

Big Sky County Water and Sewer District No. 363

***Source Capacity Plan 2022 Update
Volume 2 - Appendices***

September 2022



Western Groundwater Services, LLC

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APPENDIX A – WATER SUPPLY WELL LOGS

MONTANA WELL LOG REPORT**Other Options**

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground-Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

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Site Name: BIG SKY WATER AND SEWER DISTRICT - MEADOW VILLAGE - WELL 1
GWIC Id: 103505 MEADOW VILLAGE NO. 1
DNRC Water Right: W122635-00 (TEST WELL)

Section 7: Well Test Data

Total Depth: 50
 Static Water Level: 11
 Water Temperature:

Section 1: Well Owner**Owner Name**

BIG SKY OF MONTANA

Mailing Address

SPOTTED ELK ROAD

City

BOZEMAN

State

MT

Zip Code

59715

Pump Test *

Depth pump set for test _ feet.

200 gpm pump rate with _ feet of drawdown after _ hours of pumping.

Time of recovery _ hours.

Recovery water level _ feet.

Pumping water level _19_ feet.

Section 2: Location

Township	Range	Section	Quarter Sections
06S	03E	36	SW¼ SW¼ SW¼ NE¼
County			Geocode

GALLATIN

Latitude	Longitude	Geomethod	Datum
45.2686	111.3007	MAP	NAD27
Altitude	Method	Datum	Date
6230			

Addition	Block	Lot

Section 8: Remarks**Section 9: Well Log****Geologic Source**

Unassigned

From	To	Description
0	1	SOILS
1	12	CLAYS & SILTS WET AT 12FT
12	19	WHEAT & PEA SIZE GRAVELS CLAYBOUND LARGER GRAVELS @ 13FT 10 GPM @ 17FT
19	21	VERY FINE TIGHT CLAYBOUND SANDS LITTLE WATER
21	23	SAME AS ABOVE BUT MORE CLAYS WET
23	24	FINE SANDS & GRAVEL (DIRTY) CLEAN GRAVELS LENSE @ 24FT
24	31	CLEANER FINE SANDS & GRAVELS 20 GPM @ 28FT
31	34	SMOOTH PEA SIZE GRAVELS DIRTY NOT MUCH WATER
34	38	VERY LOOSE COARSE CLEAN GRAVELS 40 GPM WATER
38	41	SANDS LITTLE AMOUNT OF GRAVELS
41	44	LOOSE CLEAN GRAVELS FINE TO COARSE LOTS OF WATER
44	50	FINE TO COARSE SAND & GRAVELS DIRTY & TIGHT WATER @ 47FT NOT MUCH AT 50FT
50	50	SHALES

Section 3: Proposed Use of Water

MONITORING (1)

Section 4: Type of Work

Drilling Method: CABLE

Section 5: Well Completion Date

Date well completed: Sunday, August 09, 1970

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	50	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	50	6				STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
27	31	6		1/4X2IN	SLOTS
34	38	6		1/4X2IN	SLOTS
41	44	6		1/4X2IN	SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	0	DRILL CUTTINGS	

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:

Company: VAN DYKEN DRILLING INC

License No: WWC-1

Date Completed: 8/9/1970

MONTANA WELL LOG REPORT**Other Options**

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Site Name: BIG SKY OF MONTANA * SPOTTED ELK 2**GWIC Id: 103507****DNRC Water Right: P049666-00****MEADOW VILLAGE NO. 2****Section 1: Well Owner****Owner Name**

BIG SKY OF MONTANA

Mailing Address

PO BOX 1

City

BIG SKY

State

MT

Zip Code

59716

Section 2: Location**Township**

06S

Range

03E

Section

36

Quarter Sections

SE¼ SE¼ NW¼

County

GALLATIN

Geocode**Latitude**

45.269017

Longitude

111.302446

Geomethod

TRS-SEC

Datum

NAD83

Altitude**Method****Datum****Date****Addition****Block****Lot****Section 3: Proposed Use of Water**

PUBLIC WATER SUPPLY (1)

Section 4: Type of Work

Drilling Method: CABLE

Section 5: Well Completion Date

Date well completed: Saturday, June 12, 1982

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	59	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	59	6				STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
37	56	6		1/4IN	SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	0	DRILL CUTTINGS	

Section 7: Well Test Data

Total Depth: 59

Static Water Level: 14

Water Temperature:

Pump Test *

Depth pump set for test _ feet.

285 gpm pump rate with _ feet of drawdown after 9.5 hours of pumping.

Time of recovery _ hours.

Recovery water level _ feet.

Pumping water level 25 feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks**Section 9: Well Log****Geologic Source**

Unassigned

From	To	Description
0	4	TOPSOIL
4	24	CLAYBOUND GRAVEL
24	32	WET CLAYBOUND GRAVEL
32	36	DRY CLAYBOUND GRAVEL
36	37	CLEAN SAND & GRAVELS 30 GPM
37	44	COARSE SAND & FINE GRAVELS
44	46	LOTS OF WATER-NICE FINE GRAVEL-TEST 50 GPM 2FT DRAWDOWN
46	47	TIGHTER GRAVEL-20 GPM
47	49	PEA GRAVEL & COARSE-LOTS OF WATER
49	50	PEA & WHEAT & SOME LARGER GRAVELS LOTS OF WATER
50	57	COARSE GRAVEL-MOST PLACES TESTED 20 GPM
57	59	SOFT GREY SHALE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:**Company:** VAN DYKEN DRILLING INC**License No:** WWC-306**Date Completed:** 6/12/1982

Other Options

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Total Depth: 67
Static Water Level: 33
Water Temperature:

MONTANA WELL LOG REPORT**Other Options**

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground-Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

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[View scanned document \(8/1/2007 2:13:45 PM\)](#)
Site Name: BIG SKY WATER AND SEWER**GWIC Id: 236777** MEADOW VILLAGE NO. 4**Section 1: Well Owner****Owner Name**

BIG SKY WATER AND SEWER

Mailing Address

P.O. BOX 363

City

BIG SKY

State

MT

Zip Code

59716

Well Address

LITTLE COYOTE

City**State****Zip Code****Section 2: Location****Township**

06S

Range

03E

Section

36

Quarter Sections

NW¼ SW¼ NE¼

County

GALLATIN

Geocode**Latitude**

45.270837

Longitude

111.299848

Geomethod

TRS-SEC

Datum

NAD83

Altitude**Method****Datum****Date****Addition****Block****Lot****Section 3: Proposed Use of Water**

PUBLIC WATER SUPPLY (1)

Section 4: Type of Work

Drilling Method: CABLE TOOL

Section 5: Well Completion Date

Date well completed: Wednesday, December 20, 2006

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	28	20
0	56	16

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	36	16	0.375		WELDED	STEEL
46	56	14	0.375		WELDED	STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
36	46	14		.1	SCREEN-CONTINUOUS-STAINLESS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	28	CEMENT	
33	33	K PAKER	

Section 7: Well Test Data

Total Depth: 56

Static Water Level: 10.4

Water Temperature: 7.22

Pump Test *

Depth pump set for test 54 feet.

305 gpm pump rate with 21.7 feet of drawdown after 72 hours of pumping.

Time of recovery 72 hours.

Recovery water level 10.42 feet.

Pumping water level _ feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks

TOTAL COMPLETION 6/30/2007

Section 9: Well Log**Geologic Source**

Unassigned

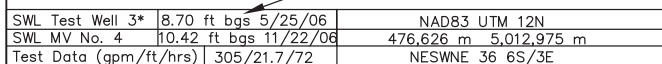
From	To	Description
0	2	TOPSOIL
2	13	BOULDERS AND CLAY
13	18	BOULDERS
18	26	MORE CLAY BOULDERS
26	30	OPEN CLAY AND ROCKS
30	34	CLAY AND SMALL GRAVEL
34	39	CLAY AND SAND
39	44	CLAY AND SAND BUT OPEN HOLE
44	47	GRAVEL AND WATER
47	56	SHALE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name: J MAHURIN**Company:** MAHURIN DRILLING**License No:** WWC-358**Date Completed:** 12/20/2006

Top of Casing (TOC):
6,215 ft msl (approx.)



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MONTANA WELL LOG REPORT**Other Options**

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Site Name: BIG SKY WATER AND SEWER**GWIC Id: 236778****MEADOW VILLAGE NO. 5****Section 1: Well Owner****Owner Name**

BIG SKY WATER AND SEWER

Mailing Address

P.O. BOX 160670

City

BIG SKY

State

MT

Zip Code

59716

Well Address

LITTLE COYOTE

City**State****Zip Code****Section 2: Location****Township**

06S

Range

03E

Section

36

Quarter Sections

NE¼ NW¼ SW¼

County

GALLATIN

Geocode**Latitude**

45.267197

Longitude

111.307642

Geomethod

TRS-SEC

Datum

NAD83

Altitude**Method****Datum****Date****Addition****Block****Lot****Section 3: Proposed Use of Water**

PUBLIC WATER SUPPLY (1)

Section 4: Type of Work

Drilling Method: CABLE TOOL

Section 5: Well Completion Date

Date well completed: Thursday, November 23, 2006

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	28	20
28	57	16

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	37	16	0.375		WELDED	STEEL
47	57	14	0.375		WELDED	STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
37	42	14		.070	SCREEN-CONTINUOUS-STAINLESS
42	47	14		.110	SCREEN-CONTINUOUS-STAINLESS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	28	CEMENT	
33	33	K PACKER	

Section 7: Well Test Data

Total Depth: 57

Static Water Level: 16.3

Water Temperature: 7.22

Pump Test *

Depth pump set for test 54 feet.

292 gpm pump rate with 20.2 feet of drawdown after 63 hours of pumping.

Time of recovery 72 hours.

Recovery water level 16.8 feet.

Pumping water level _ feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks**Section 9: Well Log****Geologic Source**

Unassigned

From	To	Description
0	1	TOPSOIL
1	5	CLAY LARGE ROCK
5	10	ROCK AND GRAY GRAVEL
10	15	GRAVEL AND SAND
15	33	GRAVEL AND SAND
33	46	MOSTLY SAND AND SOME GRAVEL
46	48	BOULDERS AND GRAVEL
49	50	SILTY SAND
50	57	DARK GRAY SHALE

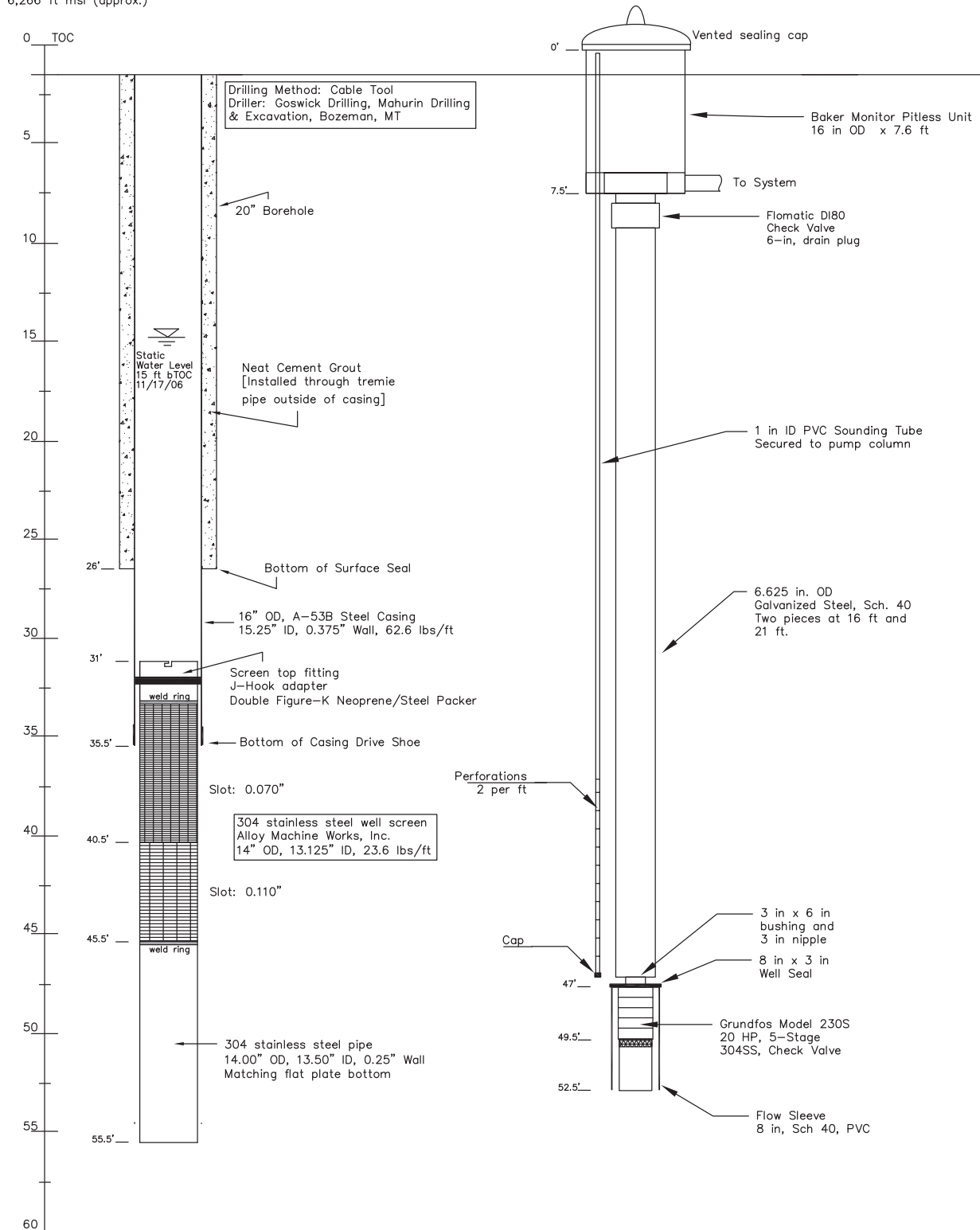
Driller Certification

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Name: J. MAHURIN**Company:** MAHURIN DRILLING**License No:** WWC-358**Date Completed:** 11/23/2006

Revised log reflects -3 ft elevation
change of grade at wellhead and 1.5 ft
stickup of pitless unit casing.

Top of Casing (TOC):
6,266 ft msl (approx.)



No horizontal scale

Depths are from top of
casing of pitless unit

*Test well 2 is located 63 ft west of Meadow
Village No. 5 (MV No. 5).

These measurements pre-date grade change.

SWL Test Well 2*	8.60 ft bgs 6/2/06	NAD83 UTM 12N
SWL MV No. 5	16.31 ft bgs 11/17/06	475,951 m 5,012,708 m
Test Data (gpm/ft/hrs)	292/20.2/63	NENSW 36 6S/3E

Meadow Village No. 5 As-Built Construction

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MONTANA WELL LOG REPORT**Other Options**

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Site Name: BIG SKY OF MONTANA * WELL #1**GWIC Id: 103499** HIDDEN VILLAGE NO. 1**Section 1: Well Owner****Owner Name**

BIG SKY OF MONTANA

Mailing Address

City	State	Zip Code
BOZEMAN	MT	59715

Section 2: Location

Township	Range	Section	Quarter Sections
06S	03E	35	SE¼ NW¼
County			Geocode
GALLATIN			
Latitude	Longitude	Geomethod	Datum
45.269927	111.324213	TRS-SEC	NAD83
Altitude	Method	Datum	Date
6410			
Addition	Block	Lot	

Section 3: Proposed Use of Water

MONITORING (1)

Section 4: Type of Work

Drilling Method: CABLE

Section 5: Well Completion Date

Date well completed: Monday, July 27, 1970

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	45	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	45	6				STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
34	44	6		1/4X2IN	SAW SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	0	DRILL CUTTINGS	

Section 7: Well Test Data

Total Depth: 45
 Static Water Level: 8
 Water Temperature:

Bailer Test *

45 gpm with _ feet of drawdown after 2 hours.
 Time of recovery _ hours.
 Recovery water level _ feet.
 Pumping water level 18 feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks**Section 9: Well Log****Geologic Source**

Unassigned

From	To	Description
0	3	SOILS
3	9	BUFF COLOR CLAY W/ BOULDERS EMBEDDED
9	22	BUFF COLOR CLAYBOUND GRAVELS & BOULDERS
22	29	CLAYBOUND MUSHY SANDS SOME GRAVELS
29	31	SILT SAND & GRAVELS SOME WATER
31	37	FINE SANDS RUST COLOR
37	38	SHALE LENSE
38	45	SANDSTONE WATER
45	45	COLORADO SHALE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:**Company:** VAN DYKEN DRILLING INC**License No:** WWC-1**Date Completed:** 7/27/1970

MONTANA WELL LOG REPORT**Other Options**

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Site Name: LONE MOUNTAIN SPRINGS * HIDDEN VILLAGE 2
GWIC Id: 103501 HIDDEN VILLAGE NO. 2

Section 1: Well Owner**Owner Name**

LONE MOUNTAIN SPRINGS

Mailing Address

City	State	Zip Code
BIG SKY	MT	59716

Section 2: Location

Township	Range	Section	Quarter Sections
06S	03E	35	SW¼ NW¼ SW¼
County			Geocode

GALLATIN

Latitude	Longitude	Geomethod	Datum
45.265377	111.330656	TRS-SEC	NAD83
Altitude	Method	Datum	Date
6498			

Addition	Block	Lot

Section 3: Proposed Use of Water

PUBLIC WATER SUPPLY (1)

Section 4: Type of Work

Drilling Method: AIR ROTARY

Section 5: Well Completion Date

Date well completed: Monday, June 16, 1986

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	665	7

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	500	6				STEEL
0	65.8	7	0.280			STEEL
500	665	4.5				PVC-SCHED 40

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
502	505	4.5			SLOTS
525	528	4.5			SLOTS
548	551	4.5			SLOTS
571	574	4.5			SLOTS
594	597	4.5			SLOTS
617	620	4.5			SLOTS
640	643	4.5			SLOTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	500	CEMENT	
0	0	RUBBER	

Section 7: Well Test Data

Total Depth: 665
 Static Water Level: -210
 Closed-in Pressure: 91 psi
 Water Temperature:

Pump Test *

Depth pump set for test _ feet.
 116 gpm pump rate with _ feet of drawdown after _27_ hours of pumping.
 Time of recovery _ hours.
 Recovery water level _ feet.
 Pumping water level _531_ feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks**Section 9: Well Log****Geologic Source**

Unassigned

From	To	Description
0	6	TOPSOIL
6	57	SAND AND GRAVEL
57	137	SHALE - BLACK TO GRAY - MODERATELY HARD - FISSILE OIL STAINED 99-137 FEET
137	140.5	SANDSTONE - GRAY - VERY FINE TO FINE GRAINED - WITH THIN OIL STAINED SHALE STRINGERS - WATER
140.5	143	SHALE - BLACK SOFT CLAYEY - OIL STAINED
143	146.5	SANDSTONE - GRAY VERY FINE TO FINE GRAINED
146.5	154	SHALE - DARK GRAY FISSILE
154	155	SANDSTONE - GRAY VERY FINE TO FINE GRAINED
155	160	SHALE - GRAY TO BLACK CLAYEY OIL STAINED
160	170.5	SANDSTONE - GRAY VERY FINE TO FINE GRAINED - HARD TIGHT - OIL STAINED BETWEEN 160 AND 166.5
170.5	174	SHALE AND SANDSTONE - ALTERNATING 0.25 INCH LAYERS - OIL STAINED
174	195.5	SHALE - DARK BROWN TO GRAY - OIL STAINED - FEW THIN SANDSTONE STRINGERS
195.5	197	SANDSTONE - DARK GRAY - VERY FINE TO FINE GRAINED - HARD TIGHT
197	199	SHALE - DARK BROWN TO GRAY - OIL STAINED
199	200.5	SANDSTONE - GRAY - VERY FINE TO FINE GRAINED - HARD TIGHT - OIL STAINED

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:**Company:** STINGER WELL DRILLING**License No:** WWC-325**Date Completed:** 6/16/1986

MONTANA WELL LOG REPORT**Other Options**

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Site Name: BIG SKY WATER AND SEWER DISTRICT - MEADOW VILLAGE - WELL 2
GWIC Id: 155405 **BLUE GROUSE WELL**

Section 1: Well Owner**Owner Name**

BIG SKY CO WATER & SEWER

Mailing Address

PO BOX 160670

City

BIG SKY

State

MT

Zip Code

59716

Section 2: Location

Township	Range	Section	Quarter Sections
06S	03E	36	SW¼ SW¼ NE¼
County			Geocode
GALLATIN			
Latitude	Longitude	Geomethod	Datum
45.2694	111.3	MAP	NAD27
Altitude	Method	Datum	Date

Addition

BLUE GROUSE HILLS

Section 3: Proposed Use of Water

PUBLIC WATER SUPPLY (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Friday, January 02, 1998

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	805	12
805	1250	8

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	800	8	0.250		THREADED	A53B STEEL
780	1170	6				A53B STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
1170	1250	8			OPEN HOLE

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	800	CEMENT	

Section 7: Well Test Data

Total Depth: 1170

Static Water Level: -265.65

Closed-in Pressure: 115 psi

Water Temperature:

Pump Test *

Depth pump set for test _ feet.

35 gpm pump rate with _ feet of drawdown after _72_ hours of pumping.

Time of recovery _1.25_ hours.

Recovery water level _0_ feet.

Pumping water level _737_ feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks

WELL DEEPENED FROM 960 FT TO 1250 FT IN 1998

Section 9: Well Log**Geologic Source**

300SDMS - SEDIMENTS (PALEOZOIC)

From	To	Description
0	26	GRAVEL WITH SAND
25	48	SAND & GRAVEL
48	50	SANDY CLAY
50	106.5	DARK SHALE WITH SILTSTONE STRINGERS
106.5	122	LIMESTONE & SANDSTONE STRINGERS
122	170	RED BLACK SHALE
170	246	RED/BROWN SILTSTONE & SANDSTONE
246	386	BLACK SHALE
386	395	GRAY SANDSTONE
396	405.5	BLACK SHALE
405.5	414	DARK GRAY/BLACK SANDSTONE
414	474	ANDESITE
474	481.5	LIGHT GRAY SANDSTONE
481.5	483	BLACK SHALE
483	524	GRAY SANDSTONE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:**Company:** POTTS DRILLING INC**License No:** WWC-512**Date Completed:** 1/2/1998**Site Name:** BIG SKY WATER AND SEWER DISTRICT - MEADOW VILLAGE - WELL 2**GWIC Id:** 155405**Additional Lithology Records**

From	To	Description
524	805	GRAY/DARK GRAY SHALE & SILTSTONE

805	812	BROWN/GRAY SANDSTONE
812	820	GRAY/WHITE SANDSTONE
820	822	BROWN/GRAY SANDSTONE
822	829	WHITE/GRAY SANDSTONE
829	836	SHAELY SILTSTONE
836	857	WHITE/GRAY SANDSTONE
857	861.5	RED SHALE
861.5	862.5	WHITE/GRAY SANDSTONE
862.5	878	SILTSTONE & SHALES
878	905	LIGHT GRAY/BROWN FISSILE SHALE
905	915	BLACK SHALE WITH INTERBEDDED GRAY
915	917	LIGHT GRAY LIMESTONE THINLY INBEDDED
917	929	FINE GRAINED BLACK/GRAY SHALE
929	935	BLACK SHALE WITH LENSES OF LIMESTONE
935	939	MOTTLED DARK GRAY SANDSTONE
939	955	GRAY SHALE
955	960	MOTTLED BROWN/GRAY SHALE
960	963	SHALE MUDSTONE MOTTLED BLUE/GREEN TO GRAY HARD
963	964	GRAY TO BLACK FINE GRAINED LIMESTONE
964	990	SHALE/MUDSTONE MOTTLED RED & GRAY WHT & BLK SANDST
990	1035	DARK GRAY LIMESTONE W/SOME RED SHALE
1035	1042	RED FINE GRAINED SHALE/MUDSTONE
1042	1046	RED TO BROWN CLAY
1046	1087	GRAY TO MAROON SILICIFIED MUDSTONE W/SOME LIMESTN
1087	1124	BLUE/GREEN TO RED SILICIFIED SHALE SLIGHTLY BROKEN
1124	1134	LIGHT GRAY FINE GRAINED STONE HARD
1134	1138	MAROON/RED SHALE/MUDSTONE
1138	1143	LIGTH GRAY FINE GRAINED STONE HARD SLIGHTLY BROKEN
1143	1172	MAROON/RED W/SOME GRAY SHALE MUDSTONE FINE GRAINED
1172	1186	BLACK WHITE GRAY BROWN SANDSTONE ROUNDED
1186	1223	BLACK/WHITE/GRAY/BROWN SANDSTONE
1223	1250	DARK GRAY TO GRAY QUARTZITE HARD

Site Name: LONE MOUNTAIN SPRINGS * HIDDEN VILLAGE 2		
GWIC Id: 103501		
Additional Lithology Records		
From	To	Description
200.5	227	SHALE - BLACK TO GRAYISH BROWN TO DARK GREENISH- GRAY. HARD EXCEPT FOR 203-208 WHICH IS SOFT AND CLAYEY - FISSILE - OIL STAINED
227	239	SANDSTONE - DARK GRAY FINE TO MEDIUM GRAINED - HARD TIGHT TO 237 - OIL STAINED
239	297	SHALE - DARK GRAY TO DARK GREENISH GRAY TO 252 FEET THEN DARK REDDISH BROWN TO 265 FEET THEN DARK GRAY TO BLACK. FISSILE - BECOMES A SANDY SHALE AT 270 FEET. OIL STAINED BETWEEN 281 AND 285 FEET.
297	302.5	SANDSTONE - REDDISH BROWN - VERY FINE TO FINE GRAINED - HARD - FRACTURED AT 299-302 FEET.
302.5	330	SHALE - DARK GREENISH GRAY TO DARK REDDISH BROWN
330	356	SANDSTONE - DARK GREENISH GRAY TO DARK REDDISH BROEN AND GRAY - VERY FINE TO FINE GRAINED - SHALE STRINGERS FROM 330 TO 337 FEET. SLIGHT OIL STAIN FROM 347 TO 350 FEET.
356	512	SHALE - DARK GREENISH GRAY - DARK BROWN BLACK AND DARK RED. HARD AND SOFT INTERVALS - THIN BENTONITE STRINGERS FROM 390 TO 469 FEET. SCATTERED THIN SANDSTONE STRINGERS THROUGHOUT ENTIRE INTERVAL
512	544	SANDSTONE - GRAY VERY FINE TO FINE GRAINED - SOFT SILTY - MAKING WATER
544	609	ANDESITE PORPHYRY - DARK GREENISH GRAY - HARD BUT FRACTURED OR JOINTED - MAKING WATER
609	648	SANDSTONE - GRAY VERY FINE TO FINE GRAINED - FRACTURED FROM 616-619 FEET. SLIGHT OIL STAIN AT 630-632 FEET. BECOMES SHALEY SANDSTONE AT 645-648 FEET. MAKING WATER
648	665	SHALE - SANDY FISSILE - MODERATELY HARD - TIGHT OIL STAINED FROM 653-665 FEET.

Other Options

[Plot this site on a topographic map](#)
[View scanned document \(2/21/2008 5:28:02 PM\)](#)

LONE MOOSE NO. 1

59715

Date _____

Lot

From	To	Description	Cont. Fed?
0	25	BENTONITE & CEMENT	

Name: Company: HAGGERTY DRILLING License No: WWC-353 Date Completed: 11/11/1998
--

Other Options

[Plot this site on a topographic map](#)
[View scanned document \(2/21/2008 5:28:55 PM\)](#)

LONE MOOSE NO. 2

Date Completed: 11/16/2000

Other Options

[Plot this site on a topographic map](#)
[View scanned document \(2/21/2008 5:27:34 PM\)](#)

LONE MOOSE TEST WELL

59715

Date _____

1

Unassigned

[illegible]

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:
Company: HAGGERTY DRILLING
License No: WWC-353
Date Completed: 7/23/1997

From	To	Diameter
0	220	6

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	48	6	0.250		WELDED	STEEL

From	To	Diameter	# of Openings	Size of Openings	Description
48	220	6			OPEN HOLE

From	To	Description	Cont. Fed?
0	20	BENTONITE	

MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground-Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned document \(2/21/2008 6:08:29 PM\)](#)

Site Name: RADICK JOHN *ASPEN GROVE

GWIC Id: 159764

ASPEN GROVE NO. 1 (TW)

Section 1: Well Owner

Owner Name

RADICK JOHN

Mailing Address

PO BOX 160011

City

BIG SKY

State

MT

Zip Code

59716

Section 2: Location

Township	Range	Section	Quarter Sections
06S	03E	34	SW¼ SW¼ SE¼
County			Geocode
GALLATIN			
Latitude	Longitude	Geomethod	Datum
45.261895	111.34081	TRS-SEC	NAD83
Altitude	Method	Datum	Date

Addition	Block	Lot

Section 3: Proposed Use of Water

There are no uses assigned to this well.

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Tuesday, July 30, 1996

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	20	10
20	180	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-1.7	56.5	6	0.250		WELDED	STEEL
40	180	4.5		160.00	WELDED	PVC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
60	80	4.5	20	.025X1IN	FACTORY SLOTTED
100	120	4.5	20	.025X1IN	FACTORY SLOTTED
160	180	4.5	20	.025X1IN	FACTORY SLOTTED

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	20	CEMENT GROUT	

Section 7: Well Test Data

Total Depth: 180

Static Water Level: 71

Water Temperature:

Pump Test *

Depth pump set for test _ feet.

45 gpm pump rate with _ feet of drawdown after 8.5 hours of pumping.

Time of recovery _ hours.

Recovery water level _ feet.

Pumping water level 100 feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	14	CLAYBOUND GRAVELS AND BOULDERS
14	21	CLAY AND BROKEN SHALE
21	31	SHALE CLAY SOFT BROWN
31	41	WEATHERED SANDSTONE GRAY SOFT WITH HARD SPOTS
41	43	BLACK SHALE SOFT
43	46	BROWN CLAY SOME SHALE
46	54	D. GRAY SHALE AND CLAY SOFT
54	72	SANDSTONE CLAY SOME SHALE VERY MIXED
72	84	BLACK SHALE CLAY 70-75 FT 5 GPM
84	91	SHALE LIGHT GRAY
91	95	STICKY CLAY AND SHALE
95	102	BLACK SHALE CLAY
102	104	SANDY SHALE HARDER D. GRAY 102-103 12 GPM
104	116	SHALES CLAY COLOR VARIES GRAY BROWN
116	121	GREENISH GRAY SHALE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:

Company: HAYES DRILLING

License No: WWC-361

Date Completed: 7/30/1996

Site Name: RADICK JOHN *ASPEN GROVE**GWIC Id: 159764****Additional Lithology Records**

From	To	Description
121	126	REDDISH BROWN SHALE HARD
126	134	SANDSTONE BLUIISH GRAY
134	135	BLACK SHALE
135	145	SANDSTONE GRAY HARD
145	180	SHALES AND CLAY VARIETY OF COLORS RED BROWN GRAY BLACK

MONTANA WELL LOG REPORT**Other Options**

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground-Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned document \(2/21/2008 6:07:26 PM\)](#)
Site Name: RODDICK SKIP * PW-2**GWIC Id: 169476 ASPEN GROVE NO. 2****Section 1: Well Owner****Owner Name**

RODDICK SKIP * PW-2

Mailing Address

PO BOX 160011

City

BIG SKY

State

MT

Zip Code

59716

Section 2: Location**Township**

06S

Range

03E

Section

34

Quarter Sections

SE¼

County

GALLATIN

Geocode**Latitude**

45.264592

Longitude

111.336936

Geomethod

TRS-SEC

Datum

NAD83

Altitude**Method****Datum****Date****Addition**

ASPEN GROVES

Block**Lot****Section 3: Proposed Use of Water**

DOMESTIC (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Thursday, June 04, 1998

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	23	10
23	640	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-3	57	6	0.250		WELDED	STEEL
14	640	4			WELDED	PVC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
240	640	4		.025X1.5IN	FACTORY SLOTTED

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	23	CEMENT	
20	640	10/20 GRAVEL	

Section 7: Well Test Data

Total Depth: 640

Static Water Level: 80

Water Temperature:

Pump Test *

Depth pump set for test 240 feet.

18 gpm pump rate with _ feet of drawdown after 192 hours of pumping.

Time of recovery 96 hours.

Recovery water level 80 feet.

Pumping water level 186 feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks**Section 9: Well Log****Geologic Source**

Unassigned

From	To	Description
0	8	CLAY BOUND GRAVEL
8	30	SOFT SHALE
30	340	SANDSTONE & SHALE
340	410	BLUE & GRAY SHALE
410	438	SANDSTONE
438	500	BLACK & GRAY SHALE
500	515	BLUE SHALE
515	640	BLACK & GRAY SHALE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:**Company:** BRIDGER DRILLING INC**License No:** WWC-425**Date Completed:** 6/4/1998

MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground-Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned document \(2/21/2008 6:07:38 PM\)](#)

Site Name: RODDICK SKIP * PW-3

GWIC Id: 169477

ASPEN GROVE NO. 3

Section 1: Well Owner

Owner Name

RODDICK SKIP * PW-3

Mailing Address

PO BOX 160011

City

BIG SKY

State

MT

Zip Code

59716

Section 2: Location

Township	Range	Section	Quarter Sections
06S	03E	34	SE¼
County	Geocode		
GALLATIN			
Latitude	Longitude	Geomethod	Datum
45.264592	111.336936	TRS-SEC	NAD83
Altitude	Method	Datum	Date

Addition

ASPEN GROVES

Block

Lot

Section 3: Proposed Use of Water

DOMESTIC (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Thursday, June 04, 1998

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	22	10
22	529	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-3	38	6	0.250		WELDED	STEEL
15	529	4				PVC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
372	384	4		50	SCREEN-CONTINUOUS-STAINLESS
511	516	4		50	SCREEN-CONTINUOUS-STAINLESS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	38	CEMENT	

Section 7: Well Test Data

Total Depth: 529

Static Water Level: 42

Water Temperature:

Pump Test *

Depth pump set for test _ feet.

_ 80_ gpm pump rate with _ feet of drawdown after _ 69_ hours of pumping.

Time of recovery _ 72_ hours.

Recovery water level _ 43_ feet.

Pumping water level _ 55_ feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	10	CLAY & ROCKS
10	35	SHALE
35	42	GRAY SANDSTONE
42	69	BLACK & GRAY SHALE
69	76	LIMESTONE
76	88	BLACK & GRAY SHALE
88	91	LIMESTONE
91	102	GREEN SHALE
102	109	GRAY SANDSTONE
109	138	SILTSTONE & SHALE
138	215	GRAY RED & BLACK SHALE
215	233	SANDSTONE & SILTSTONE
233	387	BLACK GRAY GREEN & BLUE SHALE
387	390	HARD GRAY SANDSTONE
390	392	SOFT GRAY SHALE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:

Company: BRIDGER DRILLING INC

License No: WWC-425

Date Completed: 6/4/1998

Site Name: RODDICK SKIP * PW-3**GWIC Id: 169477****Additional Lithology Records**

From	To	Description
392	394	HARD GRAY SANDSTONE
394	433	SOFT GRAY SHALE
433	441	GRAY SANDSTONE
441	512	GRAY SHALE
512	529	SANDSTONE

JAN 30 1974

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Developed after January 1, 1962

MOUNTAIN VILLAGE NO. 1

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Big Sky of Montana

For Administrator's Use

Address

File

Big Sky, Montana

Date well started Aug. 11, 1972

GW 1

completed Aug. 18, 1972

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Chain Drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

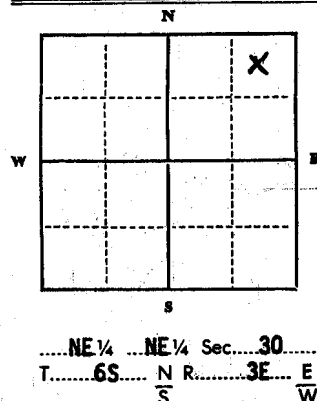
Industrial ☐ Drainage ☐ Other ☒* Garden/Lawn ☐

*Describe Recreation

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). _____

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8	2'	50			
	OD X WT	above ground				
	1230					



Static water level 10 ft.*
Pumping water level 4.2 ft.*
at 2.0 gallons per minute,
measured 16.8 after pumping
began.

*Measured from ground level.
Well developed by Pump
for 16 hours.

Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)
Grouted from 6' to 16'
1 1/2" of 8" stainless
steel screen, 0.60 slot
from 12 1/4' to 6 1/4'

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Driller's Address 2103 Bridger Drive

Bogert, Montana

LICENSE NO. 17

Top of Ground

(Elev. above sea level)

[illegible]

601

Show exact depth of bottom

m:108809 #

MOUNTAIN VILLAGE NO. 1

Montana Bureau of Mines and Geology
Ground-water Information Center Site Report
BIG SKY OF MONTANA * WELL #1

Plot this site on a topographic map

Location Information

GWIC Id: 108809	Source of Data: LOG
Location (TRS): 06S 03E 30 AA	Latitude (dd): 45.2892
County (MT): MADISON	Longitude (dd): -111.3951
DNRC Water Right: Not Reported	Geomethod: TRS-TWN
PWS Id:	Datum: 1927
Block: Not Reported	Addition: Not Reported
Lot: Not Reported	Type of Site: WELL
Certificate of Survey: Not Reported	

Well Construction and Performance Data (measurements are reported below land surface)

Total Depth (ft): 64.50	How Drilled: CHURN
Static Water Level (ft): 10.00	Driller's Name: JONES
Pumping Water Level (ft): 46.50	Driller License: WWC017
Yield (gpm): 240.00	Completion Date: Aug 18, 1972
Test Type: PUMP	Special Conditions: None Reported
Test Duration: 16.00	Is Well Flowing?: No
Drill Stem Setting (ft):	Shut-In Pressure:
Recovery Water Level (ft):	Geology/Aquifer: Not Reported
Recovery Time (hrs):	Well/Water Use: PUBLIC WATER SUPPLY

Hole Diameter Information

No hole diameter records were found.

Casing Information

From (ft)	To (ft)	Dia (in)	Description
-2.0	64.5	8.0	

Annular Seal Information

From (ft)	To (ft)	Description
6.0	16.0	GROUTED

Completion Information

From (ft)	To (ft)	Dia (in)	Description
49.5	64.5	8.0	.04 SLOT SCREEN

Lithology Information

From (ft)	To (ft)	Description
0.0	20.0	CLAY W/ GRAVEL & ROCK
20.0	32.0	TIGHT CLAY & FINE GRAVEL
32.0	34.0	FINE GRAVEL IN CLAY LOOSE
34.0	50.0	CLAYBOUND GRAVEL
50.0	65.0	GRAVEL IN CLAY LOOSE
65.0	78.0	SILTY SAND (LIKE QUICKSAND)
78.0	80.0	GRAVEL IN CLAY TIGHT

These data represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted. Note: non-reported casing, completion, and lithologic records may exist in paper files at GWIC.

JAN 1971

... 1997

MOUNTAIN VILLAGE NO. 2

Top of Ground (Elev. above sea level)

[illegible]

60' Show exact depth of bottom

For Administrator's Use

File

1

100

6

(Dug, driven, bored or drilled)

(Churn drill, rotary or other)

☐ Stock ☐ Irrigation ☐

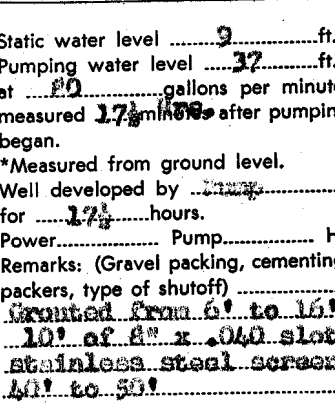
Other ☒* Garden/Lawn ☐

.....

_____, drainage or other. Explain, _____
 _____ on or other data (i.e. Lot, Block _____

.....

PERFORATIONS		
Kind Size	From (Feet)	To (Feet)
100 100-200	200 400-600	600 1000-2000



PLACE OF USE, IF POSSIBLE.
40 ACRES.

.....

Drive.....

LICENSE NO...17

DRILLER'S LOG / 176577

MOUNTAIN VILLAGE NO. 2

Montana Bureau of Mines and Geology
Ground-water Information Center Site Report
BIG SKY OF MONTANA * WELL #2

Plot this site on a topographic map

Location Information

GWIC Id: 108810	Source of Data: LOG
Location (TRS): 06S 03E 30 AA	Latitude (dd): 45.2892
County (MT): MADISON	Longitude (dd): -111.3951
DNRC Water Right: Not Reported	Geomethod: TRS-TWN
PWS Id:	Datum: 1927
Block: Not Reported	Addition: Not Reported
Lot: Not Reported	Type of Site: WELL
Certificate of Survey: Not Reported	

Well Construction and Performance Data (measurements are reported below land surface)

Total Depth (ft): 50.00	How Drilled: CHURN
Static Water Level (ft): 9.00	Driller's Name: JONES
Pumping Water Level (ft): 37.00	Driller License: WWC017
Yield (gpm): 80.00	Completion Date: Aug 22, 1972
Test Type: PUMP	Special Conditions: None Reported
Test Duration: 17.50	Is Well Flowing?: No
Drill Stem Setting (ft):	Shut-In Pressure:
Recovery Water Level (ft):	Geology/Aquifer: Not Reported
Recovery Time (hrs):	Well/Water Use: PUBLIC WATER SUPPLY

Hole Diameter Information

No hole diameter records were found.

Casing Information

From (ft)	To (ft)	Dia (in)	Description
-2.0	50.0	8.0	

Annular Seal Information

From (ft)	To (ft)	Description
6.0	16.0	GROUTED

Completion Information

From (ft)	To (ft)	Dia (in)	Description
40.0	50.0	8.0	.04 SLOT SCREEN

Lithology Information

From (ft)	To (ft)	Description
0.0	16.0	GRAVEL & ROCKS
16.0	17.0	GRAVEL
17.0	40.0	GRAVEL INCLAY TIGHT
40.0	50.0	GRAVEL IN CLAY LOOSE
50.0	55.0	YELLOW CLAY
55.0	56.0	GREY CLAY
56.0	60.0	SHALE

These data represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted. Note: non-reported casing, completion, and lithologic records may exist in paper files at GWIC.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Big Sky of Montana
Address Big Sky, Montana
Date well started Aug. 25, 1972 GW 1
completed Aug. 29, 1972

For Administrator's Use

File

Type of well Drilled
(Dug, driven, bored or drilled)

Equipment used Churn Drill
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

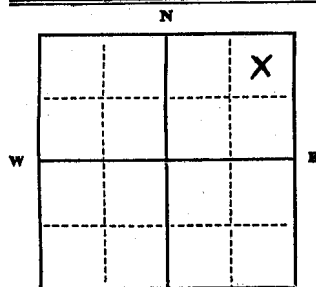
Industrial ☐ Drainage ☐ Other ☒ Garden/Lawn ☐

*Describe Recreation

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	5/8" OD x .250	2' above ground	50			



NE 1/4 NE 1/4 Sec. 30

T. 6S N R. 3E W

Static water level 10 ft.*
Pumping water level 16 ft.*
at 180 gallons per minute,
measured 39 minutes after pumping began.

*Measured from ground level.

Well developed by Pump
for 39 hours.

Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Grouted from 6' to 16'
15' of 8" x .040 slot
stainless steel screen
from 18' to 63'

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Milt E Jones

Driller's Address 2103 Bridger Drive

Dorsey, Montana

LICENSE NO. 17

RECEIVED

JAN 30 1974

Montana Bureau of Mines and Geology

057 6S 3E 30 AA
Madison
County Billings

DRILLER'S LOG 126576

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

MOUNTAIN VILLAGE NO. 3

Top of Ground

(Elev. above sea level)

From (Feet)	To (Feet)	
0	15	Top Soil & Clay bound Gravel
15	17	Gravel
17	32	Clay bound Gravel
32	37	Mostly Clay
37	40	Fine Sand
40	50	Gravel with Clay
50	55	Clay
55	78	Shale

78' Show exact depth of bottom

M:108811 #3

MOUNTAIN VILLAGE NO. 3

Montana Bureau of Mines and Geology
Ground-water Information Center Site Report
BIG SKY OF MONTANA * WELL #3

Plot this site on a topographic map

Location Information

GWIC Id: 108811	Source of Data: LOG
Location (TRS): 06S 03E 30 AA	Latitude (dd): 45.2892
County (MT): MADISON	Longitude (dd): -111.3951
DNRC Water Right: Not Reported	Geomethod: TRS-TWN
PWS Id:	Datum: 1927
Block: Not Reported	Addition: Not Reported
Lot: Not Reported	Type of Site: WELL
Certificate of Survey: Not Reported	

Well Construction and Performance Data (measurements are reported below land surface)

Total Depth (ft): 63.00	How Drilled: CHURN
Static Water Level (ft): 10.00	Driller's Name: JONES
Pumping Water Level (ft): 46.00	Driller License: WWC017
Yield (gpm): 180.00	Completion Date: Aug 29, 1972
Test Type: PUMP	Special Conditions: None Reported
Test Duration: 39.00	Is Well Flowing?: No
Drill Stem Setting (ft):	Shut-In Pressure:
Recovery Water Level (ft):	Geology/Aquifer: Not Reported
Recovery Time (hrs):	Well/Water Use: PUBLIC WATER SUPPLY

Hole Diameter Information

No hole diameter records were found.

Casing Information

From (ft)	To (ft)	Dia (in)	Description
-2.0	63.0	8.0	

Annular Seal Information

From (ft)	To (ft)	Description
6.0	16.0	GROUTED

Completion Information

From (ft)	To (ft)	Dia (in)	Description
48.0	63.0	8.0	.04 SLOT SCREEN

Lithology Information

From (ft)	To (ft)	Description
0.0	15.0	TOPSOIL & CLAYBOUND GRAVEL
15.0	17.0	GRAVEL
17.0	32.0	CLAYBOUND GRAVEL
32.0	37.0	MOSTLY CLAY
37.0	40.0	FINE SAND
40.0	50.0	GRAVEL W/ CLAY
50.0	55.0	CLAY
55.0	78.0	SHALE

These data represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted. Note: non-reported casing, completion, and lithologic records may exist in paper files at GWIC.

MONTANA WELL LOG REPORT**Other Options**

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground-Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned document \(2/21/2008 5:57:53 PM\)](#)
Site Name: LONE MOUNTAIN SPRINGS**GWIC Id: 103496****MOUNTAIN VILLAGE NO. 4****Section 1: Well Owner****Owner Name**

LONE MOUNTAIN SPRINGS

Mailing Address

PO BOX 1

City

BIG SKY

State

MT

Zip Code

59716

Section 2: Location**Township**

06S

Range

03E

Section

30

Quarter Sections

NE¼

County

MADISON

Geocode**Latitude**

45.286825

Longitude

111.398381

Geomethod

TRS-SEC

Datum

NAD83

Altitude**Method****Datum****Date****Addition**

MOUNTAIN VILLAGE

Block**Lot****Section 3: Proposed Use of Water**

PUBLIC WATER SUPPLY (1)

Section 4: Type of Work

Drilling Method: FORWARD ROTARY

Section 5: Well Completion Date

Date well completed: Friday, November 16, 1984

Section 6: Well Construction Details**Borehole dimensions**

From	To	Diameter
0	400	6

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	78	8				STEEL
20	400	6				PVC

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
200	400	6			DRILLED HOLES

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	20	CEMENT	
0	0	DRILL CUTTINGS	

Screened Intervals from Morrison-Maierle (1986)

141-146

211-216

281-286

392-397

384-389 ft

Section 7: Well Test Data

Total Depth: 400

Static Water Level: 40

Water Temperature:

Pump Test *

Depth pump set for test _ feet.

_ 110 gpm pump rate with _ feet of drawdown after _ 24 hours of pumping.

Time of recovery _ hours.

Recovery water level _ feet.

Pumping water level _ 286 feet.

* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

Section 8: Remarks**Section 9: Well Log****Geologic Source**

Unassigned

From	To	Description
0	1	TOPSOIL
1	24	LOOSE CLAYBOUND GRAVEL SOME COARSE-WET
24	58	CLAYBOUND GRAVEL
58	87	CLAY & CHIPPED ROCK
87	90	SOFT SHALE
90	104	MED HARD SHALE
104	145	HARD SHALE HARD SHALE
145	149	SANDSTONE GREY & BROWN-WATER
149	151	GREY SHALE-SOFTER
151	178	HARD GREY SHALE
178	188	SANDSTONE
188	220	BLACK SHALE-HARD
220	400	GRANITE

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:**Company:** VAN DYKEN DRILLING INC**License No:** WWC-380**Date Completed:** 11/16/1984

WELL LOG REPORT

File No. _____

State law requires that the Bureau's copy be filed by the water well driller within 60 days after completion of the well.

<p>1. WELL OWNER <u>Big Sky</u> #1 Name <u>Cascade Subdivision</u></p> <p>2. CURRENT MAILING ADDRESS _____</p> <p>3. WELL LOCATION <u>WELL #5</u> Township <u>6</u> N Range <u>3</u> E W County <u>Gallatin</u> Gov't Lot _____ or Lot _____ Block _____ Subdivision Name _____ Tract Number _____</p> <p>4. PROPOSED USE: Domestic <input checked="" type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Other specify _____</p> <p>5. TYPE OF WORK: New well <input checked="" type="checkbox"/> Method Dug <input type="checkbox"/> Bored <input type="checkbox"/> Deepened <input type="checkbox"/> Cable <input type="checkbox"/> Driven <input type="checkbox"/> Reconditioned <input type="checkbox"/> Rotary <input checked="" type="checkbox"/> Jetted <input type="checkbox"/></p> <p>6. DIMENSIONS: Diameter of Hole Dia. <u>12</u> in. from <u>0</u> ft. to <u>207</u> ft. Dia. _____ in. from _____ ft. to _____ ft. Dia. _____ in. from _____ ft. to _____ ft.</p> <p>7. CONSTRUCTION DETAILS: Casing Steel Dia. <u>8</u> from <u>12</u> ft. to <u>180</u> ft. Threaded Welded <input checked="" type="checkbox"/> Dia. _____ from _____ ft. to _____ ft. Type <u>A53B</u> Wall Thickness <u>.322</u> Casing Plastic Dia. _____ from _____ ft. to _____ ft. Weight _____ Dia. _____ from _____ ft. to _____ ft. PERFORATIONS: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Type of perforator used _____ Size of perforations _____ in. by _____ in. _____ perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ ft. SCREENS: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Manufacturer's Name _____ Type _____ Model No. _____ Dia. _____ Slot size _____ from _____ ft. to _____ ft. Dia. _____ Slot size _____ from _____ ft. to _____ ft. GRAVEL PACKED: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Size of gravel _____ Gravel placed from _____ ft. to _____ ft. GROUTED: To what depth? <u>180</u> ft. Material used in grouting <u>Cement slake R 180' to surface</u></p> <p>8. WELL HEAD COMPLETION: Pitless Adapter <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>9. PUMP (if installed) Manufacturer's name _____ Type _____ Model No. _____ HP _____</p> <p>10. WELL TEST DATA The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing. All wells under 100 gpm must be tested for a minimum of one hour and provide the following information: a) Air _____ Pump <input checked="" type="checkbox"/> Bailor _____ b) Static water level immediately before testing _____ ft. If flowing: closed in pressure _____ psi. _____ gpm. Flow controlled by: _____ valve, _____ reducers, _____ other, (specify) _____ c) Depth at which pump is set for test <u>168 + pump</u> d) The pumping rate: <u>200</u> gpm. e) Pumping water level <u>180</u> ft. at <u>72</u> hrs. after pumping began.</p>	<p>f) Duration of test: Pumping time <u>72</u> hrs. g) Recovery time <u>N/A</u> hrs. h) Recovery water level <u>N/A</u> ft. at _____ hrs. after pumping stopped. Wells intended to yield 100 gpm or more shall be tested for a period of 8 hours or more. The test shall follow the development of the well, and shall be conducted continuously at a constant discharge at least as great as the intended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquifer Test Data" form. NOTE: All wells shall be equipped with an access port 1/2 inch minimum or a pressure gauge that will indicate the shut-in pressure of a flowing well. Removable caps are acceptable as access ports.</p> <p>11. WAS WELL PLUGGED OR ABANDONED? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, how? _____</p> <p>12. WELL LOG Depth (ft.) From To Formation <u>0</u> <u>80</u> <u>Basal Sandstone</u> <u>80</u> <u>92</u> <u>Sandstone</u> <u>92</u> <u>170</u> <u>Hard Shale</u> <u>170</u> <u>207</u> <u>Hard Sandstone</u> <u>207</u> <u>212</u> <u>Soft Sticky Clay</u> <u>< 100 gpm before grouting</u> <u>200 gpm after grouting</u></p> <p>13. DATE COMPLETED <u>10-4-93</u></p> <p>14. DRILLER/CONTRACTOR'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. Date <u>8-29-94</u> Name <u>Kenneth Haggerty Drilling Inc.</u> Firm Name Address <u>140 Stucky Rd. Bozeman</u> Signature <u>Kenneth Haggerty</u> License No. <u>253</u></p>
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MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
1520 EAST SIXTH AVENUE HELENA, MONTANA 59620-2301 444-6610

DNRC

*well not completed by Haggerty Drilling
beyond info on this form*

DEPARTMENT COPY

DRILLER: Please give this copy to the well owner to complete reverse side.
OWNER: Complete reverse side and send to DNRC when the well is completed and the water has been used beneficially for the intended purpose.

WELL LOG REPORT

File No. _____

State law requires that the Bureau's copy be filed by the water well driller within 60 days after completion of the well.

<p>1. WELL OWNER <u>Big Sky</u> #1 Name <u>Cascade Subdivision</u></p> <p>2. CURRENT MAILING ADDRESS _____</p> <p>3. WELL LOCATION <u>WELL #5</u> Township <u>6</u> N Range <u>3</u> E W County <u>Gallatin</u> Gov't Lot _____ or Lot _____ Block _____ Subdivision Name _____ Tract Number _____</p> <p>4. PROPOSED USE: Domestic <input checked="" type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Other specify _____</p> <p>5. TYPE OF WORK: New well <input checked="" type="checkbox"/> Method Dug <input type="checkbox"/> Bored <input type="checkbox"/> Deepened <input type="checkbox"/> Cable <input type="checkbox"/> Driven <input type="checkbox"/> Reconditioned <input type="checkbox"/> Rotary <input checked="" type="checkbox"/> Jetted <input type="checkbox"/></p> <p>6. DIMENSIONS: Diameter of Hole Dia. <u>12</u> in. from <u>0</u> ft. to <u>207</u> ft. Dia. _____ in. from _____ ft. to _____ ft. Dia. _____ in. from _____ ft. to _____ ft.</p> <p>7. CONSTRUCTION DETAILS: Casing Steel Dia. <u>8</u> from <u>12</u> ft. to <u>180</u> ft. Threaded Welded <input checked="" type="checkbox"/> Dia. _____ from _____ ft. to _____ ft. Type <u>A53B</u> Wall Thickness <u>.322</u> Casing Plastic Dia. _____ from _____ ft. to _____ ft. Weight _____ Dia. _____ from _____ ft. to _____ ft. PERFORATIONS: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Type of perforator used _____ Size of perforations _____ in. by _____ in. _____ perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ ft. SCREENS: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Manufacturer's Name _____ Type _____ Model No. _____ Dia. _____ Slot size _____ from _____ ft. to _____ ft. Dia. _____ Slot size _____ from _____ ft. to _____ ft. GRAVEL PACKED: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Size of gravel _____ Gravel placed from _____ ft. to _____ ft. GROUTED: To what depth? <u>180</u> ft. Material used in grouting <u>Cement slake R 180' to surface</u></p> <p>8. WELL HEAD COMPLETION: Pitless Adapter <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>9. PUMP (if installed) Manufacturer's name _____ Type _____ Model No. _____ HP _____</p> <p>10. WELL TEST DATA The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing. All wells under 100 gpm must be tested for a minimum of one hour and provide the following information: a) Air _____ Pump <input checked="" type="checkbox"/> Bailor _____ b) Static water level immediately before testing _____ ft. If flowing: closed in pressure _____ psi. _____ gpm. Flow controlled by: _____ valve, _____ reducers, _____ other, (specify) _____ c) Depth at which pump is set for test <u>168 + pump</u> d) The pumping rate: <u>200</u> gpm. e) Pumping water level <u>180</u> ft. at <u>72</u> hrs. after pumping began.</p>	<p>f) Duration of test: Pumping time <u>72</u> hrs. g) Recovery time <u>N/A</u> hrs. h) Recovery water level <u>N/A</u> ft. at _____ hrs. after pumping stopped. Wells intended to yield 100 gpm or more shall be tested for a period of 8 hours or more. The test shall follow the development of the well, and shall be conducted continuously at a constant discharge at least as great as the intended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquifer Test Data" form. NOTE: All wells shall be equipped with an access port 1/2 inch minimum or a pressure gauge that will indicate the shut-in pressure of a flowing well. Removable caps are acceptable as access ports.</p> <p>11. WAS WELL PLUGGED OR ABANDONED? Yes <input checked="" type="checkbox"/> No _____ If yes, how? _____</p> <p>12. WELL LOG Depth (ft.) From To Formation <u>0</u> <u>80</u> <u>Bedrock</u> <u>80</u> <u>92</u> <u>Sandstone</u> <u>92</u> <u>170</u> <u>Hard Shale</u> <u>125 gpm</u> <u>170</u> <u>207</u> <u>Hard Sandstone</u> <u>200 gpm</u> <u>207</u> <u>212</u> <u>Soft Sticky Clay</u> <u>400 gpm</u> <u><400 gpm before grouting</u> <u>200 gpm after grouting</u></p> <p>13. DATE COMPLETED <u>10-4-93</u></p> <p>14. DRILLER/CONTRACTOR'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. Date <u>8-29-94</u> Name <u>Kenneth Haggerty Drilling Inc.</u> Firm Name _____ Address <u>140 Stucky Rd. Bozeman</u> Signature <u>Kenneth Haggerty</u> License No. <u>253</u></p>
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MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
1520 EAST SIXTH AVENUE HELENA, MONTANA 59620-2301 444-6610

DNRC

*well not completed by Haggerty Drilling
bored info on this form*

DEPARTMENT COPY

DRILLER: Please give this copy to the well owner to complete reverse side.
OWNER: Complete reverse side and send to DNRC when the well is completed and the water has been used beneficially for the intended purpose.

Form No. 603 (R 7-89)

WELL LOG REPORT

File No. 94-597-10

State law requires that this Bureau's copy be filed by the water well driller within 60 days after completion of the well.

<p>1. WELL OWNER Name <u>BOYNE USA INC.</u></p> <p>2. CURRENT MAILING ADDRESS <u>P.O. BOX 160001</u> <u>BIGSKY, MONTANA 59716</u></p> <p>3. WELL LOCATION <u>WELL #6</u> SE <u>1/4</u> NE <u>1/4</u> SW <u>1/4</u> Section <u>19</u> Township <u>6</u> N Range <u>3</u> E County <u>GALLATIN</u> Gov't Lot _____ or Lot _____ Block _____ Subdivision Name _____ Tract Number _____</p> <p>4. PROPOSED USE: Domestic <input type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Other <input checked="" type="checkbox"/> specify <u>PUBLIC SUPPLY WELL</u></p> <p>5. TYPE OF WORK: New well <input checked="" type="checkbox"/> Method: Dug <input type="checkbox"/> Bored <input type="checkbox"/> Deepened <input type="checkbox"/> Cable <input type="checkbox"/> Driven <input type="checkbox"/> Reconditioned <input type="checkbox"/> Rotary <input checked="" type="checkbox"/> Jetted <input type="checkbox"/></p> <p>6. DIMENSIONS: Diameter of Hole Dia. <u>12</u> in. from <u>0</u> ft. to <u>200</u> ft. Dia. _____ in. from _____ ft. to _____ ft. Dia. _____ in. from _____ ft. to _____ ft.</p> <p>7. CONSTRUCTION DETAILS: Casing: Steel Dia. <u>8 5/8</u> from <u>±2</u> ft. to <u>200</u> ft. Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Dia. _____ ft. to _____ ft. Type <u>A53</u> Wall Thickness <u>.322</u> Casing: Plastic Dia. _____ from _____ ft. to _____ ft. Weight _____ from _____ ft. to _____ ft. PERFORATIONS: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Type of perforator used <u>HOLTE</u> Size of perforations <u>3/16</u> in. by <u>1</u> in. <u>1920</u> HOLES perforations from <u>160</u> ft. to <u>200</u> ft. _____ perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ ft.</p> <p>SCREENS: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Manufacturer's Name _____ Type _____ Model No. _____ Dia. _____ Slot size _____ from _____ ft. to _____ ft. Dia. _____ Slot size _____ from _____ ft. to _____ ft.</p> <p>GRAVEL PACKED: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Size of gravel _____ Gravel placed from _____ ft. to _____ ft.</p> <p>GROUTED: To what depth? <u>60</u> ft. Material used in grouting <u>NEAT CEMENT</u></p> <p>8. WELL HEAD COMPLETION: Pitless Adapter <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>9. PUMP (if installed) Manufacturer's name _____ Type _____ Model No. _____ HP. _____</p> <p>10. WELL TEST DATA The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing. All wells under 100 gpm must be tested for a minimum of one hour and provide the following information: a) Air <input checked="" type="checkbox"/> Pump <input checked="" type="checkbox"/> Baller <input type="checkbox"/> b) Static water level immediately before testing <u>14</u> ft. If flowing: closed-in pressure _____ psi. _____ gpm. Flow controlled by: _____ valve, _____ reducers, _____ other, (specify) _____ c) Depth at which pump is set for test <u>191</u> d) The pumping rate: <u>490</u> gpm. e) Pumping water level <u>62</u> ft. at <u>24</u> hrs. after pumping began.</p>	<p>f) Duration of test: Pumping time <u>24</u> hrs. g) Recovery time <u>3</u> hrs. h) Recovery water level <u>41.4</u> ft. at <u>3</u> hrs. after pumping stopped. Wells intended to yield 100 gpm or more shall be tested for a period of 8 hours or more. The test shall follow the development of the well, and shall be conducted continuously at a constant discharge at least as great as the intended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquifer Test Data" form. NOTE: All wells shall be equipped with an access port 1/2 inch minimum or a pressure gauge that will indicate the shut-in pressure of a flowing well. Removable caps are acceptable as access ports.</p> <p>11. WAS WELL PLUGGED OR ABANDONED? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, how? _____</p> <p>12. WELL LOG</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>Formation</th> </tr> </thead> <tbody> <tr><td>TOP</td><td>5</td><td>ROCK-FILL DIRT</td></tr> <tr><td>5</td><td>20</td><td>SHATTER ROCK-SAND STONE-LIME</td></tr> <tr><td></td><td></td><td>STONE BLACK</td></tr> <tr><td>20</td><td>40</td><td>SILT FINE SAND-SANDY CLAY-SHATTER</td></tr> <tr><td></td><td></td><td>ROCK-SAND STONE-BLACK SHALE</td></tr> <tr><td>40</td><td>43</td><td>SAND STONE-LIGHT GREEN SHALE</td></tr> <tr><td>43</td><td>45</td><td>STREAKS SANDY CLAY-SAND STONE-LIGHT GREEN SHALE</td></tr> <tr><td>45</td><td>47</td><td>SAND STONE-LIGHT GREEN SHALE</td></tr> <tr><td>47</td><td>48</td><td>TRACES SANDY CLAY-SAND STONE-GREEN & BLACK SHALE</td></tr> <tr><td>48</td><td>60</td><td>HARD-SAND STONE-GREEN & BLACK SHALE</td></tr> <tr><td>60</td><td>65</td><td>SAND STONE-BLACK & GRAY SHALE</td></tr> <tr><td>65</td><td>110</td><td>BLACK SAND STONE-GRAY SHALE</td></tr> <tr><td>110</td><td>115</td><td>GRAY TRACE CLAY-SAND STONE-BLACK & GRAY SHALE</td></tr> <tr><td>115</td><td>119</td><td>SAND STONE-BLACK & GRAY SHALE</td></tr> <tr><td>119</td><td>121</td><td>GRAY SAND STONE-VERY HARD</td></tr> <tr><td>121</td><td>122</td><td>ROCK-GREEN & GRAY SAND STONE</td></tr> <tr><td>122</td><td>125</td><td>ROCK-PINK & GRAY SAND STONE-HARD</td></tr> <tr><td>125</td><td>130</td><td>ROCK-BLACK & GREEN SAND STONE</td></tr> <tr><td>130</td><td>145</td><td>GRAY ROCK-GREEN & BLACK SAND STONE</td></tr> <tr><td>145</td><td>151</td><td>BLACK & GRAY SAND STONE-BLACK TRACE SHALE</td></tr> <tr><td>151</td><td>165</td><td>BLACK SHALE</td></tr> <tr><td>165</td><td>167</td><td>BLACK SHALE</td></tr> <tr><td>167</td><td>178</td><td>TRACE OF QUARTZ-BLACK SHALE</td></tr> <tr><td>178</td><td>179</td><td>GRAY SHALE</td></tr> <tr><td>179</td><td>180</td><td>TRACE QUARTZ-BLACK SHALE</td></tr> <tr><td>180</td><td>200</td><td>BLACK SHALE</td></tr> </tbody> </table> <p style="text-align: center;">ATTACH ADDITIONAL SHEETS IF NECESSARY</p> <p>13. DATE COMPLETED <u>7-27-96</u></p> <p>14. DRILLER/CONTRACTOR'S CERTIFICATION This well was drilled under my jurisdiction and this report is true to the best of my knowledge. Date <u>7-30-96</u> RED TIGER DRILLING Firm Name BOX 659 MANHATTAN, MONTANA 59741 Address <i>Quinn L. Hander</i> 386 Signature License No.</p>	From	To	Formation	TOP	5	ROCK-FILL DIRT	5	20	SHATTER ROCK-SAND STONE-LIME			STONE BLACK	20	40	SILT FINE SAND-SANDY CLAY-SHATTER			ROCK-SAND STONE-BLACK SHALE	40	43	SAND STONE-LIGHT GREEN SHALE	43	45	STREAKS SANDY CLAY-SAND STONE-LIGHT GREEN SHALE	45	47	SAND STONE-LIGHT GREEN SHALE	47	48	TRACES SANDY CLAY-SAND STONE-GREEN & BLACK SHALE	48	60	HARD-SAND STONE-GREEN & BLACK SHALE	60	65	SAND STONE-BLACK & GRAY SHALE	65	110	BLACK SAND STONE-GRAY SHALE	110	115	GRAY TRACE CLAY-SAND STONE-BLACK & GRAY SHALE	115	119	SAND STONE-BLACK & GRAY SHALE	119	121	GRAY SAND STONE-VERY HARD	121	122	ROCK-GREEN & GRAY SAND STONE	122	125	ROCK-PINK & GRAY SAND STONE-HARD	125	130	ROCK-BLACK & GREEN SAND STONE	130	145	GRAY ROCK-GREEN & BLACK SAND STONE	145	151	BLACK & GRAY SAND STONE-BLACK TRACE SHALE	151	165	BLACK SHALE	165	167	BLACK SHALE	167	178	TRACE OF QUARTZ-BLACK SHALE	178	179	GRAY SHALE	179	180	TRACE QUARTZ-BLACK SHALE	180	200	BLACK SHALE
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		STONE BLACK																																																																																
20	40	SILT FINE SAND-SANDY CLAY-SHATTER																																																																																
		ROCK-SAND STONE-BLACK SHALE																																																																																
40	43	SAND STONE-LIGHT GREEN SHALE																																																																																
43	45	STREAKS SANDY CLAY-SAND STONE-LIGHT GREEN SHALE																																																																																
45	47	SAND STONE-LIGHT GREEN SHALE																																																																																
47	48	TRACES SANDY CLAY-SAND STONE-GREEN & BLACK SHALE																																																																																
48	60	HARD-SAND STONE-GREEN & BLACK SHALE																																																																																
60	65	SAND STONE-BLACK & GRAY SHALE																																																																																
65	110	BLACK SAND STONE-GRAY SHALE																																																																																
110	115	GRAY TRACE CLAY-SAND STONE-BLACK & GRAY SHALE																																																																																
115	119	SAND STONE-BLACK & GRAY SHALE																																																																																
119	121	GRAY SAND STONE-VERY HARD																																																																																
121	122	ROCK-GREEN & GRAY SAND STONE																																																																																
122	125	ROCK-PINK & GRAY SAND STONE-HARD																																																																																
125	130	ROCK-BLACK & GREEN SAND STONE																																																																																
130	145	GRAY ROCK-GREEN & BLACK SAND STONE																																																																																
145	151	BLACK & GRAY SAND STONE-BLACK TRACE SHALE																																																																																
151	165	BLACK SHALE																																																																																
165	167	BLACK SHALE																																																																																
167	178	TRACE OF QUARTZ-BLACK SHALE																																																																																
178	179	GRAY SHALE																																																																																
179	180	TRACE QUARTZ-BLACK SHALE																																																																																
180	200	BLACK SHALE																																																																																

MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
1520 EAST SIXTH AVENUE HELENA, MONTANA 59620-2301 444-6610**DNRC**

DEPARTMENT COPY

DRILLER: Please give this copy to the well owner to complete reverse side.
OWNER: Complete reverse side and send to DNRC when the well is completed and the water has been used beneficially for the intended purpose.

MONTANA WELL LOG REPORT

Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground-Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Plot this site on a topographic map](#)
[View scanned document \(2/21/2008 6:03:21 PM\)](#)

Site Name: BIG SKY WATER AND SEWER DISTRICT

GWIC Id: 205931

MOUNTAIN VILLAGE NO. 7

Section 1: Well Owner

Owner Name

BIG SKY WATER AND SEWER DISTRICT

Mailing Address

PO BOX 161097

City

BIG SKY

State

MT

Zip Code

59716

Section 2: Location

Township	Range	Section	Quarter Sections
06S	03E	30	NW¼ NW¼ NE¼ NE¼
County			Geocode

MADISON

Latitude

45.290145

Longitude

111.397756

Geomethod

TRS-SEC

Datum

NAD83

Altitude

Method

Datum

Date

Addition

MOUNTAIN VILLAGE WELL #7

Block

Lot

Section 3: Proposed Use of Water

PUBLIC WATER SUPPLY (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Tuesday, November 27, 2001

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	30	16
30	312	12

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	280	8	0.250			STEEL

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
270	280	8	18	1X3IN	TORCH OR PLASMA CUTS

Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	92	BENTONITE GROUT	
251	251	FORMATION PACKER	
252	252	FORMATION PACKER	

Section 7: Well Test Data

Total Depth: 312

Static Water Level: 40

Water Temperature:

Pump Test *

Depth pump set for test 275 feet.

400 gpm pump rate with 230 feet of drawdown after 1 hours of pumping.

Time of recovery 1 hours.

Recovery water level 40 feet.

Pumping water level 270 feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks

BACK FILLED WITH CUTTINGS AND BENTONITE CHIPS

Section 9: Well Log

Geologic Source

Unassigned

From	To	Description
0	60	NO RECORDS
60	65	LT. GRAY SHALE
65	75	LT. GRAY/ BROWN SANDSTONE
75	102	DARK GRAY SHALE
102	107	SHALE
107	112	DARK GRAY SHALE
112	175.5	DARK GRAY SHALE
175.5	183	GRAYISH BLUE SANDSTONE
183	205	LT. BLUE SILTSTONE
205	231	LT. BLUE/ PURPLE SHALE
231	233	ANDESITE SILL
233	241	BLACK SHALE
241	246	ANDESITE SILL
246	247	GRAY SHALE
247	249	ANDESITE SILL

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:

Company: OKEEFE DRILLING CO

License No: WWD-82

Date Completed: 11/27/2001

Site Name: BIG SKY WATER AND SEWER DISTRICT**GWIC Id: 205931****Additional Lithology Records**

From	To	Description
249	250	GRAY AND BLACK SHALE
250	251	GRAY SILTSTONE
251	282	ANDESITE SILL
282	294	GRAY GREEN SILTSTONE
294	296	ANDESITE SILL
296	300	LT. BROWN QUARTZITE SANDSTONE THERMOPOLIS SANDSTONE
300	312	BLACK SHALE

APPENDIX B – SNOWMAKING MEMO

MEMORANDUM

To: Ron Edwards, Jim Muscat
Big Sky County WSD

Fr: Mark Cunnane

Re: Aquifer Response to Well MTN#5 Pumping for Snowmaking 2021-2022



1. INTRODUCTION AND SUMMARY

Public water system well MTN#5 was used for snowmaking water supply for the 2021-2022 ski season. The well was manually adjusted to discharge about 30- to 40-gpm for a period of 52-days, beginning on 11/12/21 and ending on 1/3/22. Water level instruments set into test wells TW#2, TW#7, and TW#8 responded to pumping and these data were analyzed to further assess yield potential and aquifer properties (**Figure 1**).¹ Well logs are attached.

Well MTN#6 was not monitored during snowmaking. However, prior testing has shown that wells MTN#5 and MTN#6 do not have a hydraulic connection. This result also would indicate that well MTN#6 is not likely to be hydraulically connected to the test wells.

Water level data analyzed for the snowmaking pumping period showed that aquifer response eventually followed a trend for a lower transmissivity formation, estimated at about 200 ft²/d. This trend was established starting about 4- to 4.5-days after discharge from well MTN#5 began. This result is providing more information that can be used to evaluate well design capacities.

The results of this analysis indicate that operation of MTN#5 and TW#8 (as a new production well) results in the highest capacity. Under this condition, the two well system can produce 125-gpm as a maximum design capacity, and 170 acre-ft per year as the annual volume. Well MTN#5 would be operated with a design capacity of 85-gpm and TW#8 would be operated with a design capacity of 40-gpm. The annual volumes would be 120- and 50-acre-feet per year, respectively.

Individually, wells MTN#5 and TW#8 can produce about 100- and 70-gpm, respectively. The individual annual volumes would be 140- and 70- acre-feet. Completing TW#8 as a new production well would add only 25-gpm and 30-acre-feet of capacity to the Mountain Village system (above the existing supply from MTN#5). Given that the discharge from TW#8 would likely require treatment for iron and manganese, its cost effectiveness is doubtful.

Test well TW#7 would not be completed as a production well, as it has limited drawdown and this factor results in lower yield among the wells. Test well TW#2 also would not be completed as a production well, primarily due to limited yield and costs. A new well would need to be constructed at the TW#2 location and the connection to the water system would be more costly due to greater offset from existing infrastructure.

¹ These instruments are owned by the District and are installed in the wells to provide long-term monitoring of static water levels. There is no instrument installed into MTN#5 as the well casing appears to have a dogleg at the top of the well that blocks passage of a downhole instrument.

2. HYDRAULIC ANALYSIS

Test wells TW#2, TW#7, and TW#8 are equipped with down-hole In-Situ, Inc. Level TROLL 500 pressure transducers (owned by District). Water level data collected during the MTN#5 pumping period show immediate and similar response to pumping in each of the test wells (**Figure 2**). Static water levels recovered to a slightly lower static level. This condition likely reflects a declining static water level through the winter months (about 2- to 3- feet of decline over 100-days).

Hydraulic analysis of these data results in estimated aquifer transmissivity of about 150 ft²/d (**Figure 3A – 3C**), and is consistent among the three test wells. The estimated transmissivity is directly proportional to the MTN#5 discharge rate. A value of 40-gpm was used in hydraulic analyses.²

A bounded aquifer model, as used for the shorter pumping tests in the test wells (conducted in 2019 to 2021) is shown to be a poor fit to the snowmaking data (**Figure 3D**). An averaged fit to the snowmaking data obtained for an unbounded confined aquifer model by applying a least squares fitting method results in aquifer transmissivity of 198 ft²/d and storativity of 0.0002 (**Figure 3E**). These parameter values were used to estimate design capacities.

3. DESIGN CAPACITIES

Analysis was completed to assess optimal pumping capacities for well MTN#5 and test wells TW#7 and TW#8, assuming the test wells were converted to permanent production wells. Linear superposition equations were developed for the drawdown at each pumping well, resulting in one equation per well. The system of equations was then solved for discharge rate by imposing the well maximum drawdowns as solution constraints.³ The solution was applied to determine the maximum total capacity for the multiple pumping wells. Analysis was completed for a three well system, and also a two well system that included only MTN#5 and TW#8.

Drawdown constraints were determined for each well based on the well constructions. Well MTN#5 has up to 150-ft of drawdown. Test well TW#7 has only 60-ft of drawdown, and test well TW#8 has 107-ft of drawdown.⁴ Analysis was completed for maximum design rate based on 180-days of continuous pumping, and also for maximum annual volume, based on 5-years of continuous pumping. These time periods were selected given the conditions of a low transmissivity confined bedrock aquifer, which can have limited recharge.

2 E.g., If the discharge were actually only 30-gpm, transmissivity would be overestimated by 33% using the rate of 40 gpm in the calculations.

3 Solutions were obtained using Excel's Solver add-in program.

4 These drawdown limits were obtained from the pumping test data files, which are different than the static water levels listed on the well logs.

The optimal three-well system resulted in no pumping from TW#7, which was required in order to maintain the drawdown in the well at 60-ft. There is no reason to use this constraint if the well cannot be pumped. In the two well system, with MTN#5 and TW#8, a solution was obtained resulting in optimal design capacities as shown in **Table 1**.

Table 1. Optimal Design Capacities

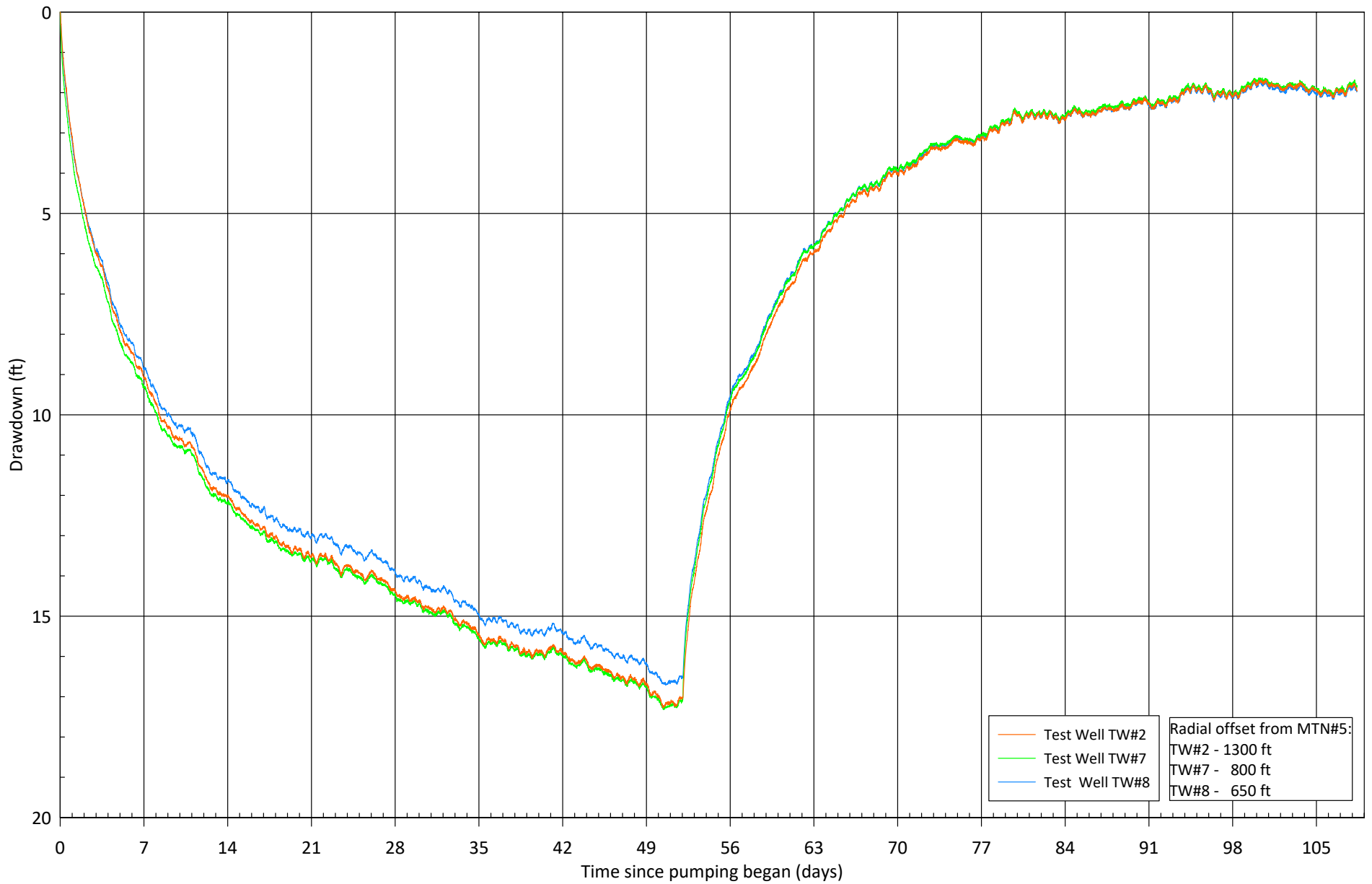
Well ID	Design Rate (gpm)	Annual Volume (af/yr)
MTN#5	85	120
TW#8	40	50
TOTAL	125	170

When pumped individually, and based on the confined aquifer model as described above, wells MTN#5 and TW#8 could be pumped at 98- and 70-gpm. The annual volumes would be 140- and 100-acre-feet, respectively. There is a benefit of only 25 gpm and 30 acre-feet by pumping simultaneously from both well MTN#5 and test well TW#8. There may also be some benefit with respect to source of supply redundancy.





Figure 1. Well Location Map

**Figure 2.** Test Well Drawdown Data

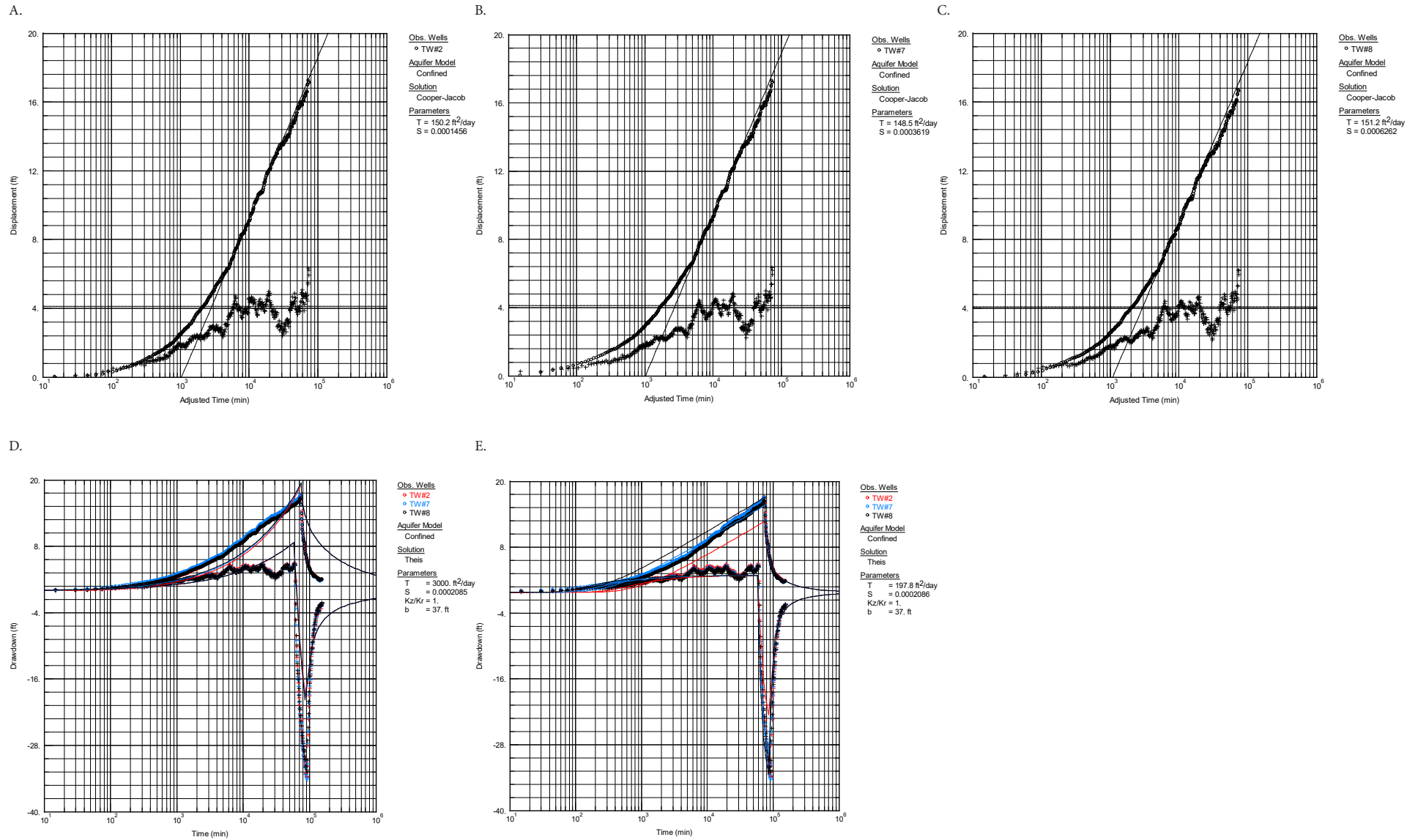
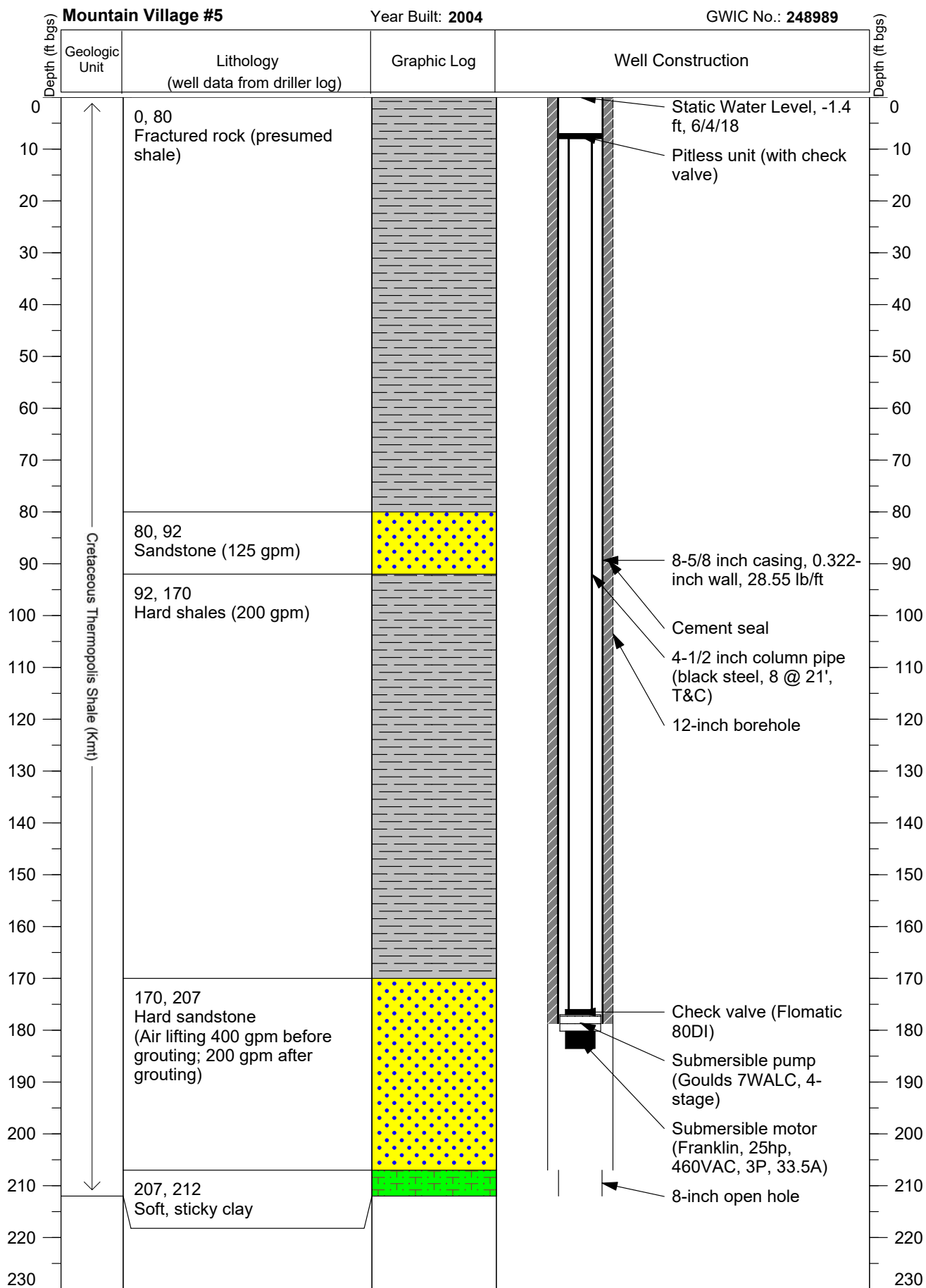
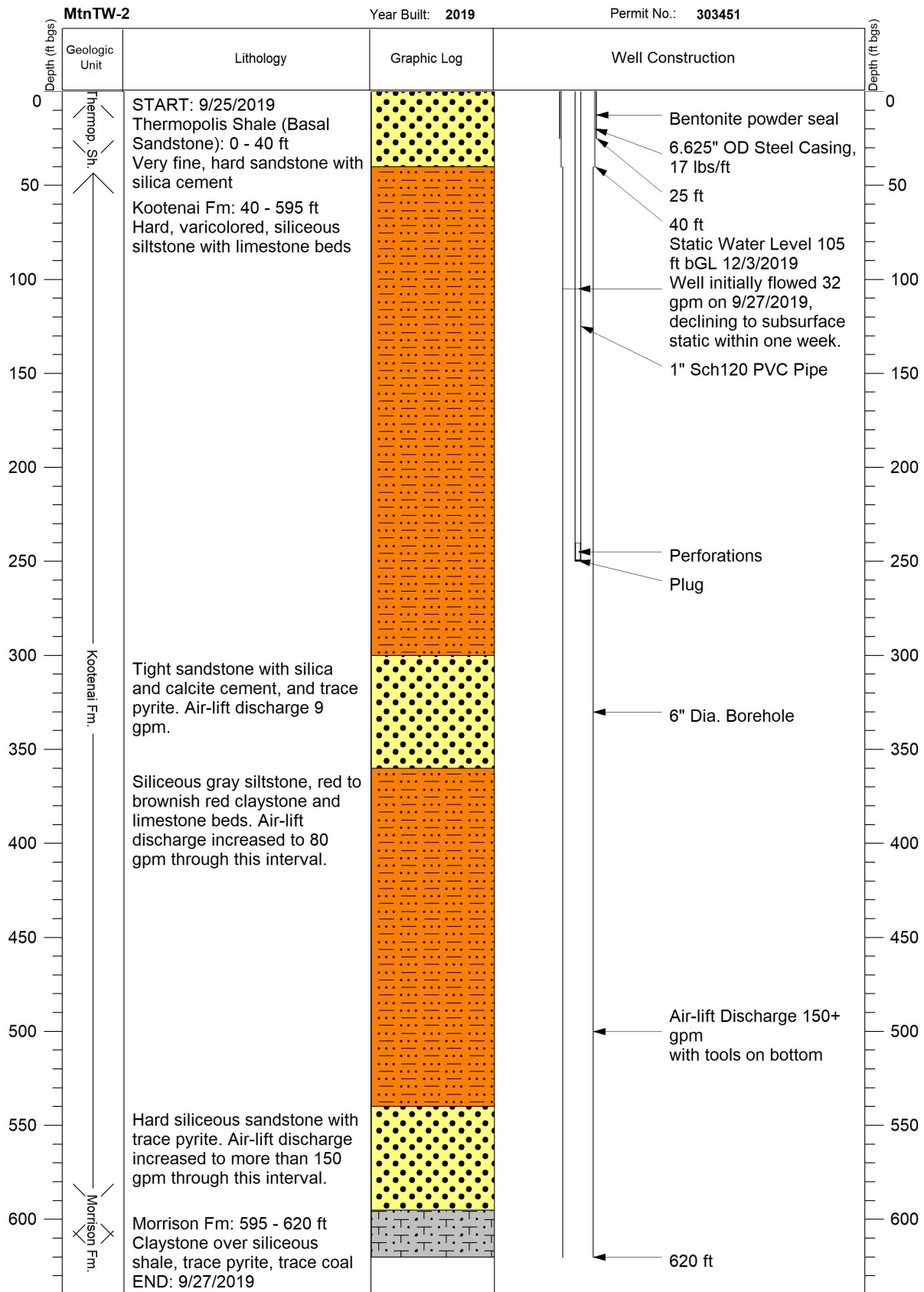


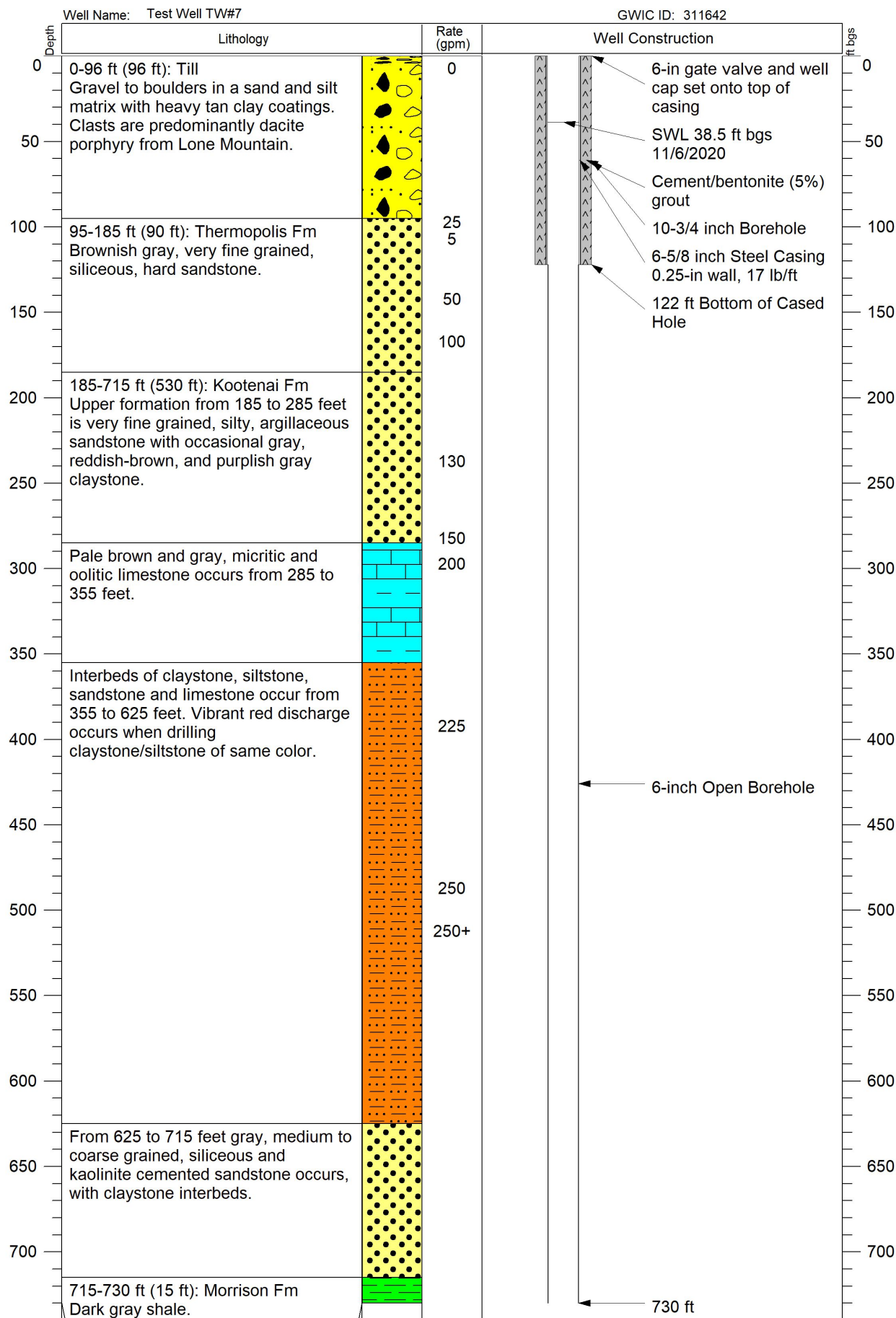
Figure 3. Hydraulic Analysis Plots

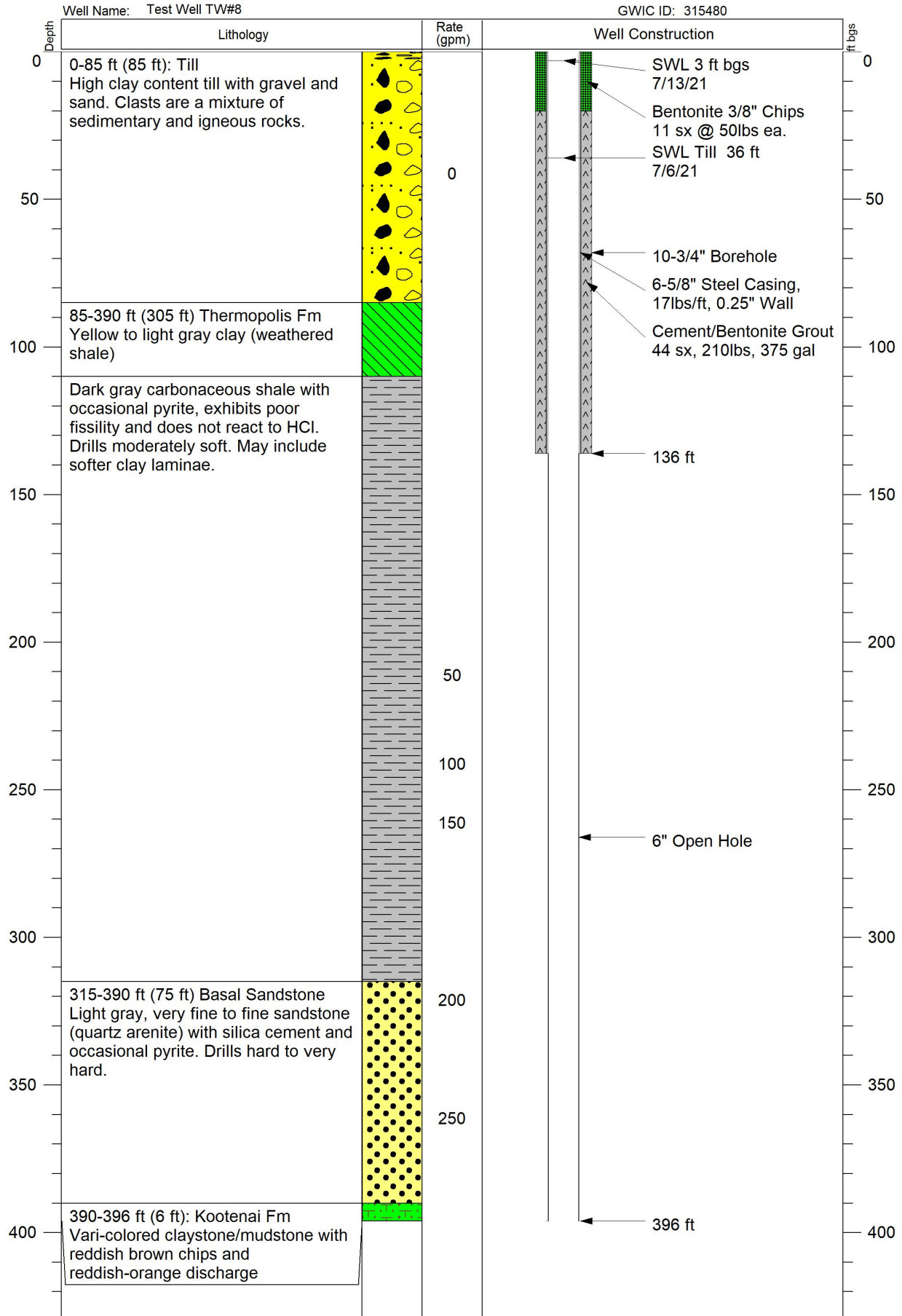
ATTACHMENTS

WELL LOGS









APPENDIX C – WATER RIGHTS

MEADOW VILLAGE NOS. 1, 2, 3, 4, 5
HIDDEN VILLAGE NO. 1

PROVISIONAL PERMIT NO: 41H 107416 00
COMPLETION DATE: 12/31/2033

This permit was filed in 1999 by the District for 985 gpm and 1,307.38 acre-feet per year from the listed diversions. It was originally filed for Meadow Village Nos. 1 – 3, and Hidden Village No. 1. In 2007, Meadow Village Nos. 4 and 5 were added by a change application. Pursuant to a request by the District in 2015, the Completion Date was extended to 12/31/2033.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 107416-00 PROVISIONAL PERMIT
Version: 2 -- CHANGE AUTHORIZATION

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363 MEADOW VILLAGE NOS. 1, 2, 3, 4, 5
% RON EDWARDS
PO BOX 160670 HIDDEN VILLAGE NO. 1
BIG SKY, MT 59716-0670

Priority Date: NOVEMBER 15, 1999 at 11:30 A.M.

Enforceable Priority Date: NOVEMBER 15, 1999 at 11:30 A.M.

Purpose (use): MUNICIPAL

Maximum Flow Rate: 985.00 GPM

Maximum Volume: 1,307.38 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SWSWNE	36	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 50.00 FEET

Static Water Level: 11.00 FEET

Casing Diameter: 6.63 INCHES

Pump Size: 25.00 HP

2			SESENW	36	6S	3E	GALLATIN
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Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 59.00 FEET

Static Water Level: 14.00 FEET

Casing Diameter: 6.00 INCHES

Pump Size: 20.00 HP

3			S2SENW	36	6S	3E	GALLATIN
---	--	--	--------	----	----	----	----------

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 67.00 FEET

Static Water Level: 33.00 FEET

Casing Diameter: 8.00 INCHES

Pump Size: 15.00 HP

4			SWSWNE	35	6S	3E	GALLATIN
---	--	--	--------	----	----	----	----------

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 45.00 FEET

Static Water Level: 8.00 FEET

Casing Diameter: 6.63 INCHES

Pump Size: 7.50 HP

5			NESWNE	36	6S	3E	GALLATIN
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Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 56.00 FEET

Static Water Level: 10.40 FEET

Casing Diameter: 16.00 INCHES

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
6		NENWSW	36	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO JANUARY 1

Diversion Means: WELL

Well Depth: 57.00 FEET

Static Water Level: 16.30 FEET

Casing Diameter: 16.00 INCHES

Purpose (Use): MUNICIPAL

Volume: 1,307.38 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			S2	25	6S	3E	GALLATIN
2				26	6S	3E	GALLATIN
3				27	6S	3E	GALLATIN
4				33	6S	3E	GALLATIN
5			SE	34	6S	3E	GALLATIN
6				35	6S	3E	GALLATIN
7				36	6S	3E	GALLATIN
8			N2	31	6S	4E	GALLATIN
9			N2SW	31	6S	4E	GALLATIN
10				1	7S	3E	GALLATIN
11			NE	2	7S	3E	GALLATIN

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME OTHER.

107416-00 122634-00 122635-00

ASSOCIATED RIGHT

THIS PERMIT IS ASSOCIATED TO WATER RIGHT NOS. 41H-P49666-00, 41H-I69587-00, 41H-W122634-00, AND 41H-W122635-00. THEY SHARE COMMON WELLS, WHICH ARE MANIFOLD INTO AN EXISTING SYSTEM, USED TO SUPPLY THE MEADOW VILLAGE/ HIDDEN VILLAGE SERVICE AREA.

WATER MEASUREMENT-INLINE FLOW METER REQUIRED

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW METER AT A POINT IN THE DELIVERY LINE APPROVED BY THE DEPARTMENT TO RECORD THE FLOW RATE AND VOLUME OF WATER DIVERTED. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP MONTHLY WRITTEN RECORDS OF THE FLOW RATE AND VOLUME MEASUREMENTS AND SHALL SUBMIT THE RECORDS BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OR MODIFICATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. CONTACT THE REGIONAL OFFICE FOR THE CURRENT ADDRESS. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE ACCURATELY. BOZEMAN - PH: 406-586-3136 FAX: 406-587-9726

PROGRESS REPORT REQUIRED

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. THE RECORDS MUST BE SUBMITTED TO THE WATER RESOURCES REGIONAL OFFICE. CONTACT THE REGIONAL OFFICE LISTED BELOW TO OBTAIN THEIR CURRENT ADDRESS. BOZEMAN - PH: 406-586-3136 FAX: 406-587-9726

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
48 NORTH LAST CHANCE GULCH P.O. BOX 201601 HELENA, MONTANA 59620-1601



Permit to Appropriate Water

THIS PROVISIONAL PERMIT TO APPROPRIATE WATER IS ISSUED TO:

BIG SKY COUNTY WATER & SEWER DIST #363
C/O RON EDWARDS
PO BOX 160670
BIG SKY MT 59716

UPON FINDING THAT THE REQUIREMENTS OF SECTION 85-2-311 MCA
HAVE BEEN MET.

PERMIT NUMBER: 107416-41H

PRIORITY DATE: NOVEMBER 15, 1999 AT 11:30 A.M.

SOURCE: GROUNDWATER

DIVERSION: MEANS: WELL

PERIOD OF DIVERSION: 01/01-12/31
SWSWNE SEC. 36 TWP. 06S RGE. 03E GALLATIN CO

MEANS: WELL

PERIOD OF DIVERSION: 01/01-12/31
SESENW SEC. 36 TWP. 06S RGE. 03E GALLATIN CO

MEANS: WELL

PERIOD OF DIVERSION: 01/01-12/31
S2SENW SEC. 36 TWP. 06S RGE. 03E GALLATIN CO

MEANS: WELL

PERIOD OF DIVERSION: 01/01-12/31
SWSWNE SEC. 35 TWP. 06S RGE. 03E GALLATIN CO

TOTAL FLOW RATE: 985.00 GPM

TOTAL VOLUME: 1,307.38 ACRE FEET PER YEAR

USE: 985.00 GPM UP TO 1307.38 AC-FT (01/01-12/31)
FOR MUNICIPAL

PLACE OF USE: S2 SEC. 25 TWP. 06S RGE. 03E GALLATIN CO
FOR MUNICIPAL

SEC. 26 TWP. 06S RGE. 03E GALLATIN CO
FOR MUNICIPAL

SEC. 27 TWP. 06S RGE. 03E GALLATIN CO
FOR MUNICIPAL

SEC. 33 TWP. 06S RGE. 03E GALLATIN CO
FOR MUNICIPAL

SE SEC. 34 TWP. 06S RGE. 03E GALLATIN CO
FOR MUNICIPAL

SEC. 35 TWP. 06S RGE. 03E GALLATIN CO
FOR MUNICIPAL

SEC. 36 TWP. 06S RGE. 03E GALLATIN CO
FOR MUNICIPAL

N2 SEC. 31 TWP. 06S RGE. 04E GALLATIN CO
FOR MUNICIPAL

N2SW SEC. 31 TWP. 06S RGE. 04E GALLATIN CO
FOR MUNICIPAL

SEC. 1 TWP. 07S RGE. 03E GALLATIN CO
FOR MUNICIPAL

NE SEC. 2 TWP. 07S RGE. 03E GALLATIN CO
FOR MUNICIPAL

CONTINUED

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
48 NORTH LAST CHANCE GULCH P.O. BOX 201801 HELENA, MONTANA 59620-1801



Permit to Appropriate Water

PERMIT NUMBER: 107416-41H

PAGE 2

**** COMPLETION DEADLINE:**

THE DEADLINE TO COMPLETE THIS PERMIT AND FILE A NOTICE OF COMPLETION OF PERMITTED WATER DEVELOPMENT (FORM 617) IS DECEMBER 31, 2015. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, BY DECEMBER 31, 2015. OTHERWISE, THE PERMIT IS VOID.

**** PRIOR RIGHTS:**

THIS PERMIT IS SUBJECT TO ALL PRIOR EXISTING WATER RIGHTS IN THE SOURCE OF SUPPLY. FURTHER; THIS PERMIT IS SUBJECT TO ANY FINAL DETERMINATION OF EXISTING WATER RIGHTS, AS PROVIDED BY MONTANA LAW.

**** BACKFLOW PREVENTOR:**

PURSUANT TO SECTION 85-2-505, MCA, TO PREVENT GROUNDWATER CONTAMINATION, AN OPERATIONAL BACK FLOW PREVENTOR MUST BE INSTALLED AND MAINTAINED BY THE APPROPRIATOR IF A CHEMICAL OR FERTILIZER DISTRIBUTION SYSTEM IS CONNECTED TO THE WELL.

**** ASSOCIATED RIGHTS:**

THIS PERMIT IS ASSOCIATED TO WATER RIGHT NOS. 41H-P49666-00, 41H-I69587-00, 41H-W122634-00, AND 41H-W122635-00. THEY SHARE COMMON WELLS, WHICH ARE MANIFOLD INTO AN EXISTING SYSTEM, USED TO SUPPLY THE MEADOW VILLAGE/ HIDDEN VILLAGE SERVICE AREA.

**** WATER MEASUREMENT RECORDS REQUIRED:**

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BOZEMAN - PH: 406-586-3136 FAX: 406-587-9726

**** PROGRESS REPORT:**

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. THE RECORDS MUST BE SUBMITTED TO THE WATER RESOURCES REGIONAL OFFICE. CONTACT THE REGIONAL OFFICE LISTED BELOW TO OBTAIN THEIR CURRENT ADDRESS.
BOZEMAN - PH: 406-586-3136 FAX: 406-587-9726

**** OWNERSHIP UPDATE:**

IF THE OWNERSHIP CHANGES ON ANY PORTION OF OR ALL OF THIS RIGHT, A WATER RIGHT OWNERSHIP UPDATE, FORM 608, MUST BE FILED WITH THE DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION.

FAILURE TO COMPLY WITH ANY OF THE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THE WATER RIGHT GRANTED BY THIS PERMIT.

WITNESS

DATE: AUGUST 29, 2000 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION

Jan R. Mack

Scott Compton
WATER RESOURCES REGIONAL MANAGER

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

CHANGE AUTHORIZATION

UPON FINDING THE REQUIREMENTS OF SECTION 85-2-402, MCA HAVE BEEN MET, APPLICATION TO CHANGE WATER RIGHT NUMBER 41H-30026963 SUBMITTED ON MARCH 5, 2007, IS APPROVED.

Application From: BIG SKY COUNTY WATER & SEWER DIST #363 MEADOW VILLAGE NOS. 1, 2, 3, 4, 5
% RON EDWARDS
PO BOX 160670 HIDDEN VILLAGE NO. 1
BIG SKY, MT 59716 0670

Water Right Wr # Ext Type
Number(s) Changed: 41H-107416 00 PROVISIONAL PERMIT (This change added MV-4 and MV-5)

Authorization Limits

Flow Rate: 985.00 GPM
Volume: 1,307.38 AC-FT

Change Description:

THIS CHANGE ADDS TWO ADDITIONAL WELLS TO THE FOUR PERMITTED WELLS. ALL SIX WELLS WILL BE MANIFOLD TO SUPPLY THE PERMITTED PLACE OF USE. THE PERMITTED 985 GPM, UP TO 1,307.38 ACRE- FEET REMAINS UNCHANGED.

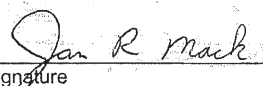
COMPLETION DEADLINE

THE DEADLINE TO COMPLETE THIS AUTHORIZATION AND FILE A PROJECT COMPLETION NOTICE FOR CHANGE OF APPROPRIATION WATER RIGHT (FORM 618) IS **DECEMBER 31, 2015**. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, BY **DECEMBER 31, 2015**. OTHERWISE, THE AUTHORIZATION IS VOID.

CONDITIONAL APPROVAL

THIS AUTHORIZATION IS LIMITED TO THE AMOUNT OF THE HISTORIC USE RECOGNIZED BY THE DEPARTMENT IN THIS PROCEEDING AS SUBJECT TO CHANGE, AND WILL THEREAFTER NOT EXCEED THAT AMOUNT. IF THE HISTORIC USE IS REDUCED UNDER ADJUDICATION PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, PART 2, MCA, THIS AUTHORIZATION WILL BE LIMITED TO A LESSER AMOUNT.

FAILURE TO COMPLY WITH ANY OF THESE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THIS CHANGE AUTHORIZATION.


Witness Signature


Water Resources Division

DATE ISSUED: JUNE 14, 2007

**THE INFORMATION SHOWN BELOW REFLECTS THE ENTIRE WATER RIGHT.
AN ASTERISK (*) HAS BEEN PLACED NEXT TO EACH ITEM ALTERED BY THIS CHANGE AUTHORIZATION.**

Water Right Number: 41H 107416-00 PROVISIONAL PERMIT
Version: 2 -- CHANGE AUTHORIZATION
Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716 0670

Priority Date: NOVEMBER 15, 1999 at 11:30 A.M.
Enforceable Priority Date: NOVEMBER 15, 1999 at 11:30 A.M.

Purpose (use): MUNICIPAL
Maximum Flow Rate: 985.00 GPM
Maximum Volume: 1,307.38 AC-FT

Source Name: GROUNDWATER
Source Type: GROUNDWATER

***Point of Diversion and Means of Diversion:**

ID	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1		SWSWNE	36	6S	3E	GALLATIN
Period of Diversion: JANUARY 1 TO DECEMBER 31						
Diversion Means: WELL						
Well Depth: 50.00 FEET						
Static Water Level: 11.00 FEET						
Casing Diameter: 6.63 INCHES						
Pump Size: 25.00 HP						
2		SESENW	36	6S	3E	GALLATIN
Period of Diversion: JANUARY 1 TO DECEMBER 31						
Diversion Means: WELL						
Well Depth: 59.00 FEET						
Static Water Level: 14.00 FEET						
Casing Diameter: 6.00 INCHES						
Pump Size: 20.00 HP						
3		S2SENW	36	6S	3E	GALLATIN
Period of Diversion: JANUARY 1 TO DECEMBER 31						
Diversion Means: WELL						
Well Depth: 67.00 FEET						
Static Water Level: 33.00 FEET						
Casing Diameter: 8.00 INCHES						
Pump Size: 15.00 HP						
4		SWSWNE	35	6S	3E	GALLATIN
Period of Diversion: JANUARY 1 TO DECEMBER 31						
Diversion Means: WELL						
Well Depth: 45.00 FEET						
Static Water Level: 8.00 FEET						
Casing Diameter: 6.63 INCHES						
Pump Size: 7.50 HP						
*5		NESWNE	36	6S	3E	GALLATIN
Period of Diversion: JANUARY 1 TO DECEMBER 31						
Diversion Means: WELL						
Well Depth: 56.00 FEET						
Static Water Level: 10.40 FEET						
Casing Diameter: 16.00 INCHES						
*6		NENWSW	36	6S	3E	GALLATIN
Period of Diversion: JANUARY 1 TO JANUARY 1						
Diversion Means: WELL						
Well Depth: 57.00 FEET						
Static Water Level: 16.30 FEET						
Casing Diameter: 16.00 INCHES						

Purpose (Use): MUNICIPAL
Volume: 1,307.38 AC-FT
Period of Use: JANUARY 1 to DECEMBER 31
Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			S2	25	6S	3E	GALLATIN
2				26	6S	3E	GALLATIN
3				27	6S	3E	GALLATIN
4				33	6S	3E	GALLATIN
5			SE	34	6S	3E	GALLATIN
6				35	6S	3E	GALLATIN
7				36	6S	3E	GALLATIN
8			N2	31	6S	4E	GALLATIN
9			N2SW	31	6S	4E	GALLATIN
10				1	7S	3E	GALLATIN
11			NE	2	7S	3E	GALLATIN

ASSOCIATED RIGHT

THIS PERMIT IS ASSOCIATED TO WATER RIGHT NOS. 41H-P49666-00, 41H-I69587-00, 41H-W122634-00, AND 41H-W122635-00. THEY SHARE COMMON WELLS, WHICH ARE MANIFOLD INTO AN EXISTING SYSTEM, USED TO SUPPLY THE MEADOW VILLAGE/ HIDDEN VILLAGE SERVICE AREA.

WATER MEASUREMENT-INLINE FLOW METER REQUIRED

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW METER AT A POINT IN THE DELIVERY LINE APPROVED BY THE DEPARTMENT TO RECORD THE FLOW RATE AND VOLUME OF WATER DIVERTED. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP MONTHLY WRITTEN RECORDS OF THE FLOW RATE AND VOLUME MEASUREMENTS AND SHALL SUBMIT THE RECORDS BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OR MODIFICATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. CONTACT THE REGIONAL OFFICE FOR THE CURRENT ADDRESS. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE ACCURATELY. BOZEMAN - PH: 406-586-3136 FAX: 406-587-9726

PROGRESS REPORT REQUIRED

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. THE RECORDS MUST BE SUBMITTED TO THE WATER RESOURCES REGIONAL OFFICE. CONTACT THE REGIONAL OFFICE LISTED BELOW TO OBTAIN THEIR CURRENT ADDRESS. BOZEMAN - PH: 406-586-3136 FAX: 406-587-9726

NOTICE OF ACTION FOR EXTENSION OF TIME

BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

PROVISIONAL PERMIT/CHANGE AUTHORIZATION NUMBERS:

41H 12263500	(Change Authorization)
41H 107416-00	(Provisional Permit)
41H 30026963	(Change Authorization)
41H 6167399	(Change Authorization)
41H 12263499	(Change Authorization)

APPROVED

The requests for additional time to complete these projects are approved because the appropriator has shown diligence in completing the projects or shown good cause for not completing the projects.

The notice of completion deadlines are extended to **December 31, 2033**.

PROGRESS REPORTS DUE: Currently Required (See Extension of Time Decision)



Water Resources Regional Office

2/17/16

Date

NOTICE

*Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601*



MEADOW VILLAGE NO. 1
MEADOW VILLAGE NOS. 2, 3
HIDDEN VILLAGE NO. 1

STATEMENT OF CLAIM NO: 41H 122635 00
COMPLETION DATE: 12/31/2033 (Change Auth.)

This statement of claim was originally filed by Big Sky of Montana Inc. for 220 gpm and 355 acre-feet. It appears that in 1986 the Water Court reexamined the claim and determined a volume of 177.89 acre-feet per year. This reduced volume first appears in 1994 under the owner Lone Mountain Springs Water Utility, who transferred the right to the District in 1999. In 1999 a change authorization was approved adding Meadow Village Nos. 2 and 3, and Hidden Village No. 1 as diversions on the right and changing the use to Municipal. In 2015 the District filed for an extension on the Change Authorization, which was granted to 12/31/2033.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

A version with a more recent operating authority date exists. Contact DNRC for details.

Water Right Number: 41H 122635-00 STATEMENT OF CLAIM

Version: 2 -- CHANGE AUTHORIZATION

Version Status: ACTIVE

THIS AUTHORIZATION IS LIMITED TO THE AMOUNT OF THE HISTORIC USE RECOGNIZED BY THE DEPARTMENT IN THIS PROCEEDING AS SUBJECT TO CHANGE, AND WILL THEREAFTER NOT EXCEED THAT AMOUNT. IF THE HISTORIC USE IS REDUCED UNDER ADJUDICATION PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, PART 2, MCA, THIS AUTHORIZATION WILL BE LIMITED TO A LESSER AMOUNT.

Owners:

BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

MEADOW VILLAGE NO. 1

Priority Date: APRIL 1, 1971

MEADOW VILLAGE NO. 2

Enforceable Priority Date: APRIL 1, 1971

MEADOW VILLAGE NO. 3

Purpose (use): MUNICIPAL

HIDDEN VILLAGE NO. 1

Maximum Flow Rate: 220.00 GPM

Maximum Volume: 177.89 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SWSWNE	36	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

2		SESENW	36	6S	3E	GALLATIN
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Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

3		S2SENW	36	6S	3E	GALLATIN
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Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

4		SWSWNE	35	6S	3E	GALLATIN
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Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			S2	25	6S	3E	GALLATIN
2				26	6S	3E	GALLATIN
3				27	6S	3E	GALLATIN
4				33	6S	3E	GALLATIN
5			SE	34	6S	3E	GALLATIN
6				35	6S	3E	GALLATIN
7				36	6S	3E	GALLATIN
8			N2	31	6S	4E	GALLATIN
9			N2SW	31	6S	4E	GALLATIN
10				1	7S	3E	GALLATIN
11			NE	2	7S	3E	GALLATIN

Remarks:

THE WATER RIGHTS LISTED FOLLOWING THIS STATEMENT ARE ASSOCIATED. THEY SHARE THE SAME WELLS. P049666-00, P107416-00, W122634-00, W122635-00

Remarks:

AUTHORIZATION TO CHANGE THE PLACE OF USE, POINTS OF DIVERSION, PURPOSE OF USE ISSUED 08/28/00. NOTICE OF COMPLETION DUE 12/31/15. SEE 41H-G(W)122635-00 .

NOTICE OF WATER RIGHT TRANSFER RECEIVED 01/20/94.

NOTICE OF WATER RIGHT TRANSFER RECEIVED 03/05/99.

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. THE REPORTS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE.

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW METER AT A POINT IN THE DELIVERY LINE APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN MONTHLY RECORD OF THE FLOW RATE AND VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE AND VOLUME ACCURATELY.

RECEIVED

122635

41H

**STATEMENT OF CLAIM
FOR EXISTING WATER RIGHTS**

MAR 15 1982

OTHER USES

For the Water Courts of the State of Montana

MONTANA D.N.R.C.

BOZEMAN FIELD OFFICE

GA-U

10-105-01-01

40

1. Owner of Water Right BIG SKY OF MONTANA INC
Last First Middle Initial

Co-Owner or Other Interest Owner _____
Last First Middle Initial

Address P.O. Box 1

City BIG SKY State MONTANA Zip Code 59716

Home Phone No. 995-4211 Business Phone No. _____

2. Person completing form TOOT RAYMOND J
Last First Middle Initial

Address P.O. Box 806

City BIG SKY State MONTANA Zip Code 59716

Home Phone No. 995-4304 Business Phone No. 995-4211

3. Use: (Check Only One)

- | | | |
|---|---|--|
| FR <input type="checkbox"/> Fish Raceways | GE <input type="checkbox"/> Geothermal | MN <input type="checkbox"/> Mining |
| FW <input type="checkbox"/> Fish & Wildlife | NV <input type="checkbox"/> Navigation | PG <input type="checkbox"/> Power Generation |
| CM <input checked="" type="checkbox"/> Commercial | FP <input type="checkbox"/> Fire Protection | RC <input type="checkbox"/> Recreation |
| IN <input type="checkbox"/> Industrial | AS <input type="checkbox"/> Agricultural Spraying | OT <input type="checkbox"/> Other |
| MCT <input type="checkbox"/> Municipal | OF <input type="checkbox"/> Oil Well Flooding | Explain _____ |

4. Source of Water: (Check Only One)

- ☐ Spring Name _____
- ☒ Well Name Spotted Elk
- ☐ Stream Name _____ Tributary of _____
- ☐ Lake Name _____ Stream _____
- ☐ Reservoir Name _____ Stream _____
- Tributary of _____

5. Point of Diversion: County GALLATIN

SW 1/4 SW 1/4 NE 1/4, Section 36, T 6 N/S, R 3 E

Lot _____, Block _____, Subdivision Meadow Village

6. Means of Diversion:

- ☒ Well
- ☒ Pump Capacity 200 gpm
- ☐ Headgate with ditch or pipeline
- ☐ Instream use
- ☐ Other Explain _____

PM

7. Means of Conveyance: ☐ Ditch ☐ Instream

☒ Pipeline ☐ Other: _____

8. Place of Use: County Gallatin

☐ Instream

☐ City or Town

☐ Other:

Explain _____

Lot, _____ Block, _____ 1/4 _____ 1/4 _____ 1/4, Section 36, T 6 N/S, R 3 E/W

Lot, _____ Block, _____ 1/4 _____ 1/4 SE 1/4, Section 35, T 6 N/S, R 3 E/W

Lot, _____ Block, S 1/4 S 1/4 NE 1/4, Section 35, T 6 N/S, R 3 E/W

Lot, _____ Block, _____ 1/4 _____ 1/4 _____ 1/4, Section _____, T _____ N/S, R _____ E/W

Lot, _____ Block, _____ 1/4 _____ 1/4 _____ 1/4, Section _____, T _____ N/S, R _____ E/W

Subdivision MEADOW VILLAGE & Sweetgrass Hills

9. Flow rate claimed: 220

☐ cubic feet per second

☒ gallons per minute

☐ miner's inches

10. Volume claimed: 355 acre-feet per year

11. Period(s) of use: JAN / 1 to DEC / 31
Month Day Month Day

12. Check one:

☐ Decreed Water Right

☐ Filed Appropriation Right

☒ Use Water Right

Priority date or date of first use

8:10AM / July / 1 / 1971
Hour Month Day Year

13. Attach copies of the Decree, Record of Filing or Proof of Use Right.

DMRC
14. Attach copies of aerial photographs, U.S. Geological Survey maps or such other documents necessary to show point of diversion, place of use, place of storage, and conveyance facilities.

15. Notarized Statement signed by claimant.

STATE OF MONTANA)

County of Gallatin)

:ss.

I, Raymond J. Sant, having been duly sworn, depose and say that I, being of legal age and being the claimant of this claim of existing water right, and the person whose name is signed to it as the claimant, know the contents of this claim and the matters and things stated there are true and correct.

Subscribed and sworn before me, this 7th day of March 19 82

James J. Dune
Notary Public for the State of Montana

Residing at Big Sky, Montana

My Commission expires 1/15/83

09/13/83

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

ABSTRACT OF CLAIM FOR EXISTING WATER RIGHTS

CLAIM ID 41H -W-122635-00 PRIORITY DATE: * 08:00 04 07/01/1971 TYPE OF RIGHT: USE CLAIM RECEIVED: 03/15/82 FEE PAID: \$40
TYPE CODE: G MAX RATE: 220.00 G (MI) MAX VOLUME: 355.00 AF/YEAR MAX ACRES: 0.00

OWNERS: (M) C BIG SKY OF MONTANA BOX 1

BIG SKY MT 59716

SOURCES: WL 01 WELL LOT BLK QTR SEC-SEC TWP RGE CO
SWSWNE 36 06S 03E GA YIELD RATE 200 G

USE: CM 01 0.00 ACRES PERIOD OF USE 199999999997

PARCELS:	001	0.00	LOT BLK	QTR SEC SEC	TWP RGE CO	REMARKS
	002	0.00		36 06S 03E GA		
	003	0.00		SE 35 06S 03E GA		
				S2S2NE 35 06S 03E GA		
TOTAL		0.00				

ADDENDUMS: YES ☒ NO ☐ DVS ☐ RSRV ☐ POU ☐ RMRK ☐ OWNRR COMMENTS

SUPPLEMENTAL IF REF. RIGHT, MAX COMBINED VOLUME FOR ALL RIGHTS AF MAX COMBINED ACRES FOR ALL RIGHTS

RIGHTS: IF SUPPLEMENTAL RIGHT, PURPOSE ID AND CLAIM ID OF REF. RIGHT

***** FIELD VERIFICATION FORM *****

COMPARISON STATISTICS: VOLUME BASED ON FLOW RATE AND PERIOD OF USE 357.867 AF/YR - OVER CLAIMED VOLUME

BASIN OK: YES ☒ NO ☐ COMMENTS

SOURCE NAME OK: YES ☒ NO ☐ (FROM: USGS TOPO MAP WR SURVEY) COMMENTS

TYPE CD (S/G) OK: YES ☒ NO ☐ COMMENTS

POD OK: WL 01 YES ☐ NO ☒ APPEARS CORRECT UNVERIFIED (FROM: CLMNTS MAP GRID ON FLNG) COMMENTS

PROOF OF USE: CLAIMED FLOW RATE OK: YES ☒ NO ☐ NONE GIVEN COMMENTS FLOW IS 200 GPM

CLAIMED PRY DATE OK: YES ☒ NO ☐ COMMENTS FILED 04/01/1971

FLOW RATE OK: YES ☒ NO ☐ COMMENTS

VOLUME OK: YES ☒ NO ☐ COMMENTS

Ans

PAGE 1

WATER RIGHT NUMBER 41H -W-122635-00

*****DNRC*LOCATE*#* *0* *000000***

USE	FLOW	VOLUME (AF)	ACRES	PERIOD OF USE
COMMERCIAL	220.00 G	177.89		JAN 1 TO DEC 31

REMARKS: NOTICE OF TRANSFER RECEIVED 1/20/94.

FILMED

JUN 14 1994

State of Montana
Department of Natural Resources and Conservation
48 N. Last Chance Gulch • PO Box 201601 • Helena, Montana 59620-1601



Authorization to Change Appropriation Water Right

PURSUANT TO SECTION 85-2-402, MCA, APPLICATION TO CHANGE A WATER RIGHT NO. 41H G(W)122635-00 SUBMITTED ON FEBRUARY 12, 1999 IS APPROVED.

OWNER: BIG SKY COUNTY WATER & SEWER DISTRICT NO. 363
C/O RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716

WATER RIGHT: STATEMENT OF CLAIM

NUMBER: 41H-W122635-00

PRIORITY DATE: APRIL 1, 1971

SOURCE: GROUNDWATER

USE: COMMERCIAL

MEADOW VILLAGE NO. 1

ADDS DIVERSIONS:

MEADOW VILLAGE NO. 2

MEADOW VILLAGE NO. 3

HIDDEN VILLAGE NO. 1

THE DEPARTMENT AUTHORIZES THE FOLLOWING CHANGES:

NEW PURPOSE: MUNICIPAL USE

NEW PLACE OF USE: S2 SEC 25, SEC 26, SEC 27, SEC 33, SE SEC 34, SEC 35, SEC 36 T06S
R03E; N2 SEC 31, N2SW SEC 31, T06S R04E; SEC 1, NE SEC 2 T07S
R03E, GALLATIN COUNTY

ADDITIONAL POINTS OF DIVERSION: SESENW SEC 36, S2SENW SEC 36, SWSWNE SEC 35,
T06S R03E, GALLATIN COUNTY

****COMPLETION DEADLINE:**

THE DEADLINE TO COMPLETE THIS AUTHORIZATION AND FILE A NOTICE OF COMPLETION OF CHANGE OF APPROPRIATION WATER RIGHT (FORM 618) IS DECEMBER 31, 2015. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, AT LEAST THIRTY DAYS BEFORE DECEMBER 31, 2015. OTHERWISE, THE AUTHORIZATION IS VOID.

****PROGRESS REPORT REQUIRED:**

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. THE REPORTS MUST BE SENT TO THE BOZEMAN WATER RESOURCES REGIONAL OFFICE.

****WATER MEASUREMENT RECORDS REQUIRED:**

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW METER AT A POINT IN THE DELIVERY LINE APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN MONTHLY RECORD OF THE FLOW RATE AND VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE BOZEMAN WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE AND VOLUME

State of Montana
Department of Natural Resources and Conservation
48 N. Last Chance Gulch • PO Box 201601 • Helena, Montana 59620-1601



Authorization to Change Appropriation Water Right

****ASSOCIATED REMARK:**

THE CHANGE IS ASSOCIATED TO WATER RIGHT NUMBERS: 41H-P49666-00, 41H W107416, 41H I069587-00 AND 41H 122634-00. THIS IS MANIFOLD INTO AN EXISTING SYTEM, USED TO SUPPLY THE MEADOW VILLAGE/HIDDEN VILLAGE SERVICE AREA.

****CONDITIONAL APPROVAL**

THE APPROVAL OF THIS CHANGE IS NOT BE CONSTRUED AS RECOGNITION BY THE DEPARTMENT OF THE WATER RIGHTS INVOLVED. ALL WATER RIGHTS ARE SUBJECT TO POSSIBLE MODIFICATION UNDER THE PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, MCA, AND 85-2-404, MCA.

FAILURE TO COMPLY WITH ANY OF THESE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THIS AUTHORIZATION TO CHANGE.

WITNESS

Jan R. Mack

Scott Conley
WATER RESOURCES DIVISION August 28, 2000

NOTICE OF ACTION FOR EXTENSION OF TIME

BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

PROVISIONAL PERMIT/CHANGE AUTHORIZATION NUMBERS:

41H 12263500	(Change Authorization)
41H 107416-00	(Provisional Permit)
41H 30026963	(Change Authorization)
41H 6167399	(Change Authorization)
41H 12263499	(Change Authorization)

APPROVED

The requests for additional time to complete these projects are approved because the appropriator has shown diligence in completing the projects or shown good cause for not completing the projects.

The notice of completion deadlines are extended to **December 31, 2033**.

PROGRESS REPORTS DUE: Currently Required (See Extension of Time Decision)



Water Resources Regional Office

2/17/16

Date

NOTICE

*Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601*



HIDDEN VILLAGE NO. 1
MEADOW VILLAGE NOS. 1, 2, 3

STATEMENT OF CLAIM NO: **41H 122634 00**
COMPLETION DATE: **12/31/2033 (Change Auth.)**

This statement of claim was originally filed by Big Sky of Montana Inc for 85 gpm and 137 acre-feet per year from the Hidden Village No. 1 well. In 1986, DNRC reexamination reduced the volume to 68.73 acre-feet per year. In 1999, Lone Mountain Spring Water Utility transferred ownership to the District. Also in 1999, the District filed a change authorization that was approved adding Meadow Village Nos. 1, 2 and 3 as diversions on the right and changing the use to Municipal. In 2015, the District filed for an extension on the change to 12/31/2033.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

A version with a more recent operating authority date exists. Contact DNRC for details.

Water Right Number: 41H 122634-00 STATEMENT OF CLAIM

Version: 2 -- CHANGE AUTHORIZATION

Version Status: ACTIVE

THIS AUTHORIZATION IS LIMITED TO THE AMOUNT OF THE HISTORIC USE RECOGNIZED BY THE DEPARTMENT IN THIS PROCEEDING AS SUBJECT TO CHANGE, AND WILL THEREAFTER NOT EXCEED THAT AMOUNT. IF THE HISTORIC USE IS REDUCED UNDER ADJUDICATION PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, PART 2, MCA, THIS AUTHORIZATION WILL BE LIMITED TO A LESSER AMOUNT.

Owners:

BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

HIDDEN VILLAGE NO. 1

MEADOW VILLAGE NO. 1

MEADOW VILLAGE NO. 2

MEADOW VILLAGE NO. 3

Priority Date: APRIL 1, 1971

Enforceable Priority Date: APRIL 1, 1971

Purpose (use): MUNICIPAL

Maximum Flow Rate: 85.00 GPM

Maximum Volume: 68.73 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SWSWNE	35	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

2		SWSWNE	36	6S	3E	GALLATIN
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Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

3		SESENW	36	6S	3E	GALLATIN
---	--	--------	----	----	----	----------

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

4		S2SENW	36	6S	3E	GALLATIN
---	--	--------	----	----	----	----------

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			S2	25	6S	3E	GALLATIN
2				26	6S	3E	GALLATIN
3				27	6S	3E	GALLATIN
4				33	6S	3E	GALLATIN
5			SE	34	6S	3E	GALLATIN
6				35	6S	3E	GALLATIN
7				36	6S	3E	GALLATIN
8			N2	31	6S	4E	GALLATIN
9			N2SW	31	6S	4E	GALLATIN
10				1	7S	3E	GALLATIN
11			NE	2	7S	3E	GALLATIN

Remarks:

THE WATER RIGHTS LISTED FOLLOWING THIS STATEMENT ARE ASSOCIATED. THEY SHARE THE SAME WELLS. P049666-00, P107416-00, W122634-00, W122635-00.

Remarks:

AUTHORIZATION TO CHANGE THE PLACE OF USE,POINTS OF DIVERSION, PURPOSE OF USE ISSUED 08/28/00. NOTICE OF COMPLETION DUE 12/31/15. SEE 41H-G(W)122634-00 .

NOTICE OF WATER RIGHT TRANSFER RECEIVED 01/20/94.

NOTICE OF WATER RIGHT TRANSFER RECEIVED 03/05/99.

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW METER AT A POINT IN THE DELIVERY LINE APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN MONTHLY RECORD OF THE FLOW RATE AND VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE AND VOLUME ACCURATELY.

RECEIVED

MAR 15 1982

MONTANA D.N.R.C.

BOZEMAN FIELD OFFICE

STATEMENT OF CLAIM FOR EXISTING WATER RIGHTS

OTHER USES

For the Water Courts of the State of Montana

122634

414

GA-U

1D-105-01-01

40

1. Owner of Water Right BIG SKY OF MONT INC

Last

First

Middle Initial

Co-Owner or Other
Interest Owner

Last

First

Middle Initial

Address P.O. Box 1City Big Sky State Mont Zip Code 59716Home Phone No. 995-4211 Business Phone No. _____2. Person completing form Tout Raymond J

Last

First

Middle Initial

Address P.O. Box 806City Big Sky State Montana Zip Code 59716Home Phone No. 995-4304 Business Phone No. 995-4211

3. Use: (Check Only One)

FR ☐ Fish RacewaysGE ☐ GeothermalMN ☐ MiningFW ☐ Fish & WildlifeNV ☐ NavigationPG ☐ Power GenerationCM ☒ CommercialFP ☐ Fire ProtectionRC ☐ RecreationIN ☐ IndustrialAS ☐ Agricultural SprayingOT ☐ OtherMC ☐ MunicipalOF ☐ Oil Well Flooding

Explain _____

4. Source of Water: (Check Only One)

☐ Spring

Name _____

☒ WellName Mobil Home & Hidden Village☐ Stream

Name _____

Tributary of _____

☐ Lake

Name _____

Stream _____

Tributary of _____

☐ Reservoir

Name _____

Stream _____

Tributary of _____

5. Point of Diversion: County GallatinSW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 35, T 6 S, R 3 E

Lot _____, Block _____, Subdivision _____

6. Means of Diversion:

☒ Well☒ PumpCapacity 85 gpm☐ Headgate with ditch or pipeline☐ Instream use☐ Other

Explain _____

7. Means of Conveyance:

☐ Ditch☐ Instream☒ Pipeline☐ Other: _____

8. Place of Use: County Gallatin

☐ Instream ☐ City or Town ☐ Other: Explain _____
____ Lot, _____ Block, _____ 1/4 _____ 1/4 SW 1/4, Section 35, T 6 N/S, R 3 E/W
____ Lot, _____ Block, _____ 1/4 _____ 1/4 _____ 1/4, Section _____, T _____ N/S, R _____ E/W
____ Lot, _____ Block, _____ 1/4 _____ 1/4 _____ 1/4, Section _____, T _____ N/S, R _____ E/W
____ Lot, _____ Block, _____ 1/4 _____ 1/4 _____ 1/4, Section _____, T _____ N/S, R _____ E/W
____ Lot, _____ Block, _____ 1/4 _____ 1/4 _____ 1/4, Section _____, T _____ N/S, R _____ E/W

Subdivision _____

9. Flow rate claimed: 85

☐ cubic feet per second
☒ gallons per minute
☐ miner's inches

10. Volume claimed: 137 acre-feet per year

11. Period(s) of use: Jan 1 1 to DEC 31
Month Day Month Day

12. Check one:

☐ Decreed Water Right
☒ Filed Appropriation Right
☐ Use Water Right

Priority date or date of first use

8:00AM June 1 1 1971
Hour Month Day Year

13. Attach copies of the Decree, Record of Filing or Proof of Use Right.

14. DNRC Attach copies of aerial photographs, U.S. Geological Survey maps or such other documents necessary to show point of diversion, place of use, place of storage, and conveyance facilities.

15. Notarized Statement signed by claimant.

STATE OF MONTANA)

County of Gallatin)

:ss.

I, Raymond J. Lout, having been duly sworn, depose and say that I, being of legal age and being the claimant of this claim of existing water right, and the person whose name is signed to it as the claimant, know the contents of this claim and the matters and things stated there are true and correct.

Subscribed and sworn before me, this 13th day of March 19 82.

Eaine D. Deune
Notary Public for the State of Montana

Residing at Big Sky, MONTANA

My Commission expires 1/5/83

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

09/13/83

ABSTRACT OF CLAIM FOR EXISTING WATER RIGHTS

CLAIM ID. 41H -W-122634-00 PRIORITY DATE: * 08:00 04/01/1971 TYPE OF RIGHT: FILED CLAIM RECEIVED: 03/15/82 FEE PAID: \$40
 TYPE CODE: G MAX RATE: 85.00 G (MI) MAX VOLUME: 137.00 AF/YEAR MAX ACRES: 0.00

OWNERS: (M) C BIG SKY OF MONTANA BOX 1

BIG SKY MT 59716

SOURCES: WL 01 WELL

USE: CM 01 0.00 ACRES PERIOD OF USE 1999999999997

ACRES	VER.	ACRES	WRS	19	19	LOT BLK	QTR	SEC.	SEC.	TWP	RGE	CO	REMARKS
PARCELS: 001	0.00									SW	35	06S	03E GA
TOTAL	0.00												

ADDENDUMS: YES NO (DVS RSRV POU RMRK OWNRS) COMMENTS

SUPPLEMENTAL IF REF. RIGHT, MAX COMBINED VOLUME FOR ALL RIGHTS, AF MAX COMBINED ACRES FOR ALL RIGHTS

RIGHTS: IF SUPPLEMENTAL RIGHT, PURPOSE ID AND CLAIM ID OF REF. RIGHT

***** FIELD VERIFICATION FORM *****

COMPARISON STATISTICS: VOLUME BASED ON FLOW RATE AND PERIOD OF USE 138.267 AF/YR - OVER CLAIMED VOLUME

BASIN OK: YES NO COMMENTS

SOURCE NAME OK: YES NO (FROM: USGS TOPO MAP, WR SURVEY) COMMENTS

TYPE CD (S/G) OK: YES NO COMMENTS

POD OK: WL 01 YES NO APPEARS CORRECT UNVERIFIED (FROM: CLMNTS MAP GRID ON FLNG) COMMENTS

PROOF OF USE: CLAIMED FLOW RATE OK: YES NO NONE GIVEN COMMENTS

CLAIMED PRY DATE OK: YES NO COMMENTS FILING DATE 13 04/01/1971

FLOW RATE OK: YES NO COMMENTS

VOLUME OK: YES NO COMMENTS

PRIORITY DATE OK: YES NO (APPLIED LAST MONTH OF YR APPLIED LAST DAY OF MONTH) COMMENTS

PERIOD OF USE OK: YES NO COMMENTS

PR

SELECTED OTHER USE CLAIMS
BASIN 41H
ABSTRACT OF WATER RIGHT

WATER RIGHT NUMBER 41H -W-122634-00

OWNERS: BIG SKY OF MONTANA INC
PO BOX 1
BIG SKY MT 59716

PRIORITY DATE: APR 1, 1971

FLOW RATE: 85.00 GPM

VOLUME: 68.73 ACRE FEET PER YEAR

SOURCE: WELL

PURPOSE (USE): COMMERCIAL

PERIOD OF USE: JAN 1 TO DEC 31

POINTS OF DIVERSION AND MEANS OF DIVERSION:

LOT	BLK	QTR	SEC	SEC	TWP	RGE	COUNTY	
			SWSWNE	35	06S	03E	GALLATIN	WELL

PLACE OF USE FOR COMMERCIAL

ACRES	LOT	BLK	QTR	SEC	SEC	TWP	RGE	COUNTY
001			SW	35	06S	03E	GALLATIN	

REMARKS: SEE GENERAL FINDINGS OF FACT AND CONCLUSIONS OF LAW FOR FURTHER
DELINEATION OF THIS RIGHT.

State of Montana
Department of Natural Resources and Conservation
48 N. Last Chance Gulch • PO Box 201601 • Helena, Montana 59620-1601



Authorization to Change Appropriation Water Right

PURSUANT TO SECTION 85-2-402, MCA, APPLICATION TO CHANGE A WATER RIGHT
NO. 41H G(W)122634-00 SUBMITTED ON FEBRUARY 12, 1999 IS APPROVED.

OWNER: BIG SKY COUNTY WATER & SEWER DISTRICT #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716

WATER RIGHT: STATEMENT OF CLAIM

NUMBER: 41H W122634-00

PRIORITY DATE: APRIL 1, 1971

SOURCE: GROUNDWATER

USE: COMMERCIAL

HIDDEN VILLAGE NO. 1

ADDS DIVERSIONS:

MEADOW VILLAGE NO. 1

MEADOW VILLAGE NO. 2

MEADOW VILLAGE NO. 3

THE DEPARTMENT AUTHORIZES THE FOLLOWING CHANGES:

NEW PURPOSE: MUNICIPAL

NEW PLACE OF USE: S2 SEC 25, SEC 26, SEC 27, SEC 33, SE SEC 34, SEC 35, SEC 36 T06S R03E; N2 SEC 31, N2SW SEC 31 T06S R04E; SEC 1, NE SEC 2 T07S R03E, GALLATIN COUNTY

ADDITIONAL POINTS OF DIVERSION: SWSWNE SEC 36, SESENE SEC 36, S2 SENW SEC 36 T06S R03E, GALLATIN COUNTY

****WATER MEASUREMENT RECORDS REQUIRED:**

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW METER AT A POINT IN THE DELIVERY LINE APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN MONTHLY RECORD OF THE FLOW RATE AND VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CASE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE BOZEMAN WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE AND VOLUME.

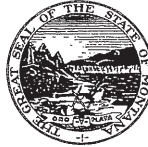
PROGRESS REPORT REQUIRED:

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. THE REPORTS MUST BE SENT TO THE BOZEMAN WATER RESOURCES REGIONAL OFFICE.

****ASSOCIATED REMARK:**

THIS CHANGE IS ASSOCIATED TO WTER RIGHT NOS. 41H P49666-00, 41H-P107416-00, 41H I069587-00 AND 41H W122635-00. THEY SHARE COMMON WELLS, WHICH ARE MANIFOLD INTO AN EXISTING SYSTEM, USED TO SUPPLY THE MEADOW VILLAGE/HIDDEN VILLAGE SERVICE AREA.

State of Montana
Department of Natural Resources and Conservation
48 N. Last Chance Gulch • PO Box 201601 • Helena, Montana 59620-1601



Authorization to Change Appropriation Water Right

****COMPLETION DEADLINE:**

THE DEADLINE TO COMPLETE THIS AUTHORIZATION AND FILE A NOTICE OF COMPLETION OF CHANGE OF APPROPRIATION WATER RIGHT (FORM 618) IS DECEMBER 31, 2015. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, AT LEAST THIRTY DAYS BEFORE DECEMBER 31, 2015. OTHERWISE, THE AUTHORIZATION IS VOID.

****CONDITIONAL APPROVAL**

THE APPROVAL OF THIS CHANGE IS NOT BE CONSTRUED AS RECOGNITION BY THE DEPARTMENT OF THE WATER RIGHTS INVOLVED. ALL WATER RIGHTS ARE SUBJECT TO POSSIBLE MODIFICATION UNDER THE PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, MCA, AND 85-2-404, MCA.

FAILURE TO COMPLY WITH ANY OF THESE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THIS AUTHORIZATION TO CHANGE

WITNESS

Jon R. Mack

Scott Compton
WATER RESOURCES DIVISION AUGUST 28, 2000

NOTICE OF ACTION FOR EXTENSION OF TIME

BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

PROVISIONAL PERMIT/CHANGE AUTHORIZATION NUMBERS:

41H 12263500	(Change Authorization)
41H 107416-00	(Provisional Permit)
41H 30026963	(Change Authorization)
41H 6167399	(Change Authorization)
41H 12263499	(Change Authorization)

APPROVED

The requests for additional time to complete these projects are approved because the appropriator has shown diligence in completing the projects or shown good cause for not completing the projects.

The notice of completion deadlines are extended to **December 31, 2033**.

PROGRESS REPORTS DUE: Currently Required (See Extension of Time Decision)



Water Resources Regional Office

2/17/16

Date

NOTICE

*Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601*



HIDDEN VILLAGE NO. 2

PROVISIONAL PERMIT NO: 41H 61673 00
COMPLETION DATE: 12/31/2033

This permit was approved in 1987 for 116 gpm and 90 acre-feet per year from Hidden Village No. 2, as the sole point of diversion, which remains the only diversion on the right to-date. It was transferred to the District in 1999. The District subsequently filed a change application to change the use to Municipal and also to modify the Place of Use. Extension of time to complete the right was also filed by the District in 2015, and is approved for 12/31/2033.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 61673-00 PROVISIONAL PERMIT
Version: 2 -- CHANGE AUTHORIZATION

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: OCTOBER 21, 1986 at 01:41 P.M.

Enforceable Priority Date: OCTOBER 21, 1986 at 01:41 P.M.

Purpose (use): MUNICIPAL

Maximum Flow Rate: 116.00 GPM

Maximum Volume: 90.00 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SWNWSW	35	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Purpose (Use): MUNICIPAL

Volume: 90.00 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			S2	25	6S	3E	GALLATIN
2				26	6S	3E	GALLATIN
3				27	6S	3E	GALLATIN
4				33	6S	3E	GALLATIN
5			SE	34	6S	3E	GALLATIN
6				35	6S	3E	GALLATIN
7				36	6S	3E	GALLATIN
8			N2	31	6S	4E	GALLATIN
9			N2SW	31	6S	4E	GALLATIN
10				1	7S	3E	GALLATIN
11			NE	2	7S	3E	GALLATIN

Remarks:

ASSOCIATED RIGHT

THE CHANGE IS ASSOCIATED TO WATER RIGHT NUMBERS: 41H P49666-00, 41H P107416, 41H I069587-00, 41H W 122634-00, AND 41H W122635-00. THIS IS MANIFOLD INTO AN EXISTING SYSTEM, USED TO SUPPLY THE MEADOW VILLAGE/HIDDEN VILLAGE SERVICE AREA.

GROUNDWATER WASTE & CONTAMINATION

THIS RIGHT IS SUBJECT TO SECTION 85-2-505, MCA, REQUIRING A WELL BE CONSTRUCTED SO IT WILL NOT ALLOW WATER TO BE WASTED OR CONTAMINATE OTHER WATER SUPPLIES OR SOURCES, AND A FLOWING WELL MUST BE CAPPED OR EQUIPPED SO THE FLOW OF THE WATER MAY BE STOPPED WHEN NOT BEING PUT TO BENEFICIAL USE.

GROUNDWATER WELL - ACCESS PORT

THE FINAL COMPLETION OF THE WELL(S) MUST INCLUDE AN ACCESS PORT OF AT LEAST .50 INCH SO THE STATIC LEVEL OF THE WELL MAY BE ACCURATELY MEASURED.

CHANGE AUTHORIZATION REMARKS

AUTHORIZATION TO CHANGE THE PLACE OF USE, PURPOSE OF USE ISSUED 08/28/00. NOTICE OF COMPLETION DUE 12/31/15 . SEE 41H-G(P)061763-00 .

IMPORTANT INFORMATION

THIS PERMIT WILL BE USED IN CONJUNCTION WITH STATEMENT OF CLAIM NO. 122634-41H.

Remarks:

WATER MEASUREMENT-INLINE FLOW METER REQUIRED

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW METER AT A POINT IN THE DELIVERY LINE APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN MONTHLY RECORD OF THE FLOW RATE AND VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE AND VOLUME ACCURATELY.

WATER MEASUREMENT - ANNUAL DATA

MEASUREMENT DATA: 1998 00000.00 GPM 00000.00 AC-FT

WATER MEASUREMENT INFORMATION (OLD)

THE APPROPRIATOR SHALL KEEP A WRITTEN RECORD OF THE FLOW RATE AND VOLUME OF ALL WATERS DIVERTED, INCLUDING THE PERIOD OF TIME, AND SHALL SUBMIT SAID RECORDS UPON REQUEST TO THE WATER RESOURCES REGIONAL OFFICE LISTED BELOW. BOZEMAN, MT PH: 406-586-3136 FAX: 406-587-9726

WATER MEASUREMENT INFORMATION (OLD)

THE APPROPRIATOR SHALL INSTALL AN ADEQUATE FLOW METERING DEVICE TO ALLOW THE FLOW RATE AND VOLUME OF WATER DIVERTED TO BE RECORDED.

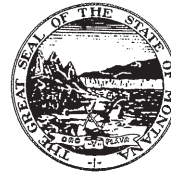
PROGRESS REPORT REQUIRED

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. THE REPORTS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE.

OWNERSHIP UPDATE RECEIVED

NOTICE OF WATER RIGHT TRANSFER RECEIVED 03/05/99.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1520 EAST SIXTH AVENUE HELENA, MONTANA 59620



Permit to Appropriate Water

THIS PROVISIONAL PERMIT TO APPROPRIATE WATER IS HEREBY ISSUED TO:

LONE MOUNTAIN SPRINGS WATER UTILITY
PO BOX 1
BIG SKY MT 59716

HIDDEN VILLAGE NO. 2

UPON FINDING THAT THE REQUIREMENTS OF SECTION 85-2-311 MCA HAVE BEEN MET.

PERMIT NUMBER: 61673-G41H

PRIORITY DATE: OCTOBER 21, 1986 AT 1:41 P.M.

SOURCE: GROUNDWATER WELL

TOTAL FLOW RATE: 116.00 GPM

TOTAL VOLUME: 90.00 ACRE FEET PER YEAR

DIVERSION POINT: SWNWSW SEC. 35 TWP. 06S RGE. 03E GALLATIN CO

USE: 116.00 GPM UP TO 90.00 AC-FT (JAN 01 - DEC 31)
FOR COMMERCIAL

PLACE OF USE: SW SEC. 35 TWP. 06S RGE. 03E GALLATIN CO
FOR COMMERCIAL

DIVERSION MEANS: PUMP

**** REQUIREMENTS FOR PERMIT HOLDER:**

THE DEADLINE FOR COMPLETION OF THIS PERMIT, AND FILING OF THE NOTICE OF COMPLETION OF PERMITTED WATER DEVELOPMENT (FORM 617) SHALL BE NOVEMBER 30, 1991, VERIFYING THAT THE APPROPRIATION OF WATER HAS BEEN COMPLETED AS PERMITTED.

**** PRIOR RIGHTS:**

THIS PERMIT IS SUBJECT TO ALL PRIOR EXISTING WATER RIGHTS IN THE SOURCE OF SUPPLY. FURTHER, THIS PERMIT IS SUBJECT TO ANY FINAL DETERMINATION OF EXISTING WATER RIGHTS, AS PROVIDED BY MONTANA LAW.

**** CONTAMINATION, FLOWING WELLS:**

THIS PERMIT IS SUBJECT TO SECTION 85-2-505, MCA, REQUIRING THAT ALL WELLS BE CONSTRUCTED SO THEY WILL NOT ALLOW WATER TO BE WASTED, OR CONTAMINATE OTHER WATER SUPPLIES OR SOURCES, AND ALL FLOWING WELLS SHALL BE CAPPED OR EQUIPPED SO THE FLOW OF WATER MAY BE STOPPED WHEN NOT BEING PUT TO BENEFICIAL USE.

**** MEASURING DEVICE:**

THIS PERMIT IS SUBJECT TO THE CONDITION THAT THE PERMITTEE SHALL INSTALL AN ADEQUATE FLOW METERING DEVICE IN ORDER TO ALLOW THE FLOW RATE AND VOLUME OF WATER DIVERTED TO BE RECORDED. THE PERMITTEE SHALL KEEP A WRITTEN RECORD OF THE FLOW RATE AND VOLUME OF ALL WATERS DIVERTED, INCLUDING THE PERIOD OF TIME, AND SHALL SUBMIT SAID RECORDS TO THE DEPARTMENT UPON REQUEST.

**** PROGRESS REPORT:**

THIS PERMIT IS SUBJECT TO THE PERMITTEE SUBMITTING A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS PERMIT BY NOVEMBER 30 OF EACH YEAR TO THE WATER RIGHTS BUREAU FIELD OFFICE, 1201 EAST MAIN, BOZEMAN MT 59715.

**** FURTHER INFORMATION:**

THIS PERMIT WILL BE USED IN CONJUNCTION WITH STATEMENT OF CLAIM NO. 122634-41H.

FAILURE TO COMPLY WITH ANY TERMS AND CONDITIONS HEREIN MAY RESULT IN THE LOSS OF THE WATER RIGHT GRANTED BY THIS PERMIT.

**** TRANSFER OF OWNERSHIP:**

UPON A CHANGE IN OWNERSHIP OF ALL OR ANY PORTION OF THIS PERMIT, THE PARTIES TO THE TRANSFER SHALL FILE WITH THE DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION A WATER RIGHT TRANSFER CERTIFICATE, FORM 608, PURSUANT TO SECTION 85-2-424, MCA.

WITNESS

ADMINISTRATIVE ASST: RONALD J GUSE

DATE: MARCH 31, 1987 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION

State of Montana
Department of Natural Resources and Conservation
48 N. Last Chance Gulch • PO Box 201601 • Helena, Montana 59620-1601



Authorization to Change Appropriation Water Right

PURSUANT TO SECTION 85-2-402, MCA, APPLICATION TO CHANGE A WATER RIGHT NO. 41H G(P)061673-00 SUBMITTED ON FEBRUARY 12, 1999 IS APPROVED.

OWNER: BIG SKY COUNTY WATER & SEWER DISTRICT #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716

WATER RIGHT: PERMIT TO APPROPRIATE WATER

NUMBER: 41H P061673-00

PRIORITY DATE: OCTOBER 21, 1986

SOURCE: GROUNDWATER

USE: COMMERCIAL

THE DEPARTMENT AUTHORIZES THE FOLLOWING CHANGES:

NEW PURPOSE: MUNICIPAL

NEW PLACE OF USE: S2 SEC 25, SEC 26, SEC 27, SEC 33, SE SEC 34, SEC 35, SEC 36 T06S R03E; N2 SEC 31, N2SW SEC 31 T06S R04E; SEC 1, NE SEC 2 T07S R03E, GALLATIN COUNTY

****ASSOCIATED REMARK:**

THE CHANGE IS ASSOCIATED TO WATER RIGHT NUMBERS: 41H P49666-00, 41H P107416, 41H I069587-00, 41H W122634-00, AND 41H W122635-00. THIS IS MANIFOLD INTO AN EXISTING SYSTEM, USED TO SUPPLY THE MEADOW VILLAGE/HIDDEN VILLAGE SERVICE AREA.

****COMPLETION DEADLINE:**

THE DEADLINE TO COMPLETE THIS AUTHORIZATION AND FILE A NOTICE OF COMPLETION OF CHANGE OF APPROPRIATION WATER RIGHT (FORM 618) IS DECEMBER 31, 2015. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, AT LEAST THIRTY DAYS BEFORE DECEMBER 31, 2015. OTHERWISE, THE AUTHORIZATION IS VOID.

****WATER MEASUREMENT RECORDS REQUIRED:**

APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW METER AT A POINT IN THE DELIVERY LINE APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN MONTHLY RECORD OF THE FLOW RATE AND VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CASE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE BOZEMAN WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE AND VOLUME

State of Montana
Department of Natural Resources and Conservation
48 N. Last Chance Gulch • PO Box 201601 • Helena, Montana 59620-1601



Authorization to Change Appropriation Water Right

****PROGRESS REPORT REQUIRED:**

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. THE REPORTS MUST BE SENT TO THE BOZEMAN WATER RESOURCES REGIONAL OFFICE.

****CONDITIONAL APPROVAL**

THE APPROVAL OF THIS CHANGE IS NOT BE CONSTRUED AS RECOGNITION BY THE DEPARTMENT OF THE WATER RIGHTS INVOLVED. ALL WATER RIGHTS ARE SUBJECT TO POSSIBLE MODIFICATION UNDER THE PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, MCA, AND 85-2-404, MCA.

FAILURE TO COMPLY WITH ANY OF THESE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THIS AUTHORIZATION TO CHANGE.

WITNESS

Jan R. Mack

Scott Compton
WATER RESOURCES DIVISION AUGUST 28, 2000

NOTICE OF ACTION FOR EXTENSION OF TIME

BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

PROVISIONAL PERMIT/CHANGE AUTHORIZATION NUMBERS:

41H 12263500	(Change Authorization)
41H 107416-00	(Provisional Permit)
41H 30026963	(Change Authorization)
41H 6167399	(Change Authorization)
41H 12263499	(Change Authorization)

APPROVED

The requests for additional time to complete these projects are approved because the appropriator has shown diligence in completing the projects or shown good cause for not completing the projects.

The notice of completion deadlines are extended to **December 31, 2033**.

PROGRESS REPORTS DUE: Currently Required (See Extension of Time Decision)



Water Resources Regional Office

2/17/16

Date

NOTICE

*Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601*



LONE MOOSE NOS. 1, 2

PROVISIONAL PERMIT NO: 41H 115506 00
COMPLETION DATE: 12/31/2032

This permit was approved for 190 gpm and 201.70 acre-feet per year from the two wells listed as diversions and for Multiple Domestic use. Ownership was transferred to the District in 2003. The District filed for extension of time which was approved for 12/31/2032.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 115506-00 PROVISIONAL PERMIT
Version: 1 -- ORIGINAL RIGHT

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363 LONE MOOSE NOS. 1. 2
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: APRIL 4, 2001 at 04:20 P.M.

Enforceable Priority Date: APRIL 4, 2001 at 04:20 P.M.

Purpose (use): MULTIPLE DOMESTIC

Maximum Flow Rate: 190.00 GPM

Maximum Volume: 201.70 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NESW	28	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 100.00 FEET

Static Water Level: 12.00 FEET

Casing Diameter: 8.00 INCHES

Pump Size: 20.00 HP

2		NESW	28	6S	3E	GALLATIN
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Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 100.00 FEET

Static Water Level: 29.00 FEET

Casing Diameter: 8.00 INCHES

Pump Size: 20.00 HP

Reservoir: OFF STREAM

<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
NESENW		28	6S	3E	GALLATIN

Current Capacity: 1.38 ACRE-FEET

Purpose (Use): MULTIPLE DOMESTIC

Households:

Volume: 201.70 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			NESW	28	6S	3E	GALLATIN

Remarks:

OWNERSHIP UPDATE RECEIVED

OWNERSHIP UPDATE TYPE 608 # 11374 RECEIVED 11/10/2003.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
48 NORTH LAST CHANCE GULCH P.O.BOX 201601 HELENA, MONTANA 59620-1601

PERMIT TO APPROPRIATE WATER

UPON FINDING THE REQUIREMENTS OF SECTION 85-2-301, MCA, HAVE BEEN MET, THIS PROVISIONAL PERMIT IS GRANTED.

Water Right Number: 41H 115506 00 PROVISIONAL PERMIT
Version: 1 -- ORIGINAL RIGHT
Status: ACTIVE

LONE MOOSE NOS. 1, 2

Owners: LONE MOOSE MEADOWS LLC
1000 LONE MOOSE DR
BIG SKY, MT 59716

Priority Date: APRIL 4, 2001 at 04:20 P.M.

Purpose (use): MULTIPLE DOMESTIC

Maximum Flow Rate: 190.00 GPM

Maximum Volume: 201.70 AC-FT

Source: Source Name: GROUNDWATER

Point of Diversion and Means of Diversion:

ID	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1		NESW	28	6S	3E	GALLATIN

Diversion Means: WELL

Well Depth: 100.00 FEET

Static Water Level: 12.00 FEET

Casing Diameter: 8.00 INCHES

Pump Size: 20.00 HP

2		NESW	28	6S	3E	GALLATIN
---	--	------	----	----	----	----------

Diversion Means: WELL

Well Depth: 100.00 FEET

Static Water Level: 29.00 FEET

Casing Diameter: 8.00 INCHES

Pump Size: 20.00 HP

Period of Diversion: JANUARY 1 to DECEMBER 31

Reservoir: OFF STREAM

Govt Lot	Qtr Sec	Sec	Twp	Rge	County
	NESENW	28	6S	3E	GALLATIN

Current Capacity: 1.38 ACRE-FEET

Purpose (Use): MULTIPLE DOMESTIC

Households:

Volume: 201.70 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1			NESW	28	6S	3E	GALLATIN

COMPLETION DEADLINE

THE DEADLINE TO COMPLETE THIS PERMIT AND FILE A PROJECT COMPLETION NOTICE (FORM 617) IS DECEMBER 31, 2012. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, BY DECEMBER 31, 2012. OTHERWISE, THE PERMIT IS VOID.

BACKFLOW PREVENTOR

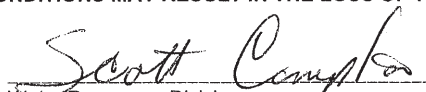
PURSUANT TO SECTION 85-2-505, MCA, TO PREVENT GROUND WATER CONTAMINATION, AN OPERATIONAL BACKFLOW PREVENTOR MUST BE INSTALLED AND MAINTAINED BY THE APPROPRIATOR IF A CHEMICAL OR FERTILIZER DISTRIBUTION SYSTEM IS CONNECTED TO THE WELL.

IF THE OWNERSHIP CHANGES ON ANY PORTION OF OR ALL OF THIS RIGHT, A WATER RIGHT OWNERSHIP UPDATE, FORM #608, MUST BE FILED WITH THE DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION.

THIS PROVISIONAL PERMIT IS SUBJECT TO ALL PRIOR EXISTING WATER RIGHTS IN THE
SOURCE OF SUPPLY. FURTHER, THIS PERMIT IS SUBJECT TO ANY FINAL
DETERMINATION OF EXISTING WATER RIGHTS,
AS PROVIDED BY MONTANA LAW.

FAILURE TO COMPLY WITH ANY OF THESE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THIS
PROVISIONAL PERMIT.


Witness Signature


Water Resources Division

DATE ISSUED: April 11, 2002



NOTICE OF ACTION FOR EXTENSION OF TIME

Big Sky Water & Sewer District No. 363
%Ron Edwards
PO Box 160670
Big Sky, MT 59716

PROVISIONAL PERMIT/AUTHORIZATION NUMBER:

41H 115506-00

APPROVED

The request for additional time to complete this project is approved because the appropriator has shown diligence in completing the project or shown good cause for not completing the project.

The notice of completion deadline is extended to December 31, 2032.

PROGRESS REPORT DUE: NONE

K. E.

3/26/13

Water Resources Regional Office

NOTICE

*Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601*



ASPEN GROVES NOS. 2, 3

PROVISIONAL PERMIT NO: 41H 100681 00
COMPLETION DATE: 12/31/2032

This permit was filed in 1999 for 50 gpm and 33.52 acre-feet per year from two wells for Lawn & Garden, Multiple Domestic, and Fire Protection. The wells are referred to as Aspen Groves Nos. 2 and 3. Water rights were transferred to the District in 2006. The District filed for extension of time and was approved for completion by 12/31/2032.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

ASPEN GROVE NOS. 2, 3

Water Right Number: 41H 100681-00 PROVISIONAL PERMIT

Version: 1 -- ORIGINAL RIGHT

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: MAY 13, 1997 at 12:53 P.M.

Enforceable Priority Date: MAY 13, 1997 at 12:53 P.M.

Purpose (use): LAWN AND GARDEN
MULTIPLE DOMESTIC
OTHER PURPOSE
FIRE PROTECTION

Maximum Flow Rate: 50.00 GPM

Maximum Volume: 33.52 AC-FT

Maximum Acres: 3.06

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SWSWSE	34	6S	3E	GALLATIN

Period of Diversion: MAY 1 TO OCTOBER 15

Diversion Means: WELL

Well Depth: 180.00 FEET

Static Water Level: 71.00 FEET

Casing Diameter: 6.00 INCHES

Pump Size: 2.00 HP

2		SWSWSE	34	6S	3E	GALLATIN
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Period of Diversion: MAY 1 TO OCTOBER 15

Diversion Means: WELL

Well Depth: 340.00 FEET

Static Water Level: 68.00 FEET

Casing Diameter: 6.00 INCHES

Pump Size: 3.00 HP

Purpose (Use): LAWN AND GARDEN

Irrigation Type: SPRINKLER

Volume: 3.06 AC-FT

Period of Use: MAY 1 to OCTOBER 15

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1	3.06		SE	34	6S	3E	GALLATIN

Total: 3.06

Purpose (Use): MULTIPLE DOMESTIC

Households: 89

Volume: 29.91 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SE	34	6S	3E	GALLATIN

Purpose (Use): OTHER PURPOSE

Volume: 0.55 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SE	34		6S	3E	GALLATIN

Remarks:

WATER MEASUREMENT-INLINE FLOW METER REQUIRED

THE APPROPRIATOR SHALL INSTALL AN IN-LINE FLOW METER APPROVED BY THE REGIONAL MANAGER AT A POINT IN THE DELIVERY LINE APPROVED BY THE REGIONAL OFFICE TO RECORD THE FLOW RATE AND VOLUME OF WATER DIVERTED. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP YEARLY WRITTEN RECORDS OF THE FLOW RATE AND VOLUME MEASUREMENTS AND SHALL SUBMIT THE RECORDS BY NOVEMBER 30 OF EACH YEAR. THE REGIONAL MANAGER MAY ALSO REQUEST MEASUREMENT RECORDS AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OR MODIFICATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE ACCURATELY. 151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715 PH: 406-586-3136 FAX: 406-587-9726

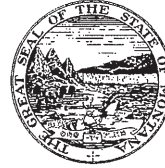
PROGRESS REPORT REQUIRED

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. SUBMIT REPORTS TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW. 151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715 PH: 406-586-3136 FAX: 406-587-9726

OWNERSHIP UPDATE RECEIVED

OWNERSHIP UPDATE TYPE 608 # 968 RECEIVED 02/04/2002.
OWNERSHIP UPDATE TYPE 608 # 30963 RECEIVED 03/01/2006.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
48 NORTH LAST CHANCE GULCH P.O. BOX 201601 HELENA, MONTANA 59620-1601



Permit to Appropriate Water

THIS PROVISIONAL PERMIT TO APPROPRIATE WATER IS ISSUED TO:

JOHN M RADICK
PO BOX 160011
BIG SKY MT 59716

ASPEN GROVE NOS. 2, 3

UPON FINDING THAT THE REQUIREMENTS OF SECTION 85-2-311 MCA
HAVE BEEN MET.

PERMIT NUMBER: 100681-41H

PRIORITY DATE: MAY 13, 1997 AT 12:53 P.M.

SOURCE: GROUNDWATER

DIVERSION: MEANS: WELL

PERIOD OF DIVERSION: 01/01-12/31
SWSWSE SEC. 34 TWP. 06S RGE. 03E GALLATIN CO

MEANS: WELL

PERIOD OF DIVERSION: 01/01-12/31
SWSWSE SEC. 34 TWP. 06S RGE. 03E GALLATIN CO

TOTAL FLOW RATE: 50.00 GPM

TOTAL VOLUME: 33.52 ACRE FEET PER YEAR

USE: 50.00 GPM UP TO 3.06 AC-FT (05/01-10/15)
FOR LAWN AND GARDEN ON 3.06 ACRES

50.00 GPM UP TO 29.91 AC-FT (01/01-12/31)
FOR MULTIPLE DOMESTIC

UP TO .55 AC-FT (01/01-12/31)
FOR FIRE PROTECTION

PLACE OF USE: SE SEC. 34 TWP. 06S RGE. 03E GALLATIN CO
FOR LAWN AND GARDEN ON 3.06 ACRES

SE SEC. 34 TWP. 06S RGE. 03E GALLATIN CO
FOR MULTIPLE DOMESTIC

SE SEC. 34 TWP. 06S RGE. 03E GALLATIN CO
FOR FIRE PROTECTION

**** COMPLETION DEADLINE:**

THE DEADLINE TO COMPLETE THIS PERMIT AND FILE A NOTICE OF COMPLETION
OF PERMITTED WATER DEVELOPMENT (FORM 617) IS DECEMBER 31, 2012.
IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR
EXTENSION OF TIME, AT LEAST THIRTY DAYS BEFORE DECEMBER 31, 2012.
OTHERWISE, THE PERMIT IS VOID.

**** PRIOR RIGHTS:**

THIS PERMIT IS SUBJECT TO ALL PRIOR EXISTING WATER RIGHTS IN THE SOURCE
OF SUPPLY. FURTHER; THIS PERMIT IS SUBJECT TO ANY FINAL DETERMINATION
OF EXISTING WATER RIGHTS, AS PROVIDED BY MONTANA LAW.

**** BACKFLOW PREVENTOR:**

PURSUANT TO SECTION 85-2-505, MCA, TO PREVENT
GROUNDWATER CONTAMINATION, AN OPERATIONAL BACK FLOW
PREVENTOR MUST BE INSTALLED AND MAINTAINED BY THE
APPROPRIATOR IF A CHEMICAL OR FERTILIZER DISTRIBUTION
SYSTEM IS CONNECTED TO THE WELL.

**** WATER MEASUREMENT RECORDS REQUIRED:**

THE APPROPRIATOR SHALL INSTALL AN IN-LINE FLOW METER
APPROVED BY THE REGIONAL MANAGER AT A POINT IN THE
DELIVERY LINE APPROVED BY THE REGIONAL OFFICE TO
RECORD THE FLOW RATE AND VOLUME OF WATER DIVERTED.
WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED
MEASURING DEVICE IS IN PLACE AND OPERATING. ON A
FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR
SHALL KEEP YEARLY WRITTEN RECORDS OF THE FLOW RATE
AND VOLUME MEASUREMENTS AND SHALL SUBMIT THE RECORDS

CONTINUED

FILMED

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
48 NORTH LAST CHANCE GULCH P.O. BOX 201601 HELENA, MONTANA 59620-1601



Permit to Appropriate Water

PERMIT NUMBER: 100681-41H

PAGE 2

BY NOVEMBER 30 OF EACH YEAR. THE REGIONAL MANAGER MAY ALSO REQUEST MEASUREMENT RECORDS AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OR MODIFICATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW.

THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE ACCURATELY.

151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715
PH: 406-586-3136 FAX: 406-587-9726

**** PROGRESS REPORT:**

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. SUBMIT REPORTS TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW.

151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715
PH: 406-586-3136 FAX: 406-587-9726

**** TRANSFER OF OWNERSHIP:**

UPON A CHANGE IN OWNERSHIP OF ALL OR ANY PORTION OF THIS PERMIT, THE PARTIES TO THE TRANSFER SHALL FILE WITH THE DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION A WATER RIGHT TRANSFER CERTIFICATE, FORM 608, PURSUANT TO SECTION 85-2-424, MCA.

FAILURE TO COMPLY WITH ANY OF THE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THE WATER RIGHT GRANTED BY THIS PERMIT.

WITNESS

Jan R. Mack

Scott Compton
WATER RESOURCES REGIONAL MANAGER

DATE: SEPTEMBER 03, 1997 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION

FILMED

NOTICE OF ACTION FOR EXTENSION OF TIME

Big Sky Water & Sewer District No. 363
%Ron Edwards
PO Box 160670
Big Sky, MT 59716

PROVISIONAL PERMIT/AUTHORIZATION NUMBER:

41H 100681-00

APPROVED

The request for additional time to complete this project is approved because the appropriator has shown diligence in completing the project or shown good cause for not completing the project.

The notice of completion deadline is extended to December 31, 2032.

PROGRESS REPORT DUE: November 30, 2013

 3/26/13

Water Resources Regional Office

NOTICE

Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601



MOUNTAIN VILLAGE NO. 1

STATEMENT OF CLAIM NO: 41H 122636 00
COMPLETION DATE: January 30, 1974

This statement of claim was filed in 1982 for 240 gpm and 387 acre-feet per year of Commercial use from the listed diversion, now colloquially named Mountain Village No. 1. The right was verified in ca. 1983 without changes. DNRC reexamined the right and reduced the volume to 194.06 acre-feet in ca. 1985. The volume of this right was subsequently rolled into Permit 41H 100737 00 (see this right below) at the request of the Applicant (Boyne USA, Inc.). The right was transferred to the District in 1999. The completion date for claims cannot be extended.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 122636-00 STATEMENT OF CLAIM
Version: 3 -- POST DECREE

MOUNTAIN VILLAGE NO. 1

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: JANUARY 30, 1974

Enforceable Priority Date: JANUARY 30, 1974

Type of Historical Right: USE

Purpose (use): COMMERCIAL

Maximum Flow Rate: 240.00 GPM

Maximum Volume: 194.06 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SW	SE	19	6S	3E	MADISON

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Subdivision: CASCADE SUBD (BIG SKY) BLOCK: 001

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SE	19	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 001					
2			NW	29	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 006					
3			NE	30	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 006					
4			NE	30	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY)					

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME PLACE OF USE.

100737-00 122636-00 122637-00 133733-00

NOTICE OF WATER RIGHT TRANSFER RECEIVED 01/20/94.

NOTICE OF WATER RIGHT TRANSFER RECEIVED 03/05/99.

122636

STATEMENT OF CLAIM FOR EXISTING WATER RIGHTS

MAR 15 1982

OTHER USES

For the Water Courts of the State of Montana

MONTANA D.N.R.C.
BOZEMAN FIELD OFFICE

1. Owner of Water Right BIG SKY OF MONTANA INC
 Last First Middle Initial

Co-Owner or Other
Interest Owner

Last

First

Middle Initial

Address PO BOX 1City BIG SKY State MONTANA Zip Code 59716Home Phone No. Business Phone No. 995-4211

2. Person completing form TOUT RAYMOND J
 Last First Middle Initial

Address P.O. BOX 806City BIG SKY State MONTANA Zip Code 59716Home Phone No. 995-4304 Business Phone No. 995-4211

3. Use: (Check Only One)

FR ☐ Fish RacewaysGE ☐ GeothermalMN ☐ MiningFW ☐ Fish & WildlifeNV ☐ NavigationPG ☐ Power GenerationCM ☒ CommercialFP ☐ Fire ProtectionRC ☐ RecreationIN ☐ IndustrialAS ☐ Agricultural SprayingOT ☐ OtherMC ☐ MunicipalOF ☐ Oil Well Flooding

Explain _____

4. Source of Water: (Check Only One)

☐ Spring

Name _____

☒ WellName HILL☐ Stream

Name _____

Tributary of _____

☐ Lake

Name _____

Stream _____

Tributary of _____

☐ Reservoir

Name _____

Stream _____

Tributary of _____

5. Point of Diversion: County Madison

SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 19, T 6 S, R 3 E

Lot _____, Block 1, Subdivision CASCADE

6. Means of Diversion:

☒ Well☒ PumpCapacity 240 gpm☐ Headgate with ditch or pipeline☐ Instream use☐ Other

Explain _____

7. Means of Conveyance:

☐ Ditch☐ Instream☒ Pipeline☐ Other: _____

8. Place of Use: County MADISON

☐ Instream ☐ City or Town ☒ Other: Explain RESORT

Lot, 1 Block, 1/4 SE 1/4, Section 19, T 6 N/S, R 3 E/W

Lot, 6 Block, 1/4 NW 1/4, Section 29, T 6 N/S, R 3 E/W

Lot, 6 Block, 1/4 NE 1/4, Section 30, T 6 N/S, R 3 E/W

Lot, Block, 1/4 NE 1/4, Section 30, T 6 N/S, R 3 E/W

Lot, Block, 1/4 1/4, Section , T N/S, R E/W

Subdivision CASCADE

9. Flow rate claimed: 240 ☐ cubic feet per second
☒ gallons per minute
☐ miner's inches

10. Volume claimed: 387 acre-feet per year

11. Period(s) of use: JAN / 1 to DEC / 31
Month Day Month Day

12. Check one: ☐ Decreed Water Right
☐ Filed Appropriation Right
☒ Use Water Right

Priority date or date of first use
8:00AM Oct / 1 / 1972
Hour Month Day Year

13. Attach copies of the Decree, Record of Filing or Proof of Use Right.

14. Attach copies of aerial photographs, U.S. Geological Survey maps or such other documents necessary to show point of diversion, place of use, place of storage, and conveyance facilities.

15. Notarized Statement signed by claimant.

STATE OF MONTANA

County of Madison

I, Raymond J. Lout, having been duly sworn, depose and say that I, being of legal age and being the claimant of this claim of existing water right, and the person whose name is signed to it as the claimant, know the contents of this claim and the matters and things stated there are true and correct.

Subscribed and sworn before me, this 7th day of March 19 82

Gene A. Deune
Notary Public for the State of Montana

Residing at Big Sky, Montana

My Commission expires 1/15/83

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

09/13/83

ABSTRACT OF CLAIM FOR EXISTING WATER RIGHTS

CLAIM ID 41H-W-122636-00 PRIORITY DATE: 08:00 01/30/1974

CLAIM RECEIVED: 03/15/82 FEE PAID: \$40

TYPE CODE: G MAX RATE: 240.00 G (MI) MAX VOLUME: 387.00 AF/YEAR

MAX ACRES: 0.00

OWNERS: (M) C BIG SKY OF MONTANA BOX 1

BIG SKY MT 59716

SOURCES: WL 01 WELL LOT BLK QTR SEC SEC TWP RGE CO

001 SWSESE 19 06S 03E MA YIELD RATE 240 G

USE: CM 01 0.00 ACRES PERIOD OF USE 1999999999997

ACRES VER. ACRES WRS 19 19 LOT BLK QTR SEC SEC TWP RGE CO

PARCELS: 001 0.00 001 SE 19 06S 03E MA

002 0.00 006 NW 29 06S 03E MA

003 0.00 006 NE 30 06S 03E MA

004 0.00 006 NE 30 06S 03E MA

TOTAL 0.00

REMARKS

REMARKS: SB 01 MA-CASCADE

ADDENDUMS: YES NO (DVR) RSRV POU RMRK OWNERS COMMENTS

SUPPLEMENTAL IF REF. RIGHT, MAX COMBINED VOLUME FOR ALL RIGHTS . . . AF MAX COMBINED ACRES FOR ALL RIGHTS . . .

RIGHTS: IF SUPPLEMENTAL RIGHT, PURPOSE ID . . . AND CLAIM ID . . . OF REF. RIGHT

***** FIELD VERIFICATION FORM ***** OVER CLAIMED VOLUME *****

COMPARISON STATISTICS: VOLUME BASED ON FLOW RATE AND PERIOD OF USE 390.400 AF/YR

BASIN OK: YES NO COMMENTS

SOURCE NAME OK: YES NO (FROM: USGS TOPO MAP)

TYPE CD (S/G) OK: YES NO COMMENTS

POD OK: WL 01 YES NO APPEARS CORRECT UNVERIFIED (FROM: CLMNTS MAP GRID ON FLNG) COMMENTS FILM IS NENE 30

Box

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

09/13/83

ABSTRACT OF CLAIM FOR EXISTING WATER RIGHTS

CLAIM ID 43H-W-122636-00 (CONTINUED)

PROOF OF USE: CLAIMED FLOW RATE OK: ☒ YES ☐ NO ☐ NONE GIVEN COMMENTS

CLAIMED PRY DATE OK: ☒ YES ☐ NO COMMENTS GW2 FILING DATE IS 01/30/74

FLOW RATE OK: ☒ YES ☐ NO COMMENTS

VOLUME OK: ☒ YES ☐ NO COMMENTS

PRIORITY DATE OK: ☒ YES ☐ NO (APPLIED LAST MONTH OF YR APPLIED LAST DAY OF MONTH) COMMENTS

PERIOD OF USE OK: ☒ YES ☐ NO COMMENTS

AIR PHOTO VERIFICATION OF DEVELOPMENT: PHOTO none PHOTO DATE

PHOTO PHOTO DATE

PHOTO PHOTO DATE

TELEPHONE CONTACT: ☐ YES ☒ NO DATE COMPLETED 1/1 BY COMMENTS

LETTER CONTACT: ☐ YES ☒ NO DATE COMPLETED 1/1 BY COMMENTS

OWNERSHIP: ☐ YES ☒ NO DATE COMPLETED 1/1 BY COMMENTS

INTERVIEW: ☐ YES ☒ NO DATE COMPLETED 1/1 BY COMMENTS

FIELD INVESTIGATION: ☐ YES ☒ NO APPROVED BY DATE CHECKED 1/1 BY COMMENTS

GENERAL REMARKS:

INVESTIGATED BY Paula G. Leland DATE 6/11/84

REVIEWED BY DATE 1/1

TEMPORARY PRELIMINARY DECREE
GALLATIN RIVER BASIN
BASIN 41H
ABSTRACT OF WATER RIGHT

WATER RIGHT NUMBER 41H -W-122636-00

OWNERS: BIG SKY OF MONTANA INC
PO BOX 1
BIG SKY MT 59716

PRIORITY DATE: JAN 30, 1974

FLOW RATE: 240.00 GPM

VOLUME: 194.06 ACRE FEET PER YEAR

SOURCE: WELL

PURPOSE (USE): COMMERCIAL

PERIOD OF USE: JAN 1 TO DEC 31

POINTS OF DIVERSION AND MEANS OF DIVERSION:

LOT	BLK	QTR	SEC	SEC	TWP	RGE	COUNTY	
001		SWSESE	19	06S	03E	MADISON		WELL

PLACE OF USE FOR COMMERCIAL:

	ACRES	LOT	BLK	QTR	SEC	SEC	TWP	RGE	COUNTY
001		001		SE	19	06S	03E	MADISON	
002		006		NW	29	06S	03E	MADISON	
003		006		NE	30	06S	03E	MADISON	
004				NE	30	06S	03E	MADISON	

REMARKS: SUBDIVISION:
CASCADE

SEE GENERAL FINDINGS OF FACT AND CONCLUSIONS OF LAW FOR FURTHER
DELINEATION OF THIS RIGHT.

MOUNTAIN VILLAGE NO. 2

STATEMENT OF CLAIM NO: 41H 122637 00
COMPLETION DATE: January 30, 1974

This statement of claim was filed in 1982 for 80 gpm and 129 acre-feet per year for Commercial use from the listed diversion, now colloquially known as Mountain Village No. 2. DNRC verified the right in ca. 1983, and then reduced the volume to 64.09 acre-feet in ca. 1985. The volume was rolled into Permit 41H 100737 00 (see this right below) at the request of the Applicant (Boyne USA, Inc.). The right was transferred to the District in 1999. The completion date for claims cannot be extended.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 122637-00 STATEMENT OF CLAIM MOUNTAIN VILLAGE NO. 2
Version: 3 -- POST DECREE

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: JANUARY 30, 1974

Enforceable Priority Date: JANUARY 30, 1974

Type of Historical Right: USE

Purpose (use): COMMERCIAL

Maximum Flow Rate: 80.00 GPM

Maximum Volume: 64.69 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NENENE	30		6S	3E	MADISON

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Subdivision: CASCADE SUBD (BIG SKY)

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SE	19	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 001					
2			NW	29	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 006					
3			NE	30	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 006					
4			NE	30	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY)					

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME PLACE OF USE.

100737-00 122636-00 122637-00 133733-00

NOTICE OF WATER RIGHT TRANSFER RECEIVED 01/20/1994.

NOTICE OF WATER RIGHT TRANSFER RECEIVED 03/05/1999.

122637

STATEMENT OF CLAIM FOR EXISTING WATER RIGHTS

RECEIVED

MAR 15 1982

OTHER USES

For the Water Courts of the State of Montana

MONTANA D.N.R.C.
BOZEMAN FIELD OFFICE

MA-U

10-105-01-01

40

1. Owner of Water Right BIG SKY OF MONT INC Last First Middle InitialCo-Owner or Other
Interest Owner

Last

First

Middle Initial

Address P.O. BOX 1City BIG SKY State MONTANA Zip Code 59716Home Phone No. 995-4211 Business Phone No. _____2. Person completing form TOUT Last First Middle Initial RAYMOND JAddress P.O. BOX 806City BIG SKY State MONTANA Zip Code 59716Home Phone No. 995-4304 Business Phone No. 995-4211

3. Use: (Check Only One)

FR ☐ Fish RacewaysGE ☐ GeothermalMN ☒ MiningFW ☐ Fish & WildlifeNV ☐ NavigationPG ☐ Power GenerationCM ☒ CommercialFP ☐ Fire ProtectionRC ☐ RecreationIN ☐ IndustrialAS ☐ Agricultural SprayingOT ☐ OtherMC ☐ MunicipalOF ☐ Oil Well Flooding

Explain _____

4. Source of Water: (Check Only One)

☐ Spring

Name _____

☒ WellName LOW DOG☐ Stream

Name _____

Tributary of _____

☐ Lake

Name _____

Stream _____

Tributary of _____

☐ Reservoir

Name _____

Stream _____

Tributary of _____

5. Point of Diversion: County MADISONNE 1/4 NE 1/4 NE 1/4, Section 30, T 6 S, R 3 E

Lot _____, Block _____, Subdivision _____

6. Means of Diversion:

☒ Well☒ PumpCapacity 80 gpm☐ Headgate with ditch or pipeline☐ Instream use☐ Other

Explain _____

7. Means of Conveyance:

☐ Ditch☐ Instream☒ Pipeline☐ Other: _____

8. Place of Use: County MADISON
☐ Instream ☐ City or Town ☒ Other: Explain RESORT
Lot, 1 Block, 1/4 SE 1/4, Section 19, T 6 N/S, R 3 E/W
Lot, 6 Block, 1/4 NW 1/4, Section 29, T 6 N/S, R 3 E/W
Lot, 6 Block, 1/4 NE 1/4, Section 30, T 6 N/S, R 3 E/W
Lot, Block, 1/4 NE 1/4, Section 30, T 6 N/S, R 3 E/W
Lot, Block, 1/4 1/4, Section , T N/S, R E/W
Subdivision CASCADE

9. Flow rate claimed: 80 ☐ cubic feet per second
☒ gallons per minute
☐ miner's inches

10. Volume claimed: 129 acre-feet per year

11. Period(s) of use: 1 1 to 12 31
Month Day Month Day

12. Check one: ☐ Decreed Water Right
☐ Filed Appropriation Right
☒ Use Water Right

Priority date or date of first use

8:00AM Oct 1 1 1972
Hour Month Day Year

13. Attach copies of the Decree, Record of Filing or Proof of Use Right.

14. Attach copies of aerial photographs, U.S. Geological Survey maps or such other documents necessary to show point of diversion, place of use, place of storage, and conveyance facilities.

15. Notarized Statement signed by claimant.

STATE OF MONTANA)

:ss.

County of MADISON)

I, Raymond J. Lant, having been duly sworn, depose and say that I, being of legal age and being the claimant of this claim of existing water right, and the person whose name is signed to it as the claimant, know the contents of this claim and the matters and things stated there are true and correct.

Subscribed and sworn before me, this 13th day of MARCH 19 82.

Laine D. V. Jernie
Notary Public for the State of Montana

Residing at BIG SKY, MONTANA
My Commission expires 1/15/83

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

09/13/83

ABSTRACT OF CLAIM FOR EXISTING WATER RIGHTS

CLAIM ID 41H-W-122637-00 PRIORITY DATE: 08:00 01/30/1974 TYPE OF RIGHT: USE CLAIM RECEIVED: 03/15/82 FEE PAID: \$40

TYPE CODE: G MAX RATE: 80.00 G (MI) MAX VOLUME: 129.00 AF/YEAR MAX ACRES: 0.00

OWNERS: (M) C BIG SKY OF MONTANA BOX 1

BIG SKY MT 59716

SOURCES: WL 01 WELL LOT-BLK QTR-SEC SEC TWP RGE CD NENENE 30 06S 03E MA YIELD RATE 80 G

USE: CM 01 0.00 ACRES PERIOD OF USE 1999999999997

PARCELS:	ACRES	VER.	ACRES	WRS	19__	19__	LOT	BLK	QTR	SEC	SEC	TWP	RGE	CD	REMARKS
001	0.00							001		SE	19	06S	03E	MA	
002	0.00							006		NW	29	06S	03E	MA	
003	0.00							006		NE	30	06S	03E	MA	
004	0.00									NE	30	06S	03E	MA	

REMARKS: SB 01 MA-CASCADE

ADDENDUMS: YES NO 1 DVRS RSRV POU RMRK DWNR COMMENTS

SUPPLEMENTAL IF REF. RIGHT, MAX COMBINED VOLUME FOR ALL RIGHTS -.-.-.-.- AF MAX COMBINED ACRES FOR ALL RIGHTS -.-.-.-.-

RIGHTS: IF SUPPLEMENTAL RIGHT, PURPOSE ID AND CLAIM ID -.-.-.-.- OF REF. RIGHT

***** FIELD VERIFICATION FORM *****

COMPARISON STATISTICS: VOLUME-BASED ON FLOW RATE AND PERIOD OF USE 130.133 AF/YR OVER CLAIMED VOLUME

BASIN OK: YES NO COMMENTS

SOURCE NAME OK: YES NO (FROM: USGS TOPO MAP) WR SURVEY COMMENTS

TYPE CD (S/G) OK: YES NO COMMENTS

POD OK: WL 01 YES NO APPEARS CORRECT UNVERIFIED (FROM: CLMNTS MAP GRID ON FLNG) COMMENTS

Mar

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

09/13/83

ABSTRACT OF CLAIM FOR EXISTING WATER RIGHTS

CLAIM ID 41H-W-122637-00 (CONTINUED)

PROOF OF USE: CLAIMED FLOW RATE OK: ☒ YES ☒ NO NONE GIVEN COMMENTS GW2 FLOW 01/30/1974

CLAIMED PRY DATE OK: ☒ YES ☒ NO COMMENTS GW2 FLOW 01/30/1974

FLOW RATE OK: ☒ YES ☒ NO COMMENTS

VOLUME OK: ☒ YES ☒ NO COMMENTS

PRIORITY DATE OK: ☒ YES ☒ NO (APPLIED LAST MONTH OF YR APPLIED LAST DAY OF MONTH) COMMENTS

PERIOD OF USE OK: ☒ YES ☒ NO COMMENTS

AIR PHOTO VERIFICATION OF DEVELOPMENT: PHOTO ADNR PHOTO DATE

PHOTO PHOTO DATE

PHOTO PHOTO DATE

TELEPHONE CONTACT: ☒ YES ☒ NO DATE COMPLETED 1/1 BY ADNR COMMENTS

LETTER CONTACT: ☒ YES ☒ NO DATE COMPLETED 1/1 BY ADNR COMMENTS

OWNERSHIP: ☒ YES ☒ NO DATE COMPLETED 1/1 BY ADNR COMMENTS

INTERVIEW: ☒ YES ☒ NO DATE COMPLETED 1/1 BY ADNR COMMENTS

FIELD INVESTIGATION: ☒ YES ☒ NO APPROVED BY ADNR DATE CHECKED 1/1 BY ADNR COMMENTS

GENERAL REMARKS:

INVESTIGATED BY Paul R. Smith DATE 6/11/84

REVIEWED BY ADNR DATE 1/1

WATER RIGHT NUMBER 41H -W-122637-00

MT 59716

POINTS OF DIVERSION AND MEANS OF DIVERSION:

NENENE 30 06S 03E MADISON

WELL

PLACE OF USE FOR COMMERCIAL

001	001	SE	19	06S	03E	MADISON
002	006	NW	29	06S	03E	MADISON
003	006	NE	30	06S	03E	MADISON
004		NE	30	06S	03E	MADISON

REMARKS: SUBDIVISION:
CASCADE

SEE GENERAL FINDINGS OF FACT AND CONCLUSIONS OF LAW FOR FURTHER
DELINEATION OF THIS RIGHT.

FILMED
SEP 17 1993

MOUNTAIN VILLAGE NO. 3

STATEMENT OF CLAIM NO: **41H 133733 00**
COMPLETION DATE: **January 30, 1974**

This statement of claim was filed in 1982 for 180 gpm and 290 acre-feet per year for Commercial use from the listed diversion, now colloquially known as Mountain Village No. 3. DNRC verified the rate and volume of the right in ca. 1983, and then reexamined the right reducing the volume to 145.54 acre-feet in ca. 1985. The volume was rolled into Permit 41H 100737 00 (see this right below) at the request of the Applicant (Boyne USA, Inc.). The right was transferred to the District in 1999. The completion date for claims cannot be extended.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 133733-00 STATEMENT OF CLAIM MOUNTAIN VILLAGE NO. 3
Version: 3 -- POST DECREE

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: JANUARY 30, 1974

Enforceable Priority Date: JANUARY 30, 1974

Type of Historical Right: USE

Purpose (use): COMMERCIAL

Maximum Flow Rate: 180.00 GPM

Maximum Volume: 145.54 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NWNENE	30		6S	3E	MADISON

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Subdivision: CASCADE SUBD (BIG SKY)

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SE	19	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 001					
2			NW	29	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 006					
3			NE	30	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY) BLOCK: 006					
4			NE	30	6S	3E	MADISON
	Subdivision:	CASCADE SUBD (BIG SKY)					

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME PLACE OF USE.

100737-00 122636-00 122637-00 133733-00

NOTICE OF WATER RIGHT TRANSFER RECEIVED 01/20/94.

NOTICE OF WATER RIGHT TRANSFER RECEIVED 03/05/99.

STATEMENT OF CLAIM FOR EXISTING WATER RIGHTS OTHER USES

RECEIVED

MAR 15 1982

MONTANA D.N.R.C.
BOZEMAN FIELD OFFICE

133733

MA-U

10-105-01-01

For the Water Courts of the State of Montana

1. Owner of Water Right 40 BIG SKY OF MONTANA INC. /
Last First Middle Initial

Co-Owner or Other
Interest Owner

Last

First

Middle Initial

Address P.O. BOX 1City BIG SKY, State MONTANA Zip Code 59716Home Phone No. 995-4211 Business Phone No. _____

2. Person completing form TOUT / RAYMOND / J
Last First Middle Initial

Address P.O. BOX 806City BIG SKY State MONT Zip Code 59716

Home Phone No. _____ Business Phone No. _____

3. Use: (Check Only One)

FR ☐ Fish RacewaysGE ☐ GeothermalMN ☐ MiningFW ☐ Fish & WildlifeNV ☐ NavigationPG ☐ Power GenerationCM ☒ CommercialFP ☐ Fire ProtectionRC ☐ RecreationIN ☐ IndustrialAS ☐ Agricultural SprayingOT ☐ OtherMC ☐ MunicipalOF ☐ Oil Well Flooding

Explain _____

4. Source of Water: (Check Only One)

☐ Spring

Name _____

☒ WellName LAKE☐ Stream

Name _____

Tributary of _____

☐ Lake

Name _____

Stream _____

Tributary of _____

☐ Reservoir

Name _____

Stream _____

Tributary of _____

5. Point of Diversion: County MADISONNW 1/4 NE 1/4 NE 1/4, Section 30, T 6 S, R 3 E

Lot _____, Block _____, Subdivision _____

6. Means of Diversion:

☒ Well☒ PumpCapacity 180 gpm☐ Headgate with ditch or pipeline☐ Instream use☐ Other

Explain _____

7. Means of Conveyance:

☐ Ditch☐ Instream☒ Pipeline☐ Other: _____

8. Place of Use: County MADISON
☐ Instream ☐ City or Town ☒ Other: Explain RESORT
Lot, 1 Block, 1/4 SE 1/4, Section 19, T 6 N/S, R 3 E/W
Lot, 6 Block, 1/4 NW 1/4, Section 29, T 6 N/S, R 3 E/W
Lot, 6 Block, 1/4 NE 1/4, Section 30, T 6 N/S, R 3 E/W
Lot, 6 Block, 1/4 NE 1/4, Section 30, T 6 N/S, R 3 E/W
Lot, 6 Block, 1/4 NE 1/4, Section 30, T 6 N/S, R 3 E/W
Subdivision GASCADE

9. Flow rate claimed: 180 ☐ cubic feet per second
☒ gallons per minute
☐ miner's inches

10. Volume claimed: 290 acre-feet per year

11. Period(s) of use: JAN 1 1 to DEC 31
Month Day Month Day

12. Check one: ☐ Decreed Water Right ☐ Filed Appropriation Right ☒ Use Water Right
Priority date or date of first use 8:00 AM Oct. 1 1 1972
Hour Month Day Year

13. Attach copies of the Decree, Record of Filing or Proof of Use Right.

14. Attach copies of aerial photographs, U.S. Geological Survey maps or such other documents necessary to show point of diversion, place of use, place of storage, and conveyance facilities.

15. Notarized Statement signed by claimant.

STATE OF MONTANA)
County of Madison) ss.

I, Raymond J. Lant, having been duly sworn, depose and say that I, being of legal age and being the claimant of this claim of existing water right, and the person whose name is signed to it as the claimant, know the contents of this claim and the matters and things stated there are true and correct.

Subscribed and sworn before me, this 7th day of March 19 82

Ernie D. Deune
Notary Public for the State of Montana

Big Sky, Montana
Residing at _____
My Commission expires 1/15/83

22

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
ABSTRACT OF CLAIM FOR EXISTING WATER RIGHTS

09/13/83

CLAIM ID 41H -W-133733-00 (CONTINUED)

PROOF OF USE: CLAIMED FLOW RATE OK: ☒ YES ☐ NO ☐ NONE GIVEN COMMENTS SW-2 FILING 01/30/1979

CLAIMED PRTY DATE OK: ☒ YES ☐ NO COMMENTS

FLOW RATE OK: ☒ YES ☐ NO COMMENTS

VOLUME OK: ☒ YES ☐ NO COMMENTS

PRIORITY DATE OK: ☒ YES ☐ NO (APPLIED LAST MONTH OF YR APPLIED LAST DAY OF MONTH) COMMENTS

PERIOD OF USE OK: ☒ YES ☐ NO COMMENTS

AIR PHOTO VERIFICATION OF DEVELOPMENT: PHOTO none PHOTO DATE

PHOTO PHOTO DATE

PHOTO PHOTO DATE

TELEPHONE CONTACT: ☒ YES ☐ NO DATE COMPLETED 1/1/84 BY COMMENTS

LETTER CONTACT: ☒ YES ☐ NO DATE COMPLETED 1/1/84 BY COMMENTS

OWNERSHIP: ☒ YES ☐ NO DATE COMPLETED 1/1/84 BY COMMENTS

INTERVIEW: ☒ YES ☐ NO DATE COMPLETED 1/1/84 BY COMMENTS

FIELD INVESTIGATION: ☒ YES ☐ NO APPROVED BY DATE CHECKED 1/1/84 BY COMMENTS

GENERAL REMARKS:

INVESTIGATED BY Paul A. Schmid DATE 6/11/84
REVIEWED BY _____ DATE 1/1/84

ABSTRACT OF WATER RIGHT CLAIM
AS MODIFIED BY THE WATER COURT
GALLATIN RIVER
BASIN 41H

07/28/97
PAGE 1

WATER RIGHT NUMBER 41H -W-133733-00

IMPORTANT NOTICE

AN ASTERISK (*) HAS BEEN PLACED NEXT TO EACH ITEM CHANGED BY ORDER OF THE MONTANA WATER COURT AFTER ISSUANCE OF THE PREVIOUS DECREE.

OWNERS: LONE MOUNTAIN SPRING WATER UTILITY
PO BOX 160066
BIG SKY MT 59716

PURPOSE (USE): COMMERCIAL

SOURCE: WELL
SOURCE TYPE: GROUNDWATER

PRIORITY DATE: JANUARY 30, 1974
TYPE OF HISTORICAL RIGHT: USE

FLOW RATE: 180.00 GPM (.40 CFS)

VOLUME: 145.54 AF

PERIOD OF USE: JANUARY 01 TO DECEMBER 31

POINT OF DIVERSION:

LOT BLK QTR SEC SEC TWP RGE COUNTY

01 NWNENE 30 06S 03E MADISON

PLACE OF USE FOR COMMERCIAL:

	ACRES	LOT	BLK	QTR	SEC	TWP	RGE	COUNTY
001		001		SE	19	06S	03E	MADISON
002		006		NW	29	06S	03E	MADISON
003		006		NE	30	06S	03E	MADISON
004				NE	30	06S	03E	MADISON

REMARKS:

SUBD: CASCADE

NOTICE OF WATER RIGHT TRANSFER RECEIVED 01/20/94.

* THE FOLLOWING POTENTIAL ISSUES WERE IDENTIFIED DURING CLAIMS *
* EXAMINATION OR DURING PREVIOUS WATER COURT PROCEEDINGS. THESE *
* ISSUES MAY REMAIN UNRESOLVED IF NO OBJECTIONS ARE FILED DURING *
* THE NEXT OBJECTION PERIOD. *
* *
* *
* *
* WATER RIGHT CLAIMS W122636-00, W122637-00, *
* AND W133733-00 MAY BE DUPLICATE CLAIMS. *
* *
* THE PRIORITY DATE MAY BE QUESTIONABLE. THE DATE OF *
* FILING THE FORM GW2, NOTICE OF COMPLETION OF *
* GROUNDWATER APPROPRIATION, IS JANUARY 30, 1974. *
* *

MOUNTAIN VILLAGE NO. 4

PROVISIONAL PERMIT NO: 41H 61672 00
COMPLETION DATE: December 31, 2033

This provisional permit was filed in 1986 for 124 gpm and 150.00 acre-feet per year for Commercial use from the listed diversion, colloquially known as Mountain Village No. 4. The right was transferred to the District in 1999. In 2018, the District filed for an extension of time and was approved for a completion date of 12/31/2033.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 61672-00 PROVISIONAL PERMIT MOUNTAIN VILLAGE NO. 4
Version: 1 -- ORIGINAL RIGHT

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: OCTOBER 21, 1986 at 01:40 P.M.

Enforceable Priority Date: OCTOBER 21, 1986 at 01:40 P.M.

Purpose (use): COMMERCIAL

Maximum Flow Rate: 124.00 GPM

Maximum Volume: 150.00 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr</u> <u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NENWNE	30	6S	3E	MADISON

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Purpose (Use): COMMERCIAL

Volume: 150.00 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr</u> <u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			SE	19	6S	3E	MADISON
2			NW	29	6S	3E	MADISON
3			NE	30	6S	3E	MADISON

Remarks:

GROUNDWATER WASTE & CONTAMINATION

THIS RIGHT IS SUBJECT TO SECTION 85-2-505, MCA, REQUIRING A WELL BE CONSTRUCTED SO IT WILL NOT ALLOW WATER TO BE WASTED OR CONTAMINATE OTHER WATER SUPPLIES OR SOURCES, AND A FLOWING WELL MUST BE CAPPED OR EQUIPPED SO THE FLOW OF THE WATER MAY BE STOPPED WHEN NOT BEING PUT TO BENEFICIAL USE.

GROUNDWATER WELL - ACCESS PORT

THE FINAL COMPLETION OF THE WELL(S) MUST INCLUDE AN ACCESS PORT OF AT LEAST .50 INCH SO THE STATIC LEVEL OF THE WELL MAY BE ACCURATELY MEASURED.

IMPORTANT INFORMATION

THIS WELL IS MANIFOLD AND USED IN CONJUNCTION WITH STATEMENT OF CLAIM NO.S 122636-41H, 122637-41H AND 133733-41H.

WATER MEASUREMENT - ANNUAL DATA

MEASUREMENT DATA: 1998 00000.00 GPM 00070.12 AC-FT

WATER MEASUREMENT INFORMATION (OLD)

THE APPROPRIATOR SHALL KEEP A WRITTEN RECORD OF THE FLOW RATE AND VOLUME OF ALL WATERS DIVERTED, INCLUDING THE PERIOD OF TIME, AND SHALL SUBMIT SAID RECORDS UPON REQUEST TO THE WATER RESOURCES REGIONAL OFFICE LISTED BELOW. BOZEMAN, MT PH: 406-586-3136 FAX: 406-587-9726

WATER MEASUREMENT INFORMATION (OLD)

THE APPROPRIATOR SHALL INSTALL AN ADEQUATE FLOW METERING DEVICE TO ALLOW THE FLOW RATE AND VOLUME OF WATER DIVERTED TO BE RECORDED.

OWNERSHIP UPDATE RECEIVED

NOTICE OF WATER RIGHT TRANSFER RECEIVED 03/05/99.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1520 EAST SIXTH AVENUE HELENA, MONTANA 59620



Permit to Appropriate Water

THIS PROVISIONAL PERMIT TO APPROPRIATE WATER IS HEREBY ISSUED TO:

LONE MOUNTAIN SPRINGS WATER UTILITY
PO BOX 1
BIG SKY MT 59716

UPON FINDING THAT THE REQUIREMENTS OF SECTION 85-2-311 MCA HAVE BEEN MET,

PERMIT NUMBER: 61672-G41H

PRIORITY DATE: OCTOBER 21, 1986 AT 1:40 P.M.

SOURCE: GROUNDWATER WELL

TOTAL FLOW RATE: 124.00 GPM

TOTAL VOLUME: 150.00 ACRE FEET PER YEAR

DIVERSION POINT: NENWNE SEC. 30 TWP. 06S RGE. 03E MADISON CO

USE: 124.00 GPM UP TO 150.00 AC-FT (JAN 01 - DEC 31)
FOR COMMERCIAL

PLACE OF USE: SE SEC. 19 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

NW SEC. 29 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

NE SEC. 30 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

DIVERSION MEANS: PUMP

**** REQUIREMENTS FOR PERMIT HOLDER:**

THE DEADLINE FOR COMPLETION OF THIS PERMIT, AND FILING OF THE NOTICE OF COMPLETION OF PERMITTED WATER DEVELOPMENT (FORM 617) SHALL BE NOVEMBER 30, 1996, VERIFYING THAT THE APPROPRIATION OF WATER HAS BEEN COMPLETED AS PERMITTED.

**** PRIOR RIGHTS:**

THIS PERMIT IS SUBJECT TO ALL PRIOR EXISTING WATER RIGHTS IN THE SOURCE OF SUPPLY. FURTHER, THIS PERMIT IS SUBJECT TO ANY FINAL DETERMINATION OF EXISTING WATER RIGHTS, AS PROVIDED BY MONTANA LAW.

**** MEASURING DEVICE:**

THIS PERMIT IS SUBJECT TO THE CONDITION THAT THE PERMITTEE SHALL INSTALL AN ADEQUATE FLOW METERING DEVICE IN ORDER TO ALLOW THE FLOW RATE AND VOLUME OF WATER DIVERTED TO BE RECORDED. THE PERMITTEE SHALL KEEP A WRITTEN RECORD OF THE FLOW RATE AND VOLUME OF ALL WATERS DIVERTED, INCLUDING THE PERIOD OF TIME, AND SHALL SUBMIT SAID RECORDS TO THE DEPARTMENT UPON REQUEST.

**** PROGRESS REPORT:**

THIS PERMIT IS SUBJECT TO THE PERMITTEE SUBMITTING A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS PERMIT BY NOVEMBER 30 OF EACH YEAR TO THE WATER RIGHTS BUREAU FIELD OFFICE, 1201 EAST MAIN, BOZEMAN MT 59715.

**** FURTHER INFORMATION:**

THIS WELL IS MANIFOLD AND USED IN CONJUNCTION WITH STATEMENT OF CLAIM NO.S 122636-41H, 122637-41H AND 133733-41H.

**** CONTAMINATION, FLOWING WELLS:**

THIS PERMIT IS SUBJECT TO SECTION 85-2-505, MCA, REQUIRING THAT ALL WELLS BE CONSTRUCTED SO THEY WILL NOT ALLOW WATER TO BE WASTED, OR CONTAMINATE OTHER WATER SUPPLIES OR SOURCES, AND ALL FLOWING WELLS SHALL BE CAPPED OR EQUIPPED SO THE FLOW OF WATER MAY BE STOPPED WHEN NOT BEING PUT TO BENEFICIAL USE.

THE FINAL COMPLETION OF THE WELL MUST INCLUDE AN ACCESS PORT OF AT LEAST .50 INCH SO THAT THE STATIC LEVEL OF THE WELL MAY BE ACCURATELY MEASURED.

FAILURE TO COMPLY WITH ANY TERMS AND CONDITIONS HEREIN MAY RESULT IN THE LOSS OF THE WATER RIGHT GRANTED BY THIS PERMIT.

**** TRANSFER OF OWNERSHIP:**

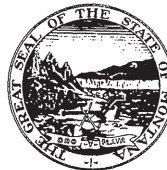
UPON A CHANGE IN OWNERSHIP OF ALL OR ANY PORTION OF THIS PERMIT, THE PARTIES TO THE TRANSFER SHALL FILE WITH THE DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION A WATER RIGHT TRANSFER CERTIFICATE, FORM 608, PURSUANT TO SECTION 85-2-424, MCA.

WITNESS

ADMINISTRATIVE ASST: RONALD J GUSE

DATE: MARCH 31, 1987 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1520 EAST SIXTH AVENUE
HELENA, MONTANA 59620



Permit to Appropriate Water

THIS PROVISIONAL PERMIT TO APPROPRIATE WATER IS HEREBY ISSUED TO:

LONE MOUNTAIN SPRINGS WATER UTILITY
PO BOX 1
BIG SKY MT 59716

MOUNTAIN VILLAGE NO. 4

UPON FINDING THAT THE REQUIREMENTS OF SECTION 85-2-311 MCA
HAVE BEEN MET.

PERMIT NUMBER: 61672-G41H

PRIORITY DATE: OCTOBER 21, 1986 AT 1:40 P.M.

SOURCE: GROUNDWATER WELL

TOTAL FLOW RATE: 124.00 GPM

TOTAL VOLUME: 150.00 ACRE FEET PER YEAR

DIVERSION POINT: NENWNE SEC. 30 TWP. 06S RGE. 03E MADISON CO

USE: 124.00 GPM UP TO 150.00 AC-FT (JAN 01 - DEC 31)
FOR COMMERCIAL

PLACE OF USE: SE SEC. 19 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

NW SEC. 29 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

NE SEC. 30 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

DIVERSION MEANS: PUMP

**** REQUIREMENTS FOR PERMIT HOLDER:**

THE DEADLINE FOR COMPLETION OF THIS PERMIT, AND FILING OF THE NOTICE
OF COMPLETION OF PERMITTED WATER DEVELOPMENT (FORM 617) SHALL BE
NOVEMBER 30, 1996, VERIFYING THAT THE APPROPRIATION OF WATER HAS BEEN
COMPLETED AS PERMITTED.

**** PRIOR RIGHTS:**

THIS PERMIT IS SUBJECT TO ALL PRIOR EXISTING WATER RIGHTS IN THE SOURCE
OF SUPPLY. FURTHER, THIS PERMIT IS SUBJECT TO ANY FINAL DETERMINATION
OF EXISTING WATER RIGHTS, AS PROVIDED BY MONTANA LAW.

**** MEASURING DEVICE:**

THIS PERMIT IS SUBJECT TO THE CONDITION THAT THE PERMITTEE SHALL
INSTALL AN ADEQUATE FLOW METERING DEVICE IN ORDER TO ALLOW THE FLOW
RATE AND VOLUME OF WATER DIVERTED TO BE RECORDED. THE PERMITTEE SHALL
KEEP A WRITTEN RECORD OF THE FLOW RATE AND VOLUME OF ALL WATERS
DIVERTED, INCLUDING THE PERIOD OF TIME, AND SHALL SUBMIT SAID RECORDS
TO THE DEPARTMENT UPON REQUEST.

**** PROGRESS REPORT:**

THIS PERMIT IS SUBJECT TO THE PERMITTEE SUBMITTING A PROGRESS REPORT
OF THE WORK COMPLETED UNDER THIS PERMIT BY NOVEMBER 30 OF EACH YEAR
TO THE WATER RIGHTS BUREAU FIELD OFFICE, 1201 EAST MAIN,
BOZEMAN MT 59715.

**** FURTHER INFORMATION:**

THIS WELL IS MANIFOLD AND USED IN CONJUNCTION WITH
STATEMENT OF CLAIM NO.S 122636-41H, 122637-41H AND
133733-41H.

**** CONTAMINATION, FLOWING WELLS:**

THIS PERMIT IS SUBJECT TO SECTION 85-2-505, MCA, REQUIRING THAT ALL
WELLS BE CONSTRUCTED SO THEY WILL NOT ALLOW WATER TO BE WASTED, OR
CONTAMINATE OTHER WATER SUPPLIES OR SOURCES, AND ALL FLOWING WELLS
SHALL BE CAPPED OR EQUIPPED SO THE FLOW OF WATER MAY BE STOPPED WHEN
NOT BEING PUT TO BENEFICIAL USE.

THE FINAL COMPLETION OF THE WELL MUST INCLUDE AN ACCESS PORT OF AT
LEAST .50 INCH SO THAT THE STATIC LEVEL OF THE WELL MAY BE ACCURATELY
MEASURED.

FAILURE TO COMPLY WITH ANY TERMS AND CONDITIONS HEREIN MAY RESULT IN
THE LOSS OF THE WATER RIGHT GRANTED BY THIS PERMIT.

**** TRANSFER OF OWNERSHIP:**

UPON A CHANGE IN OWNERSHIP OF ALL OR ANY PORTION OF THIS PERMIT,
THE PARTIES TO THE TRANSFER SHALL FILE WITH THE DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION A WATER RIGHT TRANSFER CERTIFICATE,
FORM 608, PURSUANT TO SECTION 85-2-424, MCA.

WITNESS

ADMINISTRATIVE ASST: RONALD J GUSE

DATE: MARCH 31, 1987 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION

NOTICE OF ACTION FOR EXTENSION OF TIME

BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

PROVISIONAL PERMIT/AUTHORIZATION NUMBER:

41H 61672-00

APPROVED

The request for additional time to complete this project is approved because the appropriator has shown diligence in completing the project or shown good cause for not completing the project.

The notice of completion deadline is extended to **December 31, 2033**.

PROGRESS REPORT DUE: NONE

K-S

5/8/18

Water Resources Regional Office

Date

NOTICE

*Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601*



MOUNTAIN VILLAGE NOS. 5, 6
(formerly Cascade Nos. 5 and 6)

PROVISIONAL PERMIT NO: 41H 100737 00
COMPLETION DATE: December 31, 2033

This provisional permit was filed in 1997 for 925 gpm and 592 acre-feet per year for Commercial use from the listed diversions, colloquially known as Mountain Village Nos. 5 and 6. The applicant (Boyne USA, Inc.) rolled the volumes of 41H 122636 00 (MTN-1), 41H 122637 00 (MTN-2), and 41H 133733 00 (MTN-3) into the volume of this right. The rates associated with MTN-1, MTN-2, and MTN-3 were not changed. The combined appropriation is limited to 592 acre-feet per year. The right was transferred to the District in 1999. The District filed for an extension of time and was approved for completion on 12/31/2033.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 100737-00 PROVISIONAL PERMIT
Version: 1 -- ORIGINAL RIGHT
Version Status: ACTIVE
Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

MOUNTAIN VILLAGE NOS. 5, 6
This water right also limits total
annual production from Mountain
Village Nos. 1 - 3 plus 5 & 6
to 592 af/yr.

Priority Date: APRIL 2, 1997 at 04:15 P.M.
Enforceable Priority Date: APRIL 2, 1997 at 04:15 P.M.

Purpose (use): COMMERCIAL
COMMERCIAL USE IS FOR THE MOUNTAIN VILLAGE COMPLEX, ALSO USED
FOR MULTIPLE DOMESTIC.

Maximum Flow Rate: 925.00 GPM

Maximum Volume: 592.00 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NWSWSE	19		6S	3E	MADISON

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 212.00 FEET

Casing Diameter: 8.00 INCHES

Pump Size: 20.00 HP

2		SENESEW	19		6S	3E	MADISON
---	--	---------	----	--	----	----	---------

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 200.00 FEET

Static Water Level: 14.00 FEET

Casing Diameter: 8.63 INCHES

Pump Size: 75.00 HP

Purpose (Use): COMMERCIAL

Volume: 592.00 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1				19	6S	3E	MADISON
2			NW	29	6S	3E	MADISON
3			N2	30	6S	3E	MADISON

MOUNTAIN VILLAGE COMPLEX, AND CASCADE SUBDIVISION.

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS
SHARE THE SAME PLACE OF USE.

100737-00 122636-00 122637-00 133733-00

Remarks:

ASSOCIATED RIGHT

THIS PERMIT IS ASSOCIATED TO WATER RIGHT NOS. 41H-W122636-00, 41H-W133733-00, AND 41H-W122637-00. THIS IS A MANIFOLD SYSTEM, AND THEY HAVE OVERLAPPING PLACES OF USE. THE COMBINED APPROPRIATION SHALL NOT EXCEED 592 ACRE-FEET PER ANNUM.

GROUNDWATER WASTE & CONTAMINATION

THIS RIGHT IS SUBJECT TO SECTION 85-2-505, MCA, REQUIRING A WELL BE CONSTRUCTED SO IT WILL NOT ALLOW WATER TO BE WASTED OR CONTAMINATE OTHER WATER SUPPLIES OR SOURCES, AND A FLOWING WELL MUST BE CAPPED OR EQUIPPED SO THE FLOW OF THE WATER MAY BE STOPPED WHEN NOT BEING PUT TO BENEFICIAL USE.

GROUNDWATER WELL - ACCESS PORT

THE FINAL COMPLETION OF THE WELL(S) MUST INCLUDE AN ACCESS PORT OF AT LEAST .50 INCH SO THE STATIC LEVEL OF THE WELL MAY BE ACCURATELY MEASURED.

WATER MEASUREMENT - STATIC WATER MEASUREMENTS REQUIRED

THE APPROPRIATOR SHALL INSTALL AN IN-LINE FLOW METER APPROVED BY THE REGIONAL MANAGER AT A POINT IN THE DELIVERY LINE APPROVED BY THE REGIONAL OFFICE TO RECORD THE FLOW RATE AND VOLUME OF WATER DIVERTED. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. THE APPROPRIATOR SHALL TAKE STATIC WATER LEVEL MEASUREMENTS. IF THE SOURCE IS A FLOWING WELL, THE APPROPRIATOR SHALL INSTALL A PRESSURE MONITORING DEVICE APPROVED BY THE REGIONAL MANAGER TO MEASURE HYDROSTATIC PRESSURE OF THE AQUIFER. STATIC WATER LEVEL MEASUREMENTS SHALL BE RECORDED ONLY AT A TIME WHEN THE WATER LEVEL IS STATIC. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP MONTHLY WRITTEN RECORD OF THE FLOW RATE, VOLUME, AND STATIC LEVEL MEASUREMENTS AND SHALL SUBMIT THE RECORDS BY NOVEMBER 30 OF EACH YEAR. THE REGIONAL MANAGER MAY ALSO REQUEST MEASUREMENT RECORDS AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OR MODIFICATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE ACCURATELY. 151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715 PH: 406-586-3136 FAX: 406-587-9726

SPECIAL MEASUREMENT REPORT TYPE INFORMATION

CHARTS 02 & 08

PROGRESS REPORT REQUIRED

THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. SUBMIT REPORTS TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW. 151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715 PH: 406-586-3136 FAX: 406-587-9726

DEPARTMENT RIGHT OF ACCESS

THIS PERMIT IS SUBJECT TO THE AUTHORITY OF THE DEPARTMENT TO REVOKE THE PERMIT IN ACCORDANCE WITH 85-2-314, MCA, AND TO ENTER ONTO THE PREMISES FOR INVESTIGATIVE PURPOSES IN ACCORDANCE WITH 85-2-115, MCA.

OWNERSHIP UPDATE RECEIVED

NOTICE OF WATER RIGHT TRANSFER RECEIVED 03/05/99.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
48 NORTH-LAST CHANCE GULCH P.O. BOX 201601 HELENA, MONTANA 59620-1601



Permit to Appropriate Water

THIS PROVISIONAL PERMIT TO APPROPRIATE WATER IS ISSUED TO:

LONE MOUNTAIN SPRINGS WATER UTILITY
PO BOX 160066
BIG SKY MT 59716

UPON FINDING THAT THE REQUIREMENTS OF SECTION 85-2-311 MCA HAVE BEEN MET.

PERMIT NUMBER: 100737-41H

PRIORITY DATE: APRIL 02, 1997 AT 4:15 P.M.

SOURCE: GROUNDWATER

DIVERSION: MEANS: WELL

PERIOD OF DIVERSION: 01/01-12/31
NWSWE SEC. 19 TWP. 06S RGE. 03E MADISON CO

MEANS: WELL

PERIOD OF DIVERSION: 01/01-12/31
SENESEW SEC. 19 TWP. 06S RGE. 03E MADISON CO

TOTAL FLOW RATE: 925.00 GPM

TOTAL VOLUME: 592.00 ACRE FEET PER YEAR

USE: 925.00 GPM UP TO 592.00 AC-FT (01/01-12/31)
FOR COMMERCIAL

COMMERCIAL USE IS FOR THE MOUNTAIN VILLAGE COMPLEX,
ALSO USED FOR MULTIPLE DOMESTIC.

PLACE OF USE: SEC. 19 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

NW SEC. 29 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

N2 SEC. 30 TWP. 06S RGE. 03E MADISON CO
FOR COMMERCIAL

MOUNTAIN VILLAGE COMPLEX, AND
CASCADE SUBDIVISION.

**** COMPLETION DEADLINE:**

THE DEADLINE TO COMPLETE THIS PERMIT AND FILE A NOTICE OF COMPLETION OF PERMITTED WATER DEVELOPMENT (FORM 617) IS DECEMBER 31, 2018. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, AT LEAST THIRTY DAYS BEFORE DECEMBER 31, 2018. OTHERWISE, THE PERMIT IS VOID.

**** PRIOR RIGHTS:**

THIS PERMIT IS SUBJECT TO ALL PRIOR EXISTING WATER RIGHTS IN THE SOURCE OF SUPPLY. FURTHER; THIS PERMIT IS SUBJECT TO ANY FINAL DETERMINATION OF EXISTING WATER RIGHTS, AS PROVIDED BY MONTANA LAW.

**** BACKFLOW PREVENTOR:**

PURSUANT TO SECTION 85-2-505, MCA, TO PREVENT GROUNDWATER CONTAMINATION, AN OPERATIONAL BACK FLOW PREVENTOR MUST BE INSTALLED AND MAINTAINED BY THE APPROPRIATOR IF A CHEMICAL OR FERTILIZER DISTRIBUTION SYSTEM IS CONNECTED TO THE WELL.

**** ASSOCIATED RIGHTS:**

THIS PERMIT IS ASSOCIATED TO WATER RIGHT NOS. 41H-W122636-00, 41H-W133733-00, AND 41H-W122637-00. THIS IS A MANIFOLD SYSTEM, AND THEY HAVE OVERLAPPING PLACES OF USE. THE COMBINED APPROPRIATION SHALL NOT EXCEED 592 ACRE-Feet PER ANNUM.

**** WASTE AND CONTAMINATION:**

THIS RIGHT IS SUBJECT TO SECTION 85-2-505, MCA, REQUIRING A WELL BE CONSTRUCTED SO IT WILL NOT ALLOW WATER TO BE WASTED OR CONTAMINATE OTHER WATER

MOUNTAIN NOS. 5 & 6

See also limitation
of associated rights
to 592 af

CONTINUED

FILMED

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
48 NORTH LAST CHANCE GULCH P.O. BOX 201601 HELENA, MONTANA 59620-1601



Permit to Appropriate Water

PERMIT NUMBER: 100737-41H

PAGE 2

SUPPLIES OR SOURCES, AND A FLOWING WELL MUST BE CAPPED OR EQUIPPED SO THE FLOW OF THE WATER MAY BE STOPPED WHEN NOT BEING PUT TO BENEFICIAL USE. THE FINAL COMPLETION OF THE WELL(S) MUST INCLUDE AN ACCESS PORT OF AT LEAST .50 INCH SO THE STATIC LEVEL OF THE WELL MAY BE ACCURATELY MEASURED.

**** WATER MEASUREMENT RECORDS REQUIRED:**
THE APPROPRIATOR SHALL INSTALL AN IN-LINE FLOW METER APPROVED BY THE REGIONAL MANAGER AT A POINT IN THE DELIVERY LINE APPROVED BY THE REGIONAL OFFICE TO RECORD THE FLOW RATE AND VOLUME OF WATER DIVERTED. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. THE APPROPRIATOR SHALL TAKE STATIC WATER LEVEL MEASUREMENTS. IF THE SOURCE IS A FLOWING WELL, THE APPROPRIATOR SHALL INSTALL A PRESSURE MONITORING DEVICE APPROVED BY THE REGIONAL MANAGER TO MEASURE HYDROSTATIC PRESSURE OF THE AQUIFER. STATIC WATER LEVEL MEASUREMENTS SHALL BE RECORDED ONLY AT A TIME WHEN THE WATER LEVEL IS STATIC. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP MONTHLY WRITTEN RECORD OF THE FLOW RATE, VOLUME, AND STATIC LEVEL MEASUREMENTS AND SHALL SUBMIT THE RECORDS BY NOVEMBER 30 OF EACH YEAR. THE REGIONAL MANAGER MAY ALSO REQUEST MEASUREMENT RECORDS AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OR MODIFICATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE ACCURATELY.
151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715
PH: 406-586-3136 FAX: 406-587-9726

**** PROGRESS REPORT:**
THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. SUBMIT REPORTS TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW.
151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715
PH: 406-586-3136 FAX: 406-587-9726

**** DEPARTMENT RIGHT OF ACCESS:**
THIS PERMIT IS SUBJECT TO THE AUTHORITY OF THE DEPARTMENT TO REVOKE THE PERMIT IN ACCORDANCE WITH 85-2-314, MCA, AND TO ENTER ONTO THE PREMISES FOR INVESTIGATIVE PURPOSES IN ACCORDANCE WITH 85-2-115, MCA.

**** TRANSFER OF OWNERSHIP:**
UPON A CHANGE IN OWNERSHIP OF ALL OR ANY PORTION OF THIS PERMIT, THE PARTIES TO THE TRANSFER SHALL FILE WITH THE DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION A WATER RIGHT TRANSFER CERTIFICATE, FORM 608, PURSUANT TO SECTION 85-2-424, MCA.

FAILURE TO COMPLY WITH ANY OF THE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THE WATER RIGHT GRANTED BY THIS PERMIT.

WITNESS

Jan R. Mack

WATER RESOURCES REGIONAL MANAGER

Scott Compton

DATE: JULY 08, 1997 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION

ATTACHED COMMENTS

2.) SOURCE OF WATER SUPPLY

This beneficial water use permit application is for two recently constructed production wells in Big Sky's Mountain Village. These wells are situated 800' apart and are located directly south of White Otter Road. Well #1 and #2 will be manifolded together and discharge into a 1.5 million gallon storage tank. This tank, which will be constructed during the summer season, shall be positioned in the upper portion of the Cascade Subdivision. Each of these wells is under the ownership of Boyne USA and Lone Mountain Springs, Inc. Not only will the water from these wells be utilized within the Cascade Subdivision, but also throughout the entire Mountain Village complex. The enclosed Capital Improvements Plan illustrates the specific locations of the wells.

4.) MEANS OF DIVERSION

Both wells have been constructed. At the present time, each well has been pump tested; however, pumps have not yet been sized or selected.

Well #1 is 212' deep and contains no perforations or screens. (See the enclosed well log.) MTN-5

Well #2 is 200' deep and is perforated from 160' to 200'. (See the enclosed well log.) MTN-6

9.) AMOUNT OF WATER, PURPOSE OF USE, AND PERIOD OF USE

The flow rate that is being requested (**925 gpm**) on this application was determined by our aquifer testing activities (step drawdown, constant rate, and recovery tests). Well #1 was pumped at a rate greater than **225 gpm** for approximately 17 hours. Drawdown equilibrium was achieved at a depth of 169.07' under a pumping rate of 225 gpm. Well #2 was stressed at a rate of **700 gpm** for 18 hours. Stabilized drawdown occurred at a depth of 86.7' under this pumping rate. For convenience, all aquifer testing data is provided in this submittal.

In order to apply for the correct volume of water (**592 ac-ft**), the total average daily water demand for the entire Mountain Village had to be determined. According to the enclosed **Engineer's Report**, the current average daily demand is 341,740 gpd. Over the next twenty years, an increase of 186,357 gpd is anticipated. Thus, the total average daily demand shall be **528,097 gpd**.

Over a years time, an average daily demand of 528,097 gpd will accumulate to a demand volume of 592 ac-ft.

$$528,097 \text{ gpd} \times 365 \text{ days} = 192,755,405 \text{ gallons/year}$$

$$192,755,405 \text{ gallons} \times 1 \text{ cf}/7.48 \text{ gallons} = 25,769,439 \text{ cf/year}$$

$$25,769,439 \text{ cf/year} \times 1 \text{ ac-ft}/43,560 \text{ cf} = \mathbf{592 \text{ ac-ft}}$$

FILMED



2/2017

NOTICE OF ACTION FOR EXTENSION OF TIME

BIG SKY COUNTY WATER & SEWER DISTRICT NO. 363
PO BOX 160670
BIG SKY, MT 59716

PROVISIONAL PERMIT/AUTHORIZATION NUMBER


41H 10073700

APPROVED

The request for additional time to complete this project is approved because the appropriator has shown diligence in completing the project or shown good cause for not completing the project.

The notice of completion deadline is extended to **December 31st, 2033**

PROGRESS REPORT DUE: NONE


Water Resources Regional Office

1/5/21
Date

NOTICE

*Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601*

MOUNTAIN VILLAGE NO. 7

PROVISIONAL PERMIT NO: 41H 30001796
COMPLETION DATE: December 31, 2033

This well and its water right were completed as part of an agreement between the District and several land development companies (Developers, **Appendix C**).¹ The provisional permit application was filed by the District in 2002 using data and information provided by Developers' consultant. The permit provides for 300 gpm and 241.84 acre-feet per year from the listed diversion, colloquially known as Mountain Village No. 7. The DNRC hydrogeologist memorandum summarizes substantial interference impacts of MTN-7 on existing well MTN-4. The District filed for an extension of time in 2014 that was approved for 12/31/2033.

¹ Yellowstone Mountain Club, LLC, Yellowstone Development, LLC, Spanish Peaks Development, LLC, Blixseth Group, Inc., and Lone Moose Meadows, LLC.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 30001796 PROVISIONAL PERMIT MOUNTAIN VILLAGE NO. 7
Version: 1 -- ORIGINAL RIGHT

Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: APRIL 25, 2002 at 11:58 A.M.

Enforceable Priority Date: APRIL 25, 2002 at 11:58 A.M.

Purpose (use): COMMERCIAL

Maximum Flow Rate: 300.00 GPM

Maximum Volume: 241.84 AC-FT

Maximum Acres: 36.50

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NWNENE	30	6S	3E	MADISON

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 280.00 FEET

Static Water Level: 40.00 FEET

Casing Diameter: 12.00 INCHES

Reservoir: OFF STREAM

<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
	SESWNE	31	6S	3E	MADISON

Current Capacity: 1.84 ACRE-FEET

Purpose (Use): COMMERCIAL

Volume: 241.84 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1				6	7S	3E	MADISON
2		S2SWSW		31	6S	3E	MADISON
3			W2	5	7S	3E	MADISON
4			S2SE	5	7S	3E	MADISON
5			N2	8	7S	3E	MADISON
6				1	7S	2E	MADISON
7			S2	36	6S	2E	MADISON
8			S2	31	6S	3E	MADISON
9			NE	31	6S	3E	MADISON
10				2	7S	2E	MADISON
11				19	6S	3E	MADISON
12				30	6S	3E	MADISON
13				29	6S	3E	MADISON
14				25	6S	2E	MADISON
15				20	6S	3E	MADISON

Remarks:

Remarks:

ASSOCIATED RIGHT

THIS WATER RIGHT WILL BE ASSOCIATED WITH THE FOLLOWING WATER RIGHTS VIA A MANIFOLD SYSTEM, 41H-17415, 41H-61672, 41H-100737, 41H-122636.

WATER MEASUREMENT-WATER USE MEASURING DEVICE

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED WATER USE MEASURING DEVICE AT A POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN YEARLY RECORD OF THE FLOW RATE AND VOLUME OF ALL WATER DIVERTED INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE AND VOLUME ACCURATELY.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

PERMIT TO APPROPRIATE WATER

UPON FINDING THE REQUIREMENTS OF SECTION 85-2-311, MCA, HAVE BEEN MET, THIS PROVISIONAL PERMIT IS GRANTED.

Water Right Number: 41H 30001796 PROVISIONAL PERMIT
Version: 1 -- ORIGINAL RIGHT
Status: ACTIVE
MOUNTAIN VILLAGE NO. 7

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716 0670

Priority Date: APRIL 25, 2002 at 11:58 AM

Purpose (use): COMMERCIAL

Maximum Flow Rate: 300.00 GPM

Maximum Volume: 241.84 AC-FT

Maximum Acres: 36.50

Source:

Source Name: GROUNDWATER

Point of Diversion and Means of Diversion:

ID	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1		NWNENE	30	6S	3E	MADISON

Diversion Means: WELL

Well Depth: 280.00 FEET

Static Water Level: 40.00 FEET

Casing Diameter: 12.00 INCHES

Period of Diversion: JANUARY 1 to DECEMBER 31

Reservoir: OFF STREAM

Govt Lot	Qtr Sec	Sec	Twp	Rge	County
	SESWE	31	6S	3E	MADISON

Current Capacity: 1.84 ACRE-FEET

Purpose (Use): COMMERCIAL

Volume: 241.84 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1				6	7S	3E	MADISON
2			S2SWSW	31	6S	3E	MADISON
3			W2	5	7S	3E	MADISON
4			S2SE	5	7S	3E	MADISON
5			N2	8	7S	3E	MADISON
6				1	7S	2E	MADISON
7			S2	36	6S	2E	MADISON
8			S2	31	6S	3E	MADISON
9			NE	31	6S	3E	MADISON
10				2	7S	2E	MADISON
11				19	6S	3E	MADISON
12				30	6S	3E	MADISON
13				29	6S	3E	MADISON
14				25	6S	2E	MADISON
15				20	6S	3E	MADISON

COMPLETION DEADLINE

THE DEADLINE TO COMPLETE THIS PERMIT AND FILE A PROJECT COMPLETION NOTICE (FORM 617) IS **DECEMBER 31, 2013**. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, BY **DECEMBER 31, 2013**. OTHERWISE, THE PERMIT IS VOID.

ASSOCIATED RIGHT

THIS WATER RIGHT WILL BE ASSOCIATED WITH THE FOLLOWING WATER RIGHTS VIA A MANIFOLD SYSTEM, 41H-17415, 41H-61672, 41H-100737, 41H-122636.

WATER MEASUREMENT-WATER USE MEASURING DEVICE

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT APPROVED WATER USE MEASURING DEVICE AT A POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN YEARLY RECORD OF THE FLOW RATE AND VOLUME OF ALL WATER DIVERTED INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT REPORTS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE AND VOLUME ACCURATELY.

BACKFLOW PREVENTOR


PURSUANT TO SECTION 85-2-505, MCA, TO PREVENT GROUND-WATER CONTAMINATION, AN OPERATIONAL BACKFLOW PREVENTOR MUST BE INSTALLED AND MAINTAINED BY THE APPROPRIATOR IF A CHEMICAL OR FERTILIZER DISTRIBUTION SYSTEM IS CONNECTED TO THE WELL.

IF THE OWNERSHIP CHANGES ON ANY PORTION OF OR ALL OF THIS RIGHT, A WATER RIGHT OWNERSHIP UPDATE, FORM #608, MUST BE FILED WITH THE DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION.

THIS PROVISIONAL PERMIT IS SUBJECT TO ALL PRIOR EXISTING WATER RIGHTS IN THE SOURCE OF SUPPLY. FURTHER, THIS PERMIT IS SUBJECT TO ANY FINAL DETERMINATION OF EXISTING WATER RIGHTS, AS PROVIDED BY MONTANA LAW.

FAILURE TO COMPLY WITH ANY OF THESE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THIS PROVISIONAL PERMIT.


Witness Signature


Water Resources Division

DATE ISSUED: NOVEMBER 14, 2003

DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION



JUDY MARTZ
GOVERNOR

DIRECTOR'S OFFICE (406) 444-2074
TELEFAX NUMBER (406) 444-2684

STATE OF MONTANA

WATER RESOURCES DIVISION (406) 444-6601
TELEFAX NUMBERS (406) 444-0533 / (406) 444-5918

48 NORTH LAST CHANCE GULCH
PO BOX 201601
HELENA, MONTANA 59620-1601

To: Porter Desanko, Water Rights Specialist
Bozeman Water Resources Regional Office

From: Bill Uthman, Hydrogeologist
Water Management Bureau

Date: July 23, 2003

Re: Big Sky Water and Sewer District Application #30001796-41H

Introduction

Big Sky Water & Sewer District has applied for a Water Use Permit for a groundwater appropriation in NW NE NE Section 30 of Township 6 South, Range 3 East near Big Sky in Madison County. The application requests 300 gallons per minute (gpm) and up to 241.84 acre-feet per year from January 1 to December 31, inclusive each year for domestic and irrigation uses. The groundwater appropriation will be obtained from well #7 drilled to 280 feet and completed in a fractured igneous sill intruded into the Muddy Sandstone Formation with production zones from 253 to 280 feet. Well yield and drawdown tests were conducted at 300 gpm for 34 hours.

Discussion

The applicant demonstrated that groundwater is physically available at a 300-gpm discharge from well #7 for 34 hours, which is longer than the proposed periods of cyclic pumping. The yield tests also demonstrated that well #7 and existing well #4, located about 255 feet away, create significant mutual drawdown interference impacts. The applicant states that the mutual drawdown interference is acceptable, but that pumping schedules for each well need to be carefully controlled to prevent excessive pumping, that would create adverse drawdown impacts that would cause decreases in well production. The applicant recommends that pumping periods for well #7 be limited to cyclic pumping of up to 12 hours per day to prevent excessive drawdown interference in well #4. Each pumping period will be followed by a 12-hour period of water-level recovery. The importance of cyclic pumping is emphasized in the applicant's documentation and also is reflected in the proposed annual volume of 241.84 acre-feet to be appropriated. Only by adhering to a cyclic pumping schedule of up to 12 hours per day can the applicant limit the appropriated volume to that requested and also prevent significant drawdown impacts to well #4.

The applicant addressed the potential for adverse impact to other water users by explaining that all groundwater rights in Section 30 are those of the Big Sky Water & Sewer District. However, in Township 6 South, Range 2 East there are water rights registered to other water users. There is 1 groundwater right in Section 20 about 1 mile from well #7 and 5 groundwater rights in Section 24, the closest of which is about 5,000 feet away. The applicant did not demonstrate whether these wells would be impacted by the proposed appropriation. The applicant states that there are probably no immediate and observable impacts to the neighboring wells. However, hydrogeologic principles suggest that there will be a long-term adjustment of the potentiometric surface as a result of the proposed groundwater appropriation. The volume to be pumped from the aquifer will be obtained from the existing natural supply of water, that includes surface water and aquifer storage. If the aquifer is not hydrologically connected to a surface-water source, the groundwater appropriation will be obtained entirely from aquifer storage with a resulting eventual decline of the potentiometric surface throughout the area.

The applicant also is required to address the potential for adverse impacts to surface-water availability because the proposed appropriation is located within the Upper Missouri River Basin that is legislatively closed to new surface-water appropriations. The applicant states that the aquifer is confined and lies more than 250 feet below ground surface; thus, they argue that the aquifer is not in "direct connection" with any surface-water source in the vicinity of the well.

Conclusion

The applicant demonstrated that groundwater is physically available at a 300-gpm discharge for a 34-hour period, which is longer than the proposed periods of cyclic pumping. The applicant emphasizes that well #7 should only be pumped cyclically to limit drawdown impacts and prevent reductions in well production. The proposed cyclic pumping of 12 hours per day also is reflected in the proposed volume to be appropriated.

The applicant addressed the potential for adverse impact to other water users by stating that they own all water rights within a radius of about 1 mile. Although the applicant contends that they will not adversely impact other water users, they have not addressed this issue through groundwater-level monitoring or predictive analysis. The groundwater appropriation is expected to cause some eventual decline of the potentiometric surface, but it is unknown if it will be adverse. The applicant addressed the potential for impact to surface water by explaining that the aquifer is confined and is not in "direct connection" with area streams.

NOTICE OF ACTION FOR EXTENSION OF TIME

Big Sky County Water & Sewer District No. 363
PO Box 160670
Big Sky, MT 59716

PROVISIONAL PERMIT/AUTHORIZATION NUMBER:

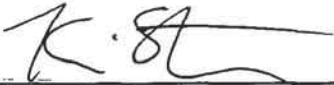
41H 30001796

APPROVED

The request for additional time to complete this project is approved because the appropriator has shown diligence in completing the project or shown good cause for not completing the project.

The notice of completion deadline is extended to December 31, 2033

PROGRESS REPORT DUE: NONE



Water Resources Regional Office

January 17, 2014

NOTICE

Montana Department of Natural Resources and Conservation
Water Resources Division
PO BOX 201601
Helena, MT 59601-1601



SURFACE WATER RIGHT
MIDDLE FORK WEST GALLATIN RIVER

STATEMENT OF CLAIM NOS: 41H 148445 00 & 41H 148446 00
COMPLETION DATE: 12/31/2037 (Change Authorization)

The District filed a change application for these statements of claims in 2016 as part of a project to modify Little Coyote pond to an off-stream reservoir and to change the allowed types of use. The new uses include Municipal for up to 139.85 acre-feet during the period from 6/1 to 10/15 annually within the District service area.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

A version with a more recent operating authority date exists. Contact DNRC for details.

Water Right Number: 41H 148445-00 STATEMENT OF CLAIM

Version: 5 -- CHANGE AUTHORIZATION

Version Status: ACTIVE

THIS AUTHORIZATION IS LIMITED TO THE AMOUNT OF THE HISTORIC USE RECOGNIZED BY THE DEPARTMENT IN THIS PROCEEDING AS SUBJECT TO CHANGE, AND WILL THEREAFTER NOT EXCEED THAT AMOUNT. IF THE HISTORIC USE IS REDUCED UNDER ADJUDICATION PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, PART 2, MCA, THIS AUTHORIZATION WILL BE LIMITED TO A LESSER AMOUNT.

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: JUNE 23, 1902

Enforceable Priority Date: JUNE 23, 1902

Purpose (use): MUNICIPAL
FISHERY
INSTREAM FISHERY

Irrigation Type: SPRINKLER

Maximum Flow Rate: 9.10 CFS

Historical Flow Rate: 9.10 CFS

Maximum Volume: 120.46 AC-FT

Historical Diverted Volume: 120.46 AC-FT

Historical Consumptive Volume: 99.27 AC-FT

Source Name: WEST GALLATIN RIVER, WEST FORK

Source Type: SURFACE WATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SE	SENE	36	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31 **Flow Rate:** 9.10 CFS

Diversion Means: HEADGATE

2		SE	SENE	36	6S	3E	GALLATIN
---	--	----	------	----	----	----	----------

Period of Diversion: JUNE 1 TO OCTOBER 15

Diversion Means: INSTREAM

3		NE	NENESE	31	6S	4E	GALLATIN
---	--	----	--------	----	----	----	----------

Period of Diversion: JUNE 1 TO OCTOBER 15

Diversion Means: INSTREAM

WATER IMPOUNDED IN LITTLE COYOTE POND IS DIVERTED BY PUMP AND CONVEYED TO THE PLACE OF USE.

Reservoir: OFF STREAM **Reservoir Name** LITTLE COYOTE POND

<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
	SE	SENE	36	6S	3E	GALLATIN

Diversion to Reservoir: DIVERSION # 1

Dam Height: 11.50 FEET

Depth: 10.00 FEET

Surface Area: 2.50 ACRES

Current Capacity: 14.00 ACRE-FEET

Period of Use: JUNE 1 to OCTOBER 15

Purpose (Use): MUNICIPAL

Period of Use: JUNE 1 to OCTOBER 15

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			NE	25	6S	2E	GALLATIN
2				19	6S	3E	GALLATIN
3			W2SWSW	20	6S	3E	GALLATIN
4			S2SW	25	6S	3E	GALLATIN
5			SW	26	6S	3E	GALLATIN
6			SWSE	26	6S	3E	GALLATIN
7			S2	28	6S	3E	GALLATIN
8			S2NW	28	6S	3E	GALLATIN
9			NW	29	6S	3E	GALLATIN
10				30	6S	3E	GALLATIN
11				33	6S	3E	GALLATIN
12			S2	34	6S	3E	GALLATIN
13			NW	34	6S	3E	GALLATIN
14				35	6S	3E	GALLATIN
15				36	6S	3E	GALLATIN
16			N2	31	6S	4E	GALLATIN
17			W2SW	31	6S	4E	GALLATIN
18				1	7S	3E	GALLATIN
19			NE	2	7S	3E	GALLATIN
20			W2W2	3	7S	3E	GALLATIN
21				4	7S	3E	GALLATIN
22			E2	5	7S	3E	GALLATIN
23			E2NW	5	7S	3E	GALLATIN

Purpose (Use): FISHERY

Period of Use: JUNE 1 to OCTOBER 15

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			E2SENE	36	6S	3E	GALLATIN

Purpose (Use): INSTREAM FISHERY

Period of Use: JUNE 1 to OCTOBER 15

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			E2SENE	36	6S	3E	GALLATIN
2			SWNW	31	6S	4E	GALLATIN
3			S2SENE	31	6S	4E	GALLATIN
4			S2SWNE	31	6S	4E	GALLATIN
5			SWSENE	31	6S	4E	GALLATIN
6			N2NESE	31	6S	4E	GALLATIN
7			NWSW	32	6S	4E	GALLATIN
8			S2NESW	32	6S	4E	GALLATIN
9			S2NWSE	32	6S	4E	GALLATIN
10			S2NESE	32	6S	4E	GALLATIN

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE SUPPLEMENTAL WHICH MEANS THE RIGHTS HAVE OVERLAPPING PLACES OF USE. THE RIGHTS CAN BE COMBINED TO IRRIGATE ONLY OVERLAPPING PARCELS. EACH RIGHT IS LIMITED TO THE FLOW RATE AND PLACE OF USE OF THAT INDIVIDUAL RIGHT. THE SUM TOTAL VOLUME OF THESE WATER RIGHTS SHALL NOT EXCEED THE AMOUNT PUT TO HISTORICAL AND BENEFICIAL USE.

148445-00 148446-00

THE MEANS OF DIVERSION, VOLUME, AND PERIOD OF DIVERSION WERE AMENDED BY THE WATER COURT PURSUANT TO SECTION 85-2-233(6), MCA.

STARTING IN 2008, PERIOD OF DIVERSION WAS ADDED TO MOST CLAIM ABSTRACTS, INCLUDING THIS ONE.

Remarks:

WATER MEASUREMENT - MUNICIPAL DIVERTED VOLUME LIMITATION:

UNDER BOTH STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00, THE APPROPRIATOR MAY DIVERT A COMBINED MAXIMUM OF 139.85 AF ANNUALLY FROM LITTLE COYOTE POND FOR MUNICIPAL PURPOSES.

THE TOTAL DIVERTED VOLUME FOR STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00 IS 240.92 AC-FT. UNDER THIS CHANGE AUTHORIZATION, THE SUM OF THE VOLUMES FOR THE INDIVIDUAL PURPOSES IS 221.85 AC-FT. A VOLUME OF 19.06 AC-FT IS UNATTRIBUTED TO A SPECIFIC PURPOSE.

41H 148445-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148445-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT THE FULL HISTORICALLY DIVERTED VOLUME OF 52.97 AF TO THE HISTORICAL POINT OF DIVERSION IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR.

THE PROTECTED REACH ENCOMPASSES THE STRETCH OF THE WEST FORK OF THE WEST GALLATIN RIVER FROM LITTLE COYOTE POND AT A POINT IN THE SESENE OF SECTION 36, T06 S, R03 E, TO THE WEST FORK'S CONFLUENCE WITH THE WEST GALLATIN RIVER AT A POINT IN THE SESENE OF SECTION 33, T06 S, R04 E. THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 35.00 GPM ALONG THIS REACH BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 159.8 GPM ALONG THIS REACH FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A TEMPORARY INSTREAM PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE AUTHORIZATION IS A CONTINUOUS FLOW RATE OF 319.6 GPM OR A 30-DAY PULSED FLOW RATE OF 70.00 GPM, BOTH EQUATING TO 42.38 AF OF CONSUMED VOLUME BEING PROTECTED EACH YEAR.

41H 148445-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - FISHERY CHANGE (LITTLE COYOTE POND):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148445-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 5.90 GPM ALONG THE NEW INLET AND DIVERSION WORKS IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 26.96 GPM ALONG THE NEW INLET AND DIVERSION WORKS FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A FISHERIES PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE AUTHORIZATION IS A CONTINUOUS FLOW RATE OF 11.80 GPM OR A 30-DAY PULSED FLOW RATE OF 53.92 GPM, BOTH EQUATING TO 7.15 AF OF HISTORICALLY CONSUMED AND DIVERTED VOLUME BEING PROTECTED EACH YEAR.

WATER MEASUREMENT PLAN - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH INSTREAM FLOW PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 70.00 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 319.6 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 70.00 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER MEASUREMENT PLAN - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH FISHERY PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 11.80 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 53.92 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN

Remarks:

MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 11.80 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER RIGHT OWNERSHIP UPDATE RECEIVED 03/05/1999.

WATER MEASUREMENT RECORDS REQUIRED - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE WATER PROTECTED ALONG THE NEW INLET AND DIVERSION WORKS OF LITTLE COYOTE POND ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES.

MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

WATER MEASUREMENT - MUNICIPAL VOLUME MEASUREMENT RECORDS REQUIRED:

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT-APPROVED MEASURING DEVICE AT A POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN RECORD OF THE VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT RECORDS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES THE VOLUME ACCURATELY.

WATER MEASUREMENT RECORDS REQUIRED - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE PROTECTED REACH OF THE WEST FORK OF THE WEST GALLATIN RIVER IN GALLATIN COUNTY ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST DURING THE TEMPORARY CHANGE AUTHORIZATION. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

A version with a more recent operating authority date exists. Contact DNRC for details.

Water Right Number: 41H 148446-00 STATEMENT OF CLAIM

Version: 5 -- CHANGE AUTHORIZATION

Version Status: ACTIVE

THIS AUTHORIZATION IS LIMITED TO THE AMOUNT OF THE HISTORIC USE RECOGNIZED BY THE DEPARTMENT IN THIS PROCEEDING AS SUBJECT TO CHANGE, AND WILL THEREAFTER NOT EXCEED THAT AMOUNT. IF THE HISTORIC USE IS REDUCED UNDER ADJUDICATION PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, PART 2, MCA, THIS AUTHORIZATION WILL BE LIMITED TO A LESSER AMOUNT.

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716-0670

Priority Date: MAY 15, 1952

Enforceable Priority Date: MAY 15, 1952

Purpose (use): MUNICIPAL
FISHERY
INSTREAM FISHERY

Irrigation Type: SPRINKLER

Maximum Flow Rate: 9.10 CFS

Historical Flow Rate: 9.10 CFS

Maximum Volume: 120.46 AC-FT

Historical Diverted Volume: 120.46 AC-FT

Historical Consumptive Volume: 99.27 AC-FT

Source Name: WEST GALLATIN RIVER, WEST FORK

Source Type: SURFACE WATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SE	SENE	36	6S	3E GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31 **Flow Rate:** 9.10 CFS

Diversion Means: HEADGATE

2		SE	SENE	36	6S	3E GALLATIN
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Period of Diversion: JUNE 1 TO OCTOBER 15

Diversion Means: INSTREAM

3		NE	NENESE	31	6S	4E GALLATIN
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Period of Diversion: JUNE 1 TO OCTOBER 15

Diversion Means: INSTREAM

WATER IMPOUNDED IN LITTLE COYOTE POND IS DIVERTED BY PUMP AND CONVEYED TO THE PLACE OF USE.

Reservoir: OFF STREAM **Reservoir Name** LITTLE COYOTE POND

<u>Govt Lot</u>	<u>Qtr</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
	SE	SENE	36	6S	3E GALLATIN

Diversion to Reservoir: DIVERSION # 1

Dam Height: 11.50 FEET

Depth: 10.00 FEET

Surface Area: 2.50 ACRES

Current Capacity: 14.00 ACRE-FEET

Period of Use: JUNE 1 to OCTOBER 15

Purpose (Use): MUNICIPAL

Period of Use: JUNE 1 to OCTOBER 15

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			NE	25	6S	2E	GALLATIN
2				19	6S	3E	GALLATIN
3			W2SWSW	20	6S	3E	GALLATIN
4			S2SW	25	6S	3E	GALLATIN
5			SW	26	6S	3E	GALLATIN
6			SWSE	26	6S	3E	GALLATIN
7			S2	28	6S	3E	GALLATIN
8			S2NW	28	6S	3E	GALLATIN
9			NW	29	6S	3E	GALLATIN
10				30	6S	3E	GALLATIN
11				33	6S	3E	GALLATIN
12			S2	34	6S	3E	GALLATIN
13			NW	34	6S	3E	GALLATIN
14				35	6S	3E	GALLATIN
15				36	6S	3E	GALLATIN
16			N2	31	6S	4E	GALLATIN
17			W2SW	31	6S	4E	GALLATIN
18				1	7S	3E	GALLATIN
19			NE	2	7S	3E	GALLATIN
20			W2W2	3	7S	3E	GALLATIN
21				4	7S	3E	GALLATIN
22			E2	5	7S	3E	GALLATIN
23			E2NW	5	7S	3E	GALLATIN

Purpose (Use): FISHERY

Period of Use: JUNE 1 to OCTOBER 15

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			E2SENE	36	6S	3E	GALLATIN

Purpose (Use): INSTREAM FISHERY

Period of Use: JUNE 1 to OCTOBER 15

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			E2SENE	36	6S	3E	GALLATIN
2			SWNW	31	6S	4E	GALLATIN
3			S2SENE	31	6S	4E	GALLATIN
4			S2SWNE	31	6S	4E	GALLATIN
5			SWSENE	31	6S	4E	GALLATIN
6			N2NESE	31	6S	4E	GALLATIN
7			NWSW	32	6S	4E	GALLATIN
8			S2NESW	32	6S	4E	GALLATIN
9			S2NWSE	32	6S	4E	GALLATIN
10			S2NESE	32	6S	4E	GALLATIN

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE SUPPLEMENTAL WHICH MEANS THE RIGHTS HAVE OVERLAPPING PLACES OF USE. THE RIGHTS CAN BE COMBINED TO IRRIGATE ONLY OVERLAPPING PARCELS. EACH RIGHT IS LIMITED TO THE FLOW RATE AND PLACE OF USE OF THAT INDIVIDUAL RIGHT. THE SUM TOTAL VOLUME OF THESE WATER RIGHTS SHALL NOT EXCEED THE AMOUNT PUT TO HISTORICAL AND BENEFICIAL USE.

148445-00 148446-00

THE MEANS OF DIVERSION, VOLUME, AND PERIOD OF DIVERSION WERE AMENDED BY THE WATER COURT PURSUANT TO SECTION 85-2-233(6), MCA.

STARTING IN 2008, PERIOD OF DIVERSION WAS ADDED TO MOST CLAIM ABSTRACTS, INCLUDING THIS ONE.

Remarks:

41H 148446-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148446-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT THE FULL HISTORICALLY DIVERTED VOLUME OF 52.97 AF TO THE HISTORICAL POINT OF DIVERSION IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR.

THE PROTECTED REACH ENCOMPASSES THE STRETCH OF THE WEST FORK OF THE WEST GALLATIN RIVER FROM LITTLE COYOTE POND AT A POINT IN THE SESENE OF SECTION 36, T06 S, R03 E, TO THE WEST FORK'S CONFLUENCE WITH THE WEST GALLATIN RIVER AT A POINT IN THE SESENE OF SECTION 33, T06 S, R04 E. THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 35.00 GPM ALONG THIS REACH BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 159.8 GPM ALONG THIS REACH FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A TEMPORARY INSTREAM PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE AUTHORIZATION IS A CONTINUOUS FLOW RATE OF 319.6 GPM OR A 30-DAY PULSED FLOW RATE OF 70.00 GPM, BOTH EQUATING TO 42.38 AF OF CONSUMED VOLUME BEING PROTECTED EACH YEAR.

WATER MEASUREMENT - MUNICIPAL DIVERTED VOLUME LIMITATION:

UNDER BOTH STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00, THE APPROPRIATOR MAY DIVERT A COMBINED MAXIMUM OF 139.85 AF ANNUALLY FROM LITTLE COYOTE POND FOR MUNICIPAL PURPOSES.

41H 148446-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - FISHERY CHANGE (LITTLE COYOTE POND):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148446-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 5.90 GPM ALONG THE NEW INLET AND DIVERSION WORKS IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 26.96 GPM ALONG THE NEW INLET AND DIVERSION WORKS FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A FISHERIES PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE IS A CONTINUOUS FLOW RATE OF 11.80 GPM OR A PULSED FLOW RATE OF 53.92 GPM, BOTH EQUATING TO 7.15 AF OF CONSUMED AND DIVERTED VOLUME BEING PROTECTED EACH YEAR.

THE TOTAL DIVERTED VOLUME FOR STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00 IS 240.92 AC-FT. UNDER THIS CHANGE AUTHORIZATION, THE SUM OF THE VOLUMES FOR THE INDIVIDUAL PURPOSES IS 221.85 AC-FT. A VOLUME OF 19.06 AC-FT IS UNATTRIBUTED TO A SPECIFIC PURPOSE.

WATER MEASUREMENT PLAN - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH FISHERY PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 11.80 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 53.92 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 11.80 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER MEASUREMENT PLAN - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH INSTREAM FLOW PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 70.00 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 319.6 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN

Remarks:

MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 70.00 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER RIGHT OWNERSHIP UPDATE RECEIVED 03/05/1999.

WATER MEASUREMENT RECORDS REQUIRED - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE PROTECTED REACH OF THE WEST FORK OF THE WEST GALLATIN RIVER IN GALLATIN COUNTY ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST DURING THE TEMPORARY CHANGE AUTHORIZATION. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

WATER MEASUREMENT RECORDS REQUIRED - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE WATER PROTECTED ALONG THE NEW INLET AND DIVERSION WORKS OF LITTLE COYOTE POND ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

WATER MEASUREMENT - MUNICIPAL VOLUME MEASUREMENT RECORDS REQUIRED:

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT-APPROVED MEASURING DEVICE AT A POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN RECORD OF THE VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT RECORDS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES THE VOLUME ACCURATELY.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O. BOX 201601 HELENA, MONTANA 59620-1601

CHANGE AUTHORIZATION

UPON FINDING THE REQUIREMENTS OF SECTION 85-2-402, MCA HAVE BEEN MET, APPLICATION TO CHANGE WATER RIGHT NUMBER 41H-30104096 SUBMITTED ON FEBRUARY 13, 2017, IS APPROVED.

Application From: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716 0670

Water Right Number(s) Changed:	Wr #	Ext	Type
	41H-148445	00	STATEMENT OF CLAIM
	41H-148445	00	STATEMENT OF CLAIM
	41H-148446	00	STATEMENT OF CLAIM
	41H-148446	00	STATEMENT OF CLAIM

Authorization Limits

Flow Rate: 18.20 CFS
Volume: 240.92 AC-FT

Change Description:

THE APPLICANT IS AUTHORIZED TO CHANGE THE PURPOSE, PLACE OF USE, POINT OF DIVERSION, AND PLACE OF STORAGE FOR STATEMENT OF CLAIMS 41H 148445-00 AND 41H 148446-00.

THE NEW PURPOSES ARE MUNICIPAL, TEMPORARY INSTREAM FLOW, AND FISHERY. THE APPLICANT IS AUTHORIZED TO CHANGE 161.73 AF TO A MUNICIPAL PURPOSE AND TO CHANGE ITS PLACE OF USE TO THE SERVICE AREA OUTLINED BY THE MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY FOR THE BIG SKY COUNTY WATER AND SEWER DISTRICT #363.

THE CAPACITY AND SURFACE AREA OF THE RESERVOIR WILL BE REDUCED, MAKING A TOTAL OF 7.15 AF OF WATER AVAILABLE. THIS VOLUME OF WATER WILL BE PROTECTED ALONG THE INLET CHANNEL AND DIVERSION WORKS FOR A FISHERY PURPOSE.

THE POINT OF DIVERSION FOR LITTLE COYOTE POND IS AUTHORIZED TO BE CHANGED FROM AN ON-STREAM DAM TO A HEADGATE AND WILL REMAIN WITHIN THE SAME 10-ACRE LEGAL LAND DESCRIPTION, IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY.

THE APPLICANT IS AUTHORIZED TO CHANGE TEMPORARILY THE PURPOSE OF A PORTION OF THE VOLUME TO INSTREAM FLOW IN THE WEST FORK OF THE WEST GALLATIN RIVER FOR A PERIOD OF FIVE YEARS. UP TO 52.97 AF OF HISTORICALLY DIVERTED VOLUME IS PROTECTABLE TO THE LOCATION OF THE NEW HEADGATE IN THE SESENE OF SECTION 36, T06, R03 E, GALLATIN COUNTY. THE HISTORICALLY CONSUMED VOLUME OF 42.38 AF IS PROTECTABLE ALONG A DOWNSTREAM REACH FROM LITTLE COYOTE POND TO THE CONFLUENCE OF THE WEST FORK WITH THE WEST GALLATIN RIVER AT A POINT IN THE SESENE OF SECTION 33, T06 S, R04. THE APPLICANT SHALL TAKE STREAMFLOW MEASUREMENTS AT A SUITABLE CROSS-SECTION LOCATED NEAR THE NENESE OF SECTION 31, T06 S, R04 E, GALLATIN COUNTY.

COMPLETION DEADLINE

THE DEADLINE TO COMPLETE THIS AUTHORIZATION AND FILE A PROJECT COMPLETION NOTICE FOR CHANGE OF APPROPRIATION WATER RIGHT (FORM 618) IS **DECEMBER 31, 2037**. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, BY **DECEMBER 31, 2037**. OTHERWISE, THE AUTHORIZATION IS VOID.

CONDITIONAL APPROVAL

THIS AUTHORIZATION IS LIMITED TO THE AMOUNT OF THE HISTORIC USE RECOGNIZED BY THE DEPARTMENT IN THIS PROCEEDING AS SUBJECT TO CHANGE, AND WILL THEREAFTER NOT EXCEED THAT AMOUNT. IF THE HISTORIC USE IS REDUCED UNDER ADJUDICATION PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, PART 2, MCA, THIS AUTHORIZATION WILL BE LIMITED TO A LESSER AMOUNT.

TEMPORARY CHANGE/PERMIT OR INTERIM PERMIT EXPIRATION

THIS RIGHT EXPIRES ON **OCTOBER 17, 2022**.

FAILURE TO COMPLY WITH ANY OF THESE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THIS CHANGE AUTHORIZATION.



Witness Signature



Water Resources Division

DATE ISSUED: OCTOBER 27, 2017

**THE INFORMATION SHOWN BELOW REFLECTS THE ENTIRE WATER RIGHT.
AN ASTERISK (*) HAS BEEN PLACED NEXT TO EACH ITEM ALTERED BY THIS CHANGE AUTHORIZATION.**

Water Right Number: 41H 148445-00 STATEMENT OF CLAIM
Version: 5 -- CHANGE AUTHORIZATION
Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716 0670

Priority Date: JUNE 23, 1902
Enforceable Priority Date: JUNE 23, 1902

Purpose (use): MUNICIPAL
FISHERY
INSTREAM FISHERY

Maximum Flow Rate: 9.10 CFS
Historical Flow Rate: 9.10 CFS
Maximum Volume: 120.46 AC-FT
Historical Diverted
Volume: 120.46 AC-FT
Historical Consumptive
Volume: 99.27 AC-FT

Source Name: WEST GALLATIN RIVER, WEST FORK
Source Type: SURFACE WATER

***Point of Diversion and Means of Diversion:**

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1		SESENE	36	6S	3E	GALLATIN
Period of Diversion: JANUARY 1 TO DECEMBER 31						Flow Rate: 9.10 CFS
Diversion Means: HEADGATE						
*2		SESENE	36	6S	3E	GALLATIN
Period of Diversion: JUNE 1 TO OCTOBER 15						
Diversion Means: INSTREAM						
*3		NENESE	31	6S	4E	GALLATIN
Period of Diversion: JUNE 1 TO OCTOBER 15						
Diversion Means: INSTREAM						

*Reservoir: OFF STREAM Reservoir Name: LITTLE COYOTE POND

	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
		SESENE	36	6S	3E	GALLATIN
Dam Height:	11.50 FEET					
Depth:	10.00 FEET					
Surface Area:	2.50 ACRES					
Current Capacity:	14.00 ACRE-FEET					

*Purpose (Use): MUNICIPAL
Volume: 80.87 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

*Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1			NE	25	6S	2E	GALLATIN
*2				19	6S	3E	GALLATIN
*3			W2SWSW	20	6S	3E	GALLATIN
*4			S2SW	25	6S	3E	GALLATIN
*5			SW	26	6S	3E	GALLATIN
*6			SWSE	26	6S	3E	GALLATIN
*7			S2	28	6S	3E	GALLATIN
*8			S2NW	28	6S	3E	GALLATIN
*9			NW	29	6S	3E	GALLATIN
*10				30	6S	3E	GALLATIN
*11				33	6S	3E	GALLATIN
*12			S2	34	6S	3E	GALLATIN
*13			NW	34	6S	3E	GALLATIN
*14				35	6S	3E	GALLATIN
*15				36	6S	3E	GALLATIN
*16			N2	31	6S	4E	GALLATIN
*17			W2SW	31	6S	4E	GALLATIN
*18				1	7S	3E	GALLATIN
*19			NE	2	7S	3E	GALLATIN
*20			W2W2	3	7S	3E	GALLATIN
*21				4	7S	3E	GALLATIN
*22			E2	5	7S	3E	GALLATIN
*23			E2NW	5	7S	3E	GALLATIN

Purpose (Use): FISHERY
Volume: 3.57 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

*Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1			E2SENE	36	6S	3E	GALLATIN

Purpose (Use): INSTREAM FISHERY
Volume: 26.49 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

*Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1			E2SENE	36	6S	3E	GALLATIN
*2			SWNW	31	6S	4E	GALLATIN
*3			S2SENE	31	6S	4E	GALLATIN
*4			S2SWNE	31	6S	4E	GALLATIN
*5			SWSENE	31	6S	4E	GALLATIN
*6			N2NESE	31	6S	4E	GALLATIN
*7			NWSW	32	6S	4E	GALLATIN
*8			S2NESW	32	6S	4E	GALLATIN
*9			S2NWSE	32	6S	4E	GALLATIN
*10			S2NESE	32	6S	4E	GALLATIN

IMPORTANT INFORMATION

WATER MEASUREMENT - MUNICIPAL DIVERTED VOLUME LIMITATION:

UNDER BOTH STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00, THE APPROPRIATOR MAY DIVERT A COMBINED MAXIMUM OF 139.85 AF ANNUALLY FROM LITTLE COYOTE POND FOR MUNICIPAL PURPOSES.

41H 148445-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148445-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT THE FULL HISTORICALLY DIVERTED VOLUME OF 52.97 AF TO THE HISTORICAL POINT OF DIVERSION IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR.

THE PROTECTED REACH ENCOMPASSES THE STRETCH OF THE WEST FORK OF THE WEST GALLATIN RIVER FROM LITTLE COYOTE POND AT A POINT IN THE SESENE OF SECTION 36, T06 S, R03 E, TO THE WEST FORK'S CONFLUENCE WITH THE WEST GALLATIN RIVER AT A POINT IN THE SESENE OF SECTION 33, T06 S, R04 E. THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 35.00 GPM ALONG THIS REACH BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 159.8 GPM ALONG THIS REACH FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A TEMPORARY INSTREAM PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE AUTHORIZATION IS A CONTINUOUS FLOW RATE OF 319.6 GPM OR A 30-DAY PULSED FLOW RATE OF 70.00 GPM, BOTH EQUATING TO 42.38 AF OF CONSUMED VOLUME BEING PROTECTED EACH YEAR.

THE TOTAL DIVERTED VOLUME FOR STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00 IS 240.92 AC-FT. UNDER THIS CHANGE AUTHORIZATION, THE SUM OF THE VOLUMES FOR THE INDIVIDUAL PURPOSES IS 221.85 AC-FT. A VOLUME OF 19.06 AC-FT IS UNATTRIBUTED TO A SPECIFIC PURPOSE.

41H 148445-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - FISHERY CHANGE (LITTLE COYOTE POND):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148445-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 5.90 GPM ALONG THE NEW INLET AND DIVERSION WORKS IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 26.96 GPM ALONG THE NEW INLET AND DIVERSION WORKS FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A FISHERIES PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE AUTHORIZATION IS A CONTINUOUS FLOW RATE OF 11.80 GPM OR A 30-DAY PULSED FLOW RATE OF 53.92 GPM, BOTH EQUATING TO 7.15 AF OF HISTORICALLY CONSUMED AND DIVERTED VOLUME BEING PROTECTED EACH YEAR.

WATER MEASUREMENT PLAN - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH FISHERY PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 11.80 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 53.92 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 11.80 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER MEASUREMENT PLAN - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH INSTREAM FLOW PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 70.00 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 319.6 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START

AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 70.00 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER MEASUREMENT INFORMATION

WATER MEASUREMENT RECORDS REQUIRED - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE WATER PROTECTED ALONG THE NEW INLET AND DIVERSION WORKS OF LITTLE COYOTE POND ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

WATER MEASUREMENT RECORDS REQUIRED - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE PROTECTED REACH OF THE WEST FORK OF THE WEST GALLATIN RIVER IN GALLATIN COUNTY ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST DURING THE TEMPORARY CHANGE AUTHORIZATION. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

WATER MEASUREMENT - MUNICIPAL VOLUME MEASUREMENT RECORDS REQUIRED:

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT-APPROVED MEASURING DEVICE AT A POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN RECORD OF THE VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT RECORDS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES THE VOLUME ACCURATELY.

**THE INFORMATION SHOWN BELOW REFLECTS THE ENTIRE WATER RIGHT.
AN ASTERISK (*) HAS BEEN PLACED NEXT TO EACH ITEM ALTERED BY THIS CHANGE AUTHORIZATION.**

Water Right Number: 41H 148445-00 STATEMENT OF CLAIM
Version: 3 -- CHANGE AUTHORIZATION
Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716 0670

Priority Date: JUNE 23, 1902
Enforceable Priority Date: JUNE 23, 1902

Purpose (use): FISHERY
IRRIGATION
MUNICIPAL

Maximum Flow Rate: 9.10 CFS
Historical Flow Rate: 9.10 CFS
Maximum Volume: 120.46 AC-FT
Historical Diverted Volume: 120.46 AC-FT
Historical Consumptive Volume: 99.27 AC-FT
Maximum Acres: 60.00

Source Name: WEST GALLATIN RIVER, WEST FORK
Source Type: SURFACE WATER

***Point of Diversion and Means of Diversion:**

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1		SESENE	36	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31
Diversion Means: HEADGATE
Flow Rate: 9.10 CFS

***Reservoir: OFF STREAM Reservoir Name: LITTLE COYOTE POND**

	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
		SESENE	36	6S	3E	GALLATIN

Dam Height: 11.50 FEET
Depth: 10.00 FEET
Surface Area: 2.50 ACRES
Current Capacity: 14.00 ACRE-FEET

*Purpose (Use): FISHERY
Volume: 3.57 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

***Place of Use:**

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1			E2SENE	36	6S	3E	GALLATIN

Purpose (Use): IRRIGATION
Climatic Area: 5 - LOW
Volume: 26.49 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1	100.00		SE	36	6S	3E	GALLATIN
2	100.00		SW	36	6S	3E	GALLATIN
3	35.00		S2S2NE	36	6S	3E	GALLATIN
4	5.00		SENE	36	6S	3E	GALLATIN
Total:	240.00						

*Purpose (Use): MUNICIPAL
Volume: 80.87 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

*Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1			NE	25	6S	2E	GALLATIN
*2				19	6S	3E	GALLATIN
*3			W2SWSW	20	6S	3E	GALLATIN
*4			S2SW	25	6S	3E	GALLATIN
*5			SW	26	6S	3E	GALLATIN
*6			SWSE	26	6S	3E	GALLATIN
*7			S2	28	6S	3E	GALLATIN
*8			S2NW	28	6S	3E	GALLATIN
*9			NW	29	6S	3E	GALLATIN
*10				30	6S	3E	GALLATIN
*11				33	6S	3E	GALLATIN
*12			S2	34	6S	3E	GALLATIN
*13			NW	34	6S	3E	GALLATIN
*14				35	6S	3E	GALLATIN
*15				36	6S	3E	GALLATIN
*16			N2	31	6S	4E	GALLATIN
*17			W2SW	31	6S	4E	GALLATIN
*18				1	7S	3E	GALLATIN
*19			NE	2	7S	3E	GALLATIN
*20			W2W2	3	7S	3E	GALLATIN
*21				4	7S	3E	GALLATIN
*22			E2	5	7S	3E	GALLATIN
*23			E2NW	5	7S	3E	GALLATIN

IMPORTANT INFORMATION

41H 148445-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - FISHERY CHANGE (LITTLE COYOTE POND):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148445-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 5.90 GPM ALONG THE NEW INLET AND DIVERSION WORKS IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 26.96 GPM ALONG THE NEW INLET AND DIVERSION WORKS FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A FISHERIES PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE AUTHORIZATION IS A CONTINUOUS FLOW RATE OF 11.80 GPM OR A 30-DAY PULSED FLOW RATE OF 53.92 GPM, BOTH EQUATING TO 7.15 AF OF HISTORICALLY CONSUMED AND DIVERTED VOLUME BEING PROTECTED EACH YEAR.

WATER MEASUREMENT - MUNICIPAL DIVERTED VOLUME LIMITATION:

UNDER BOTH STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00, THE APPROPRIATOR MAY DIVERT A COMBINED MAXIMUM OF 139.85 AF ANNUALLY FROM LITTLE COYOTE POND FOR MUNICIPAL PURPOSES.

THE TOTAL DIVERTED VOLUME FOR STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00 IS 240.92 AC-FT. UNDER THIS CHANGE AUTHORIZATION, THE SUM OF THE VOLUMES FOR THE INDIVIDUAL PURPOSES IS 221.85 AC-FT. A VOLUME OF 19.06 AC-FT IS UNATTRIBUTED TO A SPECIFIC PURPOSE.

THE IRRIGATION PLACE OF USE AUTHORIZED IN THIS VERSION IS A MAXIMUM OF 60 ACRES WITHIN THE HISTORICAL 240-ACRE PLACE OF USE.

WATER MEASUREMENT PLAN - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH FISHERY PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 11.80 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 53.92 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 11.80 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER MEASUREMENT INFORMATION

WATER MEASUREMENT RECORDS REQUIRED - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE WATER PROTECTED ALONG THE NEW INLET AND DIVERSION WORKS OF LITTLE COYOTE POND ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

WATER MEASUREMENT - MUNICIPAL VOLUME MEASUREMENT RECORDS REQUIRED:

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT-APPROVED MEASURING DEVICE AT A POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN RECORD OF THE VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT RECORDS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES THE VOLUME ACCURATELY.

THE INFORMATION SHOWN BELOW REFLECTS THE ENTIRE WATER RIGHT.
AN ASTERISK (*) HAS BEEN PLACED NEXT TO EACH ITEM ALTERED BY THIS CHANGE AUTHORIZATION.

Water Right Number: 41H 148446-00 STATEMENT OF CLAIM
Version: 3 -- CHANGE AUTHORIZATION
Version Status: ACTIVE

Owners: BIG SKY COUNTY WATER & SEWER DIST #363
% RON EDWARDS
PO BOX 160670
BIG SKY, MT 59716 0670

Priority Date: MAY 15, 1952
Enforceable Priority Date: MAY 15, 1952

Purpose (use): FISHERY
IRRIGATION
MUNICIPAL

Maximum Flow Rate: 9.10 CFS
Historical Flow Rate: 9.10 CFS
Maximum Volume: 120.46 AC-FT
Historical Diverted
Volume: 120.46 AC-FT
Historical Consumptive
Volume: 99.27 AC-FT
Maximum Acres: 60.00

Source Name: WEST GALLATIN RIVER, WEST FORK
Source Type: SURFACE WATER

***Point of Diversion and Means of Diversion:**

ID	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
*1		SESENE	36	6S	3E	GALLATIN

Period of Diversion: JANUARY 1 TO DECEMBER 31
Diversion Means: HEADGATE
Flow Rate: 9.10 CFS

***Reservoir:** OFF STREAM Reservoir Name: LITTLE COYOTE POND

	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
		SESENE	36	6S	3E	GALLATIN

Dam Height: 11.50 FEET
Depth: 10.00 FEET
Surface Area: 2.50 ACRES
Current Capacity: 14.00 ACRE-FEET

Purpose (Use): FISHERY
Volume: 3.58 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

***Place of Use:**

ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
*1			E2SENE	36	6S	3E	GALLATIN

Purpose (Use): IRRIGATION
Climatic Area: 5 - LOW
Volume: 26.48 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

Place of Use:

ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1	100.00		SE	36	6S	3E	GALLATIN
2	100.00		SW	36	6S	3E	GALLATIN
3	35.00		S2S2NE	36	6S	3E	GALLATIN
4	5.00		SENE	36	6S	3E	GALLATIN
Total:	240.00						

*Purpose (Use): MUNICIPAL
Volume: 80.86 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

*Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twg</u>	<u>Rge</u>	<u>County</u>
*1			NE	25	6S	2E	GALLATIN
*2				19	6S	3E	GALLATIN
*3			W2SWSW	20	6S	3E	GALLATIN
*4			S2SW	25	6S	3E	GALLATIN
*5			SW	26	6S	3E	GALLATIN
*6			SWSE	26	6S	3E	GALLATIN
*7			S2	28	6S	3E	GALLATIN
*8			S2NW	28	6S	3E	GALLATIN
*9			NW	29	6S	3E	GALLATIN
*10				30	6S	3E	GALLATIN
*11				33	6S	3E	GALLATIN
*12			S2	34	6S	3E	GALLATIN
*13			NW	34	6S	3E	GALLATIN
*14				35	6S	3E	GALLATIN
*15				36	6S	3E	GALLATIN
*16			N2	31	6S	4E	GALLATIN
*17			W2SW	31	6S	4E	GALLATIN
*18				1	7S	3E	GALLATIN
*19			NE	2	7S	3E	GALLATIN
*20			W2W2	3	7S	3E	GALLATIN
*21				4	7S	3E	GALLATIN
*22			E2	5	7S	3E	GALLATIN
*23			E2NW	5	7S	3E	GALLATIN

IMPORTANT INFORMATION

WATER MEASUREMENT - MUNICIPAL DIVERTED VOLUME LIMITATION:

UNDER BOTH STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00, THE APPROPRIATOR MAY DIVERT A COMBINED MAXIMUM OF 139.85 AF ANNUALLY FROM LITTLE COYOTE POND FOR MUNICIPAL PURPOSES.

THE TOTAL DIVERTED VOLUME FOR STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00 IS 240.92 AC-FT. UNDER THIS CHANGE AUTHORIZATION, THE SUM OF THE VOLUMES FOR THE INDIVIDUAL PURPOSES IS 221.85 AC-FT. A VOLUME OF 19.06 AC-FT IS UNATTRIBUTED TO A SPECIFIC PURPOSE.

41H 148446-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - FISHERY CHANGE (LITTLE COYOTE POND):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148446-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 5.90 GPM ALONG THE NEW INLET AND DIVERSION WORKS IN THE SEENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 26.96 GPM ALONG THE NEW INLET AND DIVERSION WORKS FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A FISHERIES PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE IS A CONTINUOUS FLOW RATE OF 11.80 GPM OR A PULSED FLOW RATE OF 53.92 GPM, BOTH EQUATING TO 7.15 AF OF CONSUMED AND DIVERTED VOLUME BEING PROTECTED EACH YEAR.

WATER MEASUREMENT PLAN - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH FISHERY PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 11.80 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 53.92 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 11.80 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

THE IRRIGATION PLACE OF USE AUTHORIZED IN THIS VERSION IS A MAXIMUM OF 60 ACRES WITHIN THE HISTORICAL 240-ACRE PLACE OF USE.

WATER MEASUREMENT INFORMATION

WATER MEASUREMENT - MUNICIPAL VOLUME MEASUREMENT RECORDS REQUIRED:

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT-APPROVED MEASURING DEVICE AT A POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN RECORD OF THE VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT RECORDS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES THE VOLUME ACCURATELY.

WATER MEASUREMENT RECORDS REQUIRED - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE WATER PROTECTED ALONG THE NEW INLET AND DIVERSION WORKS OF LITTLE COYOTE POND ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

*Purpose (Use): MUNICIPAL
Volume: 80.86 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

*Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1			NE	25	6S	2E	GALLATIN
*2				19	6S	3E	GALLATIN
*3			W2SWSW	20	6S	3E	GALLATIN
*4			S2SW	25	6S	3E	GALLATIN
*5			SW	26	6S	3E	GALLATIN
*6			SWSE	26	6S	3E	GALLATIN
*7			S2	28	6S	3E	GALLATIN
*8			S2NW	28	6S	3E	GALLATIN
*9			NW	29	6S	3E	GALLATIN
*10				30	6S	3E	GALLATIN
*11				33	6S	3E	GALLATIN
*12			S2	34	6S	3E	GALLATIN
*13			NW	34	6S	3E	GALLATIN
*14				35	6S	3E	GALLATIN
*15				36	6S	3E	GALLATIN
*16			N2	31	6S	4E	GALLATIN
*17			W2SW	31	6S	4E	GALLATIN
*18				1	7S	3E	GALLATIN
*19			NE	2	7S	3E	GALLATIN
*20			W2W2	3	7S	3E	GALLATIN
*21				4	7S	3E	GALLATIN
*22			E2	5	7S	3E	GALLATIN
*23			E2NW	5	7S	3E	GALLATIN

Purpose (Use): FISHERY
Volume: 3.58 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

*Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1			E2SENE	36	6S	3E	GALLATIN

Purpose (Use): INSTREAM FISHERY
Volume: 26.48 AC-FT
Period of Use: JUNE 1 to OCTOBER 15

*Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
*1			E2SENE	36	6S	3E	GALLATIN
*2			SWNW	31	6S	4E	GALLATIN
*3			S2SENE	31	6S	4E	GALLATIN
*4			S2SWNE	31	6S	4E	GALLATIN
*5			SWSENE	31	6S	4E	GALLATIN
*6			N2NESE	31	6S	4E	GALLATIN
*7			NWSW	32	6S	4E	GALLATIN
*8			S2NESW	32	6S	4E	GALLATIN
*9			S2NWSE	32	6S	4E	GALLATIN
*10			S2NESE	32	6S	4E	GALLATIN

IMPORTANT INFORMATION

41H 148446-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - FISHERY CHANGE (LITTLE COYOTE POND):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148446-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 5.90 GPM ALONG THE NEW INLET AND DIVERSION WORKS IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 26.96 GPM ALONG THE NEW INLET AND DIVERSION WORKS FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A FISHERIES PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE IS A CONTINUOUS FLOW RATE OF 11.80 GPM OR A PULSED FLOW RATE OF 53.92 GPM, BOTH EQUATING TO 7.15 AF OF CONSUMED AND DIVERTED VOLUME BEING PROTECTED EACH YEAR.

THE TOTAL DIVERTED VOLUME FOR STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00 IS 240.92 AC-FT. UNDER THIS CHANGE AUTHORIZATION, THE SUM OF THE VOLUMES FOR THE INDIVIDUAL PURPOSES IS 221.85 AC-FT. A VOLUME OF 19.06 AC-FT IS UNATTRIBUTED TO A SPECIFIC PURPOSE.

41H 148446-00 FLOW RATES NOT TO EXCEED VOLUME LIMITATION - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

IN THE EVENT THAT THE APPROPRIATOR MAKES A CALL FOR WATER OR A WATER COMMISSIONER IS APPOINTED, THE FOLLOWING OPERATION OF PROTECTION REPRESENTING UNDIVIDED, CONTINUOUS FLOW RATES OF WATER RIGHT 41H 148446-00 MUST BE FOLLOWED TO PREVENT EXCEEDING FLOW RATE AND VOLUME LIMITATIONS ON THE WATER RIGHT. THE APPROPRIATOR MAY PROTECT THE FOLLOWING AMOUNTS.

THE APPROPRIATOR MAY PROTECT THE FULL HISTORICALLY DIVERTED VOLUME OF 52.97 AF TO THE HISTORICAL POINT OF DIVERSION IN THE SESENE OF SECTION 36, T06 S, R03 E, GALLATIN COUNTY, BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR.

THE PROTECTED REACH ENCOMPASSES THE STRETCH OF THE WEST FORK OF THE WEST GALLATIN RIVER FROM LITTLE COYOTE POND AT A POINT IN THE SESENE OF SECTION 36, T06 S, R03 E, TO THE WEST FORK'S CONFLUENCE WITH THE WEST GALLATIN RIVER AT A POINT IN THE SESENE OF SECTION 33, T06 S, R04 E. THE APPROPRIATOR MAY PROTECT A CONTINUOUS FLOW RATE OF 35.00 GPM ALONG THIS REACH BETWEEN JUNE 1 AND OCTOBER 15 OF EACH YEAR. ALTERNATELY, THE APPROPRIATOR MAY PROTECT A PULSED FLOW RATE OF 159.8 GPM ALONG THIS REACH FOR A PERIOD OF 30 DAYS EACH YEAR.

THE TOTAL FLOW RATE PROTECTED FOR A TEMPORARY INSTREAM PURPOSE UNDER BOTH WATER RIGHTS INVOLVED IN THIS CHANGE AUTHORIZATION IS A CONTINUOUS FLOW RATE OF 319.6 GPM OR A 30-DAY PULSED FLOW RATE OF 70.00 GPM, BOTH EQUATING TO 42.38 AF OF CONSUMED VOLUME BEING PROTECTED EACH YEAR.

WATER MEASUREMENT - MUNICIPAL DIVERTED VOLUME LIMITATION:

UNDER BOTH STATEMENTS OF CLAIM 41H 148445-00 AND 41H 148446-00, THE APPROPRIATOR MAY DIVERT A COMBINED MAXIMUM OF 139.85 AF ANNUALLY FROM LITTLE COYOTE POND FOR MUNICIPAL PURPOSES.

WATER MEASUREMENT PLAN - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH FISHERY PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 11.80 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 53.92 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 11.80 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER MEASUREMENT PLAN - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

THE APPROPRIATOR SHALL INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1 OF EVERY YEAR WHICH INSTREAM FLOW PROTECTION PLAN THEY WILL FOLLOW FOR THAT YEAR. AS DESCRIBED IN THIS DOCUMENT, THE TWO PROTECTION PLANS ARE TO PROTECT, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00, (1) A DISTRIBUTED FLOW RATE OF 70.00 GPM FROM JUNE 1 TO OCTOBER 15 OR (2) A PULSED FLOW RATE OF 319.6 GPM FOR A 30-DAY PERIOD. THE APPROPRIATOR SHALL ALSO INFORM THE BOZEMAN WATER RESOURCES OFFICE THE START

AND END DATES OF THE 30-DAY PERIOD.

IF THE APPROPRIATOR ELECTS TO PROTECT THE DISTRIBUTED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER MONTH. IF THE APPROPRIATOR ELECTS TO PROTECT THE PULSED FLOW RATE, THEN MEASUREMENTS SHALL BE TAKEN A MINIMUM OF ONCE PER WEEK.

IF THE APPROPRIATOR DOES NOT INFORM THE BOZEMAN WATER RESOURCES OFFICE BY JUNE 1, THEN THE DEFAULT PLAN OF OPERATION FOR THIS AUTHORIZATION SHALL BE A DISTRIBUTED FLOW RATE OF 70.00 GPM THAT IS PROTECTABLE FROM JUNE 1 TO OCTOBER 15, UNDER BOTH WATER RIGHTS 41H 148445-00 AND 41H 148446-00.

WATER MEASUREMENT INFORMATION

WATER MEASUREMENT RECORDS REQUIRED - TEMPORARY INSTREAM CHANGE (WEST FORK OF THE WEST GALLATIN RIVER):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE PROTECTED REACH OF THE WEST FORK OF THE WEST GALLATIN RIVER IN GALLATIN COUNTY ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST DURING THE TEMPORARY CHANGE AUTHORIZATION. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

WATER MEASUREMENT RECORDS REQUIRED - FISHERY CHANGE (LITTLE COYOTE POND):

THE APPROPRIATOR OR A DESIGNEE SHALL MEASURE THE WATER PROTECTED ALONG THE NEW INLET AND DIVERSION WORKS OF LITTLE COYOTE POND ACCORDING TO THE MEASUREMENT PLAN DESCRIBED IN THIS DOCUMENT USING DEPARTMENT-APPROVED MEASURING DEVICES. MEASUREMENT RECORDS SHALL BE MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICES SO THEY ALWAYS OPERATE PROPERLY AND MEASURE FLOW RATE ACCURATELY.

WATER MEASUREMENT - MUNICIPAL VOLUME MEASUREMENT RECORDS REQUIRED:

THE APPROPRIATOR SHALL INSTALL A DEPARTMENT-APPROVED MEASURING DEVICE AT A POINT APPROVED BY THE DEPARTMENT. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR SHALL KEEP A WRITTEN RECORD OF THE VOLUME OF ALL WATER DIVERTED, INCLUDING THE PERIOD OF TIME. RECORDS SHALL BE SUBMITTED BY NOVEMBER 30 OF EACH YEAR AND UPON REQUEST AT OTHER TIMES DURING THE YEAR. FAILURE TO SUBMIT RECORDS MAY BE CAUSE FOR REVOCATION OF A PERMIT OR CHANGE. THE RECORDS MUST BE SENT TO THE WATER RESOURCES REGIONAL OFFICE. THE APPROPRIATOR SHALL MAINTAIN THE MEASURING DEVICE SO IT ALWAYS OPERATES PROPERLY AND MEASURES THE VOLUME ACCURATELY.