

FILE COPY

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MAR 09 2020

WATER RIGHTS PROGRAM

Mail to:  DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>2813-2</u> (office use only) Hydrologic Unit <u>10120111</u>
	Basin <u>Upper Cheyenne</u>
	Newspaper <u>Rapid City Journal 394-8336</u> <u>Black Hills Pioneer, Spearfish 442-2761</u>

**Application For Permit To Appropriate Water Within The State Of South Dakota**

Check use(s) of water:

<input type="checkbox"/> Municipal	<input type="checkbox"/> Water Distribution System	<input type="checkbox"/> Recreational	<input type="checkbox"/> Institutional
<input type="checkbox"/> Rural Water System	<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Fish & Wildlife	<input type="checkbox"/> Geothermal
<input type="checkbox"/> Domestic (over 18 gpm)	<input checked="" type="checkbox"/> Industrial	<input type="checkbox"/> Other	

Type of Application: (check one)

New     Vested Right (Use predates Mar 2, 1955)     Future Use Reservation

Place to Beneficial Use Water Reserved by Future Use Permit No. \_\_\_\_\_

Amendment/Correction to Permit No. \_\_\_\_\_

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Water Permit Mineral Mountain Resources (SD) Inc.

Mailing Address 1/2 Bennett, Main & Grubbrude 618 State St. Belle Fourche SD 57717

(Address) (City) (State) (Zip Code)

Phone 605-792-2011 Mobile \_\_\_\_\_ Email bell@law.ebell@law.com

2. Amount of water claimed 0.022 \*CFS or 10 \*\*GPM and 3.68 \*\*\*AF or 1,200,000 Gallons

Flow rate and volume are both required. (\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*\*)Acre Feet - storage capacity of dam/dugout or annual use)

3. Source of water supply New water well

4. Location of point of diversion NW 1/4 SW 1/4 Section 24 - T20N - R03E County Pennington

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above?  Yes  No

If "Yes," where will water be used? Patented & Unpatented Mineral Claims - refer to Table attached

(example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used Pennington & Lawrence

6. Annual period during which water is to be used January - December

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Exploration activity will be carried out in the greater Rochford area, on patented & unpatented mineral claims owned & under control of Mineral Mountain Resources (SD) Inc. Water will be used to lubricate & cool the drill bit and flush core cuttings from the drill hole to poly-lined sumps located in close proximity to the drill hole.

I, [Signature] Name of Person Project Manager Title (if applicable), the applicant, certify under

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

## Supplemental Information

(type or print)

**1. Well Information** (check one or both as applicable)  Drilling new well(s)  Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled  Yes  No Drilled by Alexander Drilling, Inc.  
(if yes, please provide copies of logs)
- b) If existing wells, how many 0 Provide copy of log(s), if available. Drilled by \_\_\_\_\_

For either Existing or Proposed Wells:

- c) Well Depth (required) 700 Depth to Top of Water Bearing Material 30 Depth to Water from Surface 30
- d) Distance to nearest domestic well on applicant's property n/a Property owned by others ? 1 mile

**2. Wastewater Disposal System Information** - *no waste water disposal associated w/ application*

- a) Type of System (i.e. septic tank, drain field) \_\_\_\_\_
- b) System Capacity (gallons) \_\_\_\_\_ Year Constructed \_\_\_\_\_
- c) Connected to the City of \_\_\_\_\_ Sanitary System

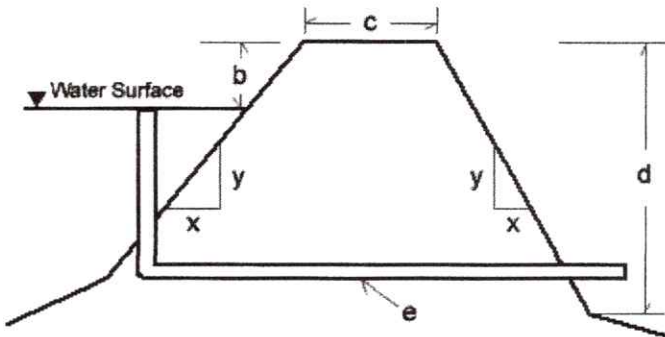
**3. Dugout Information**

- a) Surface Dimensions \_\_\_\_\_ Depth \_\_\_\_\_
- b) Depth to water (ground surface to water level) \_\_\_\_\_

**4. Water Storage Dams**

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard \_\_\_\_\_
- c) Crest Width \_\_\_\_\_  
 Crest Length \_\_\_\_\_
- d) Height \_\_\_\_\_
- e) Primary Outlet Capacity \_\_\_\_\_  
 If pipe, diameter \_\_\_\_\_
- f) Secondary Spillway Capacity \_\_\_\_\_  
 Spillway Width \_\_\_\_\_
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)  
 Upstream \_\_\_\_\_  
 Downstream \_\_\_\_\_
- h) Surface Area of Impoundment \_\_\_\_\_
- i) Storage \_\_\_\_\_ Acre Feet
- j) Drainage Area Above Dam \_\_\_\_\_ Acres

# SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location SW ¼ SW ¼ Sec 24 Twp 2N Rg 3E

Well Owner: Mineral Mountain Resources (SD) Inc.

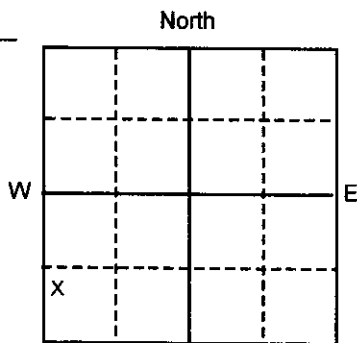
Business Name: \_\_\_\_\_

Address: Ste 401- 1195 West Broadway

City, State, Zip: Vancouver, BC, Canada V6h 3X5

County Penningtin

Please mark well location with an "X"



Well Completion Date

February 7, 2020

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.):? ft. from 1/4 mile (identify source)

**PROPOSED USE:**

- Domestic/Stock Irrigation   
  Municipal Industrial   
  Business Institutional   
  Test holes Monitoring well

**METHOD OF DRILLING:**

Rotary downhole hammer

**CASING DATA:**

Steel     Plastic     Other  
 If other describe Set 40' of 6" 160 pvc

WEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	0.0 FT	38.0 FT	8.75 IN
LB/FT	IN	38.0 FT	700.0 FT	6.00 IN
LB/FT	IN	FT	FT	IN

**GROUTING DATA:**

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Portland II</u>	<u>4</u>	Lb/gal	<u>38.0 Ft</u>	<u>6.0 Ft</u>
		Lb/gal	Ft	Ft

Describe grouting procedure through trimmie pipe

**SCREEN:**

Perforated pipe     Manufactured  
 Diameter \_\_\_\_\_ Inches    Length \_\_\_\_\_ Feet  
 Material \_\_\_\_\_  
 Slot Size \_\_\_\_\_ Set From \_\_\_\_\_ Feet to \_\_\_\_\_ Feet

Other information

**WAS A PACKER OR SEAL USED?**

Yes     No

If so, what material? \_\_\_\_\_  
 Describe packer(s) and location

**DISINFECTION:**

Was well disinfected upon completion?

- Yes, How?  
 No, Why Not?

Up to which water quality sample sent for analysis

Test hole

**WELL LOG:**

FORMATION	DEPTH	
	FROM	TO
Broken Schist	0	30
Hard grey schist	30	48
Schist fracture 2-3 gpm	48	50
Hard grey schist	50	210
Schist fracture 5 gpm	210	212
Hard grey schist	212	338
Schist fracture 8 gpm	338	340
Hard grey schist	340	630
Schist fracture 9-10 gpm	630	632

**STATIC WATER LEVEL**

30.0 FEET

If flowing: closed in pressure \_\_\_\_\_ PSI

GPM flow 9.0 through \_\_\_\_\_ Inch pipe

Controlled by  Valve     Reducers     Other

Reduced flow rate \_\_\_\_\_ GPM

Can well be completely shut in?

**WELL TEST DATA:**

- Pumped Describe: w/air  
 Bailed  
 Other

Pumping Level Below Land Surface

\_\_\_\_\_ Ft. After \_\_\_\_\_ Hrs. pumped \_\_\_\_\_ GPM

\_\_\_\_\_ Ft. After \_\_\_\_\_ Hrs. pumped \_\_\_\_\_ GPM

If pump installed, pump rate: \_\_\_\_\_ GPM

**REMARKS**

Formation continued:  
Hard grey schist 632-700

This well was drilled under license # 324 and this report is true and accurate.

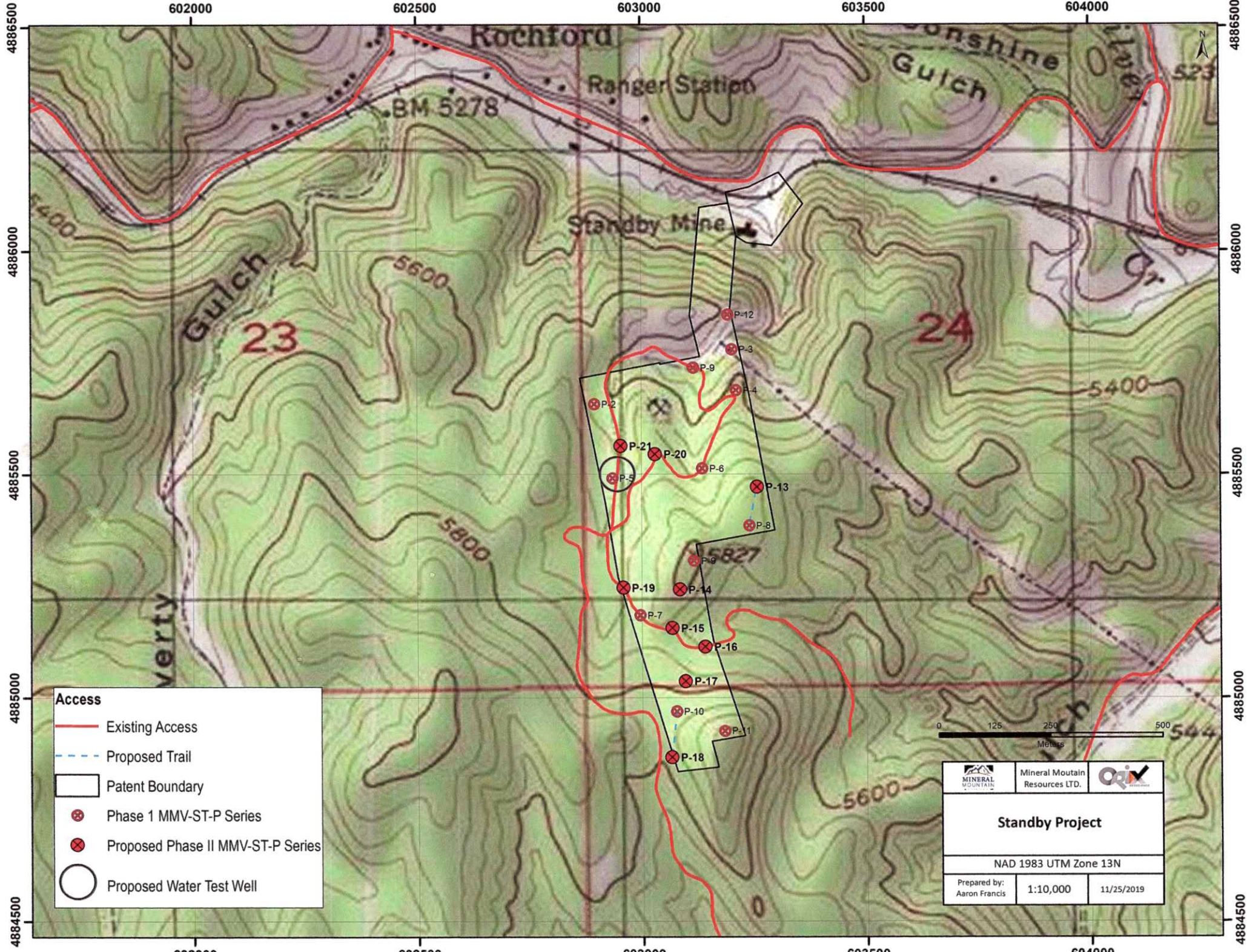
Drilling firm: Alexander Drilling, Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: \_\_\_\_\_







**Access**

- Existing Access
- - - Proposed Trail
- Patent Boundary
- ⊗ Phase 1 MMV-ST-P Series
- ⊗ Proposed Phase II MMV-ST-P Series
- Proposed Water Test Well



	Mineral Mountain Resources LTD.	
<b>Standby Project</b>		
NAD 1983 UTM Zone 13N		
Prepared by: Aaron Francis	1:10,000	11/25/2019



**Table 1**

Drill Sites - under PoO / EA Application (pending approval)	REGIONAL	Unpatented Mineral Claims	Section, Township and Range
			NE 1/4 Section 12 - T 001N - R 003E SE 1/4 Section 1 - T 001N - R 003E SW 1/4 Section 25 - T 002N - R 003E NW 1/4 Section 25 - T 002N - R 003E NE 1/4 Section 25 - T 002N - R 003E SE 1/4 Section 24 - T 002N - R 003E NE 1/4 Section 24 - T 002N - R 003E SE 1/4 Section 13 - T 002N - R 003E NE 1/4 Section 13 - T 002N - R 003E NE 1/4 Section 13 - T 002N - R 004E SW 1/4 Section 7 - T 002N - R 004E SE 1/4 Section 12 - T 002N - R 003E NW 1/4 Section 7 - T 002N - R 004E NE 1/4 Section 12 - T 002N - R 003E NW 1/4 Section 11 - T 002N - R 003E NE 1/4 Section 14 - T 002N - R 003E SW 1/4 Section 14 - T 002N - R 003E SW 1/4 Section 23 - T 002N - R 003E SW 1/4 Section 23 - T 002N - R 003E NW 1/4 Section 26 - T 002N - R 003E SE 1/4 Section 26 - T 002N - R 003E NE 1/4 Section 35 - T 002N - R 003E SW 1/4 Section 26 - T 002N - R 003E NW 1/4 Section 35 - T 002N - R 003E NE 1/4 Section 35 - T 002N - R 003E
Drill Sites - approved under DENR Permits NI 423 and NI 427	STANDBY	Patented Claims	Section, Township and Range
			NW 1/4 Section 24 - T 002N - R 003E SW 1/4 Section 24 - T 002N - R 003E NW 1/4 Section 25 - T 002N - R 003E

2020-21 Proposed Drill Sites - Rochford Project SD

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Number	Drill Site	Claim #	Section	Township	Range	Comments
1	RD-P-01	VCB 88	12	T.1 N.	R.3 E.	Regional - MMV Claims
2	RD-P-02	VCB 85	12	T.1 N.	R.3 E.	Regional - MMV Claims
3	RD-P-03	VCB 83	12	T.1 N.	R.3 E.	Regional - MMV Claims
4	RD-P-04	VCB 105	1	T.1 N.	R.3 E.	Regional - MMV Claims
5	RD-P-07	VCA 32	1	T.1 N.	R.3 E.	Regional - MMV Claims
6	RD-P-08	VCB 70	1	T.1 N.	R.3 E.	Regional - MMV Claims
7	RD-P-09	VCA 26	36	T.2 N.	R.3 E.	Regional - MMV Claims
8	RD-P-38	VC386	23	T.1 N.	R.3 E.	Regional - MMV Claims
9	RD-P-39	VC 305	23	T.2 N.	R.3 E.	Regional - MMV Claims
10	RD-P-40	VC 146	26	T.2 N.	R.3 E.	Regional - MMV Claims
11	RD-P-41	VC 146	26	T.2 N.	R.3 E.	Regional - MMV Claims
12	RD-P-42	VC 137	26	T.2 N.	R.3 E.	Regional - MMV Claims
13	RD-P-43	VC 238	26	T.2 N.	R.3 E.	Regional - MMV Claims
14	RD-P-44	VC 238	26	T.2 N.	R.3 E.	Regional - MMV Claims
15	RD-P-45	VC 239	35	T.2 N.	R.3 E.	Regional - MMV Claims
16	RD-P-46	VC 290	35	T.2 N.	R.3 E.	Regional - MMV Claims
17	RD-P-47	VC 289	35	T.2 N.	R.3 E.	Regional - MMV Claims
18	RD-P-12	VCA 14	36	T.2 N.	R.3 E.	Regional - MMV Claims
19	RD-P-13	R 86	25	T.2 N.	R.3 E.	Regional - MMV Claims
20	RD-P-15	R 86	25	T.2 N.	R.3 E.	Regional - MMV Claims
21	RD-P-16	R 77	25	T.2 N.	R.3 E.	Regional - MMV Claims
22	RD-P-18	VCB 38	24	T.2 N.	R.3 E.	Regional - MMV Claims
23	RD-P-19	VC 161	25	T.2 N.	R.3 E.	Regional - MMV Claims
24	RD-P-20	VCB 101	24	T.2 N.	R.3 E.	Regional - MMV Claims
25	RD-P-21	VCB 36	25	T.2 N.	R.3 E.	Regional - MMV Claims
26	RD-P-22	VCB 40	25	T.2 N.	R.3 E.	Regional - MMV Claims
27	RD-P-23	R 97	25	T.2 N.	R.3 E.	Regional - MMV Claims
28	RD-P-26	VC 445	13	T.2 N.	R.3 E.	Regional - MMV Claims
29	RD-P-27	VC 435	13	T.2 N.	R.3 E.	Regional - MMV Claims
30	RD-P-28	VC 436	13	T.2 N.	R.3 E.	Regional - MMV Claims
31	RD-P-29	VC 419	13	T.2 N.	R.3 E.	Regional - MMV Claims
32	RD-P-30	VC 427	18	T.2 N.	R.4 E.	Regional - MMV Claims
33	RD-P-31	VC 424	7	T.2 N.	R.4 E.	Regional - MMV Claims
34	RD-P-32	VC 409	12	T.2 N.	R.3 E.	Regional - MMV Claims
35	RD-P-33	VC 409	12	T.2 N.	R.4 E.	Regional - MMV Claims
36	RD-P-34	VC 406	12	T.2 N.	R.3 E.	Regional - MMV Claims
37	RD-P-35	VC 306	11	T.2 N.	R.3 E.	Regional - MMV Claims
38	RD-P-36	VC 353	14	T.2 N.	R.3 E.	Regional - MMV Claims
39	RD-P-37	VC 361	14	T.2 N.	R.3 E.	Regional - MMV Claims
40	CR-17-A	VC-193	26	T.2 N.	R.3 E.	Regional - MMV Claims
41	CR-17-B	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
42	CR-17-C	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
43	CR-17-D	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
44	CR-17-E	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
45	CR-17-F	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
46	CR-17-G	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
47	CR-17-H	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
48	CR-17-I	VC-233	35	T.2 N.	R.3 E.	Regional - MMV Claims
49	CR-17-J	VC-284	35	T.2 N.	R.3 E.	Regional - MMV Claims
50	CR-17-K	VC-129	26	T.2 N.	R.3 E.	Regional - MMV Claims
51	CR-17-L	VCB-91	26	T.2 N.	R.3 E.	Regional - MMV Claims
52	CR-17-M	VC-233	35	T.2 N.	R.3 E.	Regional - MMV Claims
53	CR-17-N	VC-287	35	T.2 N.	R.3 E.	Regional - MMV Claims
54	CR-17-P	VC285	35	T.2 N.	R.3 E.	Regional - MMV Claims
55	CR-17-Q	VC-285	35	T.2 N.	R.3 E.	Regional - MMV Claims
56	CR-17-R	VC-284	35	T.2 N.	R.3 E.	Regional - MMV Claims
57	CR-17-S	VC-281	35	T.2 N.	R.3 E.	Regional - MMV Claims
58	CR-17-T	VC-281	35	T.2 N.	R.3 E.	Regional - MMV Claims
59	CR-17-U	VC-281	35	T.2 N.	R.3 E.	Regional - MMV Claims

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1	MMV-ST-P-22		24	T.2 N.	R.3 E.	Standby Patents
2	MMV-ST-P-23		24	T.2 N.	R.3 E.	Standby Patents
3	MMV-ST-P-24		24	T.2 N.	R.3 E.	Standby Patents
4	MMV-ST-P-25		24	T.2 N.	R.3 E.	Standby Patents
5	MMV-ST-P-26		24	T.2 N.	R.3 E.	Standby Patents
6	MMV-ST-P-27		24	T.2 N.	R.3 E.	Standby Patents
7	MMV-ST-P-28		24	T.2 N.	R.3 E.	Standby Patents
8	MMV-ST-P-29		24	T.2 N.	R.3 E.	Standby Patents
9	MMV-ST-P-30		24	T.2 N.	R.3 E.	Standby Patents
10	MMV-ST-P-31		24	T.2 N.	R.3 E.	Standby Patents
11	MMV-ST-P-32		24	T.2 N.	R.3 E.	Standby Patents
12	MMV-ST-P-33		24	T.2 N.	R.3 E.	Standby Patents
13	MMV-ST-P-34		24	T.2 N.	R.3 E.	Standby Patents
14	MMV-ST-P-35		24	T.2 N.	R.3 E.	Standby Patents
15	MMV-ST-P-36		24	T.2 N.	R.3 E.	Standby Patents
16	MMV-ST-P-37		24	T.2 N.	R.3 E.	Standby Patents
17	MMV-ST-P-38		24	T.2 N.	R.3 E.	Standby Patents
18	MMV-ST-P-39		24	T.2 N.	R.3 E.	Standby Patents
19	MMV-ST-P-40		24	T.2 N.	R.3 E.	Standby Patents
20	MMV-ST-P-41		24	T.2 N.	R.3 E.	Standby Patents
21	MMV-ST-P-42		24	T.2 N.	R.3 E.	Standby Patents
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23	MMV-ST-P-44		24	T.2 N.	R.3 E.	Standby Patents
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26	MMV-ST-P-47		24	T.2 N.	R.3 E.	Standby Patents
27	MMV-ST-P-48		24	T.2 N.	R.3 E.	Standby Patents
28	MMV-ST-P-49		24	T.2 N.	R.3 E.	Standby Patents
29	MMV-ST-P-50		24	T.2 N.	R.3 E.	Standby Patents
30	MMV-ST-P-51		24	T.2 N.	R.3 E.	Standby Patents
31	MMV-ST-P-52		24	T.2 N.	R.3 E.	Standby Patents
32	MMV-ST-P-53		24	T.2 N.	R.3 E.	Standby Patents
33	MMV-ST-P-54		24	T.2 N.	R.3 E.	Standby Patents
34	MMV-ST-P-55		24	T.2 N.	R.3 E.	Standby Patents
35	MMV-ST-P-56		24	T.2 N.	R.3 E.	Standby Patents
36	MMV-ST-P-57		24	T.2 N.	R.3 E.	Standby Patents
37	MMV-ST-P-58		24	T.2 N.	R.3 E.	Standby Patents
38	MMV-ST-P-59		24	T.2 N.	R.3 E.	Standby Patents
39	MMV-ST-P-60		24	T.2 N.	R.3 E.	Standby Patents
40	MMV-ST-P-61		24	T.2 N.	R.3 E.	Standby Patents
41	MMV-ST-P-62		24	T.2 N.	R.3 E.	Standby Patents
42	MMV-ST-P-63		24	T.2 N.	R.3 E.	Standby Patents
43	MMV-ST-P-64		24	T.2 N.	R.3 E.	Standby Patents
44	MMV-ST-P-65		24	T.2 N.	R.3 E.	Standby Patents
45	MMV-ST-P-66		24	T.2 N.	R.3 E.	Standby Patents