Big Sky County Water and Sewer District No. 363

Source Capacity Plan 2022 Update Volume 2 - Appendices

September 2022



Western Groundwater Services, LLC

6595 Bear Claw Lane Bozeman, MT 59715 (406) 585-5947 www.westerngroundwaterservices.com



APPENDIX A – WATER SUPPLY WELL LOGS

		MONTAN	A WELL LOG RE	PORT			Other Options			
record of wor encountered. Water Inform	k done with This report ation Cente	in the boreho is complied r (GWIC) dat		d describes the the contents of Acquiring wa	ater rights is the					
Site Name: B	IG SKY WA	TER AND S		- MEADOW	Section 7: Well Test Data					
VILLAGE - W GWIC Id: 103 DNRC Water	505 M		VILLAGE (TEST W		Total Depth: 50 Static Water Level: 11 Water Temperature:					
Section 1: W	ell Owner				_					
Owner Name					Pump	lest *				
BIG SKY OF M					Depth (oump s	set for test _ feet.			
Mailing Addres					<u>200</u> g	pm pur	mp rate with _ feet of drawdown after _ hours of pumping			
SPOTTED ELK City	ROAD	State	Zip Code				rery _ hours.			
BOZEMAN		MT	59715				ter level _ feet. er level 19 feet.			
Section 2: Lo	ocation				* Durin	a tha u	well toot the discharge rate shall be as writering			
Township	Range	Section	Quarter Se				vell test the discharge rate shall be as uniform as s rate may or may not be the sustainable yield of the well			
06S	03E	36	SW¼ SW¼ S				vield does not include the reservoir of the well casing.			
GALLATIN Latitude	County	itudo	Geoco Geomethod	Datum	Section 8: Remarks					
45.2686	Long 111.3		MAP	NAD27	Section 9: Well Log					
Altitude		Method	Datum	Date			-			
6230					Geolog		urce			
Addition		Bloc	:k	Lot	Unassi	gnea To	Description			
					From 0		Description SOILS			
Section 3: Pr	onosod Us	o of Wator			1		CLAYS & SILTS WET AT 12FT			
MONITORING		e or water			12		WHEAT & DEA SIZE GRAVELS OF AVBOUND LARGER			
Section 4: Ty	pe of Work				19	21	VERY FINE TIGHT CLAYBOUND SANDS LITTLE WATER			
Drilling Method:	-				21		SAME AS ABOVE BUT MORE CLAYS WET			
Section 5: W	ell Complet	ion Date			23	24	FINE SANDS & GRAVEL (DIRTY) CLEAN GRAVELS LENSE @ 24FT			
Date well comp			1970		24	31	CLEANER FINE SANDS & GRAVELS 20 GPM @ 28FT			
		•			31		SMOOTH PEA SIZE GRAVELS DIRTY NOT MUCH WATER			
Section 6: W		ction Details	S		34		VERY LOOSE COARSE CLEAN GRAVELS 40 GPM WATER			
<u>Borehole dime</u> From To Diam					38	41	SANDS LITTLE AMOUNT OF GRAVELS			
0 50	6				41	44	LOOSE CLEAN GRAVELS FINE TO COARSE LOTS OF WATER			
Casing	Wall	Pressure			44	50	FINE TO COARSE SAND & GRAVELS DIRTY & TIGHT WATER @ 47FT NOT MUCH AT 50FT			
From To Diam	eter Thickne	ess Rating	Joint Type		50	50	SHALES			
50 6			STEEL							
Completion (P			1			<u> </u>				
From To Diam	# of	Size of	Description		Driller					
27 31 6		1/4X2IN	SLOTS				nmed and reported in this well log is in compliance with well construction standards. This report is true to the bes			
31 0 34 38 6		1/4X2IN	SLOTS		of my k					
41 44 6		1/4X2IN	SLOTS				ame:			
Annular Space	(Seal/Grout					Comp	any: VAN DYKEN DRILLING INC			
	•	Cont.			L	.icense	• No: WWC-1			
From To Desc	ription	Fed?			Date	Comple	eted: 8/9/1970			
	L CUTTINGS				Date Completed: 8/9/1970					

Montana's G	round-Wate	er Informa	tion Center (G	WIC) Sit	e Repor	t V.	11.2008 Page 1 of 1		
	Γ		WELL LOG REP	ORT			Other Options		
record of work encountered. Water Informa	done within t This report is dation Center (C	he borehole complied ele GWIC) datab		describes the he contents of Acquiring wa	ter rights is the				
		ONTANA * S	SPOTTED ELK 2		Sectior	n 7: We	ell Test Data		
GWIC Id: 1035 DNRC Water F		Se-00			Total D	onth F	0		
Dirico Water I			ILLAGE 1	JO. 2	Total Do Static V		evel: 14		
Section 1: We				10. 2	Water T				
Owner Name BIG SKY OF MC	ONTANA				Pump 1	「est *			
Mailing Addres	s				Depth p	oump s	et for test _ feet.		
PO BOX 1	64		7in Codo		<u>285</u> gr		np rate with _ feet of drawdown after <u>9.5</u> hours of		
City BIG SKY						recov	ery _ hours. er level _ feet.		
Section 2: Loo	cation				Pumpin	g wate	er level <u>25</u> feet.		
Township	Range	Section	Quarter S						
06S	03E	36	SE¼ SE½				ell test the discharge rate shall be as uniform as		
GALLATIN	County		Geocod	e			rate may or may not be the sustainable yield of the well.		
Latitude	Longi	tude	Geomethod	Datum	Sustainable yield does not include the reservoir of the well casing				
45.269017 Altitude	111.30		TRS-SEC Datum	NAD83 Date					
					Sectior	n 9: We	ell Log		
Addition		Block		Lot	Geolog		-		
					Unassig	gned			
Section 3: Pro	posed Use o	of Water			From	То	Description		
PUBLIC WATER	-				0		TOPSOIL		
					4				
Section 4: Typ Drilling Method:					24				
Drining Method.	CABLE				32 36		DRY CLAYBOUND GRAVEL CLEAN SAND & GRAVELS 30 GPM		
Section 5: We	II Completior	n Date			37		COARSE SAND & FINE GRAVELS		
Date well comple	eted: Saturday,	June 12, 198	2			46	LOTS OF WATER-NICE FINE GRAVEL-TEST 50 GPM 2FT		
Section 6: We	II Constructio	on Dotaila			44		DRAWDOWN		
Borehole dimer		on Details			46		TIGHTER GRAVEL-20 GPM		
From To Diame					47	49	PEA GRAVEL & COARSE-LOTS OF WATER PEA & WHEAT & SOME LARGER GRAVELS LOTS OF		
0 59	6				49	50	WATER		
Casing					50	57	COARSE GRAVEL-MOST PLACES TESTED 20 GPM		
	Wall	Pressure			57	59	SOFT GREY SHALE		
From To Diame	eter Inickness	Rating Jo	oint Type STEEL						
Completion (Pe	rf/Screen)		SIEEL						
	# of	Size of			Driller	Contifi			
From To Diam	eter Openings	Openings [Description				rmed and reported in this well log is in compliance with		
37 56 6		1/4IN S	SLOTS				vell construction standards. This report is true to the best		
Annular Space					of my k	nowled	lge.		
From To Descr		ont. ed?					me:		
	CUTTINGS					-	any: VAN DYKEN DRILLING INC		
]					No: WWC-306		
					Date C	ompie	ted: 6/12/1982		

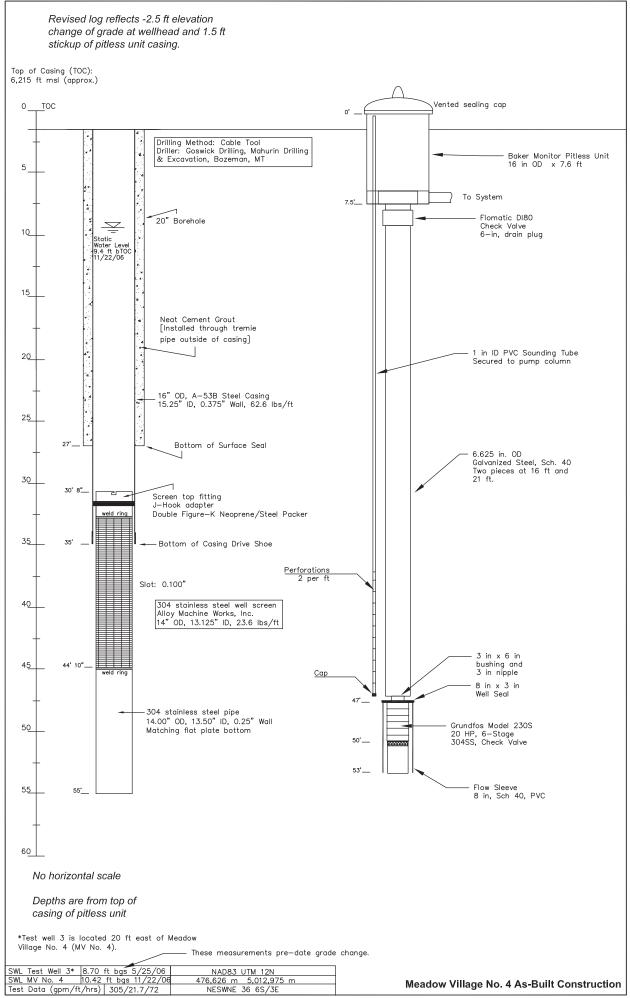
Montana's Gr	ound-W	ater Inform	nation Center (C	GWIC) Site	e Repo	rt V.	11.2008 Page 1 of 1		
		MONTAN	A WELL LOG REF	PORT			Other Options		
record of work encountered. Water Informa	done with This report tion Cente	in the boreho t is complied e r (GWIC) dat		describes the the contents of Acquiring wat	ater rights is the				
		ATER AND S	EWER DISTRICT	- MEADOW	Sectio	n 7: W	ell Test Data		
VILLAGE - WE GWIC Id: 1669 DNRC Water F	89		VILLAGE	NO. 3	Total D Static V Water	Vater L	evel: 33		
Section 1: We	ll Owner				Dumm	Taat *			
Owner Name					Pump	lest			
LONE MOUNTA		S					et for test _ feet.		
Mailing Address							np rate with _ feet of drawdown after <u>24</u> hours of		
City	(OAD	State	Zip Code		pumpir Time o		ery <u>1.5</u> hours.		
BIG SKY						ery wat	er level <u>33</u> feet. er level <u>47</u> feet.		
Section 2: Loc	ation								
Township	Range	Section	Quarter Se	ctions	* Durin	a the w	vell test the discharge rate shall be as uniform as		
06S	03E	36	NW¼ SW¼ SI				rate may or may not be the sustainable yield of the well.		
GALLATIN	County		Geoco	de	Sustainable yield does not include the reservoir of the well casing.				
Latitude 45.2688	Latitude Longitude Geomethod Datum					n 8: Re	emarks		
Altitude		Method	Datum	Date	Santia	- 0. W/			
					Sectio Geolog		-		
Addition			Block	Lot	Unassi				
MEADOW VILLA	GE					То	Description		
Section 3: Pro	posed Us	e of Water			0	3	TOPSOIL		
PUBLIC WATER					3	50	SAND AND GRAVEL		
					50		NICE GRAVEL		
Section 4: Typ					66	67	SHALE		
Drilling Method: F		RUTART							
Section 5: We	II Comple	tion Date							
Date well comple	ted: Thursd	lay, April 14, 19	988						
Section 6: We	II Constru	ation Dataila							
Borehole dimen		iction Details							
From To Diame									
0 67	6								
Casing									
	Wall	Pressur							
From To Diam	heter I nick	ness Rating	Joint Type STEEL		Driller	Cortifi	L		
Completion (Per	rf/Screen)		SIEEL				rmed and reported in this well log is in compliance with		
	# of	Size of			the Mo	nṫana v	well construction standards. This report is true to the best		
From To Diame		ngs Openings	Description		of my k	nowled	dge.		
52.6 67 6			OPEN HOLE				ime:		
Annular Space (•	any: VAN DYKEN DRILLING INC		
From	Con intion Fod						No: WWC-386		
From To Description	-	<u>·</u>			Date	Joinpie	ted: 4/14/1988		
0 20 CEME									

MONTANA WELL LOG REPORT **Other Options** This well log reports the activities of a licensed Montana well driller, serves as the official Plot this site on a topographic map record of work done within the borehole and casing, and describes the amount of water View scanned document (8/1/2007 2:13:45 PM) encountered. This report is complied 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. Site Name: BIG SKY WATER AND SEWER Section 7: Well Test Data GWIC ld: 236777 MEADOW VILLAGE NO. 4 Total Depth: 56 Static Water Level: 10.4 Section 1: Well Owner Water Temperature: 7.22 Owner Name **BIG SKY WATER AND SEWER** Pump Test * Mailing Address P.O. BOX 363 Depth pump set for test 54 feet. City State Zip Code 305 gpm pump rate with 21.7 feet of drawdown after 72 hours of **BIG SKY** MT 59716 pumping. Time of recovery 72 hours. Well Address Recovery water level <u>10.42</u> feet. LITTLE COYOTE Pumping water level _ feet. City State Zip Code Section 2: Location * During the well test the discharge rate shall be as uniform as Township Range Section **Quarter Sections** possible. This rate may or may not be the sustainable yield of the well. NW1/4 SW1/4 NE1/4 06S 03E 36 Sustainable yield does not include the reservoir of the well casing. County Geocode GALLATIN Section 8: Remarks Geomethod TOTAL COMPLETION 6/30/2007 Latitude Longitude Datum 111.299848 TRS-SEC NAD83 45 270837 Section 9: Well Log Method Date Altitude Datum Geologic Source Addition Block Lot Unassigned From To Description 0 TOPSOIL 2 Section 3: Proposed Use of Water 2 13 BOULDERS AND CLAY PUBLIC WATER SUPPLY (1) 13 18 BOULDERS 18 26 MORE CLAY BOULDERS Section 4: Type of Work 26 30 OPEN CLAY AND ROCKS Drilling Method: CABLE TOOL 34 CLAY AND SMALL GRAVEL 30 **Section 5: Well Completion Date** 34 39 CLAY AND SAND Date well completed: Wednesday, December 20, 2006 39 44 CLAY AND SAND BUT OPEN HOLE 44 47 GRAVEL AND WATER Section 6: Well Construction Details 47 56 SHALE **Borehole dimensions** From To Diameter 0 28 20 0 56 16 Casing Wall Pressure **Driller Certification** То Diameter Thickness Rating Joint From Туре All work performed and reported in this well log is in compliance with 0.375 WELDED STEEL 36 16 the Montana well construction standards. This report is true to the best 46 56 14 0.375 WELDED STEEL of my knowledge. Completion (Perf/Screen) Name: J MAHURIN # of Size of Company: MAHURIN DRILLING From To Diameter Openings Openings Description License No: WWC-358 SCREEN-CONTINUOUS-36 46 14 1 Date Completed: 12/20/2006 STAINLESS Annular Space (Seal/Grout/Packer) Cont. From To Description Fed? 28 CEMENT

K PAKER

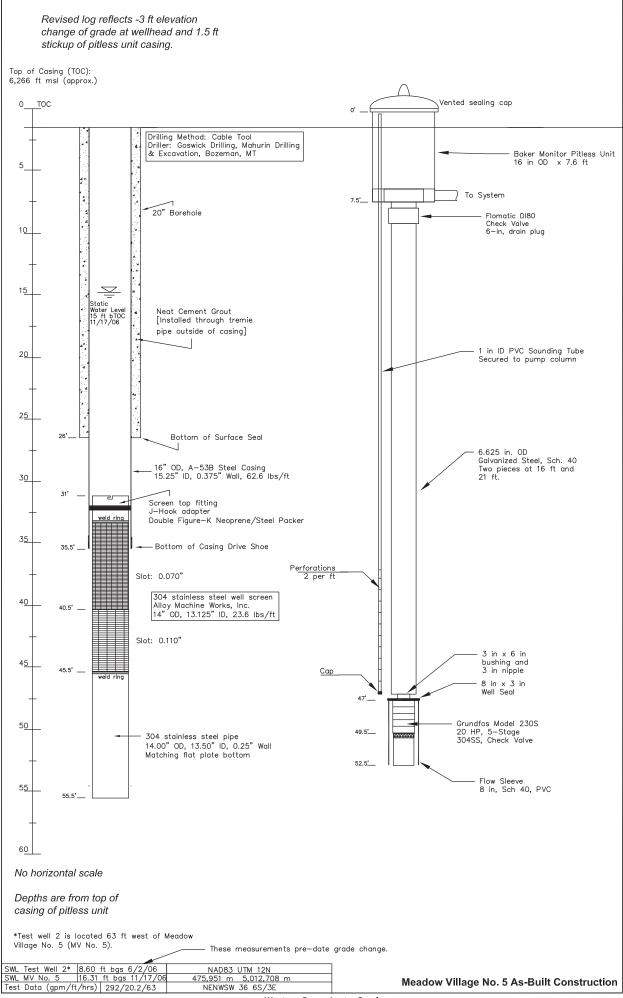
33

33



Western Groundwater Services

		MONTA	NA WELL L	OG REPOR	Т			Other Options			
record of work do	one with s repor er (GW	hin the boreh t is complied IC) database	ole and casi l electronical e for this site	ng, and des ly from the o . Acquiring v	cribes the contents o water righ	eport.					
Site Name: BIG S GWIC Id: 236778	-		-	22 120	-	Sectio	n 7: W	ell Test Data			
	MF	EADOW	VILLA	JE NO.	5	Total D					
Section 1: Well C	Section 1: Well Owner							Static Water Level: 16.3			
Owner Name						vvater	i empe	rature: 7.22			
BIG SKY WATER A	ND SE	NER				Pump	Test *				
Mailing Address P.O. BOX 160670						-					
City		State	Zip Co	de				set for test <u>54</u> feet. np rate with <u>20.2</u> feet of drawdown after <u>63</u> hours of			
BIG SKY		MT	59716			pumpir					
Well Address						Time o	frecov	ery <u>72</u> hours.			
LITTLE COYOTE								er level <u>16.8</u> feet.			
City St	tate		Zip Code			Pumpii	ng wate	er level _ feet.			
Section 2: Locati	ion					* Durin	a the w	vell test the discharge rate shall be as uniform as			
Township	Rang	e Sectio	on (Quarter Secti	ons			rate may or may not be the sustainable yield of the well.			
06S	03E		I	NE¼ NW¼ S	W1⁄4			ield does not include the reservoir of the well casing.			
	ounty			Geocode							
GALLATIN			C	the and	Detum	Sectio	n 8: Re	emarks			
Latitude 45.267197		ongitude 1.307642	Geome TRS-S		Datum NAD83	Santia	- 0. W	ell Log			
Altitude		Method		tum	Date	Geolog		-			
			24		2 410	Unassi					
Addition		Blo	ck	Lot			To	Description			
						0		TOPSOIL			
						1		CLAY LARGE ROCK			
Section 3: Propo PUBLIC WATER SL						5		ROCK AND GRAY GRAVEL			
PUBLIC WATER SU	JPPLI ((1)				10	15	GRAVEL AND SAND			
Section 4: Type	of Wor	k				15	33	GRAVEL AND SAND			
Drilling Method: CAR	BLE TO	OL				33	46	MOSTLY SAND AND SOME GRAVEL			
						46		BOULDERS AND GRAVEL			
Section 5: Well C	-					49		SILTY SAND			
Date well completed	d: Thurs	day, Novembe	er 23, 2006			50	57	DARK GRAY SHALE			
Section 6: Well C	Constru	uction Detai	ls								
Borehole dimensio	ons										
From To Diameter	r							l			
0 28 20	-										
28 57 16	5										
Casing	h	Wall	Brosourc		1	Driller	Certifi	cation			
From To Diame		wali Thickness	Pressure Rating	Joint	Туре	All wor	k perfo	rmed and reported in this well log is in compliance with			
0 37 16		0.375		WELDED	STEEL	the Mo	ntana	well construction standards. This report is true to the best			
47 57 14		0.375 0.375	<u> </u>	WELDED	STEEL	of my k		-			
Completion (Perf/S			R	<u>, · </u>		-		ime: J. MAHURIN			
	# of	Size of				. ור	-	any: MAHURIN DRILLING			
From To Diameter	Openi	ngs Opening	_					No: WWC-358			
37 42 14		.070	SCREEN-C STAINLESS	ONTINUOUS	-	Date	somple	sted: 11/23/2006			
42 47 14		.110	SCREEN-C STAINLESS	ONTINUOUS	-						
Annular Space (Se						_					
	Cor										
From To Descripti		?									
0 28 CEMENT											
33 33 K PACKE	ĸ										



Western Groundwater Services

MONTANA WELL LOG REPORT **Other Options** This well log reports the activities of a licensed Montana well driller, serves as the official Plot this site on a topographic map record of work done within the borehole and casing, and describes the amount of water View scanned document (2/21/2008 6:12:28 PM) encountered. This report is complied 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. Site Name: BIG SKY OF MONTANA * WELL #1 Section 7: Well Test Data GWIC Id: 103499 HIDDEN VILLAGE NO. 1 Total Depth: 45 Static Water Level: 8 Section 1: Well Owner Water Temperature: Owner Name **BIG SKY OF MONTANA Bailer Test *** Mailing Address 45 gpm with _ feet of drawdown after 2 hours. Zip Code City State Time of recovery _ hours. BOZEMAN MT 59715 Recovery water level feet. Pumping water level 18 feet. Section 2: Location **Quarter Sections** Township Range Section * During the well test the discharge rate shall be as uniform as SE¼ NW¼ 06S 03E 35 possible. This rate may or may not be the sustainable yield of the well. Geocode County Sustainable yield does not include the reservoir of the well casing. GALLATIN Latitude Longitude Geomethod Datum Section 8: Remarks 111.324213 TRS-SEC NAD83 45.269927 Altitude Method Datum Date Section 9: Well Log 6410 **Geologic Source** Addition Block Lot Unassigned From To Description 0 3 SOILS Section 3: Proposed Use of Water 3 MONITORING (1) 9 BUFF COLOR CLAY W/ BOULDERS EMBEDDED 9 22 BUFF COLOR CLAYBOUND GRAVELS & BOULDERS Section 4: Type of Work 22 29 CLAYBOUND MUSHY SANDS SOME GRAVELS **Drilling Method: CABLE** 29 31 SILT SAND & GRAVELS SOME WATER FINE SANDS RUST COLOR 31 37 **Section 5: Well Completion Date** 37 38 SHALE LENSE Date well completed: Monday, July 27, 1970 38 45 SANDSTONE WATER 45 45 COLORADO SHALE Section 6: Well Construction Details **Borehole dimensions** From To Diameter 0 45 6 Casing Wall Pressure Joint Type From To Diameter Thickness Rating 45 STEEL Driller Certification Completion (Perf/Screen) 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 Size of of my knowledge. From To Diameter Openings Openings Description Name: 44 6 1/4X2IN SAW SLOTS 34 Company: VAN DYKEN DRILLING INC Annular Space (Seal/Grout/Packer) License No: WWC-1 Cont. From To Description Fed? Date Completed: 7/27/1970 0 DRILL CUTTINGS

MONTANA WELL LOG REPORT										Other Options			
This well log reports the activities of a licensed Montana well driller, a record of work done within the borehole and casing, and describes the encountered. This report is complied electronically from the contents Water Information Center (GWIC) database for this site. Acquiring w well owner's responsibility and is NOT accomplished by the filing of the							escribes th contents quiring wa	he amount of water View scanned document (2/21/2008 6:14:01 PM) s of the Ground- ater rights is the					
ite Na	me:		MOUNTA	IN SPRIN	GS * H	IDDEN VILLA	GE 2	Sectio	n 7: W	ell Test Data			
WIC Id	d: 1	03501	HIDI	DEN V	TLL	AGE NO	. 2	-					
Section 1: Well Owner							Total Depth: 665 Static Water Level: -210						
Owner Name									ssure: 91 psi				
LONE MOUNTAIN SPRINGS						Water	Tempe	rature:					
ailing	Add	ress						Pump	Test *				
ity			Sta	te	Zip	o Code		Depth (oumo s	set for test _ feet.			
IG SKY	/		MT		59	716		<u>116</u> g	pm pui	mp rate with _ feet of drawdown after <u>27</u> hours of			
oction	. ว.	Locatior	•					pumpir Time o		ery _ hours.			
Tow			Range	Section		Quarter Sec	tions	Recove	ery wat	er level _ feet.			
0	6S	•	03E	35		SW¼ NW¼	SW¼	Pumpir	ng wate	er level <u>531</u> feet.			
		Coun	nty			Geocode							
ALLAT	iin itud	е	Longit	ude	Ge	omethod	Datum			vell test the discharge rate shall be as uniform as			
45.2			111.330			RS-SEC	NAD83	possible. This rate may of may not be the sustainable yield t					
	ltitu		M	ethod		Datum	Date						
dition	649	8		Bloc	<i>,</i>	Lo	+	Sectio	n 8: Re	emarks			
	•			Bico		20		Sectio	n 9: W	ell Log			
	-	_						Geolog	gic So	urce			
		Propose FER SUPI	ed Use of	Water				Unassi	ř				
ODLIO	VVA.		I ⊑I (I)						То	Description			
		Type of						0		TOPSOIL SAND AND GRAVEL			
rilling IV	letho	od: AIR R	OTARY						137	SHALE - BLACK TO GRAY - MODERATELY HARD - FISSIL			
ection	n 5: '	Well Co	mpletion	Date				57		OIL STAINED 99-137 FEET			
ate wel	l cor	npleted: N	Nonday, Ju	ne 16, 198	6			137	140.5	SANDSTONE - GRAY - VERY FINE TO FINE GRAINED - WITH THIN OIL STAINED SHALE STRINGERS - WATER			
ection	n 6: '	Well Co	nstructio	n Details				140.5	143	SHALE - BLACK SOFT CLAYEY - OIL STAINED			
<u> </u>		mensions	6					143		SANDSTONE - GRAY VERY FINE TO FINE GRAINED			
	_	iameter						146.5 154		SHALE - DARK GRAY FISSILE SANDSTONE - GRAY VERY FINE TO FINE GRAINED			
0 66 asina	65	7						154		SHALE - GRAY TO BLACK CLAYEY OIL STAINED			
			Wall	Pressure			7	160	i – – – i	SANDSTONE - GRAY VERY FINE TO FINE GRAINED -			
rom To			Thicknes	Rating	Joint		4	100	170.0	HARD TIGHT - OIL STAINED BETWEEN 160 AND 166.5 SHALE AND SANDSTONE - ALTERNATING 0.25 INCH			
	00 6		0.000	ļ		STEEL	-	170.5	174	LAYERS - OIL STAINED			
	5.8 65 4		0.280		4	STEEL PVC-SCHED 40	2	174	195.5	SHALE - DARK BROWN TO GRAY - OIL STAINED - FEW			
		(Perf/Scr	een)				2			SANDSTONE - DARK GRAY - VERY FINE TO FINE			
	_		# of	Size				195.5		GRAINED- HARD TIGHT			
		Diamete 4.5	r Openii	ngs Ope	nings	Description SLOTS	-	197	199	SHALE - DARK BROWN TO GRAY - OIL STAINED			
		4.5 4.5	_			SLOTS	-	199	200.5	SANDSTONE - GRAY - VERY FINE TO FINE GRAINED - HARD TIGHT - OIL STAINED			
		4.5				SLOTS	-	Driller					
		4.5				SLOTS				rmed and reported in this well log is in compliance with			
594 597 4.5 SLOTS							4	the Mo		well construction standards. This report is true to the be dge.			
	617 620 4.5 SLOTS					SLOTS SLOTS	-	.,		ame:			
17 6	3/2					1010/101							
17 6 40 6	543 Spa	1	Grout/Pac	ker)		02010			Comp	any: STINGER WELL DRILLING			
17 6 40 6 nnular	Spa	1	Grout/Pac	ker)		02010			icense	any: STINGER WELL DRILLING No: WWC-325 eted: 6/16/1986			

0

0 RUBBER

	MONTA	NA WELL LOG REP	ORT	Other Options				
record of work de encountered. Th Water Informatio	one within the bore is report is complie n Center (GWIC) o	f a licensed Montana whole and casing, and ed electronically from t database for this site. OT accomplished by t	describes the the contents Acquiring wa	he amount of water s of the Ground- ater rights is the <u>View scanned document (2/21/2008 6:23:00</u>				
		SEWER DISTRICT -	MEADOW	Section 7: Well Test Data				
VILLAGE - WELI GWIC Id: 155405		GROUSE WE	יד די	Total Dopth: 1170				
Section 1: Well (GROUSE WE		Total Depth: 1170 Static Water Level: -265.65 Closed-in Pressure: 115 psi Water Temperature:				
Owner Name BIG SKY CO WATE	-R & SEWER							
Mailing Address				Pump Test *				
PO BOX 160670				Depth pump set for test _ feet.				
City	State	Zip Code		<u>35</u> gpm pump rate with _ feet of drawdown after <u>72</u> hours of	f			
BIG SKY	MT	59716		pumping.				
• • • • •				Time of recovery <u>1.25</u> hours. Recovery water level <u>0</u> feet.				
Section 2: Locat				Pumping water level <u>737</u> feet.				
Township 06S	Range Sect			·				
	ounty	Geocod		* During the could be discharge and shall be as writering	_			
GALLATIN				* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of				
Latitude	Longitude	Geomethod	Datum	Sustainable yield does not include the reservoir of the well cas	sing.			
45.2694	111.3	MAP	NAD27					
Altitude	Method	Datum	Date	Section 8: Remarks				
Addition		Block	Lot	WELL DEEPENED FROM 960 FT TO 1250 FT IN 1998				
BLUE GROUSE HI	us	BIOCK	LOI	Section 9: Well Log				
				Geologic Source				
Section 3: Propo	osed Use of Wate	r		300SDMS - SEDIMENTS (PALEOZOIC)				
PUBLIC WATER S	UPPLY (1)			From To Description				
Section 4: Type	of Work			0 26 GRAVEL WITH SAND				
Drilling Method: RO				25 48 SAND & GRAVEL				
5				48 50 SANDY CLAY				
	Completion Date			50 106.5 DARK SHALE WITH SILTSTONE STRINGERS				
Date well completed	d: Friday, January 02	2, 1998		106.5 122 LIMESTONE & SANDSTONE STRINGERS				
Section 6: Well (Construction Deta	aile		122 170 RED BLACK SHALE				
Borehole dimension				170 246 RED/BROWN SILTSTONE & SANDSTONE 246 386 BLACK SHALE				
From To Diame				386 395 GRAY SANDSTONE				
0 805	12			396 405.5 BLACK SHALE				
805 1250	8			405.5 414 DARK GRAY/BLACK SANDSTONE				
Casing	- .			414 474 ANDESITE				
		sure		474 481.5 LIGHT GRAY SANDSTONE				
	ter Thickness Ratir	<u> </u>		481.5 483 BLACK SHALE				
-2 800 8	0.250	THREADED A53B		483 524 GRAY SANDSTONE				
780 1170 6 Completion (Perf/s	Screen)	АЭЗВ	STEEL	Driller Certification				
From To Dia	# of meter Openings	Size of Openings Descrip		All work performed and reported in this well log is in compliand the Montana well construction standards. This report is true to of my knowledge.				
1170 1250 8		OPEN H	IOLE	Name:				
Annular Space (Se	eal/Grout/Packer)			Company: POTTS DRILLING INC				
	Cont.			License No: WWC-512				
From To Descrip	tion Fed?			Date Completed: 1/2/1998				

Site Name GWIC Id: 1 Additional	55405	WATER AND SEWER DISTRICT - MEADOW VILLAGE - WELL 2 Records								
From	То	escription								
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	SHALELY 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

GWIC Id: 1	Site Name: LONE MOUNTAIN SPRINGS * HIDDEN VILLAGE 2 GWIC Id: 103501 Additional Lithology Records							
From	То	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		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.						

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 complied 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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	MOOSE MEADOW	NS		Section 7: Well Test Data			
GWIC Id: 170083	LONE MO	OOSE NO.	1	Total Depth: 200			
Section 1: Well Ow	/ner			Static Water Level: 29			
Owner Name LONE MOOSE MEAD	0.0//S			Water Temperature:			
Mailing Address				Air Test *			
205 E. MENDENHALL							
City State Zip Code				<u>100</u> gpm with drill stem set at <u>56</u> feet for <u>24</u> hours.			
BOZEMAN	MT	59715		Time of recovery <u>1</u> hours. Recovery water level <u>29</u> feet. Pumping water level 190 feet.			
Section 2: Locatior	n						
Township Range Section Quarter Sections		* During the well test the discharge rate shall be as uniform as					
06S	03E 28	NE¼ \$	SW¼	possible. This rate may or may not be the sustainable yield of the we			
Coun	nty	Geocod	de	Sustainable yield does not include the reservoir of the well casing.			
GALLATIN							
Latitude	Longitude	Geomethod	Datum	Section 8: Remarks			
45.28102	111.365423	TRS-SEC	NAD83				
Altitude	Method	Datum	Date	Section 9: Well Log			
Addition	Dia	ok	Lot	Geologic Source			
Addition	Blo	UK	Lot	Unassigned			
				From To Description			
Costion 2. Dronood				0 34 CLAY W/BROKEN SANDSTONE			
Section 3: Propose	ed use of water						
Section 3: Propose DOMESTIC (1)	ed Use of water						
DOMESTIC (1)	ed Use of water			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
-				34 52 RED TO GRAY SANDSTONE			
DOMESTIC (1)	Work			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA	Work RY			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Col	Work RY mpletion Date			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA	Work RY mpletion Date	ber 11, 1998		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V	Work RY mpletion Date Wednesday, Noveml			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con	Work RY mpletion Date Wednesday, Novemi nstruction Detail			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions	Work RY mpletion Date Wednesday, Novemi nstruction Detail			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter	Work RY mpletion Date Wednesday, Novemi nstruction Detail			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12	Work RY mpletion Date Wednesday, Novemi nstruction Detail			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8	Work RY mpletion Date Wednesday, Novemi nstruction Detail			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6	Work RY mpletion Date Wednesday, Novemi nstruction Detail			34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing	Work RY mpletion Date Wednesday, Novemi nstruction Detail	s		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 9 9 9			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing	Work RY mpletion Date Wednesday, Novemi nstruction Detail s Wall Pressur	re		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 9 9 9			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing From To Diameter	Work RY mpletion Date Wednesday, Novemi nstruction Detail s Wall Pressur Thickness Rating	re Joint Type		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 9 9 9			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing From To Diameter -2 100 8	Work RY mpletion Date Wednesday, Novemi nstruction Detail s Wall Pressur Thickness Rating 0.322	re		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 9 9 9			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing From To Diameter	Work RY mpletion Date Wednesday, Noveminstruction Detail s Wall Pressur Thickness Rating 0.322 reen)	re Joint Type WELDED STEEL		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 9 9 9			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing From To Diameter -2 100 8 Completion (Perf/Screener)	Work RY mpletion Date Wednesday, Noveminstruction Detail s Wall Pressur Thickness Rating 0.322 reen) # of Size o	re Joint Type WELDED STEEL		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 9 9 9			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing From To Diameter -2 100 8 Completion (Perf/Screener)	Work RY mpletion Date Wednesday, Novemi nstruction Detail s Wall Pressur Thickness Rating 0.322 reen) # of Size o	re Joint Type WELDED STEEL		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 9 9 9			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing From To Diameter -2 100 8 Completion (Perf/Scruting From To Diameter 100 200 6	Work RY mpletion Date Wednesday, Novemi nstruction Detail s Wall Pressur Thickness Rating 0.322 reen) # of Openings Openi	re Joint Type WELDED STEEL		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 84 90 90 92 90 90 92 90 90 92 90 90 93 90 90 94 90 90 94 90 90 94 90 90 94 90 90 94 90 90 94 90 90 94 90 90 94 </td			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 0 25 12 25 100 8 100 200 6 Casing From To Diameter -2 100 8 Completion (Perf/Screener)	Work RY mpletion Date Wednesday, Noveminstruction Details Wall Pressur Thickness Rating 0.322 reen) # of Size of Openings Opening // Grout/Packer)	re Joint Type WELDED STEEL		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 9 9 9			
DOMESTIC (1) Section 4: Type of Drilling Method: ROTA Section 5: Well Con Date well completed: V Section 6: Well Con Borehole dimensions From To Diameter 100 200 Casing From To Diameter -2 100 Completion (Perf/Scruther) To Diameter 100 200 Gompletion (Perf/Scruther) 100 200	Work RY mpletion Date Wednesday, Novemi nstruction Detail s Wall Pressur Detail nstruction Detail s Wall Pressur Rating 0.322 reen) # of Size o Openings Openi (Grout/Packer) Cont.	re Joint Type WELDED STEEL of Ings Description OPEN HOLE		34 52 RED TO GRAY SANDSTONE 52 82 GRAY SHALE & SANDSTONE 82 200 BLACK & WHITE SANDSTONE 84 90 90 92 90 90 92 90 90 92 90 90 93 90 90 94 90 90 94 90 90 94 90 90 94 90 90 94 90 90 94 90 90 94 90 90 94 </td			

0

43

80 1006

From To Description

Annular Space (Seal/Grout/Packer)

43 6X8 FORMATION PACKER

20 QUIK GROUT

Montana's Gr	round-Water	Informa	tion Cente	er (GW	VIC) Sit	e Repo	rt V.	11.2008 Page 1 of 1		
	M	ONTANA	WELL LOG	REPOR	RT			Other Options		
record of work encountered. Water Informa	eports the activi done within the This report is co tion Center (GV esponsibility and	e borehole omplied el VIC) datal	e and casing ectronically f base for this	, and de rom the site. Ac	escribes th contents quiring wa	e amount of the Gro ter rights	t of wat ound- is the			
Site Name: LO		EADOWS	6			Section 7: Well Test Data				
GWIC Id: 1872 Section 1: Wel Owner Name LONE MOOSE N Mailing Address LONE MOOSE N	LON II Owner MEADOWS s	E MO	OSE NC). 2		Water [*]	Vater L Tempe Test *	evel: 12		
City BIG SKY	Stat MT	e	Zip Code 59716			pumpir	ig.	np rate with _ feet of drawdown after <u>24</u> hours of erv <u>20</u> hours.		
Section 2: Loc	ation					Recove	ery wat	er level <u>12</u> feet.		
Township	Range	Section		rter Sec		Pumpir	ng wate	er level <u>48</u> feet.		
06S	03E	28		NE¼ SW	1/4					
	County		Ge	eocode		* During the well test the discharge rate shall be as uniform as				
GALLATIN Latitude	Longitud	<u>م</u>	Geometho	Ч	Datum			rate may or may not be the sustainable yield of the well.		
45.28102	111.36542		TRS-SEC		NAD83					
Altitude	Me	thod	Datun	า	Date					
Addition		Block		Lo	t	Sectio	n 9. W	ell Log		
						Geolog		-		
						Unassi	-			
Section 3: Pro	posed Use of	Water					То	Description		
DOMESTIC (1)						0		TOP SOIL		
Section 4: Typ	e of Work					5		GRAVEL		
Drilling Method: F						35	60	SHALE & SANDSTONE		
3	-					60	90	GREY SANDSTONE		
Section 5: We	II Completion	Date				90		GREY & BROWN BEDROCK		
Date well comple	eted: Thursday, N	ovember 1	6, 2000							
Section 6: We	II Constructior	n Details								
Borehole dimen										
From To Diam										
0 20	12									
20 46	8									
46 100	7									
Casing		I	1					1		
	Wall Thiskness	Pressure		Turne				1		
	eter Thickness	rtating		Туре		Driller	Certifi	cation		
-2 46 8		ļ	WELDED	STEEL				rmed and reported in this well log is in compliance with		
20 100 6			THREADED	PVC		the Mo	nṫana v	well construction standards. This report is true to the best		
Completion (Per		Size of				of my k	nowled	dge		
From To Diam	eter Openings		Description				Na	ime:		

Company: OKEEFE DRILLING CO License No: WWC-462 Date Completed: 11/16/2000

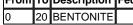
FACTORY SLOTTED

.050 IN

Cont.

Fed?

	Juild Wut	•••••••••••••••••••••••••••••••••••••••		(10) 51	le nepo		11.2000 14.501 01			
		MONTANA	WELL LOG REPO	ORT			Other Options			
record of work of encountered. The Water Information	done within his report is on Center (the borehole complied el GWIC) datal	icensed Montana v e and casing, and o ectronically from th base for this site. A accomplished by th	describes th ne contents Acquiring wa	e amoun of the Gr ater rights	t of wat ound- is the				
Site Name: LON	NE MOOSE	MEADOWS	6		Section 7: Well Test Data					
GWIC Id: 165874LONEMOOSETESTWELLSection 1: Well OwnerOwner NameLONE MOOSE MEADOWSMailing Address205 E MENDENHALL						Total Depth: 220 Static Water Level: 0 Water Temperature: Air Test * <u>100</u> gpm with drill stem set at <u>215</u> feet for <u>1</u> hours.				
City BOZEMAN	•					f recoverserverserverserverserverserverserverserverserverserverserverserverserverserverserverserverserverserver Freederserverserverserverserverserverserverserverserverserverserverserverserverserverserverserverserverserverser	ery <u>1</u> hours. er level <u>0</u> feet. er level <u>215</u> feet.			
Section 2: Loca	ation					0				
Township 06S C	Township Range Section Quarter Sections					e. This	vell test the discharge rate shall be as uniform as rate may or may not be the sustainable yield of the well ield does not include the reservoir of the well casing.			
GALLATIN					e di e tali					
Latitude 45.28102	Longit 111.36		Geomethod TRS-SEC	Datum NAD83	Section 6: Remarks					
Altitude	l	Method	Datum	Date	Sectio	n 9: W	ell Log			
Addition			Block	Lot 1	Geolo g Unassi	gic Sou	-			
	EADOWS			I	From	То	Description			
Section 3: Prop	osed Use	of Water			0	4	TOPSOIL			
DOMESTIC (1)					4	45	GRAVEL			
					45	60	SHALE & SANDSTONE			
Section 4: Type					60	92	GRAY SANDSTONE			
Drilling Method: R	OTARY				92		GRAY / BROWN BEDROCK			
Section 5: Well	Completio	n Date			102		BEDROCK PINK BEDROCK			
Date well complete	-		997		110		BLACK SHALE SPECKS OF CLAY			
·					160	220	BLACK & WHITE SPECKLED ROCK			
Section 6: Well		ion Details								
Borehole dimens							l			
From To Diame	_									
0 220	6									
Casing	Wall	Pressure								
From To Diamet			oint Type							
-2 48 6	0.250	_	VELDED STEEL		Driller	Certifi	cation			
Completion (Perf	/Screen)				All wor	k perfo	rmed and reported in this well log is in compliance with			
From To Diame	# of eter Openin	Size of gs Openings	s Description		the Mo of my k	ntana v	vell construction standards. This report is true to the bes			
48 220 6			OPEN HOLE			Na	me:			
Annular Space (S	Seal/Grout/P	acker)				Compa	any: HAGGERTY DRILLING			
	Cont.						No: WWC-353			
From To Descrip	otion Fed?				Date	Comple	ted: 7/23/1997			



Unassi	gned	
From	То	Description
0	4	TOPSOIL
4	45	GRAVEL
45	60	SHALE & SANDSTONE
60	92	GRAY SANDSTONE
92	102	GRAY / BROWN BEDROCK
102	110	BEDROCK PINK BEDROCK
110	160	BLACK SHALE SPECKS OF CLAY
160	220	BLACK & WHITE SPECKLED ROCK

MONTANA WELL LOG REPORT

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 complied 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.

Other Options

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

Site Name: RADICI	V JOHN *A	SPEN GRO	VE		Section	7: We	II Test Data
GWIC Id: 159764	ASP	EN GRO	OVE NO.	1 (TW)			
				- (,	Total De Static W		
Section 1: Well Ow	ner				Water T		
Owner Name RADICK JOHN					mator 1	ompon	
Mailing Address					Pump T	est *	
PO BOX 160011					Denth n		attention to at
City	St	tate	Zip Code				et for test _ feet. • rate with _ feet of drawdown after <u>8.5</u> hours of pumping.
BIG SKY	М	Т	59716				ery _ hours.
					Recover	y wate	er level _ feet.
Section 2: Location	۱				Pumping	g water	r level <u>100</u> feet.
Township	Range	Section	Quarter S				
06S	03E	34	SW¼ SW		* During	the we	ell test the discharge rate shall be as uniform as possible. Thi
	unty		Geocod	e			ay not be the sustainable yield of the well. Sustainable yield
GALLATIN	ا م م م	4	Coordinational	Detum	does no	t includ	de the reservoir of the well casing.
Latitude 45.261895	Longi 111.34		Geomethod TRS-SEC	Datum NAD83			
Altitude		Wethod	Datum	Date	Section	8: Rei	marks
, initiado	•	liotitou	Datam	Duto	Section	0· Wo	ll Log
Addition		Block		Lot	Geologi		-
					Unassig		
Castion 2. Dranas		Notor				То	Description
Section 3: Propose There are no uses ass					0	14	CLAYBOUND GRAVELS AND BOULDERS
		wen.			14		CLAY AND BROKEN SHALE
Section 4: Type of	Work				21		SHALE CLAY SOFT BROWN
Drilling Method: ROTA					31		WEATHERED SANDSTONE GRAY SOFT WITH HARD SPOTS
					41	43	BLACK SHALE SOFT
Section 5: Well Co	•				43	46	BROWN CLAY SOME SHALE
Date well completed: T	uesday, Jul	y 30, 1996			46	54	D. GRAY SHALE AND CLAY SOFT
Section 6: Well Co	otruction	Deteile			54	72	SANDSTONE CLAY SOME SHALE VERY MIXED
Borehole dimensions		Details			72	84	BLACK SHALE CLAY 70-75 FT 5 GPM
From To Diameter					84	91	SHALE LIGHT GRAY
0 20 10					91	95	STICKY CLAY AND SHALE
20 180 6					95	102	BLACK SHALE CLAY
Casing					102	104	SANDY SHALE HARDER D. GRAY 102-103 12 GPM
	Wall	Pressure			104	116	SHALES CLAY COLOR VARIES GRAY BROWN
From To Diameter			oint Type		116	121	GREENISH GRAY SHALE
-1.7 56.5 6	0.250	V	VELDED STEEL		Driller C	ertific	ation
40 180 4.5	1	160.00 V	VELDED PVC				med and reported in this well log is in compliance with the
Completion (Perf/Scr	een)	· ·					construction standards. This report is true to the best of my
		Size of			knowled		
From To Diameter	Openings C	Dpenings Des	cription				ame:
60 80 4.5 2	20 .(025X1IN FAC	TORY SLOTTED				pany: HAYES DRILLING
100 120 4.5 2	20 .(025X1IN FAC	TORY SLOTTED				e No: WWC-361
160 180 4.5 2	20 .(025X1IN FAC	TORY SLOTTED		Date	Compl	eted: 7/30/1996
Annular Space (Seal/	Grout/Pack	er)					
	Cont						
From To Description		?					
0 20 CEMENT G	ROUT	1					

MONTANA WELL LOG REPORT

Other Options

Plot this site on a topographic map

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 View scanned document (2/21/2008 6:07:26 PM) encountered. This report is complied 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.

Zip Code

Geomethod

TRS-SEC

Block

Datum

59716

2

Quarter Sections

SF1/4

Datum

NAD83

Date

Lot

Geocode

ASPEN GROVE NO.

State

Section

34

MT

Longitude

111.336936

Method

Range

03E

County

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

Unassi	gned	
From	То	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

Section 3: Proposed Use of Water

Site Name: RODDICK SKIP * PW-2

GWIC Id: 169476

Owner Name

City

BIG SKY

GALLATIN

Addition

Mailing Address PO BOX 160011

Section 1: Well Owner

RODDICK SKIP * PW-2

Section 2: Location

Township

06S

Latitude

45.264592 Altitude

DOMESTIC (1)

ASPEN GROVES

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

CEMENT 640 10/20 GRAVEL

Date well completed: Thursday, June 04, 1998

Section 6: Well Construction Details

Boreh	ole d	dimension	s						
From	То	Diameter							
0	23	10							
23	640	6							
Casing	g					4			u
			Wa	11		Pressur	е		
From	То	Diamete	r Thi	cknes	SS	Rating		Joint	Туре
-3	57	6	0.2	50				WELDED	STEEL
14	640	4						WELDED	PVC
Comp	letio	n (Perf/Sc	reen)						
			# of		Siz	ze of			
From	То	Diameter	Oper	nings	Op	enings	De	escription	
240	640	4			.02	25X1.5IN	F/	ACTORY SI	OTTED
Annul	ar S	pace (Sea	/Grou	ut/Pac	ke	r)			
				Cont					
From	То	Descripti	on	Fed?	<u>ا</u> ر				

MONTANA WELL LOG REPORT

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 complied 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.

38 CEMENT

0

Other Options

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

GWIC Id: 169477		PW-3 איס די יד ריס א			n	Section	17:We	II Test Data		
GWIC Id: 169477 ASPEN GROVE NO. 3 Section 1: Well Owner Owner Name					. 3	Total Depth: 529 Static Water Level: 42 Water Temperature:				
RODDICK SKIP * P Mailing Address	W-3					Pump 1	fest *			
PO BOX 160011						Donth r		t for toot		
City		State	Zip C			Depth pump set for test _ feet. <u>80</u> gpm pump rate with _ feet of drawdown after <u>69</u> hours of pumping.				
BIG SKY		MT	5971	6				ry <u>72</u> hours. r level <u>43</u> feet.		
Section 2: Locati	on							level <u>55</u> feet.		
Township	Range	Secti	on	Quarter Sec	ctions					
06S	03E	34		SE¼		* Durin	the w	all test the discharge rate shall be as uniform as possible. Th		
C	ounty			Geocode				ell test the discharge rate shall be as uniform as possible. Th ay not be the sustainable yield of the well. Sustainable yield		
GALLATIN								the the reservoir of the well casing.		
Latitude	Lor	ngitude	Geor	nethod	Datum	0000 //	in nonad			
45.264592	111	.336936	TRS	S-SEC	NAD83	Sectior	8: Rer	narks		
Altitude		Method	I	Datum	Date					
						Section	9: We	ll Log		
Addition			BI	ock	Lot	Geolog	ic Soui	rce		
ASPEN GROVES						Unassi	ned			
Section 3: Propo	sed Lise o	f Water				From	То	Description		
DOMESTIC (1)		i mater				0	10	CLAY & ROCKS		
201120110(1)						10	35	SHALE		
	of Work									
Section 4: Type of						35	42	GRAY SANDSTONE		
Section 4: Type of Drilling Method: RO						35		GRAY SANDSTONE BLACK & GRAY SHALE		
							69			
	TARY	n Date				42	69 76	BLACK & GRAY SHALE		
Drilling Method: RO	TARY Completion		98			42 69 76	69 76 88	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE		
Drilling Method: RO Section 5: Well C Date well completed	TARY Completior I: Thursday,	June 04, 199	98			42 69 76 88	69 76 88 91	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C	TARY Completion Thursday,	June 04, 199	98			42 69 76 88 91	69 76 88 91 102	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio	TARY Completion I: Thursday, Constructions	June 04, 199	98			42 69 76 88 91 102	69 76 88 91 102 109	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio From To Diamete	TARY completior : Thursday, constructions r	June 04, 199	98			42 69 76 88 91 102 109	69 76 88 91 102 109 138	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE SILTSTONE & SHALE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio From To Diamete 0 22 10	Completion Completion Constructions r 0	June 04, 199	98			42 69 76 88 91 102 109 138	69 76 88 91 102 109 138 215	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE SILTSTONE & SHALE GRAY RED & BLACK SHALE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio From To Diamete 0 22 10 22 529 0	TARY completior : Thursday, constructions r	June 04, 199	98			42 69 76 88 91 102 109 138 215	69 76 88 91 102 109 138 215 233	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE SILTSTONE & SHALE GRAY RED & BLACK SHALE SANDSTONE & SILTSTONE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio From To Diamete 0 22 10	Completion Completion Thursday, Construction ns r 0 6	June 04, 199				42 69 76 88 91 102 109 138 215 233	69 76 88 91 102 109 138 215 233 387	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE SILTSTONE & SHALE GRAY RED & BLACK SHALE SANDSTONE & SILTSTONE BLACK GRAY GREEN & BLUE SHALE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio From To Diamete 0 22 10 22 529 0 Casing	Completion Completion Thursday, Construction ns r 6 6	June 04, 199 on Details all	Pressure	loint	Turno	42 69 76 88 91 102 109 138 215 233 387	699 766 888 911 102 109 1388 215 233 387 390	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE SILTSTONE & SHALE GRAY RED & BLACK SHALE SANDSTONE & SILTSTONE BLACK GRAY GREEN & BLUE SHALE HARD GRAY SANDSTONE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio From To Diamete 0 22 10 22 529 0 Casing From To Diam	TARY completior Thursday, constructions r 0 6 wa neter Th	June 04, 199 on Details all ickness		Joint	Туре	42 69 76 88 91 102 109 138 215 233 387 390	699 76 888 911 102 109 138 215 233 387 390 392	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE SILTSTONE & SHALE GRAY RED & BLACK SHALE SANDSTONE & SILTSTONE BLACK GRAY GREEN & BLUE SHALE HARD GRAY SANDSTONE SOFT GRAY SHALE		
Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio From To Diamete 0 22 10 22 529 0 Casing From To Diam -3 38 6	TARY completior Thursday, constructions r 0 6 wa neter Th	June 04, 199 on Details all	Pressure	Joint WELDED	STEEL	42 69 76 88 91 102 109 138 215 233 387 390 Driller	69 76 88 91 102 109 138 215 233 387 390 392 Certific	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE SILTSTONE & SHALE GRAY RED & BLACK SHALE SANDSTONE & SILTSTONE BLACK GRAY GREEN & BLUE SHALE HARD GRAY SANDSTONE SOFT GRAY SHALE ation		
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Drilling Method: RO Section 5: Well C Date well completed Section 6: Well C Borehole dimensio From To Diamete 0 22 10 22 529 0 Casing From To Diam -3 38 6	Completion Completion Thursday, Constructions r 0 6 Wate neter Th 0.2 0.2 0.2	June 04, 199 on Details all ickness 250	Pressure		STEEL	42 69 76 88 91 102 109 138 215 233 387 390 Driller All work	69 76 88 91 102 109 138 215 233 387 390 392 Certific s perform a well c	BLACK & GRAY SHALE LIMESTONE BLACK & GRAY SHALE LIMESTONE GREEN SHALE GRAY SANDSTONE SILTSTONE & SHALE GRAY RED & BLACK SHALE SANDSTONE & SILTSTONE BLACK GRAY GREEN & BLUE SHALE HARD GRAY SANDSTONE SOFT GRAY SHALE ation med and reported in this well log is in compliance with the		
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Site Name: RODDICK SKIP * PW-3 GWIC Id: 169477 Additional Lithology Records						
From	То	Description				
392	394	HARD GRAY SANDSTONE				
394	433	SOFT GRAY SHALE				
433	441	GRAY SANDSTONE				
441	512	GRAY SHALE				
512	529	SANDSTONE				

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Owner 8	lg.Sky.	of Nont				<u>.</u>	32	36_	Pine (ravel 1	va.p	و هي تثبية تشت
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Date well	started AN	5. 1 1. :	1972	W 1			_65	76_	Silty	Sand ()	ilka Qu	
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USE: If us state and A ESTIMATED State of Brilled Hole	Addition). Addition). ANNUAL Size and Weight of Ching 8 5/8 00 %	gation, ind acres and WITHDRAW Prom (Free) 2 % ground ground	Stati Pur at beg wel for Pow Rem pac	ic water let bic water let big water issured	r other. Ex ta (i.e. Lot, PERFORATION PERFORATION (Feet) r level	(plain, Block						
WSE: If us state and a ESTIMATED Size of Drilled Hole W	Addition). Addition. Addition). Addition). Addition. Ad	gation, ind acres and WITHDRAW Prom (Prot) 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4	Ustrial, c location of /AL Te (Feet) 50 50 50 50 50 50 50 50 50 50 50 50 50	ic water le bring water issured	r other. Ex ta (i.e. Lot, PERFORATION PERFORATION PERFORATION (Feet) vel	cplain, Block						
WSE: If us state and A ESTIMATED Size of Drailed Hole W	Addition). Addition. Additi	gation, ind acres and WITHDRAW Prom (free) 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4	Ustrial, c location of /AL Te (Feet) 50 50 50 50 50 50 50 50 50 50 50 50 50	kind Size bic water let bing water sured 1 an. assured froi l developed ver	r other. Ex tra (i.e. Lot, PERFORATION PERFORATION (Feet)	cplain, Block						
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Montana Bureau of Mines and Geology Ground-water Information Center Site Report BIG SKY OF MONTANA * WELL #1

Location Information

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

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 Diamete	r Informatio	n	Casing Information					
No hole diameter records were found.			From (ft)	To (ft)	Dia (in)	Description		
			-2.0	64.5	8.0	-		
Annular Seal	Information		Completion I	formation				
From (ft)	To (ft)	Description	From (ft)	To (ft)	Dia (in)	Description		
6.0 16.0 GROUTED			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	

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http://mb.../db_onepage?gwic_id=108809&agency=mbmg&ll_sessionid=67397&rtype=site 7/24/2002

Plot this site on a topographic map

13-3M-10/69	2 Revised 1969		nas: is 2.548°¶48°				La d		County
		STATE OF			- 14 - 1 - 4 1 	రాజు చినియాలు క	지수는 14 		DRILLER'S LOG 176577
· · · ·	ADMINISTR	ATOR OF	GROUP R RESOL	IRCES BOA	RD JA.J			Indicat ness o	e the character, color, thick- f strata such as soil, clay, sand,
NOTIC			·····		NDWATER		4	aravel	, shale, sandstone, etc. Show
A	PPPOPPI	ATION I	RY ME	ANS OF	WELL .	an the training	<u>97 </u>	depth heiaht	at which water is found and to which water rises in well.
· · .	Devel	oped afte	r Janua	ry 1, 1962		N OF A CONTRACTOR OF A		ΝŤΖ	IN VILLAGE NO.
(Under Ci	hapter 237	Montana	Session	Laws, 196	1, as amond	ed) '	Top of	Ground	(Elev. above sea level)
This form t	o be prepa	red by d	riller, a	nd three o	opies to be	filed	From (Feet)	To (Feet)	
by the own which the v	er with the well is locat	ed, last c	opy to	a Recorder be retained	in the coun by driller.	пуп	_ <u>0_</u> .	16	Crowal & Rocks
Please answ	er all quest	ions. If n	ot appli	cable, so st	ate, otherwis	e the	1-1	17	Araval
form may b	e reionieu.	<u>, , , , , , , , , , , , , , , , , , , </u>							
Owner 121;	sky of	<u>Conts</u>	1 1 2	For Adn	ninistrator's U	se	-17-	40_	Brousl in Slay tight
Address							_40_	<u>.</u>	Growni in day loose
:							50	55_	Yollow_Clow
	7, ont	309	••••••						
Date well s	tarted	gust 1	9. 19	GAN 1			-57-	-50-	_ org_ clay
							<u>_90_</u>	lan_	_3hul e
								<u></u>	و هو هی چن بین خو چیز چو اینا کو ای برای بین می واد بین می واد بین می واد بین
					ed or drilled)				
Equipment	used	9872 M	111 -	Churn drill 20	tary or other)				، هم چې هم خم خو مو چې که که هم خو خو خو خو مو خو چې خو مو خو د
	Domestic		nicipal [
Waler Osc.	Dontobile								
Indu	ustrial 📋	Drainage		ther 🕵 *	Garden/Lav	wn []			
USE: If use	ed for irric	gation, inc	dustrial,	drainage	or other. Ex data (i.e. Lot,	kplain, Block			
								<u> </u>	
ESTIMATED		WITHDRAV	NAL	*****	******			+	
Size of Drilled	Size and Weight	From (Feet)	To (Feet)		PERFORATION	NS			· · · · · · · · · · · · · · · · · · ·
Hole	of Casing	21	43	Kind Size	From (Feet)	To (Feet)			
82	8 5/8	1 2 4	1 24.5						<u></u>
	00 🗙 🛛			-					
	00 x .250	above ground	1.	***					
	00 🗙	above	1.	***	***				
	00 🗙	above	1.	***	***	*****			
	00 🗙	above	1.						
	00 🗙	above		atic water	level				
	00 x .250	above	St	mping wa	level	37ft.	*		
	00 x .250	above	St	umping wa	ter level; gallons	37ft. per minute	*		
	00 x .250	above	St Pi at b	umping wa 20 easured 1 egan.	ter level gallons 7 min 09 s af	37 ft. per minute ter pumpin	*		
•	00 x .250	above	St Pt at b E *	easured 1 egan. Measured f	ter level gallons 7 min cies af rom ground	32ft. per minute ter pumpin level.	*		
•	00 x .250	above	St Pi at b E *j W	easured 1 egan. Measured f /ell develop	ter level gallons famin ons af rom ground ped by	17ft. per minute ter pumpin level.	* 		
•	00 x .250	above	St Pr at b: E *; V fc P	easured) easured) egan. Measured f /ell develo pr	ter level gailons 7 min 7 s af rom ground ped by hours. 	37ft. per minute ter pumpin level.	*, P P P		
•	00 x .250	above	St Pr at b E *// VV fc Pr R	Imping wa PO easured J egan. Measured f /ell develo or	ter level gailons minore af ped by ped by pump ravel packing e of shutoff)	22ft. per minute ter pumpin level. 	*, P P P		
	00 x .250	above ground	St Pro at b: St Pro at b: St Pro at pro st St St St St St St St St St St St St St	mping wa easured 1, egan. Measured f /ell develo or	ter level gailons firom ground ped by hours. Pump ravel packing e of shutoff)	12ft. per minute ter pumping level. 	*,		
	N .250 N .250 .250	above ground X	St Pro at b: E *j W fc PP R P S	mping wa easured 1 egan. Measured f /ell develo ower	ter level gallons gallons gallons gallons and by hours. Pump- ravel packing e of shutoff) gran 6. gran 6. gran 6.	12ft: per minute ter pumping level. 	*,		
	N .250 N .250	Ebove ground X Sec. 30	St Pro at b F V f c Pri R Pri S S S S S S S S S S S S S S S S S S S	mping wa easured 1 egan. Measured fi /ell develop over. emarks: (G ackers, typ scattal 101 of stall to stall to	ter level gallons 7 min Ground ped by hours. Pump. ravel packing e of shutoff) Croun 6. 	12ft. per minute ter pumping level. 	*,		
	N .250 N .250 .250 	Above pround X Sec. 30 3E N OF WEL	St Pri at bi E *j W Fc Pri R Pri E L L	mping wa easured 1 egan. Measured fi /ell develop ower. emarks: (G ackers, typ scattal 101 of stall 101 of stall 101 of stall 101 of stall 101 of stall 101 of stall 101 of stall 101 of stall 101 of stall 100 of st	ter level gallons gallons gallons gallons and by hours. Pump- ravel packing e of shutoff) gran 6. gran 6. gran 6.	12ft. per minute ter pumping level. 	*,		
	N N N N N N N N N N N N N N	Above ground X Sec. 30 3E	St Pro at b St Pro st Pro R Pro R Pro R Pro St St St St St St St St St St St St St	mping wa easured 1 egan. Measured f /ell develop ower. emarks: (G ackers, typ fronted 101.01 acainic PLACE OF D ACRES.	ter level gallons 7 min of the set ped by	12ft. per minute ter pumping level. 	*,		
	N N N N N N N N N N N N N N	Above ground X Sec. 30 3E	St Pro at b St Pro st Pro R Pro R Pro R Pro St St St St St St St St St St St St St	mping wa easured 1 egan. Measured f /ell develop ower. emarks: (G ackers, typ fronted 101.01 acainic PLACE OF D ACRES.	ter level gallons 7 min of the set ped by	12ft. per minute ter pumping level. 	*,		
NE T 6S INDICATE EACH SM Driller's S	000 32 • 250 • • •<	above ground X Sec. 30 3E N OF WEL REPRES	St Pro at W F F S S S S S S S S S S S S S S S S S	Provide the second seco	ter level gallons 7 min of the set ped by	12ft. per minute ter pumping level. 	*,		

M:108810 #2

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

Location Information

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

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

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

Well/Water	Use;	PUBLIC	WATER	SUPPLY

Hole Diamete	r Informatio	on	Casing Inforn			
No hole diamete	No hole diameter records were found.			To (ft)	Dia (in)	Description
			-2.0	50.0	8.0	
Annular Seal	Information		Completion I	nformation		
From (ft)	To (ft)	Description	From (ft)	To (ft)	Dia (in)	Description
6.0 16.0 GROUTED			40.0	50.0	8.0 .04	SLOT SCREEN

- -

...

Description

Lithology Information

Itala Diamakan Yuda

From (ft)	To (ft)
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.

Plot this site on a topographic map

NOT	MONTA CE OF C	OMPLET	F GROUN R RESOL	NDWATER C		CIEIIV AN 3 0 19; and Enter	74 au of	Indicat ness o gravel depth	DRILLER'S LOG/174570 the the character, color, thick- f strata such as soil, clay, sand, , shale, sandstone, etc. Show at which water is found and
	IFFRUERI		Den hande	ry 1, 1962			MOUI	cheight	to which water rises in well.
(Under C	hapter 237	' Montana	Session	Laws, 1961	, as amond	ed)	Top of	Ground	(Blev. above sea level)
This form t	to be prep	ared by d	iriller, aı Clerk an	nd three co d Recorder	pies to be in the coun	filed ity in	From (Feet)	To (Feet)	PE
which the	well is loca	ated, last c	opy toା	be retained cable, so sta	by driller.			15	Top Soil & Clay bou
form may b						6 116	_15	17.	Gravel
Owner	d.m filler	af Mont	6000. I	<u>Al</u>	-1-4411		17	_32	<u>Clay bound Gravel</u>
			ŀ		nistrator's U		32	_32.	Mostly_Clay
Address				File			37	64	Pine Send
4	y. Mont						- 10	50	Gravel with Clay
Date well	started 🐫	<u>a 25,</u>)	1978	GW 1		·····			
com	pleted .Au	18. 29 .	1972				50	_55_	
Type of we	11 Dr: A	11ed	~	ug, driven, dored	or drilled)		55	78	
				Churn drill, rotar					د. کنا سے نئے سوچی بنی بند میں کنا سے بیت جب نئے د
	: Domestic	Satistics .	(inicipal [
				ther 🍱		-			
	ustrial 🔲	Drainage	_,				. <u> </u>		
				drainage o					
state	number of	acres and	location	or other da	ita (i.e. Lot,	Block			
and A	Addition)								ن کی حلہ میں بھی جو ہوتا ہے۔ ان کی میں اس میں بین اور
ESTIMATED		WITHDRAV	VAL	******	*****				نىپە ھەر قەنە ھى قەنە ھەن ھەن ھەن ھەن ھەن ھەن يىپ ھەن ي
Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)		PERFORATION				، النظ حال الله، وإن الحد حال الله عام وال حد قبال نحد عام الله علم وا
8 ^m	# 5/8	2%	50	Kind Size	From (Feet)	To (Feet)			
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	250	and the second s							
	.250		· · ·					· · · · · · · · · · · · · · · · · · ·	
	.250								
	.250								
	-250		Sta	ntic water le	vel 10	ft.'			
	.250	×	Pu at	mping wate	r level . gallons	per minute	*		
	×250	×	Pu at me	mping wate 180 asured3	r level . gallons	per minute	*		
•	×250		Pu at me be s *N	mping wate 	r level gallons minutes aft m ground l	per minute er pumping evel.	*		
•	N		Pu at be E *N We for	mping wate assured	r level	ft. per minute er pumping evel.	*		
	N		Pu at be # *N We for Po Re	mping wate assured	r level gallons j minutes aft m ground l d by hours. 	fi. per minute evel. 	*, 9 P		
•	N S		Pu at be s *A Wa for Po Re pa	mping wate assured	r level	ft. per minute evel. 	*, 9 P 9,		
	s 4 .NE¼ S		Pu at be *N foi Po Re pa	mping wate assured	r level gallons millioles, aft d by hours. vel packing, of shutoff) 	ft. per minute re pumping evel. 	*		
	S		Pu at be * * M foi Po Re pa	mping wate assured	r level	ft. per minute re pumping evel. 	*		
NE / T 6S INDICATE	s 4 . NE ¼ S N R 5 LOCATION	5ec. 30	Pu at me be * M foi Po Re pa 	mping wate assured	r level	ft. per minute rer pumping evel. H , cementing to 164. Solot. Solot.	*		
	s 4 .NE¼ S 	Sec. 30	Pu at me be * * Mo foi Po Po Po Po Po Po Po Po Po Po Po Po Po	mping wate assured	r level	ft. per minute rer pumping evel. H , cementing to 164. Solot. Solot.	*		
NE ' T 6S INDICATE EACH SM Driller's Si	s 4 .NE¼ S S LOCATION ALL SQUAR ignature	Sec. 30 	Pu at me be *N Wa foi Po Re pa a 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	mping wate assured	r level	ft. per minute rer pumping evel. H , cementing to 164. Solot. Solot.	*		
NE ' T 6S INDICATE EACH SM Driller's Si	s 4 .NE¼ S 	Sec. 30 	Pu at me be * A Wa foi Po Re pa pa V X X X X X X X X X X X X X X X X X X	mping wate assured	r level	ft. per minute rer pumping evel. H , cementing to 164. Solot. Solot.	*		Show exact depth of bottor

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

Location Information

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

Plot this site on a topographic map

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 Diamete	r Informatio	n –	Casing Inform	nation		
No hole diamete	er records we	re found.	From (ft)	To (ft)	Dia (in)	Description
			-2.0	63.0	8.0	
Annular Seal 3	Information		Completion In	nformation		
From (ft)	To (ft)	Description	From (ft)	To (ft)	Dia (in)	Description
6.0		GROUTED	48.0	63.0		SLOT SCREEN

Lithology Information

F

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	

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http://mb.../db_onepage?gwic_id=108811&agency=mbmg&ll_sessionid=67397&rtype=site 7/24/2002

violitalia s Olou	nu- water	morma		wic) 510	c Repu	ι ν.	.11.2008 Tage T	л.
	N		WELL LOG REPO	ORT			Other Options	
This well log reporecord of work do encountered. This Water Information well owner's response.	ne within th s report is c n Center (G	ne borehole complied ele WIC) datab	and casing, and o ctronically from the ase for this site.	describes the ne contents o Acquiring wa	e amount of the Gro ter rights	of wat ound- is the	ater View scanned document (2/21/2008 5:57:53 P	
Site Name: LONE	MOUNTA	IN SPRING	S		Sectio	n 7: We	Vell Test Data	
GWIC Id: 103496 Section 1: Well O Owner Name LONE MOUNTAIN S Mailing Address PO BOX 1 City	wner SPRINGS Sta	ate	VILLAGE Zip Code	NO. 4	Water ⁻ Pump ⁻ Depth p <u>110</u> g	Vater L Femper Test * pump s pm pun	Level: 40 erature:	
BIG SKY	MT		59716		pumpin Time of		very _ hours.	
Section 2: Locati	on				Recove	ery wate	ater level _ feet.	
Township	Range	Section	Quarter Se	ections	Pumpir	ng wate	ter level <u>286</u> feet.	
06S	03E	30	NE	4				
Cou MADISON Latitude 45.286825 Altitude	unty Longit 111.398 Ma		Geocode Geomethod TRS-SEC Datum	Datum NAD83 Date	possibl Sustair	e. This nable yi	well test the discharge rate shall be as uniform as is rate may or may not be the sustainable yield of the w yield does not include the reservoir of the well casing. Remarks	əll.
Addition			Block	Lot	0			
MOUNTAIN VILLAG	E		BIOCK	LOU	Geolog Unassi	jic Soι	Vell Log burce	
Section 3: Propos		Water				То	Description	
PUBLIC WATER SU	PPLY (1)				0		1 TOPSOIL	_
Section 4: Type c	of Work				1	24	4 LOOSE CLAYBOUND GRAVEL SOME COARSE-WET	_
Drilling Method: FOR		TARY			24	58	8 CLAYBOUND GRAVEL	
					58	87	7 CLAY & CHIPPED ROCK	
Section 5: Well C			204		87		0 SOFT SHALE	
Date well completed	: Friday, Nov	ember 16, 19	984		90		04 MED HARD SHALE	
Section 6: Well C	onstructio	n Details			104		IS HARD SHALE HARD SHALE IS SANDSTONE GREY & BROWN-WATER	_
Borehole dimensio	ns				145 149	-	1 GREY SHALE-SOFTER	
From To Diameter	r				149		78 HARD GREY SHALE	_
	6				178		88 SANDSTONE	_
Casing	hw-11	D101111111111111			188	220	20 BLACK SHALE-HARD	
From To Diamete	Wall er Thicknes	Pressure ss Rating	Joint Type		220	400	0 GRANITE	
0 78 8			STEEL					
20 400 6			PVC					
Completion (Perf/S	creen)						fication	
From To Diameter 200 400 6	-		Description			ntana v	formed and reported in this well log is in compliance with well construction standards. This report is true to the bedge.	
Annular Space (Sea	al/Grout/Pad						lame:	
	Co	-			_	-	pany: VAN DYKEN DRILLING INC	
From To Description	on Fe	d?					e No: WWC-380	
0 20 CEMENT					Date	Comple	leted: 11/16/1984	
0 0 DRILL CU	ITTINGS			-				
Screened In	tervals from	n Morrison-l	Maierle (1986)					
141-146								
211-216								
281-286								
392-397								

384-389 ft

State law requires that the Sureau's copy be filed by the 1. WELL OWNER By Sky	· · · · · · · · · · · · · · · · · · ·		
Hame Cascade Subduision	g) Re	uration of tes acovery time	t: Pumping timehrs.
2. CURRENT MAILING ADDRESS	h) Re	ecovery wate imping stops	rievelhrs. after
	Vie Vie	le intended i	la state 100 energy as a state of the state
	condu	or more. The Icled continu	to yield too gpm or more shall be tested for a period o test shall follow the development of the well, and shall JOUSIY at a constant discharge at least as well, and shall
3. WELLLOCATION WELL # 5	tende	d appropriati	voisi and nonwine development of the well, and shall jously at a constant discharge at least as great as the ion. In addition to the above information, water level di- and recorded on the Department's "Aquifer Test Da
Tex-ship 6 NigRange 3 CW County Config.	form.		and recorded on the Department's "Aquiter Test Da
Subdivision fame	a pres moval	de caps are a	shall be equipped with an access port ½ inch minimum hat will indicate the shut-in pressure of a flowing well. I acceptable as access ports.
	11. WAS Y !! yes,	NELL PLUGO	IED OR ABANDONED? Yes K No
Other specify	12. WELL		
5. TYPE OF WORK	From	dh (fl.) To	Formation
New well K Melnod Dug ∏ Bored (] Deepered [] Cable (Driven i)	0	80	BRACTURAN Rock
Reconditioned C Rotary K Jetted C	80	92_	Sauditers 12500
6. DIMENSIONS: Diameter of Hote	92	170	HARD ELAIGE 2009 March Sandatours
Dia 12 in from 0 ft to 207' 11	201		Soft Slicky Clay's 400
Lia in from fl. to ff		<u> </u>	STORAM beidge abouting
Dia II. trom II. to II			200 gan Alton granting
7. CONSTRUCTION DETAILS:	· · · · · · · · · · · · · · · · · · ·		
Threaded We'ded C Dia from fi to the	·		
hpe_ADSK_Wall Thickness_327_			
Casing Plastic Dia fromft toft.			
PERFORATIONS: Yes No R			
Type of perturator used		<u> </u>	·····
S 28 5' perforationsin. byin.			
perforations from fi to	·	<u>├</u>	
perforations fromfl. tofl.			
SCREENS: Yes () No K Manufacturer's Name			
Type Model No		 .	
Dia Slot size from fit to ft			
LiaSlot size from it. to ft.			
GRAVEL PACKED: Yes No Vs. Size of gravel			
Gravel placed fromft. toft. toft. toft.			· · · · · · · · · · · · · · · · · · ·
Material used in prouting creacent short P 180' to sweld	7	Gent	ad by Big Sty Concerters
8. WELL HEAD COMPLETION:	F	Cacau	y from Bound up
Pitless Adapter E Yes D No			
9. PUMP (Il installed)	ļ		
Manufacturer's name Type Model No Hp		<u>.</u>	ATTACH ADDITIONAL SHEETS W NECEDSARY
10. WELL TEST DATA	18. DATE C	ONPLETED	10-4-93
The information mounted in this section is south at a line in the	14. DAILLE	NCONTRAC	TOR'S CERTIFICATION
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 pro- wes the bullmade tobarmult.	This we my know	il was drilled	under my jurisdiction and this report is true to the bes
and for the second s		i i	.
a) Ar Pump Bailer b) Static water level immediately before testing 22 ft, If flow-			<u>B-29-94</u>
Figure constanting but gpm.	Karn	Alera	sety Desting Inc
other, (specify)	Firm Nai	n "77"	
01 Int pumping rate: 200 nom	Address	740 3	VUCKY Rd Bornow
e) Pumping water level 200 ft. at 72 hrs. after pumping began.		. No	12
	Signature		Ucense No.
MONTANA DEPARTMENT OF NATURAL RESOUR	CESAC	JNeen	
1520 EAST SIXTH AVENUE HELENA, MONTANA S	620-2301		
	INCI	Alet Co	mplained by Hagocarty Dr. 1

5

OWNER: Complete reverse side and send to DNRC when the well is completed and the water has been used beneficiarly for the intended purpose.

State law requires that the Sureau's copy be filed by the 1. WELL OWNER By Sky	· · · · · · · · · · · · · · · · · · ·		
Hame Cascade Subduision	g) Re	uration of tes acovery time	t: Pumping timehrs.
2. CURRENT MAILING ADDRESS	h) Re	ecovery wate imping stops	rievelhrs. after
	Vie Vie	le intended i	la state 100 energy as a state of the state
	condu	or more. The Icled continu	to yield too oppin or more shall be tested for a period o test shall follow the development of the well, and shall Jously at a constant discharge at least as development.
3. WELLLOCATION WELL # 5	tende	d appropriati	voisi and nonwine development of the well, and shall jously at a constant discharge at least as great as the ion. In addition to the above information, water level di- and recorded on the Department's "Aquifer Test Da
Tex-ship 6 NigRange 3 CW County Config.	form.		and recorded on the Department's "Aquiter Test Da
Subdivision fame	a pres moval	de caps are a	shall be equipped with an access port ½ inch minimum hat will indicate the shut-in pressure of a flowing well. I acceptable as access ports.
	11. WAS Y !! yes,	NELL PLUGO	IED OR ABANDONED?YesKNo
Other specify	12. WELL		
5. TYPE OF WORK	From	dh (fl.) To	Formation
New well K Melnod Dug ∏ Bored (] Deepered [] Cable (Driven i)	0	80	BRACTURAN Rock
Reconditioned C Rotary K Jetted C	80	92_	Sauditers 12500
6. DIMENSIONS: Diameter of Hote	92	170	HARD ELAIGE 2009 March Sandatours
Dia 12 in from 0 ft to 207' 11	201		Soft Slicky Clay's 400
Lia in from fl. to ff		<u> </u>	STORAM beidge abouting
Dia II. trom II. to II			200 gan Alton granting
7. CONSTRUCTION DETAILS:	· · · · · · · · · · · · · · · · · · ·		
Threaded We'ded C Dia from fi to the	·		
hpe_ADSK_Wall Thickness_327_			
Casing Plastic Dia fromft toft.			
PERFORATIONS: Yes No R			
Type of perturator used		<u> </u>	·····
S 28 5' perforationsin. byin.			
perforations from fi to	·	<u>├</u>	
perforations fromfl. tofl.			
SCREENS: Yes () No K Manufacturer's Name			
Type Model No			
Dia Slot size from fit to ft			
LiaSlot size from it. to ft.			
GRAVEL PACKED: Yes No Vs. Size of gravel			
Gravel placed fromft. toft. toft. toft.			· · · · · · · · · · · · · · · · · · ·
Material used in prouting creacent short P 180' to sweld	7	Gent	ad by Big Sty Concerters
8. WELL HEAD COMPLETION:	F	Cacau	y from Bound up
Pitless Adapter E Yes D No			
9. PUMP (Il installed)	ļ		
Manufacturer's name Type Model No Hp		<u>.</u>	ATTACH ADDITIONAL SHEETS W NECEDSARY
10. WELL TEST DATA	18. DATE C	ONPLETED	10-4-93
The information mounted in this section is south at a line in the	14. DAILLE	NCONTRAC	TOR'S CERTIFICATION
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 pro- wes the bullmade tobarmult.	This we my know	il was drilled	under my jurisdiction and this report is true to the bes
and for the second s		i i	.
a) Ar Pump Bailer b) Static water level immediately before testing 22 ft, If flow-			<u>B-29-94</u>
Figure constanting but gpm.	Karn	Alera	sety Desting Inc
other, (specify)	Firm Nai	n "77"	
01 Int pumping rate: 200 nom	Address	740 3	VUCKY Rd Borrow
e) Pumping water level 200 ft. at 72 hrs. after pumping began.		. No	12
	Signature		Ucense No.
MONTANA DEPARTMENT OF NATURAL RESOUR	CESAC	SNeen	
1520 EAST SIXTH AVENUE HELENA, MONTANA S	620-2301		
	INCI	Alet Co	mplained by Hagocarty Dr. 1

5

OWNER: Complete reverse side and send to DNRC when the well is completed and the water has been used beneficiarly for the intended purpose.

WELL	. LOG R	EPORT
------	---------	-------

Form No 603(A 2-89)

File No. 94-597- 10

North States

•

5

State law requires that the greau's copy be filed by the water well driller within 60 Jafter completion of the well. 1. WELLOWNER Duration of test: Pumping time 24 hrs. 0 BOYNE USA INC. Recovery time _____ Recovery water level Name ... 41.4 ft.al 3 hrs. after 2. CURRENT MAILING ADDRESS 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 in-P.O. BOX 160001 BIGSKY, MONTANA 59716 tended appropriation. In addition to the above information, water level data shall be collected and recorded on the Department's "Aquiler Test Data" 3. WELL LOCATION WELL #6 Section 19 SE - 1/4 NE . 1/4 ... SW 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. Re-W County GALLATIN Township ____ NS Range 3 6 Goyn't Lot Block , or Lot movable caps are acceptable as access ports. Subdivision Name _ 11. WAS WELL PLUGGED OR ABANDONED? Yes X No Tract Number If yes, how?, 4. PROPOSED USE: Domestic [] Stock [] Irrigation [] Other Xspecify PUBLIC SUPPLY WELL. 12. WELLING Depth (ft.) From 5. TYPE OF WORK: Formation To Method: Dug **X**) New well Ð Bored U TOP 5 ROCK-FILL DIRT Deepened П Ð Cable Driven Th: 5 20 SHATTER ROCK-SAND STONE-LIME X Reconditioned G Rolary Jetted [] STONE BLACK SILT FINE SAND-SANDY CLAY-SHATTER 20 40 6. DIMENSIONS: Diameter of Hole ROCK-SAND STONE-BLACK SHALE Dia. <u>12</u> 0 In. from ft. to 200 ft. SAND STONE-LIGHT GREEN SHALE 40 43 Dia in, from fl. to ft 43 STREAKS SANDY CLAY-SAND STONE-45 Dia in. from ft. to ft LIGHT GREEN SHALE 7. CONSTRUCTION DETAILS: 45 47 SAND STONE-LIGHT GREEN SHALE Dia8 5/8 from ±2 fl to 200 Casing: Steel ft 47 48 TRACES SANDY CLAY-SAND STONE-Threaded 🕘 Welded 🏝 Dia._ from_ _ft. to_ _ft GREEN & BLACK SHALE Type A53 __ Wall Thickness_ 322 48 60 HARD-SAND STONE-GREEN & BLACK SHALE Casing: Plastic Dia. from ft. to ft 60 65 SAND STONE-BLACK & GRAY SHALE Weight Dia. _ from _ft 65 110 BLACK SAND STONE-GRAY SHALE PERFORATIONS: Yes 🖾 No 🗗 110 115 CRAY TRACE CLAY-SAND STONE-BLACE HOLTE Type of perforator used ... & GRAY SHALE Size of perforations _ 3/16 in. by in. 115 119 SAND STONE-BLACK & GRAY SHALE 1920 HOLES perforations from 160 200 ft to ft 119 121 GRAY SAND STONE-VERY HARD perforations from _ 121 _ft, to _ft. 122 ROCK-GREEN & GRAY SAND STONE perforations from ft. to ft. 122 125 ROCK-PINK & GRAY SAND STONE-HAR 125 ROCK-BLACK & GREEN SAND STONE 130 SCREENS: Yes 🖸 Not 130 145 GRAY ROCK-GREEN & BLACK SAND ST NE Manufacturer's Name 145 BLACK & GRAY SAND STONE-BLACK 151 Type ____ Model No. TRACE SHALE Slot size Dia. from ft.10 ft. 151 165 BLACK SHALE Dia. 🔔 Slot size from ft. to , ft. 165 167 BLACK SHALE **GRAVEL PACKED:** Yes 🖸 No Size of gravel 167 178 TRACE OF QUARTZ-BLACK SHALE Gravel placed from , ft. ft. to 178 179 GRAY SHALE GROUTED: To what depth? 60 . 11. 179 180 TRACE QUARTZ-BLACK SHALE Material used in grouting . NEAT CEMENT 180 200 BLACK SHALE 8. WELL HEAD COMPLETION: Pitless Adapter Yes XNo 9. PUMP (if installed) Manufacturer's name ATTACH ADDITIONAL SHEETS IF NECESSARY Type_ Model No. .HP. 13. DATE COMPLETED. 7-27-96 10. WELL TEST DATA 14. DRILLER/CONTRACTOR'S CERTIFICATION The information requested in this section is required for all wells. All depth measurements shall be from the top of the well casing. This well was drilled under my jurisdiction and this report is true to the best of my knowledge. All wells under 100 gpm must be tested for a minimum of one hour and provide the following information: 7~30-96 100 X Pump Air Bailer Dat Static water level immediately before testing 14 ft. If flow **RED TIGER DRILLING** ing: closed-in pressure ____ Flow controlled by: _____ . psi. _ gpm valve, Elrm Neo reducers, other, (specify) _____ Depth at which pump is set for test BOX 659 MANHATTAN, MONTANA 59741 191 C) 62 gpm. Add The pumping rate: 490 Pumping water level 24 ft. at hrs. after 386 pumping began. License No. **MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION** 1520 EAST SIXTH AVENUE HELENA, MONTANA 59620-2301 444-6610

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

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 complied 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.

Zip Code

Block

Lot

59716

Site Name: BIG SKY WATER AND SEWER DISTRICT

GWIC Id: 205931 MOUNTAIN VILLAGE NO.

Section 1: Well Owner

Owner Name

BIG SKY WATER AND SEWER DISTRICT Mailing Address

PO BOX 161097 City

BIG SKY

.....

State

MT

Section 2: Loca	tion			
Township	Range	Section	Quarter Sec	tions
06S	03E	30	NW¼ NW¼ NE	¼ NE¼
	County		Geocode	•
MADISON				
Latitude	Lo	ngitude	Geomethod	Datum
45.290145	111	.397756	TRS-SEC	NAD83
Altitude		Method	Datum	Date

Addition

MOUNTAIN VILLAGE WELL #7

Section 3: Proposed Use of Water PUBLIC WATER SUPPLY (1)

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	То	Diameter	
0	30	16	
30	312	12	

Casin	g									
	Τ				Wall			ressure		
From	То)	Diame	ter	Thic	kness	R	ating	Joint	Туре
-2	28	0	8		0.250)				STEEL
Comp	letio	n (Perf/Sc	reen)						
				# of		Size of				
From	То	Di	ameter	Oper	nings	Opening	s	Descriptio	n	
270	280	8		18		1X3IN		TORCH OF	R PLAS	MA CUTS
Annul	Annular Space (Seal/Grout/Packer)									

			Cont.
From	То	Description	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 *

7

Depth pump set for test <u>275</u> feet. <u>400</u> gpm pump rate with <u>230</u> feet of drawdown after <u>1</u> hours of pumping. Time of recovery <u>1</u> hours. Recovery water level <u>40</u> feet. Pumping water level <u>270</u> 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	То	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				

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

Other Options

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 Additional Lithology Records			
From	То	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

6595 Bear Claw Lane • Bozeman, MT 59715 (406) 585-5947

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

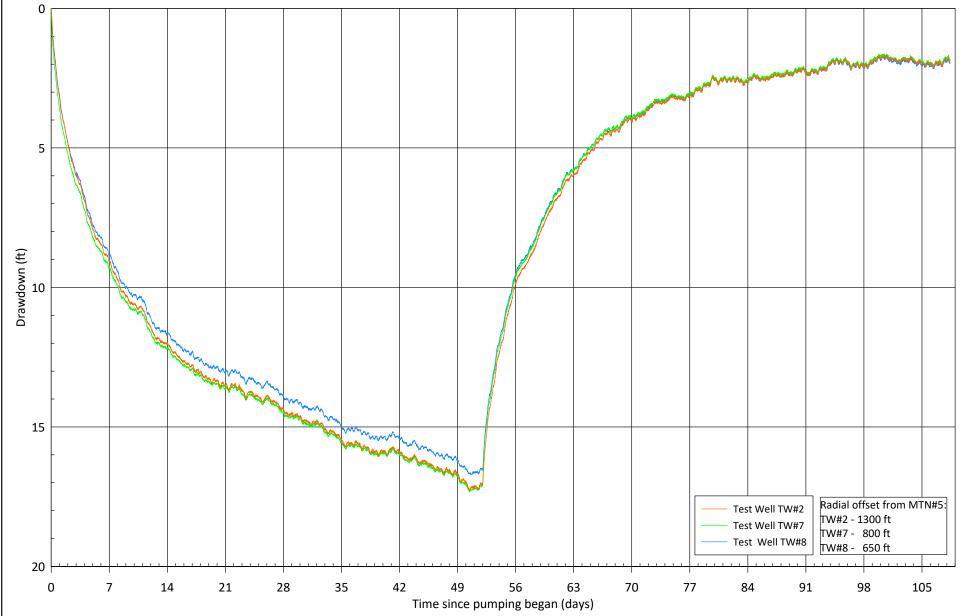


Figure 2. Test Well Drawdown Data

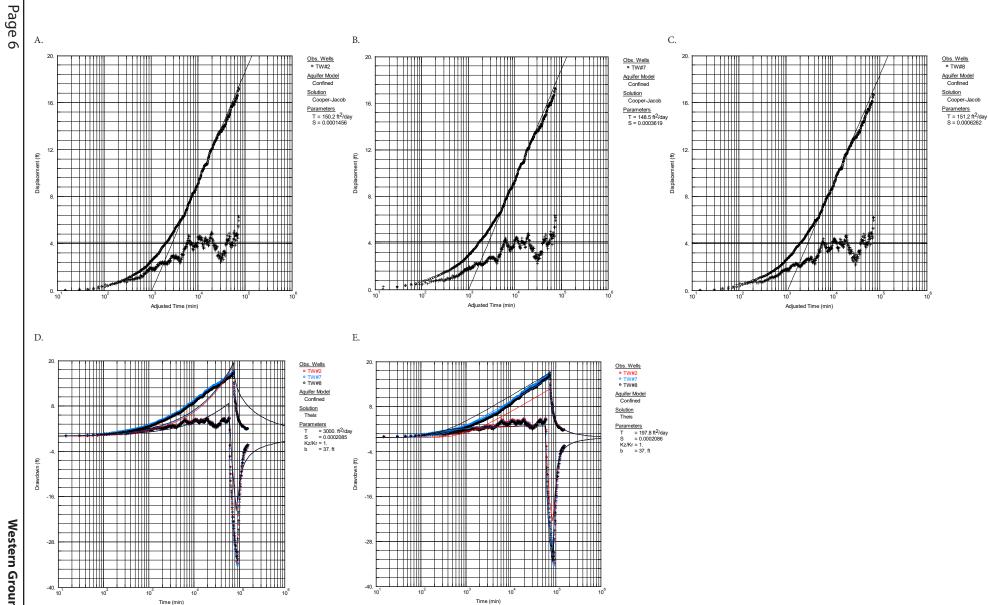


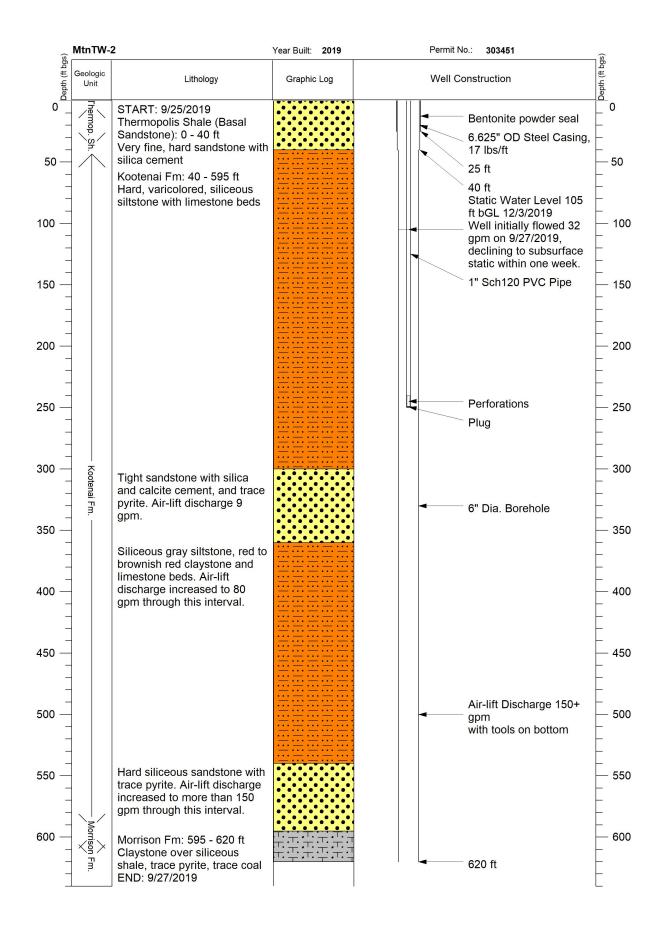
Figure 3. Hydraulic Analysis Plots

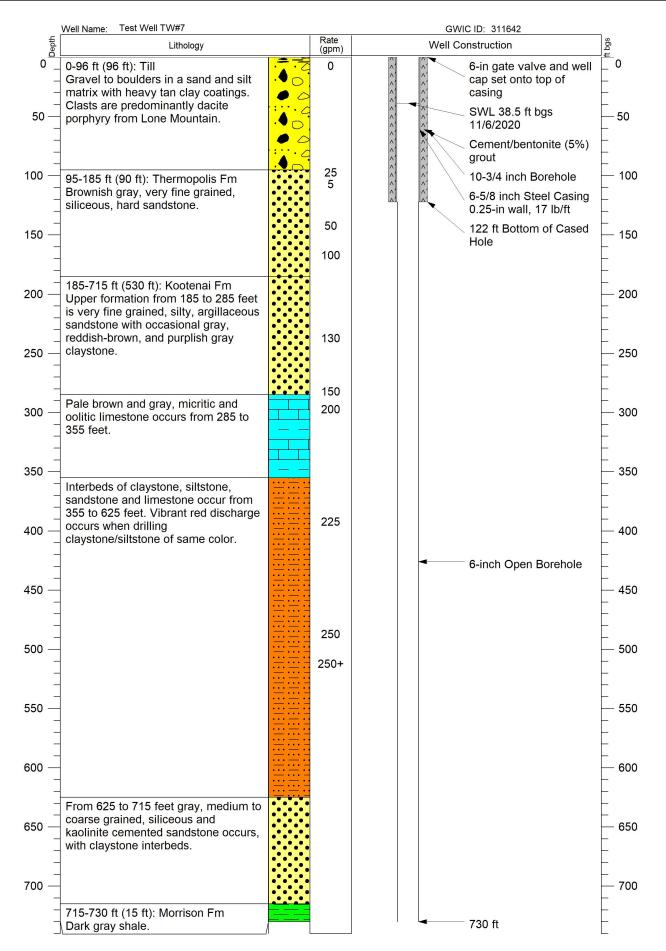
Western Groundwater Services

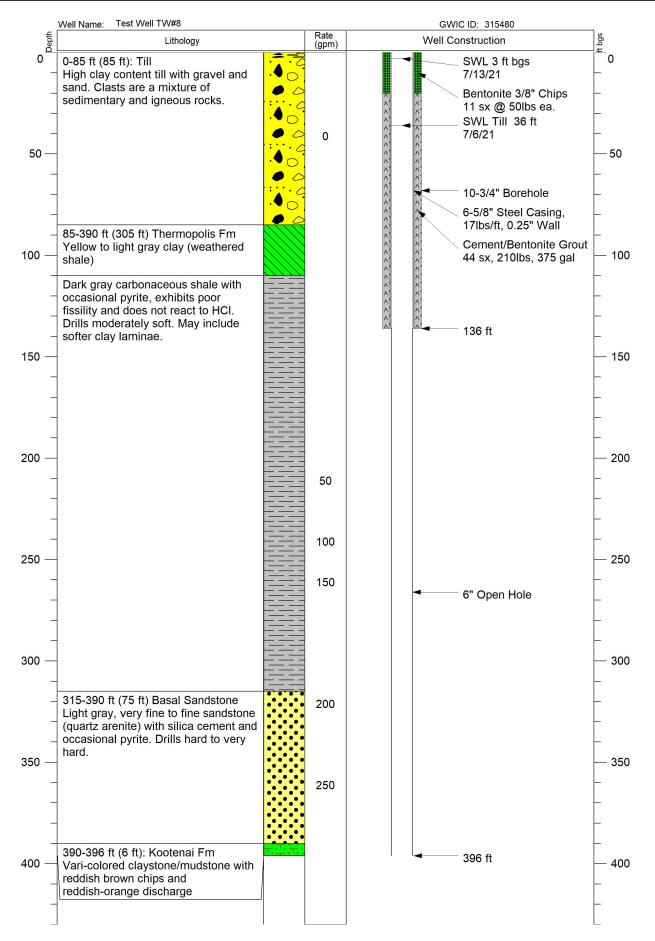
ATTACHMENTS

WELL LOGS

ğ	viounta	in Village #5	Year Built: 2004	GWIC No.: 248989	
Jepth (ft t	Geologic Unit	in Village #5 Lithology (well data from driller log)	Graphic Log	GWIC No.: 248989 (sb gd t) Well Construction	
0 10 20 - 30 - 30 - 40 - 50 - 60 - 70 - 80 -		0, 80 Fractured rock (presumed shale)		Static Water Level, -1.4 ft, 6/4/18 Pitless unit (with check valve) -24 	0 20 30 40 50 50 70
90 — 100 — 110 — 110 — 120 — 130 —	- Cretaceous Thermopolis Shale (Kmt)	80, 92 Sandstone (125 gpm) 92, 170 Hard shales (200 gpm)		Cement seal 4-1/2 inch column pipe (black steel, 8 @ 21', T&C) 12-inch borehole - 1	100 110 120 130
140 — - 150 — - 160 — - 170 —		170, 207			140 150 160 170
180 — 190 — 200 —		Hard sandstone (Air lifting 400 gpm before grouting; 200 gpm after grouting)		Submersible pump (Goulds 7WALC, 4- stage) Submersible motor (Franklin, 25hp,	180 190 200
210 —		207, 212 Soft, sticky clay		· · · · · · · · · · · · · · · · · · ·	210
220 — 				_	220 230







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.

Page 1 of 2 General Abstract

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 107416-0											
Owners:	Version: 2 Vers BIG SKY COL % RON EDW/ PO BOX 1606 BIG SKY, MT	sion Status: JNTY WATE ARDS 570	ACTIVE ER & SE	Ξ		363		VILLAGE VILLAGE		2, 3	3, 4	ł, 5
Priority Date:	NOVEMBER 1	15, 1999 at	11:30 A	.M.								
Enforceable Priorit	ty Date: NOVE	MBER 15,	1999 at	11:30 A	.М.							
Purpose (use):	MUNICIPAL											
Maximum Flow Rate:	985.00 GPM											
Maximum Volume:	1,307.38 AC-F	т										
Source Name:	GROUNDWA	TER										
Source Type:	GROUNE	WATER										
Point of Diversion and M				_	_							
ID 1	<u>Govt Lot</u>	<u>Qtr Sec</u> SWSWNE	<u>Sec</u> 36	<u>Twp</u> 6S		County GALLA	-					
Period of Diversion	: JANUARY 1 T WELL 50.00 FEET : 11.00 FEET			00	JL	GALL						
2		SESENW	36	6S	3E	GALLA	TIN					
Period of Diversion Diversion Means: Well Depth: Static Water Level Casing Diameter: Pump Size:	WELL 59.00 FEET : 14.00 FEET	O DECEM	3ER 31									
3		S2SENW	36	6S	3E	GALLA	ATIN					
Period of Diversion Diversion Means: Well Depth: Static Water Level Casing Diameter: Pump Size:	WELL 67.00 FEET : 33.00 FEET	O DECEM	3ER 31									
4	;	SWSWNE	35	6S	3E	GALLA	ATIN					
Period of Diversior Diversion Means: Well Depth: Static Water Level Casing Diameter: Pump Size:	WELL 45.00 FEET : 8.00 FEET	O DECEM	3ER 31									
5		NESWNE	36	6S	3E	GALLA	TIN					
Period of Diversion Diversion Means: Well Depth: Static Water Level Casing Diameter:	WELL 56.00 FEET		3ER 31									

<u>ID</u> 6		Govt Lot	<u>Qtr Sec</u> NENWSW	<u>Sec</u> 36	<u>Twp</u> 6S	<u>Rge</u> 3E	<u>County</u> GALLATIN
Period of	Diversion	JANUARY 1	TO JANUAR	Y 1			
Diversion	Means:	WELL					
Well Dep	th:	57.00 FEET					
Static Wa	ter Level	: 16.30 FEET					
Casing Di	ameter:	16.00 INCHE	ES				
Purpose (Use):		MUNICIPAL					
Volume:		1,307.38 AC					
		,					
Period of	Use:	JANUARY 1	to DECEMB	ER 31			
Place of U	Jse:						
ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
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
10				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 FORM NO 601 R11/96 STATE OF MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION 48 NORTH LAST CHANCE GULCH PO BOX 201601 HELENA MONTANA 59520-1601 **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 985.00 GPM UP TO 1307.38 AC-FT (01/01-12/31) USE : FOR MUNICIPAL S2 SEC, 25 TWP. 06S RGE. 03E GALLATIN CO FOR MUNICIPAL PLACE OF USE: SEC. 26 TWP. 06S RGE. 03E GALLATIN CO FOR MUNICIPAL SEC. 27 TWP. 06S RGE. 03E GALLATIN CO FOR MUNICIPAL SEC. 33 TWP. D6S RGE. D3E GALLATIN CO FOR MUNICIPAL SE SEC. 34 TWP. D6S 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

FORM NO 601 R11/86 **STATE OF MONTANA** DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION Permit to Appropriate Water PAGE 2 PERMIT_NUMBER: 107416-41H ** <u>COMPLETION DEADLINE</u>: THE DEADLINE TO COMPLETE THIS PERMIT AND FILE A NOTICE OF COMPLETION OF PERMITTED WATER DEVELOPMENT (FORM 617) IS <u>DECEMBER 31, 2015</u>. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, BY DECEMBER 31, 2015. OTHERWISE, THE PERMIT IS VOID. ** <u>PRIOR RIGHTS</u>: 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. ** <u>BACKFLOW PREVENTOR</u>: 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: 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 DEFARTMENT, 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. 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 S0 IT ALWAYS OPERATES PROPERLY AND MEASURES FLOW RATE ACCURATELY. BOZEMAN - PH: 406-586-3136 FAX: 406-587-9726 BOZEMAN - PH: 406-586-3136 FAX: 406-587-9726 ** <u>PROGRESS REPORI</u>: 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 ** <u>OWNERSHIP UPDATE</u>: 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. R WITNESS RESOURCES REGIONAL MANAGER WATE DATE: AUGUST 29, 2000 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION

June 14, 2007 Change Application #: 41H-30026963

Page 1 of 3 Change Authorization

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 % RON EDWARDS PO BOX 160670 BIG SKY, MT 59716 0670	MEADOW VILLAGE NOS. 1, 2, 3, 4, 5 HIDDEN VILLAGE NO. 1
Water Right Number(s) Changed:	Wr #ExtType41H-10741600PROVISIONAL PERMIT	(This change added MV-4 and MV-5)
Authorization Limits Flow Rate:	985,00 GPM	
Volume:	1,307.38 AC-FT	in i
Change Description:		5
	TWO ADDITIONAL WELLS TO THE FOUR PERMITTED WELLS. ALI Y THE PERMITTED PLACE OF USE. THE PERMITTED 985 GPM, U ANGED.	
CHANGE OF APPROP MEET THE DEADLINE	INE MPLETE THIS AUTHORIZATION AND FILE A PROJECT COMPLET RIATION WATER RIGHT (FORM 618) IS <u>DECEMBER 31, 2015</u> , IF , FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, BY THE AUTHORIZATION IS VOID.	YOU CANNOT

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

DATE ISSUED: JUNE 14, 2007

Water Resources Division

June 14, 2007 Change Application #: 41H-30026963 Page 2 of 3 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 Prioritv 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
% RON EDWARDS PO BOX 160670 BIG SKY, MT 59716 0670 Prioritv 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
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Maximum Flow Rate: 985.00 GPM Maximum Volume: 1,307.38 AC-FT Source Name: GROUNDWATER
Maximum Volume: 1,307.38 AC-FT Source Name: GROUNDWATER
Source Name: 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 JANUARY 1 TO DECEMBER 31 Diversion:
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 JANUARY 1 TO DECEMBER 31
Diversion:
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 JANUARY 1 TO DECEMBER 31 Diversion;
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 JANUARY 1 TO DECEMBER 31
Diversion:
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 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 JANUARY 1 TO JANUARY 1
Diversion:
Diversion Means: WELL
Well Depth: 57.00 FEET
Static Water Level: 16.30 FEET
Casing Diameter: 16.00 INCHES

June 14, 2007 Change Application #: 41H-30026963

Purpose (Use): Volume: Period of Use:	MUNICIPAL 1,307.38 AC-FT JANUARY 1 to D	ECEMBER 31				
Place of Use:						
ID	Acres Govt Lot	Qtr Sec	Sec	Twp	Rge	County
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	3Ę	GALLATIN
	1945 	al and			na n	
54 19					10	n en an

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.

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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 41H 107416-00 41H 30026963 41H 6167399 41H 12263499

(Change Authorization) (Provisional Permit) (Change Authorization) (Change Authorization) (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

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 00COMPLETION 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 12263	35-00 STATE	MENT	OF CL/	AIM					
	Version: 2	2 CHANGE A	UTHO	RIZATIO	NC					
		Version Status:	ACTIV	E						
	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:	% RON ED PO BOX 10	-		EWER I	DIST #3	363	MEADOW	VILLAGE	NO.	1
Priority Date:	APRIL 1, 1	971					MEADOW	VILLAGE	NO.	2
Enforceable Priori	ty Date: AP	RIL 1, 1971					MEADOW	VILLAGE	NO.	3
Purpose (use):	MUNICIPA	L					нторғи	VILLAGE	NO	1
Maximum Flow Rate:	220.00 GPI	N						VIDDAGE	10.	Ŧ
Maximum Volume:	177.89 AC	·FT								
Source Name:	GROUND	VATER								
Source Type:		NDWATER								
Point of Diversion and M <u>ID</u> 1	leans of Diver <u>Govt Lot</u>	sion: <u>Qtr Sec</u> SWSWNE	<u>Sec</u> 36	<u>Twp</u> 6S		<u>County</u> GALLATIN				
Period of Diversion Diversion Means:	n: JANUARY WELL	1 TO DECEM	BER 31							
2		SESENW	36	6S	3E	GALLATIN				
Period of Diversion Diversion Means:		1 TO DECEM	BER 31							
3		S2SENW	36	6S	3E	GALLATIN				
Period of Diversion Diversion Means:	n: JANUARY WELL	1 TO DECEM	BER 31							
4		SWSWNE	35	6S	3E	GALLATIN				
Period of Diversion Diversion Means:	n:JANUARY WELL	1 TO DECEM	BER 31							
Period of Use:	JANUARY	1 to DECEME	BER 31							
Place of Use:										
ID Acres 1 2 3 4 5 6 7 8 9 10	<u>Govt Lot</u>	<u>Qtr Sec</u> S2 SE N2 N2SW	Sec 25 26 27 33 34 35 36 31 31 31	Twp 6S 6S	Rge 3E 3E	County GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN 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.

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		(
Form No. 76-0 R2/80		TEN 8
1. 100005	41H FOR EXISTING WATER RIGHTS MAR 1 5 1	
122635		982 §
GA-U 10-105-01-01	OTHER USES MONTANA D. For the Water Courts of the State of Montana BOZEMAN FIEL	N.R.C.
40 1. Owner of Water Rigi	tht BIGSKY OF MONTANA INC / Middl	le Initial
Co-Owner or Other Interest Owner	1	le Initial
Address P.O. B.	2071	8
City BIG SKY	State MONTANA Zip Code 37	216 8
Home Phone No.	995-4211 Business Phone No.	§
2. Person completing	form TOUT / RAYMOND / J Last First Middl	
	30× 806	Š
	YState MONTANA Zip Code 59	716 8
	995- 4304 Business Phone No. 995- 4211	
FW Fish & Wildlin		
4. Source of Water:	(Check Only One)	8
Spring	Name	8
🗙 Well	Name Spotted EIK	ş
Stream	Name Tributary of	S
Lake	Name Stream	6
	Tributary of	0
Reservoir	Name Stream	
	Tributary of	S
5. Point of Diversion:	County GALLATIN	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	SIN 1/4 SW 1/4 NE 1/4, Section 36, T 6 1/S, R 3	_E/ 🖤 🖇
181	Lot, Block, Subdivision Meadow Village	8
6) Means of Diversion:	: 🗙 Well	ŝ
	Pump Capacity 200 gpm	8
pM	 Headgate with ditch or pipeline Instream use Other Explain 	
7. Means of Conveyand	ice: Ditch Instream Pipeline Other:	

	Instream	City or T	own	Oth Oth	ner: E	xplain				,	
	Lot,									3	· E/
	Lot,										
;	Lot,	Block,	1/4	5 1k	NF 1/4.	Section 3	15 . T	6	= . ∎/S. R	3	E/
	Lot,										Ē
	Lot,			1 <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>	1	G	10.42	- 09 - 10 W	=2 i	0.00	— E/\
	Subdivision M										_
				28 Statistics		,					
9.	Flow rate claimed:_	22	0			eet per sec per minute inches					
0.	Volume claimed:	35	5	acre-	feet per v	vear					
1.	Period(s) of use:	JAN Month	Day	to <u><u><u></u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u>	ith State	Day					
2.	Check one:	Decreed	d Water F	Right		Priority	date or c	late of	first u	Ise	
2200				ion Right		Hour					
			ter Right	2.57	Ø	Hour	Month	Day		Year	-
-1	Attach copies of the Attach copies of ae	rial photograp	hs, U.S. (Geological	Survey n	naps or suc			ients n	ecessa	iry t
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OF CLAIM FOR EXISTING WATER RIGHTS
(01/1971 TYPE OF RIGHT: USE CLAIM RECEIVED: 03/15/82 FEE PAID: \$4
BIG SKY OF MONTANA
BIG SKY MT 59716
LOT BLK OTR-SEC.SEC. TWP. RGE CO
SOURCES: WL 01 WELL SWSWNE 36 06S 03E GA YIELD RATE 200 G
USE: CM 01 0.00 ACRES PERIOD OF USE 1999999997
ACRES VER. ACRES WRS 1919 LOT BLK. QTR SEC SEC TWP. RGE. CO REMARKS
PARCELS: 001 0.00 36 06S 03E GA
002 0.00 SE 35 06S 03E GA
003 0.00 003 0.00 S2SZNE 35 06S 03E GA
TDTAL 0.00
ADDENDUMS: YES VO (DVRS RSRV. POU RMRK DWNR) COMMENTS
IF REF. RIGHT. MAX COMBINED VOLUME FOR A
- AND CLAIM ID DF REF. RIGHT
N STATISTICS:
BASIN UK: TES NU CUMMENIS
c: Ses NO COMMENTS
S NO
PROOF OF USE: CLAIMED FLOW RATE DK: YES LAD NONE GIVEN COMMENTS FILME IS 200 6PM
CLAIMED PRTY DATE OK: YES LND COMMENTS FULLY OCHOL 1971
1 1 -

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05/31/94

1.00

PAGE 1

ACKNOWLEDGEMENT OF WATER RIGHT TRANSFER FROM DEPARTMENT OF NATURAL RESOURCES AND CONSERVATON STATE OF MONTANA

WATER RIGHT NUMBER 41H -W-122635-00

PLEASE NOTE THAT THIS WATER RIGHT IS IN A TEMPORARY PRELIMINARY OR PRELIMINARY DECREE ISSUED BY THE MONTANA WATER COURTS. THE NEW OWNER MAY WISH TO DETERMINE THE STATUS OF THIS RIGHT IN THE ONGOING ADJUDICATION BY THE MONTANA WATER COURTS.

OWNERS:	LONE MOUNTAIN SPRING Po box 160066 BIG SKY	WATER UTILITY MT 59716	
PRIORITY DATE:	APR 1, 1971		FILMED
FLOW RATE:	220.00 GALLONS PE	R MINUTE (G)	
VOLUME:	177.89 ACRE FEET	PER YEAR (AF)	JUN 141994
SOURCE :	WELL		
PURPOSE :			
USE	FLOW	VOLUME (AF) ACRES	PERIOD OF USE
COMMERCIAL	220.00 G	177.89	JAN 1 TO DEC 31

POINTS OF DIVERSION AND MEANS OF DIVERSION:

WELL: LOT BLK	QTR SEC	SEC 1	WP RGE	COUNTY				
	SWSWNE	36 0	16S 03E	GALLAT	IN			
PLACE OF USE FOR ACRES		: BLK	QTR SE	C SEC	TWP	RGE	COUNTY	
001 002 003			SE S2S2NE	36 35 35	06S 06S 06S	03E 03E 03E	GALLATIN GALLATIN GALLATIN	
UPON A Claim, Depart	NSFER OF OW CHANGE IN THE PARTI MENT OF NAT	OWNERS ES TO URAL R	HIP OF A THE TRAN	SFER SH AND CO	ALL F	ILE W	A WATER	

RIGHT TRANSFER CERTIFICATE, FORM 608, PURSUANT TO SECTION 85-2-424, MCA.

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

FORM NO. 620 R10/97

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.

<u>OWNER</u> :	BIG SKY COUNTY WATER & SEWER DISTRICT NO. 363 C/O RON EDWARDS PO BOX 160670 BIG SKY, MT 59716	MEADOW VILL ADDS DIVERS MEADOW VILL
WATER RIGHT:	STATEMENT OF CLAIM	MEADOW VILL
NUMBER:	41H-W122635-00	HIDDEN VILL

PRIORITY DATE: APRIL 1, 1971

SOURCE: GROUNDWATER

USE:

THE DEPARTMENT AUTHORIZES THE FOLLOWING CHANGES:

COMMERCIAL

MUNICIPAL USE **NEW PURPOSE:**

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

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

****COMPLETION DEADLINE:**

THE DEADLINE TO COMPLET THIS AUTHORIZATION AND FILE A NOTICE OF COMPLETION OF CHANGE OF APPROPRIATION WATER RIGHT (FORM 618) IS DECEMBER 31, 2015. IF EYOU 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 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

LAGE NO. 1 SIONS: LAGE NO. 2 LAGE NO. 3 LAGE NO. 1

FORM NO. 620 R10/97

 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

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.

Jan R Mark	So off and so
WITNESS	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 41H 107416-00 41H 30026963 41H 6167399 41H 12263499

(Change Authorization) (Provisional Permit) (Change Authorization) (Change Authorization) (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

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 00COMPLETION 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.

A version with	a more rece	ent operati	ng au	itnority	/ date	exists. Cor	ITACT DNRU	for details	5 -	
Water Right Number:		I-00 STATE CHANGE A								
	V	ersion Status:	ACTIV	Έ						
Owners:	RECOGNIZE CHANGE, A USE IS RED CHAPTER 2 AMOUNT.	ED BY THE D ND WILL THE UCED UNDE , PART 2, MC	EPAR EREAF R ADJ CA, THI	TMENT TER NC UDICAT IS AUTH	IN THI DT EXC TON P IORIZA	MOUNT OF TH S PROCEEDING EED THAT AM ROCEEDINGS ATION WILL BE	G AS SUBJE OUNT. IF TH PURSUANT	CT TO E HISTORIC TO TITLE 85,		
Owners.	8 RON EDV 90 BOX 160		=R & S	EWERL	DIST #3	363	HIDDEN	VILLAGE	NO.	1
		T 59716-0670	C				MEADOW	VILLAGE	NO.	1
Priority Date:	APRIL 1, 19						MEADOW	VILLAGE	NO.	2
Enforceable Prior Purpose (use):	•							VILLAGE		
Maximum Flow Rate:	MUNICIPAL 85.00 GPM						MEADOW	VIUUAGE	110.	J
Maximum Volume:	68.73 AC-FT	-								
Source Name:	GROUNDW	ATER								
Source Type:	GROUN	IDWATER								
Point of Diversion and M ID 1	Aeans of Divers <u>Govt Lot</u>	ion: <u>Qtr Sec</u> SWSWNE	<u>Sec</u> 35	Twp 6S		<u>County</u> GALLATIN				
Period of Diversion Diversion Means:		TO DECEMI	BER 31							
2		SWSWNE	36	6S	3E	GALLATIN				
Period of Diversion Diversion Means:		TO DECEMI	BER 31							
3		SESENW	36	6S	3E	GALLATIN				
Period of Diversio Diversion Means:		TO DECEM	BER 31							
4		S2SENW	36	6S	3E	GALLATIN				
Period of Diversio Diversion Means:		TO DECEM	BER 31							
Period of Use:	JANUARY '	to DECEMB	BER 31							
Place of Use:										
ID Acres 1 2 3 4 5 6 7 8 9 10 10	<u>Govt Lot</u>	<u>Qtr Sec</u> S2 SE N2 N2SW	Sec 25 26 27 33 34 35 36 31 31 31	Twp 6S 7S	3E 3E 3E 3E 3E 3E 3E 4E 4E 3E	County GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN 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.

concernence concernence	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Form No 76-O R2/80		RECEIVED
122634 414	STATEMENT OF CLAIM FOR EXISTING WATER RIGHTS	
		MAR 1 5 1982
GA-U For the	OTHER USES	MONTANA D.N.R.C.
	e Water Courts of the State of Mon	CATIONUZEMAN FIELD UFFICE
40 1 Owner of Water Bight /1	16 SEY OF MONIT THE	1
	TIG SITY OF MONIT INC	Middle Initial
Co-Owner or Other	//	/
Address P.O. Box	Last ' First	Middle Initial
City Big Stry	State Mont	Zip Code 59716
Home Phone No. 995-	Y211 Business Phone No.	
2. Person completing form	Tout Raymo	nd I J
Address P.A 13 ~~	Last First	Middle Initial
City Big Sty A	806 10n T_State_ <u>Montand</u> 430 YBusiness Phone No9	Zip Code 59716
Home Phone No. 995-	<u>4304</u> Business Phone No. 9	95-4211
	GE Geothermal MN Minin NV Navigation PG Power FP Fire Protection RC Recr AS Agricultural Spraying OT Other	er Generation reation
4. Source of Water: (Check (Only One)	
Spring Name_		
	Jobil Home & Hidden Villoge,	
·		
)		
	v of Stream	
)	/ of	
5. Point of Diversion: County	Gallatin	
`	1/4 5W 1/4 NE 1/4, Section 35, T (≝ /S, R3E/₩
Lot	, Block, Subdivision	
Thomas of Diversion:	Mall	
	Pump Capacity <u>85</u> gr Headgate with ditch or pipeline Instream use	om
δμ, <u></u>	Headgate with ditch or pipeline Instream use	
}·`□	Other Explain	
7. Means of Conveyance: X	Pipeline	

2

L Instream	City or T	own	🗌 Ot	her: E	xplain _			٢.			• •
· ··· Lot	Block,					6					E/10
	Block,					576					1-12
	Block,	1/4	1/4	1/4	Section		т	N/S	 В		E/W
Lot	Block,	^/^4 1/4		/4,	Section		' т	1 5		21	_,' E/W
	Block,										120101
Subdivision				74,	Section_				<u> </u>		
							-				2.5
9. Flow rate claimed:	83	5	\square	cubic fe gallons miner's	per min	econd ute \					
10. Volume claimed:	127		àcre	feet ner v	vear			5 • 52		œ	
		236	 	1942-945 800409 4							
11. Period(s) of use:	_Jan 1	Day	to <u>DE</u>		31 Dav						
12. Check one:		Mator P	ight		Priori	ty date	or dat	of fire	1 1100	0	
12. Check one.	-4				DOAM	n.,					
	<u></u>	opropriatio	on Right	0.0	Hour	Month		Day		ear	6
		ter Right									
				(N) (a) (5.15)	Diaht						
13. Attach copies of th	ne Decree, Reco	ord of Fili	ing or Pro	oof of Use	: nigitt.						
DNPC			5			81 <u>2</u> 0 51	n e 2				5
13. Attach copies of the Attach copies of a	erial photograp	hs, U.S. G	Geologica	I Survey n	naps or a			ument	s nec	cesșa	ry to
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Attach copies of a show point of diver 15. Notarized Stateme STATE OF MONTA County of <u>Gal</u> I, <u>Paufmon</u> being of legal age is signed to it as the true and correct.	erial photograph rsion, place of nt signed by cl NA Id I n and being the c he claimant, know	hs, U.S. G use, place aimant. laimant o bw the cor) e of stora) :ss.) f this clai ntents of	I Survey n age, and c , having m of exist this claim	been of the and the	luly sw er right, matter	orn, de and th s and t	epose a e perso hings s	nd s n wh tated	ay th ose r I there	nat I, name e are
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Attach copies of a show point of diver 15. Notarized Stateme STATE OF MONTA County of <u>Gal</u> I, <u>Paufmon</u> being of legal age is signed to it as the true and correct.	erial photograph rsion, place of nt signed by cl NA Id I n and being the c he claimant, know	hs, U.S. G use, place aimant. laimant o bw the cor) e of stora) :ss.) f this clai ntents of	, having m of exist this claim	been of the and the	luly sw er right, matter	orn, de and th s and t	epose a e perso hings s	nd s n wh tated	ay th ose r I there	nat I, name e are
Attach copies of a show point of diver 15. Notarized Stateme STATE OF MONTA County of <u>Gal</u> I, <u>Paufmon</u> being of legal age is signed to it as the true and correct?	erial photograph rsion, place of nt signed by cl NA Id I n and being the c he claimant, know	hs, U.S. G use, place aimant. laimant o bw the cor	f this claintents of	, having m of exist this claim	been of the day of	luly sw er right, matter	orn, de and th s and t	epose a e perso hings s	nd s n wh tated	ay th ose r I there	nat I, name e are
Attach copies of a show point of dive 15. Notarized Stateme STATE OF MONTA County of <u>Gal</u> I, <u>Paymon</u> being of legal age is signed to it as the true and correct	erial photograph rsion, place of nt signed by cl NA Id I n and being the c he claimant, know	hs, U.S. G use, place aimant. laimant o bw the cor	Geologica e of stora) :ss.) f this clai ntents of / / Notato Residi	, having m of exist this claim	day of	Iuly sw er right, matter	orn, de and th s and t	epose a e perso hings s	nd s n wh tated	ay th ose r I there	nat I, name e are

03/15/82 FEE PAID: \$40 MAX ACRES: 0.00		REMARKS		R ALL RIGHTS _•• AF MAX COMBINED ACRES FOR ALL RIGHTS _•• AND CLAIM ID OF REF. RIGHT ELD_VERIFICATION FORM ************************************	CLAIMED VOLUME		
-AIM RECEIVED: 137.00 AF/YEAR	RGE CO	S 03E GA YIELD RATE P -RGE CO	4	AF MAX.COMBINED ACRES FOR DF REF. RIGHT ************************************	138.267 AF/YR - OVER CLA COMMENTS	GRID ON FLNG) COMMENTS	MONTH) COMMENTS
ESOURCES AND CON EXISTING WATER FYPE OF RIGHT: F MI) MAX VOLUME	SEC	SWSWNE 35 06S BLK OTR SEC SEC TWP	8	ALL RIGHTSA AND CLAIM ID	AND PERIDD OF USE 138	M: _CLMNTS MAP COMMENTS (1106 DATE	APPLIED LAST DAY OF MON
0F 0	MT 59716 L01	PERIOD OF USE 19999999997 CRES WRS 1919LOT	POU RMRK _OWNR) CO		ED ON FLOW RATE	THE CT _UNVERIFIED (FROM: _YES _UND _NONE GIVEN ES _NO COMMENTSS	LAST MONTH OF YR
DEPARTMENT ABSTRACT A	(M) - C BIG SKY OF MONTANA BOX -1 BIG SKY	WELL 0.00 ACRES PERIOD OF U ACRES VER. ACRES WRS 19 0.00	0.000 O.	IF_REF. RIGHI, MAX C IF SUPPLEMENTAL RIGH		VES NO LAPPEARS CORRECT CLAIMED FLOW RATE DK: VES CLAIMED PRIV DATE DK: VES CLAIMED PRIV DATE OK: VES	1.1
		USE: CM 01		SUPPLEMENTAL R1GHTS: ******************	COMPARISON STATISTICS: BASIN DK: YES SOURCE NAME DK: YES IYPE CD (S/G) DK: YES	POD OK: WL 01 _YE PROOF OF USE: CLA CLA ELOW RATE OK:	VOLUME OK: PRIORITY DATE OK: PERIOD OF USE OK:

ar ⁿ a s

SELECTED OTHER USE CLAIMS BASIN 41H ABSTRACT OF WATER RIGHT

WATER RIGHT NUMBER 41H -W-122634-00

QWNERS: BIG SKY OF MONTANA INC PO BOX 1 BIG SKY MT 59716 PRIORITY_DATE: APR 1, 1971 ELOW_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

٠,

PLACE OF USE FOR COMMERCIAL

OOI SW 35 06S 03E GALLATIN REMARKS: SEE GENERAL FINDINGS OF FACT AND CONCLUSIONS OF LAW FOR FURTHER DELINEATION OF THIS RIGHT.

PAGE 129

FORM NO. 620 R10/97

RATE AND VOLUME.

PROGRESS REPORT REQUIRED:

 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.

. ,		1			
<u>OWNER</u> :	BIG SKY COUNTY WATER & SEWER DISTRICT #363 % RON EDWARDS PO BOX 160670 BIG SKY, MT 59716	ADDS D: MEADOW	VILLAGE IVERSION VILLAGE	S: NO.	1
WATER RIGHT:	STATEMENT OF CLAIM		VILLAGE VILLAGE		
NUMBER:	41H W122634-00	MILADOW	VIDADD	NO.	5
PRIORITY DATE:	APRIL 1, 1971				
SOURCE:	GROUNDWATER				
<u>USE</u> :	COMMERCIAL				
THE DEPARTMENT AU	THORIZES 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, SESENW SEC 36, S2 SENW SEC 36 T06S R03E, GALLATIN COUNTY				
THE APPROPRIATOR S METER AT A POINT IN MUST NOT BE DIVERTI OPERATING. ON A FO SHALL KEEP A WRITTE	ENT RECORDS REQUIRED: SHALL INSTALL A DEPARTMENT APPROVED IN-LINE FLOW THE DELIVERY LINE APPROVED BY THE DEPARTMENT. WATER ED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND RM PROVIDED BY THE DEPARTMENT, THE APPROPRIATOR EN MONTHLY RECORD OF THE FLOW RATE AND VOLUME OF ALL CLUDING THE PERIOD OF TIME. RECORDS SHALL BE				

**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.

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

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. FORM NO. 620 R10/97

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.

**CON	DIT	IONA	PRO	VAL

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

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 41H 107416-00 41H 30026963 41H 6167399 41H 12263499

(Change Authorization) (Provisional Permit) (Change Authorization) (Change Authorization) (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

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 6167 Version:			-			
Owners:	BIG SKY % RON E PO BOX 1 BIG SKY,	COUN DWAR 160670	DS	ER & S	_	IST #3	363
Priority Date:	OCTOBEI	R 21, 1	986 at 01	l:41 P.I	M.		
Enforceable Priorit	y Date: O	стов	ER 21, 19	986 at (01:41 P.M	И.	
Purpose (use): Maximum Flow Rate: Maximum Volume:	MUNICIP/ 116.00 GF 90.00 AC-	PM					
Source Name:	GROUND	WATE	R				
Source Type:	GRO	UNDW	ATER				
Point of Diversion and M ID 1 Period of Diversion Diversion Means: Purpose (Use): Volume: Period of Use:	Govt Lot	SW 7 1 TO AL -FT			<u>Twp</u> 6S	Rge 3E	<u>County</u> GALLATIN
Place of Use: ID Acres 1 2 3 4 5 6 7 8 9 10 11 1	<u>Govt Lot</u>		<u>Qtr Sec</u> S2 SE N2 N2SW NE	Sec 25 26 27 33 34 35 36 31 31 1 2	Twp 6S 7S	Rge 3E 3E 3E 3E 3E 3E 4E 4E 3E 3E	County GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN GALLATIN 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 MANIFOLDINTO 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	
BIG SKY MT 59716	HIDDEN VILLAGE NO. 2
UPDN FINDING THAT THE REQUIREMENTS OF SECTION 85-2-311 MCA N HAVE BEEN MET.	
PERMIT_NUMBER: 61673-G41H	
PRIORITY DATE: OCTOBER 21, 1986 AT 1:41 P.M.	
SOURCE: GROUNDWATER WELL	
IQIAL_ELOW_RATE: 116.00 GPM	
TOTAL VOLUME: 90.00 ACRE FEET PER YEAR	
DIVERSION POINT: SWNWSW SEC. 35 TWP. 065 RGE. 03E GALLATIN CD	
USE: 116.00 GPM UP TO 90.00 AC-FT (JAN 01 - DEC 31) FOR COMMERCIAL	
<u>PLACE_DF_USE</u> : SW SEC. 35 TWP. 06S RGE. 03E GALLATIN CD FOR COMMERCIAL	
DIVERSION_MEANS: PUMP	
** <u>REQUIREMENTS_EDR_PERMIT_HOLDER</u> : THE DEADLINE FOR COMPLETION OF THIS PERMIT, AND FILING OF THE NOTICE OF COMPLETION OF PERMITTED WATER DEVELOPMENT (FORM 617) SHALL BE <u>NOVEMBER 30, 1991</u> , VERIFYING THAT THE APPROPRIATION OF WATER HAS BEEN COMPLETED AS PERMITTED.	
** <u>PRIOR RIGHTS</u> : 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.	
** <u>CONTAMINATION, FLOWING WELLS</u> : 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.	
** <u>MEASURING DEVICE</u> : THIS PERMIT IS SUBJECT TO THE CONDITION THAT THE PERMITTEE SHALL INSTALL AN ADEQUATE FLOW METERING DEVICE IN DRDER 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.	
** <u>PROGRESS_REPORT</u> : 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,	
** <u>FURTHER_INFORMATION</u> : 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 GRANIED BY THIS PERMIT.	
** <u>IRANSFER OF OWNERSHIP</u> : 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	9

FORM NO. 620 R10/97

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

<u>NEW PLACE OF USE:</u> 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 FORM NO. 620 R10/97

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

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

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 41H 107416-00 41H 30026963 41H 6167399 41H 12263499

(Change Authorization) (Provisional Permit) (Change Authorization) (Change Authorization) (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

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.

2

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 115506-0 Version: 1 (1IT					
Owners:		ion Status: NTY WATE RDS 70	ACTIV ER & SI	E	DIST #3	363	LONE I	MOOSE	NOS.	1.
Priority Date:	APRIL 4, 2001	at 04:20 P	.M.							
Enforceable Priori	ty Date: APRIL	4, 2001 at	04:20 I	P.M.						
Purpose (use):	MULTIPLE DO	MESTIC								
Maximum Flow Rate:	190.00 GPM									
Maximum Volume:	201.70 AC-FT									
Source Name:	GROUNDWAT	ER								
Source Type:	GROUND	WATER								
Point of Diversion and M				_	_	_				
<u>ID</u> 1	Govt Lot	<u>Qtr Sec</u> NESW	<u>Sec</u> 28	<u>Twp</u> 6S		<u>County</u> GALLATIN				
Period of Diversion Diversion Means: Well Depth: Static Water Level Casing Diameter: Pump Size: 2	WELL 100.00 FEET I: 12.00 FEET	O DECEME NESW	3ER 31 28	65	3E	GALLATIN				
Period of Diversion Diversion Means: Well Depth: Static Water Level Casing Diameter: Pump Size:	WELL 100.00 FEET I: 29.00 FEET	D DECEME	3ER 31							
Reservoir:		<u>Qtr Sec</u> IESENW	<u>Sec</u> 28	<u>Twp</u> 6S	<u>Rge</u> 3E	<u>County</u> GALLATIN				
Current Capacity:	1.38 ACRE-FE	EI								
Purpose (Use): Households: Volume:	MULTIPLE DO 201.70 AC-FT	MESTIC								
Period of Use:	JANUARY 1 to	DECEMB	ER 31							
Place of Use:										
IDAcres1	<u>Govt Lot</u>	<u>Qtr Sec</u> NESW	<u>Sec</u> 28	Twp 6S	<u>Rge</u> 3E	<u>County</u> 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 Version: 1 Status: AC	ORIGINAL		ERMIT			LONE	MOOSE	NOS.	1,	2
Owners:	LONE MOOS 1000 LONE I BIG SKY, MT	MOOSE DR	VS LLC	100 1000 10000 100 1 1 1 1 1 1 1 1 1 1	ta sananan Kanadaran Kanadaran	No ATTON CONT.					
Priority Date:	APRIL 4, 200)1 at 04:20 P	°.M.	404960							
Purpose (use):	MULTIPLE D	OMESTIC		ha shekara shekara shekara shekara Mariya 2000 ya shekara shekara shekara Amala Sana 2012 ya 100 kwa 100 kwa 100 kwa							
Maximum Flow Rate:	190.00 GPM	Standig Annald Canadian (Canadian) Annald Annald Canadian (Canadian)	un de la destruite destruite Sector de La destruite de la de	an ang ang ang ang ang ang ang ang ang a	and sharinga Mangalana Mangalana						
Maximum Vølume:	201.70 AC-F	T.	· · · · · · · · · · · · · · · · · · ·		na gaga sa sa sa sa						
e de la companya de l		n waa ala sa sa sa sa sa sa sa sa		in a successive provide and a successive N Line successive in MR and a successive provide and successive	Section 1980						
Source:			May 1009-11-1-1-1-1-1	с							
Source Name: Point of Diversion and Me	GROUNDWA		- 1987 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 197		and a constant						
ID	Govt Lot	Qtr Sec	Pag	True and	Dee	County					
	GOVELOE	NESW	<u>Sec</u> 28	<u>1 wp</u>	3E	<u>County</u>	sk.	\$.			
Diversion Means:	WELL	NEOW	20	03		OALLATIN	2 9				
	100.00 FEET			a second a second second second	68 - 2000 - Contra -	and the second		5.			
Static Water Level:					ine and			2			
	8.00 INCHES	Ś.	in a kon s	1955 c. 1965 c. 1976 c. 1977 c	14		14:11	- X - A			
	20.00 HP										
2		NÈSW	28	6S	3E	GALLATIN		- 1 . % -			
Diversion Means:	WELL	INLOW	20	00	J۲	OALLATIN		A 4			
승규는 것이 같은 것이 집에 집에 많이	100.00 FEET					성수, 영화, 이별, 이야기		2			
Static Water Level:			000	and the second		and many		18			
Casing Diameter:				Net			dan da barra en la compañía de la co				
	20.00 HP					비행에 가지 않는 것이다.		2			
Pump Size: Period of Diversion:	3. Satisfies 11:54 (1177) (1997).						1997) - 1994 Status - 1997	· #			
renou or Diversion.	JANUARY 1.1		⊑⊼ ৩।		C.F. Strat						
Reservoir:	OFF STREAM	N	andrea Ing		, 100						
	Govt Lot	Qtr Sec	Sec	Twp	Rge	County		1			
		NESENW	28	6S	3E	GALLATIN		1 8 - A			
	Contraction and the second sec				and the second s	Same of the second second	- 19 -	I.I			
Current Capacity:	1 20 ACDE 0	ECT			20 3		en e				
Current Capacity.	1.38 ACRE-F	TEEI		a the second	Allene a		×.				
Purpose (Use):	MULTIPLE D	OMESTIC					уч 19-				
Households:						di serie di serie di secondo di s	ing ing a start of the start of				
Volume:	201.70 AC-F	T			Sanding Street	and the second	an a				
Period of Use:	JANUARY 1	and the second	FR 31	- 19 (19 (19 (19 (19 (19 (19 (19 (19 (19	The second second	A Sector	150 20				
Place of Use:					391. Nya 84		<i>#</i>				
1. A.	CoutLat	Oto Soo	- Foo	(Proven	Dro	Country	£.				
ID Acres	Govt Lot	<u>Qtr Sec</u> NESW	28	Twp	Rge	County					
l May have		INEOVV	20	69	9E	GALLATIN					
1999						Sec. 1997 Martin C.					
COMPLETION DEADLIN	NE		2014								

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.

x

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.

Watchess Signature DATE ISSUED: April 11, 2002	ater 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-8 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	3
Water Right Number:	41H 100681-00 PROVISIONAL PERMIT Version: 1 ORIGINAL RIGHT	
Owners:	Version Status: ACTIVE 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 Priori	ity 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 M		
<u>ID</u> 1	Govt Lot Qtr Sec Sec Twp Rge County SWSWSE 34 6S 3E GALLATIN	
Period of Diversion Diversion Means: Well Depth: Static Water Level Casing Diameter: Pump Size:		
2	SWSWSE 34 6S 3E GALLATIN	
	n: MAY 1 TO OCTOBER 15	
Diversion Means:		
Well Depth:	340.00 FEET	
Static Water Level Casing Diameter:		
Pump Size:	3.00 HP	
Purpose (Use):	LAWN AND GARDEN	
Irrigation Type:	SPRINKLER 3.06 AC-FT	
Volume: Period of Use:	MAY 1 to OCTOBER 15	
I thou of Use.	MAT TIO OCTOBER 13	
Place of Use:	Cart Lat Oth San San Turn Dan Country	
$\frac{\mathbf{ID}}{1} \qquad \frac{\mathbf{Acres}}{3.06}$	Govt Lot Qtr Sec Sec Twp Rge County 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>Twp</u> <u>Rge</u> <u>County</u>	
1	SE 34 6S 3E GALLATIN	
Purpose (Use): Volume:	OTHER PURPOSE 0.55 AC-FT	

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

I face of c							
ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1			SE	34	6S	3E	GALLATIN

Remarks:

WATER MEASUREMENT-INLINE FLOW METER REQUIRED

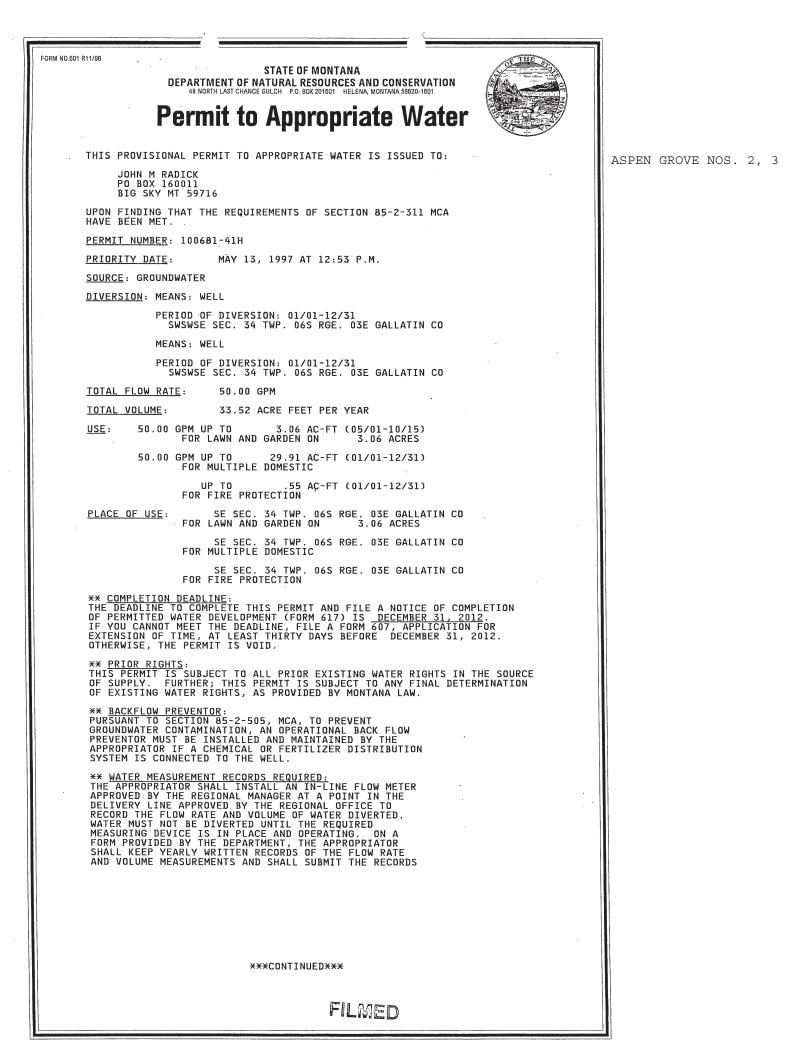
THE APPROPRIATOR SHALL INSTALL AN IN-LINE FLOW METER APPROVED BY THE REGIONAL MANAGER AT A POINT IN THE DELIVERY LINE APPROVED BY THE REGIONAL OFFICE TO RECORD THE FLOW RATE AND VOLUME OF WATER DIVERTED. WATER MUST NOT BE DIVERTED UNTIL THE REQUIRED MEASURING DEVICE IS IN PLACE AND OPERATING. ON A FORM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



FORM NO.601 R11/96

STATE OF MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION 48 NORTH LAST CHANCE GULCH P.O. BOX 201601 HELENA, MONTANA S9820-1601

Permit to Appropriate Water

100681-41H PERMIT NUMBER:

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 DELOW

BELOW. 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

** <u>PROGRESS REPORT</u>: 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

** <u>TRANSFER OF OWNERSHIP</u>: 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

WATER RESOURCES REGIONAL MANAGER

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

FILMED

Form No. 616 R12/2008

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

- 8 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 00COMPLETION 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 P	iority Date: JANUARY 30, 1974
Type of Historical Ri	ght: 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 an	d Means of Diversion:
<u>ID</u> 1	Govt LotQtr SecSecTwpRgeCountySWSESE196S3EMADISON
Period of Dive Diversion Mea Subdivision:	rsion: JANUARY 1 TO DECEMBER 31 ns: WELL CASCADE SUBD (BIG SKY) BLOCK: 001
Period of Use:	JANUARY 1 to DECEMBER 31
Place of Use:	
$\frac{\text{ID}}{1}$ Ac	res Govt Lot Qtr Sec Sec Twp Rge County
•	ivision: CASCADE SUBD (BIG SKY) BLOCK: 001
2	NW 29 6S 3E MADISON
	ivision: CASCADE SUBD (BIG SKY) BLOCK: 006
3 Subd	NE 30 6S 3E MADISON ivision: CASCADE SUBD (BIG SKY) BLOCK: 006
4	NE 30 6S 3E MADISON
Subd	ivision: 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.

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Form No. 76-0 R2/80	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
122636	STATEMENT OF CLAIM	N	37
	41H FOR EXISTING WATER RIC	GHTS MAR 1 5 19	982
unn li	OTHER USE	LS MUNTANA D.	N.R.C.
971A-UL 10-105-01-01	For the Water Courts of the State	of Montana FIELD	OFFICE
40 1. Owner of Water Rig	ht BIG SKY OF MONTANA	INC	
Co-Owner or Other	Last	First	Middle Initial
Interest Owner	/	1	
Address PO	Lasi	First	Middle Initial
	State MONTANA	Zip Code	59716
	Business Phon		
10000 C C	form TOUT I IRA	First	J Middle Initial
	BOX BOG		
 Antipatrici antercepatricipatricipatricipatricipatricipatricipatricipatri	State MONTANA		
Home Phone No. 🥊	Business Phone	e No. 995-4211	
3. Use:	(Check Only One)		
FR 🗌 Fish Racewa	· · · · · · · · · · · · · · · · · · ·	AN D Mining	
FW Fish & Wildli	5	G Power Generation	
смX Commercial IN 🗌 Industrial	A PART AND CONTRACT OF CONTRAC	RC Recreation	
MC Municipal	AS Agricultural Spraying C	or □ Other Explain	
Mo; , Municipal		Explain	
4. Source of Water:	(Check Only One)		
Spring	Name		
🗙 Well	Name HILL	5 	
Stream	Name Tr	ibutary of	
Lake		ream	
	Tributary of	96.95 	
Reservoir	Name St	ream	
	Tributary of		
5. Point of Diversion:	County Madison		
ured to make a state of the sta	SW 1/4 SE 1/4 SE 1/4, Section 19	, T 💪 🛒/S. R	7 E/1
~	Lot, Block, Subdivisi		
CONKL	44 TM		-) () () () () () () () () () ()
6. Means of Diversion:		anm	
ົ		<u> </u>	
F	□ Instream use		
	Other Explain	1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	
7 Means of Conveyor			
. means of conveyan			
6. Means of Diversion: PI 7. Means of Conveyan	Well Pump Capacity Headgate with ditch or pipeline Instream use Other Explain)gpm	

1

8. Place of Use: C	County MA	0150	N								
Instream	. City or T	own	Xo	ther:	Explain _	RES	OR	Γ.	41-11)	?.
Lot,	Block,	1/4	1/4	SE	4, Section	19_	Т	6	I/S, R_	3	'EA
Lotf. <u>(* 1</u>	10 () · · · · · · · · · · · · · · · · · ·	1/4	1/4	NW	4, Section_	29	т	6 1	/S, R_	3	E/
Lot,i	Block,	1/4	1/4	NE	4, Section	30	т	6	1 /S, R_	3	E/)
Lot,	Block,	1/4	1/4	NE	4, Section	30	т	6 1	R/S, R_	3	_E/
Lot,	Block,	1/4	1/4_	1	4, Section		т		N/S, R_		E/\
Subdivision	CASCAD	E	-		_						
9. Flow rate claimed:		240	0	gallon	feet per s s per min 's inches						
0. Volume claimed:	3	87	acre	e-feet pe	r year						
1. Period(s) of use:	Month	It Day		EC /	3/ Day						
2. Check one:	Decreed	d Water Ri	ght		Prior	ity date	or da	te of	first us	se	
	Filed A		22	t ·	8:00AM				11		2
	-	ter Right	3		Hour	Month		Day		Year	•
						×					
3. Attach copies of the	ne Decree, Rec	ord of Fill	ng or Pr	001 01 U	se Right.						
 Attach copies of a show point of dive 								ocume	ents ne	cess	ary t
	rsion, place of	use, place						ocume	ents ne	ecess	ary t
show point of dive	rsion, place of	use, place						ocume	ents ne	cess	ary t
show point of dive	rsion, place of	use, place						ocume	ents ne	ecess	ary t
show point of dive	rsion, place of	use, place	e of stor)					ocume	ents ne	ecess	ary t
show point of dive 5. Notarized Stateme STATE OF MONTA	rsion, place of	use, place	e of stor)	rage, and		nce facil	ities.				
show point of dive 5. Notarized Stateme STATE OF MONTA	A J Sea 7 And being the c	use, place laimant.) :ss.) this cla	rage, and , havi	ng been o	duly sw	orn, d	lepos he pe	e and rson w	say t hose	hat
show point of dive 5. Notarized Stateme STATE OF MONTA County of I, <u>Hauf mon</u> being of legal age is signed to it as th true and correct.	A J Sea 7 And being the c	use, place laimant.) :ss.) this cla	rage, and , havi	ng been o	duly sw	orn, d	lepos he pe	e and rson w	say t hose	hat
show point of dive 5. Notarized Stateme STATE OF MONTA County of I, <u>Hauf mon</u> being of legal age is signed to it as th true and correct.	A J Sea 7 And being the c	use, place laimant.) :ss. this cla itents of	rage, and , havi	ng been o	duly sw	orn, d	lepos he pe	e and rson w s state	say t hose d the	hat nam re ar
show point of dive 5. Notarized Stateme STATE OF MONTA County of I, <u>Hauf mon</u> being of legal age is signed to it as th true and correct.	And being the change of the claimant, know	use, place laimant.) :ss.) this cla	rage, and , havi	ng been o	duly sw er right, e matter	orn, d	lepos he pe	e and rson w s state	say t hose	hat nam re a
show point of dive 5. Notarized Stateme STATE OF MONTA County of I, <u>Hauf mon</u> being of legal age is signed to it as the true and correct.	And being the change of the claimant, know	use, place laimant.) :ss. this cla itents of	, having, having	ng been o isting wat im and the	duly swi er right, e matter	orn, d and ti s and	lepos he pe	e and rson w s state	say t hose d the	hat nam re ar
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show point of dive 5. Notarized Stateme STATE OF MONTA County of I, <u>Hauf mon</u> being of legal age is signed to it as the true and correct.	And being the change of the claimant, know	use, place laimant.) ;ss.) this cla itents of 7th Resid	, having in the second sec	day of big Sky	duly swi er right, e matter Ma ntana , Mônta	orn, d and th s and rch	lepos he pe thing	e and rson w s state	say t hose d the	hat nam re ar
show point of dive 5. Notarized Stateme STATE OF MONTA County of I, <u>Hauf mon</u> being of legal age is signed to it as the true and correct.	And being the chand being the channel.	use, place laimant.) ;ss.) this cla itents of 7th Resid	, having in the second sec	ng been o isting wat im and the 	duly swi er right, e matter Ma ntana , Mônta	orn, d and th s and rch	lepos he pe thing	e and rson w s state	say t hose d the	hat nam re ar

*

NATURAL RE	CLAIM IO 41H -W-122636-00 PRIDRITY DATE:* 08:00 40.01/1972 TYPE OF RIGHT: USE 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	BIG SKY MT 59716	ML 01 WELL LOT BLK OTR SEC SEC TWP RGE CD 001 SWSESE 19 065 03E MA YIELD RATE 240 G	CM 01 0.00 ACRES PERIOD OF USE 1999999997 ACRES VER. ACRES WRS 1919LOT BLK ATR SEC SEC TWP RGE CDREMARKS	LS: 001 0.00 0.00 001 SE 19 06S 03E MA	002 0.00 0.00 006 NW 29 065 03E MA 003 0.000 006 NE 30 065 03E MA	NE 30 065	J0TAL 0.00	SE OI MA-CASCADE	ADENDUMS: YES THO & RSRV POU RMRK DWNR) COMMENTS	IENTAL IF REF. RIGHT. MAX COMBINED VOLUME FOR ALL RIGHTS AF MAX COMBINED ACRES FOR ALL RIGHTS	**************************************	_NO COMMENTS	NAME DK: LYES NO (EROM: USGS TOPO MAP WR SURVEY) COMMENTS) (S/G) DK: LYES NO COMMENTS	S. S	je statistical second
	CLAIM IO 41H -W-122 TYPE CODE: 6 OWNERS: (M) C B		1 12 12	01	PARCELS: 001	002	004	TOTAL	REMARKS: SB.01 MA-	ADDENDUMS: YES V	SUPPLEMENTAL I	 ・ ・ ・	BASIN DK:	TYPE CD (15/6) OK: LYES		

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DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION	
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CLAIM 10 41H -W-122636-00 (CONTINUED)	A TANK A
CLAIMED PRTY DATE DK: YES - VND COMMENTS - CH	1/30/74
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AIR PHOTO VERIFICATION OF DEVELOPMENT: PHOTO NOWE PHOTO DATE	A 10.0
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PHOTO PHOTO PHOTO DATE	
TELEPHONE CONTACT: YES 40 DATE COMPLETED // BY COMMENTS	target and the start provide status and the start was a start and the start
LETTER CONTACT: _YES 40 DATE COMPLETED _/_ BY _ COMMENTS	
DWNERSHIP: YES LOO DATE COMPLETED // BY COMMENTS	
INTERVIEW:YES 200 DATE COMPLETED _/ BY COMMENTS	
FIELD INVESTIGATION: _YES APPROVED BY DATE CHECKED BYCOMMENTS	The second
GENERAL REMARKS:	음 등 전 전 물
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INVESTIGATED BURGER PATE LOUIL & 4	
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TEMPORARY PRELIMINARY DECREE GALLATIN RIVER BASIN BASIN 41H ABSTRACT OF WATER RIGHT

WATER RIGHT NUMBER 41H -W-122636-00

DWNERS:	BIG SKY OF MONTA	NA INC	
	PO BOX 1 BIG SKY	MT	59716

PRIDRITY 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	065	0 JE	MADISON	WELL

PLACE OF USE FOR COMMERCIAL

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

REMARKS: SUBDIVISION:

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CASCADE

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

PAGE 3122

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MOUNTAIN VILLAGE NO. 2

STATEMENT OF CLAIM NO:41H 122637 00COMPLETION 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 acrefeet 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

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 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 Sec</u> <u>Twp</u> <u>Rge</u> <u>County</u>							
1 SE 19 6S 3E MADISON							
Subdivision:CASCADE SUBD (BIG SKY) BLOCK: 0012NW296S3EMADISON							
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.

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Form No 76-O R2/80 122637	STATEMENT OF CLAIM	RECEIVED MAR 1 5 1982
40	OTHER USES For the Water Courts of the State of Monta	8
1. Owner of Water Rigl	nt 1316 SIXY OF MONT. INC	/
. Co-Owner or Other Interest Owner	Last First	/Middle Initial
	130× 1	
a management of the state of the	Y         State         MONITANA           95  -4211         Business Phone No.	A
1.5	form <u>TOUT</u> I <u>RAYMONO</u> Last First	ð
	130X 806	Middle Initial
	YState_MONTANA	Zip Code 59716
	95-4304 Business Phone No. 995	
FW Fish & Wildlin CM X Commercial IN Industrial		Generation §
4. Source of Water:	(Check Only One)	8
Spring	Name	š
🔀 Well	Name Low Dog	ŝ
Stream	Name Tributary of	§
🗌 Lake		§
Reservoir	Tributary of Stream	
- Heselvon	Tributary of	0
5. Point of Diversion:	County MADISON	
. <b>C</b>		X
GMeans of Diversion:	<ul> <li>Well</li> <li>Pump Capacity <u>80</u> gpm</li> <li>Headgate with ditch or pipeline</li> <li>Instream use</li> <li>Other Explain</li> </ul>	
7. Means of Conveyand	e: Ditch Instream X Pipeline Other:	

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8. Place of Use: Co	ountyM	ADISC	N		2	• . •	<u></u>	
Instream	City or Town	n 🛛	Other:	Explain_	RESO	ORT		<u>.</u>
Lot,/	Block,	1/4	1/4 SE	_1/4, Section_	19_, T_	6 \$1/S, "	R <u>3.</u> I	E/®
Lot,6	Block,	1/4	VA NW	_1/4, Section_	29 T	6 M/S, I	R[	E/107
Lot, 6	Block,	1/4	1/4 NE	1/4, Section	<u>30</u> , T_	<u>6</u> \$1/S,	R[	E/10
,Lot,	Block,	1/4	1/4 NE	_1/4, Section_	<u>30</u> , T_	<u>6</u> <b>1</b> /s, 1	RE	E/ <b>M</b>
Lot,	Block,	1/4	1/4	_1/4, Section_	, T	N/S, I	RE	E/W
Subdivision	CASCAP	E						
9. Flow rate claimed:_	80		_🛛 gall	ic feet per s ons per min er's inches				
10. Volume claimed:	129		acre-feet	oer vear				
ATNEL		,	.7	. 31				
(1) Period(s) of use:	Month	Day to	Month	Day				
12. Check one: 13. Attach copies of the	Decreed W Filed Appro	opriation Ri Right		<u>8:00AM</u> Hour	ity date or d <u>のeナ</u> ^{Month}		use <u>1972</u> _{Year}	
14. Attach copies of ae show point of divers	sion, place of use	e, place of s					necessary	/ to
15. Notarized Statemen	t signed by claim	nant.						
STATE OF MONTAN	1A	)						
County of	DISCN	;	SS.					
I, <u>Paymons</u> being of legal age a is signed to it as the true and correct.	1. J Juit nd being the clair	nant of this the content	claim of	wing been o existing wate laim and the	er right, and	the person	whose na	me
		-	246		11		(3 -	
Subscribed and swo	orn before me, th	is_ / 2	379	day of	MARC	4	19 82	<u> </u>
	Ð		Notary Public I	the State of Mor	Jitana	Den	ine.	_
	12		esiding at	D(	G DKY	NONTA	NA	
		M	y Commis	sion expires		83		
						*		

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DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION 09/13/83	
OR EXISTING WATER RIGHTS	2
CLAIM ID 41H -W-122637-00 (CONTINUED)	
PROOF OF USE: CLAIMED FLOW RATE DK: VES _NO _NONE GIVEN COMMENTS	25
	2
FLOW RATE OK: LES NO COMMENTS	71. P
VOLUME OK: WES NO COMMENTS	5 5
PRIORITY DATE OK: LYES NO ( APPLIED LAST MONTH OF YR APPLIED LAST DAY OF MONTH) COMMENTS	023
PERIOD OF USE OK: YES NO COMMENTS	5.5
AIR PHOTO VERIFICATION OF DEVELOPMENT: PHOTO AND PHOTO DATE	203
PHOTO DATE PHOTO PATE PHOTO PATE	45
PHOTO DATE PHOTO DATE	
TELEPHONE CONTACT: _YES VO DATE COMPLETED _/ BY COMMENTS	22
LETTER CONTACT:YESDATE COMPLETED BY COMMENTS	12
OWNERSHIP:YES VOD DATE COMPLETEDBY COMMENTS	202
VNG DATE COMPLETED / / BY	21.2
TION: YES WO APPROVED BY DATE CHECKED	1000
GENERAL REMARKS:	-
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#### TEMPURARY PRELIMINARY DECREE GALLATIN RIVER BASIN BASIN 41H ABSTRACT OF WATER RIGHT

#### WATER RIGHT NUMBER 41H -W-122637-00

OWNERS:	BIG SKY OF	MUNTANA	INC	ి
	BIG SKY		мт	5971

PRIDRITY DATE: JAN 30, 1974

FLOW RATE: EU.00 GPM

VOLUME: 64.69 ACRE FEET PER YEAR

SOURCE: WELL

PURPOSE (USF): COMMERCIAL

PERIOD OF USE: JAN 1 TO DEC 31

### POINTS OF DIVERSION AND MEANS OF DIVERSION:

LOT BLK OTR SEC SEC TWP RGE	COUNTY
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	NENENE	30	065	03E	MADISON	WELL
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PLACE OF USE FOR COMMERCIAL

	ACRES	LOT	<u>BLK</u>	OTR	SEC	SEC	TWP	RGE	COUNTY
001			601		SE	19	065	03E	MADISON
002			006		NW	29	065	03E	MADISON
003			006		NE	30	065	03E	MADISON
004					NE	30	065	0.3E	MADISON

REMARKS: SUBDIVISION: CASCADE

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

FTL MT N SEP 171993

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PAGE 3123

# MOUNTAIN VILLAGE NO. 3

# STATEMENT OF CLAIM NO:41H 133733 00COMPLETION 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 N	umber:		3733-00 3 PC			OF CLA	MM	Μ	OUNTAIN	VILLAGE	NO.	3
			Version	n Status:	ACTIV	E						
Owners:		% RON PO BO	Y COUNT EDWARI K 160670 Y, MT 59	DS		EWER	DIST #3	363				
Priority Date:		JANUA	RY 30, 19	974								
Enforcea	able Priori	tv Date:	JANUAR	Y 30, 19	74							
Type of Histori	ical Right:	USE		·								
Purpose (use):		COMME	ERCIAL									
Maximum Flov	w Rate:	180.00 (	GPM									
Maximum Vol	ume:	145.54	AC-FT									
Source Name:		GROUN	IDWATE	R								
Source T	ype:	GR	OUNDW	ATER								
Point of Divers	ion and M	leans of Di	iversion:									
<u>ID</u> 1		Govt Lot		<u>Qtr Sec</u> VNENE	<u>Sec</u> 30	<u>Twp</u> 6S		<u>County</u> MADIS	-			
	f Diversion n Means: ion:	WELL	RY 1 TO DE SUBI	-								
Period of Use:		JANUA	RY 1 to E	DECEMB	ER 31							
Place of	Use											
ID Indee of	0.50.											
	Acres	Govt Lo	t	Qtr Sec	Sec	Twp	Rge	Count	<u>y</u>			
1	Acres	<u>Govt Lo</u>		SE	19	6S	3E	MADIS				
1	<u>Acres</u> Subdivisi			SE DE SUBI	19 D (BIG :	6S SKY) BI	3E _OCK:	MADIS 001	SON			
		ion:	CASCA	SE DE SUBI NW	19 0 (BIG 5 29	6S SKY) BI 6S	3E LOCK: 3E	MADIS 001 MADIS	SON			
1	Subdivisi Subdivisi	ion: ion:	CASCA	SE DE SUBI NW DE SUBI NE	19 0 (BIG 3 29 0 (BIG 3 30	6S SKY) BI 6S SKY) BI 6S	3E LOCK: 3E LOCK: 3E	MADIS 001 MADIS 006 MADIS	SON SON			
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## **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.

Ù Componenterrorrorrorrorrorrorrorrorrorrorrorrorro	CARACTER CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CON	
Form No. 76-O R2/80		BFAFINE D
Ť	STATEMENT OF CLAIM	RECEIVED
133733	FOR EXISTING WATER RIGHTS	Mar 1 5 1982  🖁
MA-U	other uses	MONTANA D.N.R.C. \$
10-105-01-01 FO	r the Water Courts of the State of Montana	BOZEMAN FIELD OFFICE
40		
1. Owner of Water Right	BIG SKY OF MONTANA INC. Last First	/ Middle Initial
Co-Owner or Other Interest Owner	Last First	, 3
Address DA	Last First	/Middle Initial
	State MONTANA	Zip Code 59716
-	<b>95- 4211</b> Business Phone No	
2. Person completing form	n <u>TOUT</u> I <u>RAYMOND</u> Last First	/
Address P. O.		Middle Initial
City BIG SKY	State MONT	Zip Code <u>59716</u>
Home Phone No	Business Phone No	8
3. Use: (C		000
2	GE Geothermal MN Mining	eration
CM 🕅 Commercial	FP Fire Protection RC Recreation	· §
	AS Agricultural Spraying OT Other OF Oil Well Flooding Explain	
4. Source of Water: (C	heck Only One)	000
	ame	Š
	ameLAKE	. §
🗌 Stream Na	ame Tributary of	
	ibutary of	§
	aine Stream ibutary of	§
	ounty MADISON	
	W 1/4 NE 1/4 NE 1/4, Section 30, T 6	₽/S, R3E/₩
	t, Block, Subdivision	S.
6 Means of Diversion:		200
	Yeump Capacity <b>180</b> gpm Headgate with ditch or pipeline	8
Pri	Instream use	ŝ
	Other Explain	
7. Means of Conveyance:		S.
	Pipeline	

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			y or Town		Other						-	-	•
	Lot,	59			V4			1125		- and - 2	· ·		_E/
•	Lot,				/4								_E/
		6 Block			0375-DC 001•129-7								_E/
	Lot,				¼_ <u>N_</u>							12-12-12-1-1-	_E/
	Lot, Subdivision				1/4		Section_				N/S, R		_E/
	Flow rate claimed Volume claimed:				¥ g	allons iner's	et per s per min inches						
10.	Volume claimed:_	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	70		_acre-ree	et per y	/ear						
11.	Period(s) of use: -	JAN		/ to Day	DEC Month	_/_3	<b>3 /</b> Day						
12.	Check one:	j⊂. Fil	creed Wa ed Appro e Water I	priation		£	Prior	ity date Oct	<u> </u>	ate of / Day	first u	se <u>972</u> ^{Year}	-
13.	Attach copies of t				or Proof	of Use	Riaht.						
	2.23			16			623						
· · · ·	Attach copies of a show point of dive										ento n		,,,
(13)	Notarized Statem	ent signed	by claim	ant.									
		ANA,			)								
	STATE OF MONT	<b>U</b>			:ss. )								
	32 A												
	STATE OF MONT		A		/								
	32 A	and being he claiman	the claim t, know t	hant of the conte	his claim of this	ofexist	ting wat	er right	, and	the pe	erson w	hose n	an
	County of <u>Mala</u> I, <u>Raypmovid</u> being of legal age is signed to it as t	and being he claiman	t, know t	he conte	his claim of this	ofexist	ting wat	er right matte	, and 's and	the pe	erson w gs state	hose n	e ai
	County of <u>Main</u> I, <u>Raypmorial</u> being of legal age is signed to it as t true and correct.	and being he claiman	t, know t	he conte	7th	L.	day of	Mar Mar	cch	the pe I thing	erson w gs state	hose need there	e ai
	County of <u>Main</u> I, <u>Raypmovid</u> being of legal age is signed to it as t true and correct.	and being he claiman	t, know t	he conte	7th	J.	day of	Mar Mar	cch	the pe I thing	erson w gs state	hose need there	e a
	County of <u>Main</u> I, <u>Raypmovid</u> being of legal age is signed to it as t true and correct.	and being he claiman	t, know t	s	7th	bi exist s claim	day of day of State of More	Mar Mar	ch .	the pe I thing	erson w gs state	hose need there	e a

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	09/13/83	FEE PAID:	MAX ACRES:															TS		*****		1	1	
	50		AX AC						s									RI GHTS		** * *	OME			
		5/82	3_				180 G		REMARKS									FOR ALL		****	D VOL			
		03/15							æ							8				****	CLAIMED VOLUME			
		VED:	YEAR				YIELD RATE		2									ACRES	1 HD I	****				
		RECEI	O AF/				VIELC									ġ		COMB I NED	REF. RIGHT	*****	- OVER			COMMENTS
		CLAIM RECEIVED: 03/15/82	290.00 AF/YEAR			CO	AM		9	AM	MA	MA	MA						OF RE	****	FIYR			CON CON
	ATION		100			RGE	03E		RGE	03E	03E	0 3E	0.3E					MAX	1	****	292.800 AF/YR		COMMENTS	FLNG
	TURAL RESOURCES AND CONSERVATION	FOR EXISTING WATER RIGHTS 24 25 25 27 27 27 27 27 27 27 27 27 27				TWP	06S		TWP	06 S	06S	065	065					AF		****	292.			GRID ON FLNG)
	D CON	EXISTING WATER RI TYPE DF RIGHT: USE	MAX VOLUME:			SEC	30		SEC	19	29	30	30					j	1	3RM #:			SURVEY )	
	ES AN	ING W	MAX V			OTR SEC	NWNENE		OTR SEC	SE	MZ	ш Z	ВN					Ì	0	ON FC	USE		WR SU	CLMNTS MAP
	SOURC	EXIST YPE O	(IW				MZ										TS	ŝ	AIM I	ICATI	OF		i	CLMNJD
i.	AL RE	FOR T				LOT BLK		~	T BLK	001	000	900					OMMEN	L RIGHTS	AND CLAIM ID	VERIF	ERIOD			(FROM:
	<b>ATUR</b>	CLAIM FO				۲C	2	66666	LOT	1	1	1	1	1			OWNR) COMMENTS	DR ALL	4	IELD	AND PERIOD			- L
	DEPARTMENT OF NA	Pot.	5		59716			PERIOD OF USE 199999997	19_									Σ	10	4 * *	RATE			UNVERIFIED
	TMEN	ABSTRACT * 08:00			5			JSE 1	I	1	1						RMRK	NOL	<b>DSE</b>	***	-LOW		O MAP.	UNVE
	DEPAR	AB5 E:* (	U		ΤW			OF (	S 19								Dod_	AB I NEC	PUR	****	NO		SS TO	1. 1
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		ABSTRAC PRIORITY DATE:* 08:00	-	ONTAN					VER. ACRES WRS 19								RSRV	T. MA	TAL F	****	VOLUME BASED ON FLOW RATE	COMMENTS	COMMENTS	LAPPEARS CORRECT
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		CLAIM ID 41H -W-133733-00	TYPE CODE: G MAX RATE:	(W)			WL 01	CM 01		100	005	003	004	TOTAL		SB 01		aL		****	STAT		E OK:	610
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ABSTRACT OF CLAIM FOR EXISTING WATER RIGHTS	CLAIM ID 41H -W-133733-00 (CONTINUED) PRODE DE USE: CLAIMED FLOW RATE DK: YES NO NONE GIVEN COMMENTS CLAIMED PRTY DATE DK: YES IND COMMENTS SW2 FILING 01/30 1974 FLOW RATE DK: LEES NO COMMENTS	OK: LES	ATION OF	PHOTO DATE	PHOTO DATE PHOTO DATE	TELEPHONE CONTACT: _YES TO DATE COMPLETED _/ BY COMMENTS	LETTER CONTACT: _YES 40 DATE COMPLETED _/ BY COMMENTS	DWNERSHIP:YESND DATE COMPLETED BY COMMENTS	INTERVIEW:YESNO DATE COMPLETED/ BY COMMENTS	FIELD INVESTIGATION: YES VND APPROVED BY DATE CHECKED _/ BY COMMENTS	GENERAL REMARKS:		15	
11.14	20 ANNO 12 AN	674 ( - 3) - 6	(F) (F)	4.01	+)	8.00	2		22)	*2		 10°	法遗长出	-8

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DATE 6.11 INVESTIGATED BY REVIEWED BY

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

# 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
а — — М	PO BOX 160066		MT	50714
	BIG SKY		MT	59716

PURPOSE (USE): COMMERCIAL

1

WELL SOURCE : SOURCE TYPE: GROUNDWATER

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

180.00 GPM ( .40 CFS) FLOW RATE:

145.54 AF VOLUME :

PERIOD OF USE: JANUARY 01 TO DECEMBER 31

#### POINT OF DIVERSION:

LOT BLK QTR SEC SEC TWP RGE COUNTY

1	-	-	

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NWNENE 30 06S 03E MADISON

PLACE OF USE FOR COMMERCIAL:

	ACRES	LOT BLK	QTR SEC	SEC	TWP	RGE	COUNTY	
001 002 003 004	¥	001 006 006	SE NW NE	19 29 30 30	06S 06S 06S	03E 03E 03E	MADISON MADISON	
004			NE	20	065	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. ¥ ¥ ¥ ¥

07/28/97 PAGE 1

FILME

# MOUNTAIN VILLAGE NO. 4

# PROVISIONAL PERMIT NO:41H 61672 00COMPLETION 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 PROVIS Version: 1 ORIGINAL		ERMIT	MOUNTAIN	VILLAGE	NO.	4
Owners:	Version Status: BIG SKY COUNTY WAT % RON EDWARDS PO BOX 160670 BIG SKY, MT 59716-067	ER & SEW	VER DIST #3	63			
Priority Date:	OCTOBER 21, 1986 at 0	1:40 P.M.					
Enforceable Prior	ty Date: OCTOBER 21, 1	986 at 01:4	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 M	leans of Diversion:						
ID	Govt Lot Qtr Sec			County			
1	NENWNE	30		<u>County</u> MADISON			
1 Period of Diversio	NENWNE a: JANUARY 1 TO DECEM	30					
1	NENWNE	30					
1 Period of Diversio	NENWNE a: JANUARY 1 TO DECEM	30					
1 Period of Diversio Diversion Means:	NENWNE a: JANUARY 1 TO DECEM WELL	30					
1 Period of Diversio Diversion Means: Purpose (Use):	NENWNE a: JANUARY 1 TO DECEM WELL COMMERCIAL	30 BER 31					
1 Period of Diversio Diversion Means: Purpose (Use): Volume:	NENWNE a: JANUARY 1 TO DECEM WELL COMMERCIAL 150.00 AC-FT	30 BER 31					
1 Period of Diversio Diversion Means: Purpose (Use): Volume: Period of Use:	NENWNE a: JANUARY 1 TO DECEM WELL COMMERCIAL 150.00 AC-FT JANUARY 1 to DECEME <u>Govt Lot</u> <u>Qtr Sec</u>	30 BER 31 SER 31 <u>Sec T</u>	6S 3E	MADISON <u>County</u>			
1 Period of Diversio Diversion Means: Purpose (Use): Volume: Period of Use: Place of Use: <u>ID</u> <u>Acres</u> 1	NENWNE a: JANUARY 1 TO DECEM WELL COMMERCIAL 150.00 AC-FT JANUARY 1 to DECEME <u>Govt Lot</u> <u>Qtr Sec</u> SE	30 BER 31 SER 31 <u>Sec T</u> 19	6S 3E	MADISON <u>County</u> MADISON			
1 Period of Diversio Diversion Means: Purpose (Use): Volume: Period of Use: Place of Use: <u>ID Acres</u>	NENWNE a: JANUARY 1 TO DECEM WELL COMMERCIAL 150.00 AC-FT JANUARY 1 to DECEME <u>Govt Lot</u> <u>Qtr Sec</u>	<u>30</u> BER 31 SER 31 <u>Sec</u> <u>T</u> 19 29	6S 3E	MADISON <u>County</u>			

### 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.

4.1 FORM NO. 601 86/86 STATE OF MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION HELENA, MONTANA 59620 1520 EAST SIXTH AVENUE 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 OCTOBER 21, 1986 AT 1:40 P.M. PRIORITY DATE: SOURCE: GROUNDWATER WELL TOTAL_FLOW_RATE: 124.00 GPM 150.00 ACRE FEET PER YEAR TOTAL_VOLUME: NENWNE SEC. 30 TWP. 065 RGE. 03E MADISON CO DIVERSION POINT: 124.00 GPM UP TO USE: 150.00 AC-FT (JAN 01 - DEC 31) FOR COMMERCIAL SE SEC. PLACE_DE_USE: 19 TWP. 065 RGE. 03E MADISON CO FOR COMMERCIAL NW SEC. 29 TWP. 065 RGE. 03E MADISON CO FOR COMMERCIAL NE SEC. 30 TWP. 065 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 ** 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: ** <u>MEASURING DEVICE</u>: 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. ** <u>PROGRESS_REPORI</u>: 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, DF BOZEMAN MT 59715. ** <u>FURTHER INFORMATION</u>: THIS WELL IS MANIFOLD AND USED IN CONJUNCTION WITH STATEMENT OF CLAIM NO.S 122636-41H, 122637-41H AND 133733-41H . ** <u>CONTAMINATION, FLOWING WELLS</u> 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. REAILURE_ID_COMPLY_WIIH_ANY_IERMS_AND_CONDITIONS_HEREIN_MAY_RESULT_IN THE_LOSS_DE_THE_WATER_RIGHT_GRANTED_BY_THIS_PERMIT. ** IRANSFER 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. 15 ADMINISTRATIVE ASST RONALD J GUSE WITNESS DATE: MARCH 31,1987 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION 

	N	
FORM NO. 601 R6/86 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 TD: Lone mountain springs water utility PO BOX 1 BIG SKY MT 59716	MOUNTAIN VILLAGE NO.	Δ
UPON FINDING THAT THE REQUIREMENTS OF SECTION 85-2-311 MCA HAVE BEEN MET.		
PERMIT_NUMBER: 61672-G41H	0	
PRIORITY DATE: OCTOBER 21, 1986 AT 1:40 P.M.		
<u>Source</u> : groundwater well		
TOTAL_FLOW_RATE: 124.00 GPM	Q Q Q	
TOTAL VOLUME: 150.00 ACRE FEET PER YEAR	0 0 2	
DIVERSION POINT: NENWNE SEC. 30 TWP. 06S RGE. 03E MADISON CO	되 민 민	
USE: 124.00 GPM UP TO 150.00 AC-FT (JAN 01 - DEC 31) FOR COMMERCIAL	9 9 9	
<u>PLACE OF USE:</u> 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	4 4 4	
A ** <u>REQUIREMENTS FOR PERMIT HOLDER</u> : 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.		
** <u>PRIOR RIGHTS</u> : 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.		
** <u>MEASURING DEVICE</u> : 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.		
** <u>PRDGRESS_REPORT</u> : 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.		
#** <u>FURTHER_INFORMATION</u> : THIS WELL IS MANIFOLD AND USED IN CONJUNCTION WITH STATEMENT OF CLAIM NO.S 122636-41H, 122637-41H AND 133733-41H.		
** <u>CONTAMINATION, FLOWING WELLS</u> 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 ALEAST .50 INCH SO THAT THE STATIC LEVEL OF THE WELL MAY BE ACCURATELY AMEASURED.		
GAILURE_ID_COMPLY_WITH_ANY_IERMS_AND_CONDITIONS_HEREIN_MAY_RESULT_IN THE_LOSS_OF_THE_WAIER_RIGHI_GRANTED_BY_THIS_PERMIT.	2222222	
** IRANSFER OF OWNERSHIP: WUPON A CHANGE IN OWNERSHIP OF ALL OR ANY PORTION OF THIS PERMIT, WTHE 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 ADDER HATER PLOTES BURGAN, MATER RESOURCES DIVISION		
DATE: MARCH 31,1987 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION	<u>_</u>	

Form No. 616 R12/2008

# 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

Water Resources Regional Office

518/18

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 00COMPLETION 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.

Page 1 of 2 General Abstract

STATE OF MONTANA

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

# **GENERAL ABSTRACT**

117 / D'L/N L	MOUNTAIN VILLAGE NOS. 5, 6
Water Right Number:	41H 100737-00 PROVISIONAL PERMIT Version: 1 ORIGINAL RIGHT This water right also limits total
	Version Status: ACTIVE annual production from Mountain
Owners:	BIG SKY COUNTY WATER & SEWER DIST #363 Village Nos. 1 - 3 plus 5 & 6
	% RON EDWARDS
	PO BOX 160670 to 592 af/yr. BIG SKY, MT 59716-0670
Priority Date:	APRIL 2, 1997 at 04:15 P.M.
Enforceable Priori	ty 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 M	
<u>ID</u> 1	Govt Lot         Qtr Sec         Sec         Twp         Rge         County           NWSWSE         19         6S         3E         MADISON
Period of Diversion	a: JANUARY 1 TO DECEMBER 31
Diversion Means:	
Well Depth: Casing Diameter:	212.00 FEET 8.00 INCHES
Pump Size:	20.00 HP
2	SENESW 19 6S 3E MADISON
	a: JANUARY 1 TO DECEMBER 31
Diversion Means: Well Depth:	WELL 200.00 FEET
Static Water Level	
<b>Casing Diameter:</b>	
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>	Govt Lot Qtr Sec Sec Twp Rge County 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

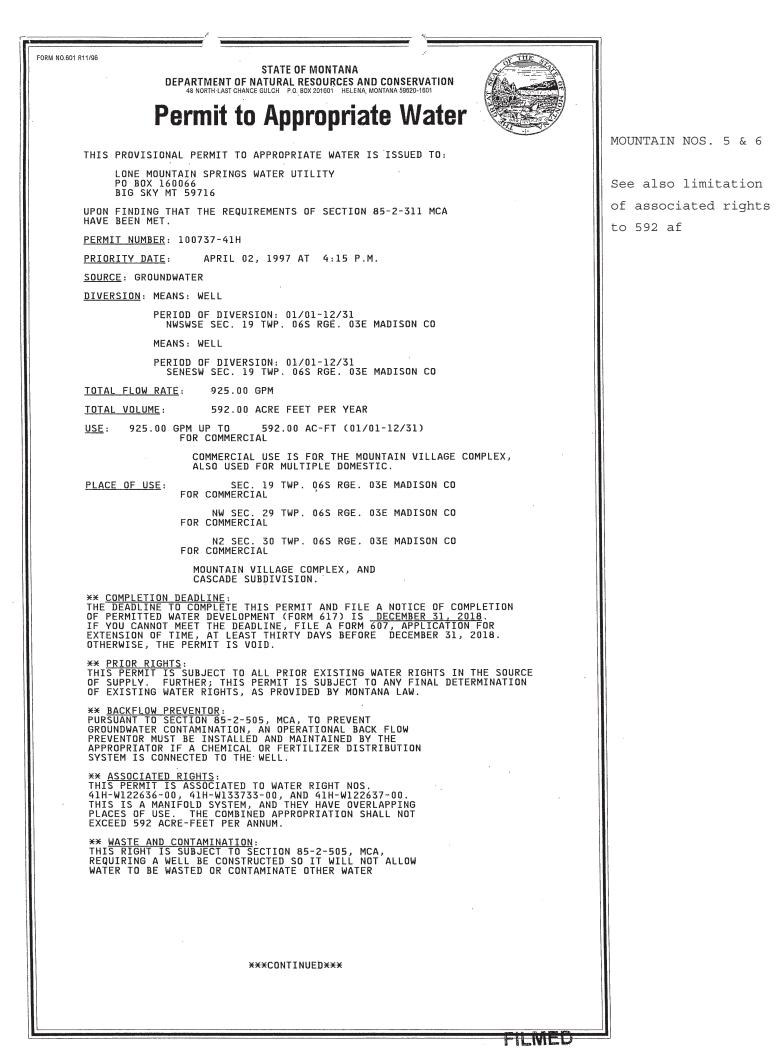
THE APPROPRIATOR SHALL SUBMIT A PROGRESS REPORT OF THE WORK COMPLETED UNDER THIS RIGHT BY NOVEMBER 30TH OF EACH YEAR UNTIL COMPLETION OF THE PROJECT. SUBMIT REPORTS TO THE WATER RESOURCES REGIONAL OFFICE AT THE ADDRESS LISTED BELOW. 151 EVERGREEN DRIVE, SUITE C, BOZEMAN, MT 59715 PH: 406-586-3136 FAX: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



FORM NO.601 R11/96

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.

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:

** <u>PROGRESS REPORT</u>: 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

** <u>DEPARTMENT RIGHT OF ACCESS:</u> 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.

** <u>TRANSFER OF OWNERSHIP</u>: 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.

mark WITNES

DATE

JULY 08, 1997 WATER RIGHTS BUREAU, WATER RESOURCES DIVISION

מספר השפריו ליו היו היו המורון



THIS PAGE WAS EXTRACTED FROM DNRC DOCUMENTS FOR 41H 100737 00.

# **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 gpd X 365 days = 192,755,405 gallons/year

192,755,405 gallons X 1 cf/7.48 gallons = 25,769,439 cf/year

25,769,439 cf/year X 1 ac-ft/43,560 cf = 592 ac-ft



Form No. 616 R



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

115/21

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 30001796COMPLETION 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 PROVI Version: 1 ORIGINAL		IT MOUN	FAIN VILLAG	E NO. 7
		-			
Owners:	Version Status: BIG SKY COUNTY WAT % RON EDWARDS PO BOX 160670 BIG SKY, MT 59716-067	ER & SEWER I	DIST #363		
Priority Date:	APRIL 25, 2002 at 11:58	A.M.			
Enforceable Priori	ty 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 M	leans of Diversion:				
<u>ID</u> 1	Govt Lot Qtr Sec NWNENE	<u>Sec</u> <u>Twp</u> 30 6S	<u>Rge</u> <u>County</u> 3E MADISON		
Period of Diversion Diversion Means: Well Depth: Static Water Level Casing Diameter:	280.00 FEET : 40.00 FEET	BER 31			
Reservoir:	OFF STREAM	a m			
	Govt Lot Qtr Sec SESWNE	<u>Sec Twp</u> 31 6S	<u>Rge</u> <u>County</u> 3E MADISON		
Current Capacity:	1.84 ACRE-FEET				
Purpose (Use): Volume:	COMMERCIAL 241.84 AC-FT				
Period of Use:	JANUARY 1 to DECEME	3ER 31			
Place of Use:					
ID         Acres           1         2           3         4           5         6           7         8           9         10           11         12           13         13	Govt Lot Qtr Sec S2SWSW W2 S2SE N2 S2 S2 S2 S2 NE	Sec         Twp           6         7S           31         6S           5         7S           8         7S           1         7S           36         6S           31         6S           31         6S           31         6S           31         6S           31         6S           30         6S           29         6S	RgeCounty3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON2EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON3EMADISON		
13 14 15		29 63 25 6S 20 6S	2E MADISON 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

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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	· material
Priority Date: Purpose (use): Maximum Flow Rate:	APRIL 25, 2002 at 11:58 AM Relativistic descent in the compared of the compare	
Maximum Volume:		
Maximum Acres: Source:		400. 400. 400. 400. 400. 400. 400. 400.
Source Name: Point of Diversion and Me	GROUNDWATER	
ID       1       Diversion Means:       Well Depth:       Static Water Level;	Govi Lot Qtr Sec Sec Twp Rge Cou NWNENE 30 6S 3E MAD WELL 280.00 FEET	<u>nty</u> JSON
Current Capacity:	OFF STREAM <u>Govt Lot</u> <u>Qtr Sec</u> <u>Sec</u> <u>Twp</u> <u>Rge</u> <u>Cou</u>	<u>nty</u> JISON
Purpose (Use): Volume; Period of Use: Place of Use: <u>ID</u> <u>Acres</u> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	COMMERCIAL         241.84 AC-FT           JANUARY 1 to DECEMBER 31         75           Govt Lot         Qtr Sec         Sec         Twp         Rge         Count           S2SWSW         31         65         3E         MAI           S2SWSW         31         65         3E         MAI           S2SWSW         31         65         3E         MAI           S2SE         5         7S         3E         MAI           N2         8         7S         3E         MAI           S2         36         6S         2E         MAI           S2         31         6S         3E         MAI           NE         31         6S         3E         MAI           19         6S         3E         MAI           29         6S	

### 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.

fissen the

Water Resources Division

11. 14

Witness Signature

DATE ISSUED: NOVEMBER 14, 2003

Page 2 of 2 Permit

# DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION



JUDY MARTZ

- STATE OF N

WATER RESOURCES DIVISION (406) 444-6601 TELEFAX NUMBERS (406) 444-0533 / (406) 444-5918 DIRECTOR'S OFFICE (406) 444-2074 TELEFAX NUMBER (406) 444-2684

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.

STATE WATER PROJECTS BUREAU (406) 444-6646 WATER MANAGEMENT BUREAU (406) 444-6637 WATER OPERATIONS BUREAU (406) 444-0860 WATER RIGHTS BUREAU (406) 444-6610 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.

Form No. 616 R12/2008

# 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

January 17, 2014

Water Resources Regional Office

# 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.

A VEISION WITH C		in operati	ng au	linoing	uale	EXISTS: 0	officer DIVICE for details		
Water Right Number:	41H 148445 Version: 5 -								
	Ve	Version Status: ACTIVE							
	RECOGNIZE CHANGE, AN USE IS RED	D BY THE D ND WILL THE UCED UNDE	EPAR EREAF R ADJ	TMENT I TER NO UDICAT	N THI T EXC ION P	S PROCEED EED THAT A ROCEEDING	THE HISTORIC USE ING AS SUBJECT TO AMOUNT. IF THE HISTORIC SS PURSUANT TO TITLE 85, BE LIMITED TO A LESSER		
Owners:	BIG SKY CC % RON EDW PO BOX 160 BIG SKY, M	VARDS 0670		EWER D	DIST #:	363			
Priority Date:	JUNE 23, 19	02							
<b>Enforceable Priorit</b>	ty Date: JUN	E 23, 1902							
Purpose (use):	MUNICIPAL FISHERY INSTREAM I	FISHERY							
Irrigation Type:	SPRIN	KLER							
Maximum Flow Rate:	9.10 CFS								
Historical Flow Rate:	9.10 CFS								
Maximum Volume:	120.46 AC-F	Т							
Historical Diverted Volume:	120.46 AC-F	г							
Historical Consumptive Volume:	99.27 AC-FT								
Source Name:	WEST GALL		, WEST	T FORK					
Source Type:		CE WATER							
Point of Diversion and Mo ID	eans of Diversi Govt Lot	on: Qtr Sec	Sec	Тwp	Rge	County			
1	0011201	SESENE	36	6S		GALLATIN			
Period of Diversion Diversion Means:		TO DECEM	3ER 31			Flow Rate:	9.10 CFS		
2		SESENE	36	6S	3F	GALLATIN			
– Period of Diversion Diversion Means:				00	σĽ				
3		NENESE	31	6S	4F	GALLATIN			
Period of Diversion Diversion Means:	UNE 1 TO ( INSTREAM								
	WATER IMP CONVEYED				TE PC	ND IS DIVER	RTED BY PUMP AND		
Reservoir:	OFF STREA	M Reservo	ir Nam	e LITTLI	E COY	OTE POND			
	Govt Lot	<u>Qtr Sec</u> SESENE	<u>Sec</u> 36	<u>Twp</u> 6S		<u>County</u> GALLATIN			
Diversion to Reserv	voir: DIVERS	SION # 1							
Dam Height:	11.50 FEET								
Depth:	10.00 FEET								
Surface Area:	2.50 ACRES								
Current Capacity:									
Period of Use:	JUNE 1 to C	OCTOBER 15	•						

April 18, 2022 41H 148445-00

## Page 2 of 4 General Abstract

#### **Purpose (Use):**

#### Period of Use: JUNE 1 to OCTOBER 15

MUNICIPAL

Place of U	se:						
ID	Acres	Govt Lot	<u>Qtr Sec</u>	Sec	Twp	Rge	<b>County</b>
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:

ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	<b>County</b>
1			E2SENE	36	6S	3E	GALLATIN

Purpose (Use): **INSTREAM FISHERY** 

> Period of Use: JUNE 1 to OCTOBER 15

Pla	ce of Use:							
ID	Acre	<u>es (</u>	Govt Lot	Qtr Sec	Sec	Twp	Rge	<b>County</b>
1				E2SENE	36	6S	3E	GALLATIN
2				SWNW	31	6S	4E	GALLATIN
3				S2SENW	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 SENESE 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.

A version with a	a more rece	in operati	ny au	unonity	uale	exists. C	ontact DINKE for details	
Water Right Number:	41H 148446 Version: 5 -							
	Version Status: ACTIVE							
Owners:	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. BIG SKY COUNTY WATER & SEWER DIST #363 % RON EDWARDS PO BOX 160670							
	BIG SKY, M	F 59716-067	C					
Priority Date:	MAY 15, 195	2						
Enforceable Priorit	y Date: MAY	15, 1952						
Purpose (use):	MUNICIPAL FISHERY INSTREAM I	FISHERY						
Irrigation Type:	SPRIN	KLER						
Maximum Flow Rate:	9.10 CFS							
Historical Flow Rate:	9.10 CFS							
Maximum Volume:	120.46 AC-F	т						
Historical Diverted Volume:	120.46 AC-FT	Г						
Historical Consumptive Volume:	99.27 AC-FT							
Source Name:	WEST GALL	ATIN RIVER	, WEST	FORK				
Source Type:		CE WATER						
Point of Diversion and M			<b>C</b>	<b>T</b>	D	Company		
<u>ID</u> 1	Govt Lot	<u>Qtr Sec</u> SESENE	<u>Sec</u> 36	<u>Twp</u> 6S		<u>County</u> GALLATIN		
Period of Diversion Diversion Means:		TO DECEMI	BER 31			Flow Rate:	9.10 CFS	
2		SESENE	36	6S	35	GALLATIN		
Period of Diversion Diversion Means:				00	JL	GALLATIN		
	INGTREAM		24	60	45			
3		NENESE	31	6S	4⊏	GALLATIN		
Period of Diversion Diversion Means:	INSTREAM	JUTUBER 1	5					
	WATER IMP CONVEYED				TE PC	OND IS DIVER	RTED BY PUMP AND	
Reservoir:	OFF STREA	M Reservo	ir Namo	e LITTLI	E COY	OTE POND		
	Govt Lot	<u>Qtr Sec</u> SESENE	<u>Sec</u> 36	<u>Twp</u> 6S		<u>County</u> GALLATIN		
Diversion to Reserv	voir: DIVERS	SION # 1						
Dam Height:	11.50 FEET							
Depth:	10.00 FEET							
Surface Area:	2.50 ACRES							
Current Capacity:								
Period of Use:	JUNE 1 to C	CTOBER 15	5					

April 18, 2022 41H 148446-00

## Page 2 of 4 General Abstract

#### **Purpose (Use):**

#### Period of Use: JUNE 1 to OCTOBER 15

MUNICIPAL

Place of U	se:						
ID	Acres	Govt Lot	<u>Qtr Sec</u>	Sec	Twp	Rge	<b>County</b>
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:

ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	<b>County</b>
1			E2SENE	36	6S	3E	GALLATIN

Purpose (Use): **INSTREAM FISHERY** 

> Period of Use: JUNE 1 to OCTOBER 15

Place	e of Use:						
ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County
1			E2SENE	36	6S	3E	GALLATIN
2			SWNW	31	6S	4E	GALLATIN
3			S2SENW	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 SENESE 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.



Page 1 of 15 Change Authorization

STATE OF MONTANA

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION 1424 9TH AVENUE P.O.80X 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	Wr#		Type			
Number(s) Changed:	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 SENESE 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 <u>DECEMBER 31, 2037</u>. IF YOU CANNOT MEET THE DEADLINE, FILE A FORM 607, APPLICATION FOR EXTENSION OF TIME, BY <u>DECEMBER 31, 2037</u>. 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

DATE ISSUED: OCTOBER 27, 2017

Water Resources Division

Page 2 of 15 Change Authorization

AN ASTERIS	K (*) HAS BEEN PLA	CED NEXT TO	EACH IT	EM ALTERE	BY THIS	CHANGE AUTHO	RIZATION.
Water Right Number:	41H 148445-00	STATEMEN	T OF CLA	AIM			
	Version: 5-CH/	ANGE AUTHO	RIZATIC	0N			
	Version	Status: ACTI	VE				
Owners:	BIG SKY COUNT % RON EDWARD PO BOX 160670 BIG SKY, MT 597	DS	SEWER	DIST #363			
Priority Date:	JUNE 23, 1902						
Enforceable Prior	rity Date: JUNE 23,	1902					
Purpose (use):	MUNICIPAL FISHERY INSTREAM FISH	ERY					
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	120.1071011						
Volume:	99.27 AC-FT						
Source Name: Source Type:	WEST GALLATIN SURFACE W	2 19 19 19 19 19 19 19 19 19 19 19 19 19	ST FORK				
*Point of Diversion and N	teans of Diversion:						
ID	Govt Lot	Qtr Sec	Sec	Twp	Rge	County	
17	10 C 10 C	SESENE	36	6S	3E	GALLATIN	
Period of Diversion Diversion Means:	II: JANUARY 1 TO HEADGATE	DECEMBER	31			Flow Rate:	9.10 CF
*2		SESENE	36	6S	3E	GALLATIN	
Period of Diversion	n: JUNE 1 TO OC	TOBER 15					
Diversion Means:	INSTREAM						
*3		NENESE	31	6S	4E	GALLATIN	
Period of Diversion Diversion Means:	INSTREAM	TOBER 15					
*Reservoir:	OFF STREAM	Reserve	oir Name:	LITTLE CO	YOTE PO	ND	
	Govt Lot	Otr Sec SESENE	Sec 36	Twp 6S	Rge 3E	County GALLATIN	
Dam Height:	11.50 FEET						
Depth:	10.00 FEET						
Deptit.	2.50 ACRES						
Surface Area:							

*5

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Page 3 of 15 Change Authorization

County GALLATIN

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M	UNICIPAL				
80	.87 AC-FT				
JUNE 1 to OCTOBER 15					
Acres	Govt Lot	Qtr Sec			
		NE			
	80 JU	MUNICIPAL 80.87 AC-FT JUNE 1 to OCTO Acres Govt Lot			

ID	Acres Govt Lot	Qtr Sec	Sec	Twp	Rge	County
*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	75	3E	GALLATIN
*19		NE	2	75	3E	GALLATIN
*20		W2W2	3	7S	3E	GALLATIN
*21			4	75	3E	GALLATIN
*22		E2	5	7S	3E	GALLATIN
•23		E2NW	5	75	3E	GALLATIN

Purpose (Use): Volume: Period of Use:	3.5	SHERY 57 AC-FT INE 1 to OCT	OBER 15			
*Place of Use: ID	Acres	Govt Lot	Qtr Sec	Sec	Тмр	Rge
2			E2SENE	36	6S	3E
Purpose (Use): Volume:		STREAM FIS	HERY			
Period of Use:		INE 1 to OCT	OBER 15			
*Place of Use:						
ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge
*1			E2SENE	36	6S	3E
*2			SWNW	31	6S	4E
•3			S2SENW	31	6S	4E
*4			S2SWNE	31	6S	4E

SWSENE

N2NESE

S2NESW

S2NWSE

S2NESE

NWSW

31

31

32

32

32

32

**6**S

**6**S

**6**S

**6**S

**6**S

**6**S

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 SENESE 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.



	RISK (*) HAS BEEN PL					CHANGE AUTHO	
Vater Right Number:	41H 148445-00	STATEMEN	T OF CL	AIM			
	Version: 3 - CH	ANGE AUTH	ORIZATIO	N			
	Version	Status: ACT	IVE				
lwners:	BIG SKY COUN % RON EDWAR PO BOX 160670 BIG SKY, MT 59	DS	SEWER	DIST #363			
riority Date:	JUNE 23, 1902						
Enforceable P	riority Date: JUNE 23	, 1902					
urpose (use):	FISHERY IRRIGATION MUNICIPAL						
faximum Flow Rate:	9.10 CFS						
istorical Flow Rate:	9.10 CFS						
faximum Volume:	120.46 AC-FT						
listorical Diverted olume:	120.46 AC-FT						
listorical Consumptiv olume:	99.27 AC-FT						
laximum Acres:	60.00						
ource Name:	WEST GALLATI	N RIVER, WE	ST FORK				
Source Type:	SURFACE W	ATER					
	d Means of Diversion:						
ID	Govt Lot	Qtr Sec	Sec	Twp	Rge	County	
•	100 C	SESENE	36	6S	3E	GALLATIN	
Period of Diver	sion: JANUARY 1 TO	DECEMBER	31			Flow Rate:	9.10 CFS
	IS: HEADGATE					Flow Rate.	5.10 01 1
	STREAD			LITTLE CO	YOTE PC		5.10 0, 1
Diversion Mean		Reserv <u>Qtr Sec</u>	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	5.10 61
Diversion Mean Reservoir:	OFF STREAM Govt Lot	Reserv	oir Name:	States States	All and the second	ND	
Diversion Mear Reservoir: Dam Height:	OFF STREAM Govt Lot 11.50 FEET	Reserv <u>Qtr Sec</u>	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	
Diversion Mear Reservoir: Dam Height: Depth:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET	Reserv <u>Qtr Sec</u>	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES	Reserv <u>Qtr Sec</u> SESENE	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET	Reserv <u>Qtr Sec</u> SESENE	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES	Reserv <u>Qtr Sec</u> SESENE	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capac	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE	Reserv <u>Qtr Sec</u> SESENE	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capac Purpose (Use):	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY	Reserv <u>Qtr Sec</u> SESENE	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capac Purpose (Use): Volume:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT	Reserv <u>Qtr Sec</u> SESENE	oir Name: <u>Sec</u>	Twp	Rge	ND <u>County</u>	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capac Purpose (Use): Volume: Period of Use: *Place of Use: ID	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT	Reserv <u>Qtr Sec</u> SESENE ET DBER 15 <u>Qtr Sec</u>	oir Name: See 36	<u>Twp</u> 65	Rge 3E	OND County GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capac Purpose (Use): Volume: Period of Use: *Place of Use:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO	Reserv <u>Qtr Sec</u> SESENE ET	oir Name: <u>See</u> 36	<u>Twp</u> 6S	Rge 3E	ND <u>County</u> GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capac Purpose (Use): Volume: Period of Use: *Place of Use: ID	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO	Reserv <u>Qtr Sec</u> SESENE ET DBER 15 <u>Qtr Sec</u>	oir Name: See 36	<u>Twp</u> 65	Rge 3E	OND County GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capace Purpose (Use): Volume: Period of Use: *Place of Use: <u>ID</u> *1	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO Acres Govt Lot IRRIGATION	Reserv <u>Qtr Sec</u> SESENE ET DBER 15 <u>Qtr Sec</u>	oir Name: See 36	<u>Twp</u> 65	Rge 3E	OND County GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capace Purpose (Use): Volume: Period of Use: *Place of Use: <u>ID</u> *1 urpose (Use): Climatic Area:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO Acres Govt Lot IRRIGATION 5 - LOW	Reserv <u>Qtr Sec</u> SESENE ET DBER 15 <u>Qtr Sec</u>	oir Name: See 36	<u>Twp</u> 65	Rge 3E	OND County GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capace Purpose (Use): Volume: Period of Use: *Place of Use: <u>ID</u> *1 urpose (Use): Climatic Area: Volume:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO Acres Govt Lot IRRIGATION 5 - LOW 26.49 AC-FT	Reserv Q <u>tr Sec</u> SESENE T OBER 15 Q <u>tr Sec</u> E2SENE	oir Name: See 36	<u>Twp</u> 65	Rge 3E	OND County GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capace Purpose (Use): Volume: Period of Use: *Place of Use: <u>ID</u> *1 urpose (Use): Climatic Area: Volume: Period of Use:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO Acres Govt Lot IRRIGATION 5 - LOW	Reserv Q <u>tr Sec</u> SESENE T OBER 15 Q <u>tr Sec</u> E2SENE	oir Name: See 36	<u>Twp</u> 6S <u>Twp</u> 6S	Rge 3E	OND County GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capace Purpose (Use): Volume: Period of Use: *Place of Use: <u>ID</u> *1 urpose (Use): Climatic Area: Volume: Period of Use: Period of Use: Period of Use: Place of Use:	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO Acres Govt Lot IRRIGATION 5 - LOW 26.49 AC-FT JUNE 1 to OCTO	Reserv Q <u>tr Sec</u> SESENE T OBER 15 Q <u>tr Sec</u> E2SENE	oir Name: <u>See</u> 36 <u>See</u> 36	<u>Twp</u> 6S <u>Twp</u> 6S	Rge 3E Rge 3E	ND County GALLATIN County GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capace Purpose (Use): Volume: Period of Use: *Place of Use: <u>D</u> *1 urpose (Use): Climatic Area: Volume: Period of Use: Place of Use: Dimeter area	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO Acres Govt Lot IRRIGATION 5 - LOW 26.49 AC-FT JUNE 1 to OCTO	Reserv Q <u>tr Sec</u> SESENE T OBER 15 Q <u>tr Sec</u> OBER 15 OBER 15 Q <u>tr Sec</u>	oir Name: See 36 See 36 See	<u>Twp</u> 6S <u>Twp</u> 6S <u>Twp</u>	Rge 3E Rge 3E	OULT NO COUNTY GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capace Purpose (Use): Volume: Period of Use: *Place of Use: <u>D</u> *1 urpose (Use): Climatic Area: Volume: Period of Use: Place of Use: Dimatic Area: Volume: Period of Use: Period of Use: Place of Use: Dimatic Area: Volume: Period of Use: Period of Use: Period of Use: Period of Use: Note: Period of Use: Note: Volume: Period of Use: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note: Note	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO Acres Govt Lot IRRIGATION 5 - LOW 26.49 AC-FT JUNE 1 to OCTO	Reserv Q <u>tr Sec</u> SESENE T OBER 15 Q <u>tr Sec</u> E2SENE	oir Name: <u>See</u> <u>36</u> <u>See</u> <u>36</u> <u>See</u> <u>36</u>	<u>Twp</u> 6S <u>Twp</u> 6S <u>Twp</u> 6S	Rge 3E Rge 3E Rge 3E	ND County GALLATIN County GALLATIN	
Diversion Mean Reservoir: Dam Height: Depth: Surface Area: Current Capace Purpose (Use): Volume: Period of Use: *Place of Use: <u>ID</u> *1 urpose (Use): Climatic Area: Volume: Period of Use: Place of Use: ID 2	OFF STREAM Govt Lot 11.50 FEET 10.00 FEET 2.50 ACRES ity: 14.00 ACRE-FEE FISHERY 3.57 AC-FT JUNE 1 to OCTO Acres Govt Lot IRRIGATION 5 - LOW 26.49 AC-FT JUNE 1 to OCTO Acres Govt Lot	Reserv Q <u>tr Sec</u> SESENE T OBER 15 Q <u>tr Sec</u> E2SENE OBER 15 Q <u>tr Sec</u> SE SW	oir Name: <u>See</u> <u>36</u> <u>See</u> <u>36</u> <u>See</u> <u>36</u> <u>36</u> <u>36</u>	<u>Twp</u> 6S <u>Twp</u> 6S 5S	Rge 3E Rge 3E Rge 3E 3E 3E	County GALLATIN County GALLATIN County GALLATIN GALLATIN	
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*Purpose (Use): Volume: Period of Use	MUNICIPA 80.87 AC-F JUNE 1 to					
*Place of Use:						
ID	Acres Govt L	ot Qtr Sec	Sec	Twp	Rge	County
*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	75	3E	GALLATIN
*19		NE	2	7S	3E	GALLATIN
*20		W2W2	3	7S	3E	GALLATIN
*21			4	7S	3E	GALLATIN
*22		E2	5	75	3E	GALLATIN
*23		E2NW	5	7S	3E	GALLATIN

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.

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#### 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 9.10 CFS Maximum Flow Rate: 9.10 CFS **Historical Flow Rate:** Maximum Volume: 120,46 AC-FT **Historical Diverted** 120.46 AC-FT Volume: **Historical Consumptive** Volume: 99.27 AC-FT Maximum Acres: 60.00 WEST GALLATIN RIVER, WEST FORK Source Name: SURFACE WATER Source Type: *Point of Diversion and Means of Diversion: ID Govt Lot Qtr Sec Sec Twp Rge County • 1 SESENE GALLATIN 36 **6**S 3E Period of Diversion: JANUARY 1 TO DECEMBER 31 Flow Rate: 9.10 CFS **Diversion Means: HEADGATE** OFF STREAM *Reservoir: Reservoir Name: LITTLE COYOTE POND Qtr Sec Sec Govt Lot Twp Rge County SESENE 36 **6**S 3E GALLATIN Dam Height: 11.50 FEET 10.00 FEET Depth: 2.50 ACRES Surface Area: Current Capacity: 14.00 ACRE-FEET Purpose (Use): FISHERY Volume: 3.58 AC-FT JUNE 1 to OCTOBER 15 Period of Use: *Place of Use: ID Acres Govt Lot Qtr Sec Twp County Sec Rge *1 E2SENE 36 65 GALLATIN 3E IRRIGATION Purpose (Use): **Climatic Area:** 5-LOW Volume: 26.48 AC-FT JUNE 1 to OCTOBER 15 Period of Use: Place of Use: Qtr Sec ID Acres Govt Lot Sec Twp Rge County 100.00 SE 36 **6**S 3E GALLATIN 1 2 100.00 SW 36 65 3E GALLATIN 3 35.00 GALLATIN S2S2NE 65 36 3E 4 5.00 SENW **6**S GALLATIN 36 3E 240.00 Total:

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*Purpose (Use) Volume Period	: 80.86 AC-FT	OBER 15				
*Place of	Use:					
ID	Acres Govt Lot	Qtr Sec	Sec	Twp	Rge	County
*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	75	3E	GALLATIN
*19		NE	2	75	3E	GALLATIN
*20		W2W2	3	75	3E	GALLATIN
*21			4	75	3E	GALLATIN
*22		E2		75	3E	GALLATIN
*23		E2NW	5 5	75	3E	GALLATIN

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 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.

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.

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Purpose (Use):	MUNICIPAL
Volume:	80.86 AC-FT
Period of Use:	JUNE 1 to OCTOBER 15
*Place of Use:	

ID	Acres Govt Lot	Qtr Sec	Sec	Twp	Rge	County
*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	75	3E	GALLATIN

1 2000								
Purpose (Use):	-	SHERY						
Volume:	1 P 1 P 2 P 2 P 2 P 2 P 2 P 2 P 2 P 2 P	58 AC-FT						
Period of Use:	JU	INE 1 to OCT	OBER 15					
*Place of Use:								
ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County	
1		NE S	E2SENE	36	6S	3E	GALLATIN	
Purpose (Use):	IN	STREAM FIS	HERY					
Volume:	26	48 AC-FT						
Period of Use:	JU	INE 1 to OCT	OBER 15					
*Place of Use:								
ID	Acres	Govt Lot	Qtr Sec	Sec	Twp	Rge	County	
			E2SENE	36	6S	3E	GALLATIN	
*2			SWNW	31	6S	4E	GALLATIN	
*3			S2SENW	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	
52								

S2NESW

S2NWSE

S2NESE

32

32

32

6S

6S

**6**S

4E

4E

4E

GALLATIN

GALLATIN

GALLATIN

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 SENESE 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.