s</u> R	40 E, M.D.B. & M.		
${L \\ L}$	atitude (N): or {U1 ongitude (W): or {U1	TM (m) E: 448955 TM (m) N: 4175605	Datum NAD83/WGS84		
and v	whereupon an existing well or wells are locat	ed or to be located, fully und	erstand that I shall be		
respo	nsible for, and shall cause the existing well	l to be plugged in accordanc	e with the provisions		
contained in Nevada Administrative Code (NAC) 534.420 and all other applicable rules and regulations					
for dr	rilling/plugging wells in the State of Nevada.				
I shal	l further make any purchaser of this parcel aw	are of these conditions.			
Responsible Party (Printed Name): Walter Weinig (Signature): Walter Weinig					
	of Nevada ty of <u>Washse</u>		$\mathcal{O}$		
Subse	cribed and sworn to before me on $07/8/$	17			
by	Walter Weinig.	NOTARY STATE OI My Commission	WALKER ? PUBLIC F NEVADA Expires: 01-13-18 o: 14-12646-2		
	0	Certificate IV			

Signature of Notary Public Required

Notary Seal

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### . C O K < O of 1 > > 8

		General Information	
	107100		and the second
Vell Log No: Valver No:	127466 MM-213	Owner: ESMERALDA MINERALS L	LC
Permit No:	N/A	Well Name: N/A CV-8	
Date Received:	3/22/2017	Address: N/A	
lotice of Intent:	76473		
		Location Information	
Reference:	Mount Diablo	Parcel No: 006-281-02	Latitude: 37.73
fownship:	02S	Lot No: N/A	Longitude: 117.58
Range:	40E	Subdivision: N/A	County: ESMERALDA
Section:	31	Block No: N/A	Work Type: New
Quarters:	NWNE	and the second second second	Proposed Use: Mining
		Well Construction	
Date Started:	11/21/2016	Perforations: 1656 ft	Static Water Level: 66 ft
Date Completed:	2/27/2017	From: 1189 ft	Pumping Water Level: 66 ft
Aquifer Desc:	N/A	To: 2845 ft	Method: N/A
lole Depth:	3192 ft	Perforation interval: 1	Specific Capacity: 0.00
Surface Casing Diameter:	4.62 in	Depth of Seal: 519	Yield: N/A
Cased To:	2874 ft	Draw Down: 0	Water Temperature: N/A
Casing Reductions:	2	Gravel Packed: Yes	After Hours Pump: 0
		From: 0 ft	and the second s
		To: O ft	
		Drilling Contractor Information	
ontractor's Lic No:	10157	Name: BOART LONGYEAR COMPANY	Y
contractor's Drilling No:	0	Address: 2745 WEST CALIFORNIA AVE	NUE
riller's Lic. No:	1809		
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2017OCT -4 AMIO: 33

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October 3, 2017

Mr. Jason King, P.E. State Engineer Nevada Division of Water Resources 901 South Stewart Street, Suite 2002 Carson City, NV 89701-5250

**srk** consulting

# RE: Applications for MO-Waiver(s) to Allow Use of Existing Wells for Monitoring Activities in Clayton Valley (10-143), Esmeralda County, Nevada

Dear Mr. King,

On behalf of Pure Energy Minerals Ltd. (PEM), SRK Consulting is submitting the subject waiver applications in the name of PEM's wholly owned subsidiary, Esmeralda Minerals, LLC. A check made payable to NDWR in the amount of \$600 is also included herewith to cover the statutorily mandated filing fees.

The waivers being applied for are necessary to allow use of existing wells CV-1, CV-3, CV-4, CV-7 and CV-8 for characterization and monitoring efforts to support PEM's mineral resource development and permitting activities for its Clayton Valley South project.

Thank you for your service and assistance in this matter – it is greatly appreciated. Should you desire additional information or clarification, please feel free to contact me at your convenience.

Sincerely,

SRK Consulting (U.S.), Inc.

Timothy P. Denahoe, PLS, WRS, CEM Senior Consultant (Hydrogeology and Water Rights) tdonahoe@srk.com 775-828-6800

cc w/ enc:

Patrick Highsmith (Pure Energy Minerals) Walter Weinig (Pure Energy Minerals) Paul Taggart (Taggart & Taggart, Ltd.) SRK Project file: 483600.010 TATE ENGINEERS OFFIC

SRK Reno

reno@srk.com www.srk.com

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Amount

Division of Water Resources Receipt for Payment



Timothy Donahoe 3280 LAPWING LN Reno, NV 89509 Check #: 131 Check Date: 10/3/2017 Date Received: 10/4/2017 Receipt #: 34639

FY

Permit #

Invoice #

Fee Type/Fee desc

Notes

2018

\$120.00 M/O WAIVER

- Waivers

COVERS M/O WAIVER X5

CHECK TOTAL \$600.00

10/5/2017