

Site Name: ZAKOVI ZAC  
GWIC Id: 163190

**Section 1: Well Owner(s)**

1) ZAKOVI, ZAC (MAIL)  
417 N PLUM  
BOZEMAN MT 59715 [05/16/1997]

**Section 2: Location**

Township	Range	Section	Quarter Sections
03S	10E	29	NE¼ NW¼ NE¼
County		Geocode	

PARK

Latitude	Longitude	Geomethod	Datum
45.554111	-110.513637	TRS-SEC	NAD83
Ground Surface Altitude	Ground Surface Method	Datum	Date

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

DOMESTIC (1)

**Section 4: Type of Work**

Drilling Method: ROTARY  
Status: NEW WELL

**Section 5: Well Completion Date**

Date well completed: Friday, May 16, 1997

**Section 6: Well Construction Details**

**Borehole dimensions**

From	To	Diameter
0	139	6
139	310	5

**Casing**

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	139	6				STEEL

There are no completion records assigned to this well.

**Annular Space (Seal/Grout/Packer)**

From	To	Description	Cont. Fed?
0	25	BENTONITE	

**Section 7: Well Test Data**

Total Depth: 310  
Static Water Level: 310  
Water Temperature:

**Unknown Test Method \***

Yield 0 gpm.  
Pumping water level    feet.  
Time of recovery    hours.  
Recovery water level    feet.

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

**Section 8: Remarks**

WELL IS DRY TO 310 FEET

**Section 9: Well Log**

**Geologic Source**

330MDSN - MADISON GROUP OR LIMESTONE

From	To	Description
0	10	TOPSOIL WITH BOULDERS
10	57	SAND & COBBLE & BOULDERS SOME BOULDERS 10FT THICK
57	71	WEATHERED BROKEN GRANITE
71	76	GRANITE BOULDER
76	85	FRACTURED GRANITE / BOULDERS
85	112	LIMESTONE
112	114	STICKY RED CLAY
114	130	BLUE SHALE
130	310	LIMESTONE & NO CIRCULATION FROM 200 FT ON

**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.

<b>Name:</b> Company: POTTS DRILLING INC License No: WWC-512 Date Completed: 5/16/1997
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Site Name: MADDEN, TED & CARA MCNEELY  
 GWIC Id: 288706

**Section 1: Well Owner(s)**

1) MADDEN, TED & CARA MCNEELY (MAIL)  
 16 9TH ST ISLAND DR  
 LIVINGSTON MT 59047 [07/12/2016]  
 2) MADDEN, TED & CARA MCNEELY (WELL)  
 265 DEEP CREEK RD  
 LIVINGSTON MT 59047 [07/12/2016]

**Section 2: Location**

Township	Range	Section	Quarter Sections
03S	10E	29	NE¼ NW¼ NW¼ NE¼
County		Geocode	
PARK			
Latitude	Longitude	Geomethod	Datum
45.554111	-110.514472	NAV-GPS	NAD27
Ground Surface Altitude	Ground Surface Method	Datum	Date
Addition	Block	Lot	

**Section 3: Proposed Use of Water**

DOMESTIC (1)

**Section 4: Type of Work**

Drilling Method: ROTARY  
 Status: NEW WELL

**Section 5: Well Completion Date**

Date well completed: Tuesday, July 12, 2016

**Section 6: Well Construction Details**

**Borehole dimensions**

From	To	Diameter
0	318	7.9
318	580	6

**Casing**

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	318	6.6	0.25		WELDED	A53B STEEL
40	580	4.5		220.0	SPLINE	PVC-SCHED 40

**Completion (Perf/Screen)**

From	To	Diameter	# of Openings	Size of Openings	Description
380	580	4.5		.020	FACTORY SLOTTED

**Annular Space (Seal/Grout/Packer)**

From	To	Description	Cont. Fed?
0	40	BENTONITE	

**Section 7: Well Test Data**

Total Depth: 580  
 Static Water Level: 407  
 Water Temperature:

**Air Test \***

1 gpm with drill stem set at 575 feet for 2 hours.  
 Time of recovery 48 hours.  
 Recovery water level 407 feet.  
 Pumping water level    feet.

**Pump Test \***

Depth pump set for test 500 feet.  
8 gpm pump rate with 85 feet of drawdown after 4 hours of pumping.  
 Time of recovery 48 hours.  
 Recovery water level 431 feet.  
 Pumping water level    feet.

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

**Section 8: Remarks**

SOME LOST CIRCULATION. VERY LITTLE WATER FLOW WITH AIR, HAD TO PUMP TEST TO DETERMINE FLOW

**Section 9: Well Log**

**Geologic Source**

300UDFD - PALEOZOIC UNDIFFERENTIATED

From	To	Description
0	115	SAND, GRAVEL, COBBLES & LARGE BOULDERS - CLAYBOUND
115	120	SOFT YELLOW GRAY LIMESTONE
120	154	WEATHERED REDDISH YELLOW LIMESTONE & CLAY
154	158	OLIVE GREEN LIMESTONE
158	250	WEATHERED REDDISH YELLOW LIMESTONE & CLAY
250	262	BLUISH GREEN SHALE & CLAY - SOFT
262	275	REDDISH YELLOW CLAY - SOME ROCK - SOFT
275	310	RED & BROWN LIMESTONE (HARDER) WITH FRACTURED ZONES - NO WATER
310	356	RED & BROWN LIMESTONE - HARD
356	370	SAME - FRACTURED WITH CLAY ZONES
370	420	SOFTER - MORE CLAY
420	435	YELLOW BROWN LIMESTONE - ALTERNATING HARD & SOFT - SOME CLAY
435	445	GREENISH GRAY SHALE & CLAY
445	472	SAME - HARDER - LESS CLAY
472	476	REDDISH BROWN SANDSTONE - HARD, FRACTURED

**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.

<b>Name:</b> WILL HAYES
<b>Company:</b> HAYES DRILLING
<b>License No:</b> WWC-361
<b>Date Completed:</b> 7/12/2016

Site Name: MADDEN, TED & CARA MCNEELY

GWIC Id: 288706

**Additional Lithology Records**

From	To	Description
476	481	GREEN SHALE
481	486	REDDISH BROWN SANDSTONE - HARD
486	502	GREEN SHALE & CLAY
502	506	RED & GRAY SANDSTONE - HARD
506	525	GREEN SHALE - SOME CLAY
525	580	GRAY SHALE & CLAY - SOFT



**Site Name: DOBBS ALISON**  
**GWIC Id: 165154**

**Section 1: Well Owner(s)**

1) DOBBS, ALISON (MAIL)  
 2719 E RIVER RD  
 LIVINGSTON MT 59047 [08/25/1997]

**Section 2: Location**

Township	Range	Section	Quarter Sections
03S	10E	29	SE¼ SW¼ NW¼
County		Geocode	
PARK			
Latitude	Longitude	Geomethod	Datum
45.548559	-110.52439	TRS-SEC	NAD83
Ground Surface Altitude	Ground Surface Method	Datum	Date
Addition	Block	Lot	

**Section 3: Proposed Use of Water**

DOMESTIC (1)

**Section 4: Type of Work**

Drilling Method: ROTARY  
 Status: NEW WELL

**Section 5: Well Completion Date**

Date well completed: Monday, August 25, 1997

**Section 6: Well Construction Details**

**Borehole dimensions**

From	To	Diameter
0	20	8
20	220	6
220	340	5

**Casing**

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	219	6				STEEL
40	340	4				PVC

**Completion (Perf/Screen)**

From	To	Diameter	# of Openings	Size of Openings	Description
260	340	4		3/8	DRILLED HOLES

**Annular Space (Seal/Grout/Packer)**

From	To	Description	Cont. Fed?
0	20	BENTONITE	

**Section 7: Well Test Data**

Total Depth: 340  
 Static Water Level: 258  
 Water Temperature:

**Air Test \***

12 gpm with drill stem set at    feet for 1 hours.  
 Time of recovery    hours.  
 Recovery water level    feet.  
 Pumping water level 330 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**

330MDSN - MADISON GROUP OR LIMESTONE

From	To	Description
0	4	CLAYBOUND GRAVELS & COBBLES
4	12	CLAY
12	78	LARGE BOULDERS & GRAVEL
78	160	INTERMITTANT CLAYBOUND GRAVELS W/LOOSE GRAVELS COBBLES & POOR ARC OCCASSIONAL LARGE BOULDER
160	185	LARGE BOULDERS & GRAVEL W/SOME CLAY
185	197	LOOSE GRAVELS & SAND & SOME CLAY
197	201	HARD LIMESTONE
201	222	LIMESTONE & SOFT CLAY
222	340	LIMESTONE & HARDER COLOR VARIES FROM GRAY TO YELLOW/ORANGE CLAY & HARDNESS VARIES ALSO

**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.

<b>Name:</b>
<b>Company:</b> HAYES DRILLING
<b>License No:</b> WWC-361
<b>Date Completed:</b> 8/25/1997

Site Name: DOBBS ALISON  
 GWIC Id: 174831

**Section 1: Well Owner(s)**

1) DOBBS, ALISON (MAIL)  
 200 DEEP CK RD  
 LIVINGSTON MT 59047 [05/27/1999]

**Section 2: Location**

Township	Range	Section	Quarter Sections
03S	10E	29	SE¼ SE¼ SW¼ NW¼
County		Geocode	

Latitude	Longitude	Geomethod	Datum
45.548096	-110.523718	TRS-SEC	NAD83
Ground Surface Altitude	Ground Surface Method	Datum	Date

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

There are no uses assigned to this well.

**Section 4: Type of Work**

Drilling Method: ROTARY  
 Status: NEW WELL

**Section 5: Well Completion Date**

Date well completed: Thursday, May 27, 1999

**Section 6: Well Construction Details**

**Borehole dimensions**

From	To	Diameter
0	20	8
20	260	6
260	500	5

**Casing**

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-1.5	259	6				STEEL
20	500	4				PVC

**Completion (Perf/Screen)**

From	To	Diameter	# of Openings	Size of Openings	Description
400	420	4			3/8 X 3/8 DRILL
440	480	4			3/8 X 3/8 DRILL

**Annular Space (Seal/Grout/Packer)**

From	To	Description	Cont. Fed?
0	20	BENTONITE	

**Section 7: Well Test Data**

Total Depth: 500  
 Static Water Level: 374  
 Water Temperature:

**Air Test \***

5 gpm with drill stem set at 480 feet for 2 hours.  
 Time of recovery 2 hours.  
 Recovery water level 324 feet.  
 Pumping water level    feet.

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

**Section 8: Remarks**

**Section 9: Well Log**

**Geologic Source**

330MDSN - MADISON GROUP OR LIMESTONE

From	To	Description
0	7	PACKED SANDY CLAY L BROWN
7	15	LOOSE SANDY GRAVELS
15	85	LARGE BOULDERS CLAY BOUND GRAVELS
85	93	RED/BROWN SANDY CLAY SOME GRAVEL
93	191	CLAYBOUND GRAVELS NUMEROUS LARGE BOULDERS SLOW DRILLING
191	196	LIMESTONE YELLOW HARD
196	205	BROKEN LIMESTONE MIXED WITH GRAVELS AND CLAY
205	220	LOST CIRCULATION MOSTLY LIMESTONE
220	234	LIMESTONE WITH BLACK ROCK MIXED IN
234	256	SAME BUT VERY HARD
256	265	YELLOW LIMESTONE HARD
265	278	REDDISH YELLOW LIME SOME CLAY
278	295	RED VERY HARD
295	310	GREEN CLAY AND SOFT LIME
310	390	MIXTURE OF SAME LIMESTONE

**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.

<b>Name:</b>
<b>Company:</b> HAYES DRILLING
<b>License No:</b> WWC-361
<b>Date Completed:</b> 5/27/1999

Site Name: DOBBS ALISON

GWIC Id: 174831

**Additional Lithology Records**

From	To	Description
390	413	HARD LIME MIXTURE OF COLORS AND WATER
413	440	SOFTER MOSTLY GREEN
440	480	HARD GREEN YELLOW AND REDS
480	500	SOFT GREEN LOTS OF CLAY











Site Name: LAMBERT WILBUR  
GWIC Id: 99831

**Section 1: Well Owner(s)**

1) LAMBERT, WILBUR (MAIL)  
HOFFMAN RT  
LIVINGSTON MT 59047 [07/01/1943]

**Section 2: Location**

Township	Range	Section	Quarter Sections
03S	10E	30	NW¼
County		Geocode	
PARK			
Latitude	Longitude	Geomethod	Datum
45.551461	-110.54376	TRS-SEC	NAD83
Ground Surface Altitude	Ground Surface Method	Datum	Date
Addition	Block	Lot	

**Section 3: Proposed Use of Water**

DOMESTIC (1)  
STOCKWATER (2)

**Section 4: Type of Work**

Drilling Method:  
Status: NEW WELL

**Section 5: Well Completion Date**

Date well completed: Thursday, April 1, 1943

**Section 6: Well Construction Details**

There are no borehole dimensions assigned to this well.

**Casing**

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	280	8				

**Completion (Perf/Screen)**

From	To	Diameter	# of Openings	Size of Openings	Description
280	280	8			OPEN BOTTOM *

**Annular Space (Seal/Grout/Packer)**

**Section 7: Well Test Data**

Total Depth: 280  
Static Water Level: 150  
Water Temperature:

**Unknown Test Method \***

Yield 3 gpm.  
Pumping water level    feet.  
Time of recovery    hours.  
Recovery water level    feet.

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

**Section 8: Remarks**

**Section 9: Well Log**

**Geologic Source**

112DRFT - GLACIAL DRIFT  
Lithology Data

There are no lithologic details assigned to this well.

**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.

<b>Name:</b>
<b>Company:</b>
<b>License No: -</b>
<b>Date Completed: 4/1/1943</b>



Site Name: WHITE LESLIE  
GWIC Id: 99838

**Section 1: Well Owner(s)**

1) WHITE, LESLIE (MAIL)  
PO BOX 379  
LIVINGSTON MT 59047 [12/24/1958]

**Section 2: Location**

Township	Range	Section	Quarter	Sections
03S	10E	30		SE¼
County		Geocode		
PARK				
Latitude	Longitude	Geomethod	Datum	
45.544093	-110.533313	TRS-SEC	NAD83	
Ground Surface Altitude	Ground Surface Method	Datum	Date	
Addition	Block	Lot		

**Section 3: Proposed Use of Water**

DOMESTIC (1)  
STOCKWATER (2)

**Section 4: Type of Work**

Drilling Method:  
Status: NEW WELL

**Section 5: Well Completion Date**

Date well completed: Wednesday, December 24, 1958

**Section 6: Well Construction Details**

There are no borehole dimensions assigned to this well.

**Casing**

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	97	6				

**Completion (Perf/Screen)**

From	To	Diameter	# of Openings	Size of Openings	Description
97	97	6			OPEN BOTTOM *

**Annular Space (Seal/Grout/Packer)**

There are no annular space records assigned to this well.

**Section 7: Well Test Data**

Total Depth: 97  
Static Water Level: 50  
Water Temperature:

**Unknown Test Method \***

Yield 10 gpm.  
Pumping water level \_ feet.  
Time of recovery \_ hours.  
Recovery water level \_ feet.

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

**Section 8: Remarks**

**Section 9: Well Log**

**Geologic Source**

112DRFT - GLACIAL DRIFT  
Lithology Data

There are no lithologic details assigned to this well.

**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.

<b>Name:</b>
<b>Company:</b>
<b>License No: -</b>
<b>Date Completed: 12/24/1958</b>







**Site Name: FONDA PETER**  
**GWIC Id: 99832**

**Section 1: Well Owner(s)**

1) FONDA, PETER (MAIL)  
 75 INDIAN HILL RD  
 LIVINGSTON MT 59047 [08/14/2000]  
 2) FONDA, PETER (MAIL)  
 RT 38  
 LIVINGSTON MT 59047 [03/15/1984]

**Section 2: Location**

Township	Range	Section	Quarter Sections	
03S	10E	30	NW¼ NW¼ SE¼ NW¼	
County			Geocode	
PARK				
Latitude	Longitude	Geomethod	Datum	
45.5508	-110.5416	NAV-GPS	NAD27	
Ground Surface Altitude	Ground Surface Method	Datum	Date	
5050			8/14/2000	
Measuring Point Altitude	MP Method	Datum	Date Applies	
5062			8/14/2000 6:00:00 PM	
Addition	Block	Lot		

**Section 3: Proposed Use of Water**

DOMESTIC (1)

**Section 4: Type of Work**

Drilling Method: ROTARY  
 Status: NEW WELL

**Section 5: Well Completion Date**

Date well completed: Thursday, March 15, 1984

**Section 6: Well Construction Details**

There are no borehole dimensions assigned to this well.

**Casing**

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
0	120	6				
120	280	4				

**Completion (Perf/Screen)**

From	To	Diameter	# of Openings	Size of Openings	Description
280	280	4			OPEN BOTTOM *

**Annular Space (Seal/Grout/Packer)**

There are no annular space records assigned to this well.

**Section 7: Well Test Data**

Total Depth: 280  
 Static Water Level: 160  
 Water Temperature:

**Air Test \***

8 gpm with drill stem set at    feet for 2 hours.  
 Time of recovery    hours.  
 Recovery water level    feet.  
 Pumping water level 260 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**

330MDSN - MADISON GROUP OR LIMESTONE

From	To	Description
0	4	CLAY
4	100	BOULDERS AND SAND
100	110	GRAVEL
110	115	BOULDERS
115	128	GRAVEL AND CLAY
128	135	BOULDERS
135	180	LIMESTONE BEDROCK
180	260	HARD LIMESTONE
210	280	LIMESTONE AND CLAY

**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.

<b>Name:</b>
<b>Company:</b> HILLMAN DRILLING
<b>License No:</b> WWC-361
<b>Date Completed:</b> 3/15/1984