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**To:** Mr. Sonny Thornborrow – On Scene Coordinator/COR, Custer Gallatin National Forest

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**From:** Shane Matolyak – Environmental Scientist/Project Manager, Tetra Tech

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**Date:** March 1, 2021

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**Subject:** 2020 Annual Activities Report (Contract GS-00F-168CA/12034318A0012, Order: 12034318F0599)

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## Introduction

The New World Mining District Response and Restoration Project entered a long-term (20-year) operations and maintenance phase in 2012. Activities that will occur during this phase of the project are described in detail in the Long-Term Operations and Maintenance Plan (Tetra Tech, 2020) and are summarized below;

- Annual high flow (June or July) surface water monitoring,
- Annual low flow (September) surface water monitoring,
- Annual groundwater monitoring (July),
- Area-wide reclamation / revegetation monitoring (5-year intervals occurring in 2016, 2021, 2026, and 2031),
- Maintenance and erosion control (as needed),
- Preparation of an annual water resources monitoring report, and
- Preparation of an annual activities report.

Operations and maintenance activities for the 2020 project year are complete. This Annual Activities Report summarizes project activities completed during the year and activities that will occur during the 2021 project year.

## Maintenance and Erosion Control

A damaged gate was observed located on a road above the McLaren Pit. The gate was reported to USFS.

The manhole accessing the McLaren Adit drain field system was excavated and the system inspected in August 2020. Adit drainage was observed to flow freely with no ponding or other indications of obstruction. The manhole was then covered with native soil and reseeded. Photos are included in **Attachment 1** to aid location and excavation of the manhole in the future.

## Repository Sump Drain Field Performance

A passive water disposal system (i.e. drain field) to dispose of water that accumulates in the Selective Source Repository sump was constructed in August 2017. This system eliminates the need for annual pumping and off-site disposal of sump fluid. Details of the system and its construction are provided in the Final Construction Completion Report submitted to USFS in April 2018 (Tetra Tech, 2018a).

Data from a data-logging water level meter installed within the Repository sump shows that water began accumulating in the sump shortly after the drain field was constructed. The water level rose to a depth of 20 inches in January 2018 at which point the water began discharging to the drain field. The water level has remained static through the 2020 monitoring season indicating that the drain field is functioning as designed.

## Water Resources Monitoring

Surface water monitoring activities were completed at the same locations and schedule described in the Long-Term Operations and Maintenance Plan. High flow monitoring occurred in early July and low flow monitoring occurred in late September, as scheduled.

Groundwater monitoring activities were completed at the same locations described in the Long-Term Operations and Maintenance Plan. Wells SBGW-107, -107T, and the Repository sump were monitored in July during the high flow surface water monitoring event, as scheduled.

Surface water and groundwater monitoring will continue in 2021 in accordance with the Long-Term Operations and Maintenance Plan (Tetra Tech, 2020).

## Water Resources Monitoring Report

The final 2020 water resources monitoring report was submitted to USFS in March 2021 (Tetra Tech, 2021). Data presented in the report show that 2020 water quality conditions are similar to previous post-response action conditions and that water quality improvements have been maintained post-response. These data are discussed in greater detail in the annual water resources monitoring report.

## Monitoring Well Abandonment

Fifty-five groundwater monitoring wells and the auxiliary Repository sump access tube were abandoned during August and September 2020. Well abandonment was completed under the supervision of a State of Montana licensed Monitoring Well Constructor and generally consisted of filling the well casings with bentonite and removing the steel well protectors and associated concrete. Records of this work were filed with the Montana Bureau of Mines and Geology's Ground Water Information Center (GWIC). A report summarizing this work is included as **Attachment 2**.

Two monitoring wells (MW-11 and Tracer 2) could not be accessed with a backhoe and therefore the well protectors could not be removed after the wells were plugged. The well protector at Tracer 2 was nearly flush with the ground surface and was buried with native soil and rocks. The well protector at MW-11 has an approximately two-foot stick-up and was left undisturbed.

Monitoring well Tracer 5 is seasonally artesian and located in an area not accessible to motorized equipment. Delivering the quantity of bentonite required to fill the well casing by foot is not practicable or safe due to uneven terrain and the distance between the well and the nearest road. For these reasons the well will be plugged with a water-tight mechanical packer and buried with native soil and rock during the 2021 field season.

### *Miller Creek Wells*

A network of 13 wells and a series of PVC piping and valves were discovered near Miller Creek during well abandonment activities in 2020. The wells and piping are located on property that was transferred from private ownership to the USFS in 2009 and are not part of the New World Mining District Response and Restoration Project. The wells are not listed in GWIC and no information regarding their construction or purpose was found during conversations with people involved with the New World project (Alan Kirk and Mark Pearson with Tetra Tech, Mary Beth Marks with USFS) or DEQ's Hard Rock Mining Bureau (Wayne Jepson).

**Attachment 3** provides email correspondence, a site sketch, and photographs documenting these wells, piping, and valves.

### **Additional and Upcoming Work**

Work in 2021 will consist of the tasks described in the Long-Term Operations and Maintenance Plan (Tetra Tech, 2020) which includes water resources monitoring, reclamation / revegetation monitoring, and reporting. Additional tasks will include plugging monitoring well Tracer 5 as discussed above and, if requested by USFS, work to address the monitoring well and piping network found near Miller Creek.

### **References**

Tetra Tech. 2020. Long-Term Operations and Maintenance Plan. New World Mining District Response and Restoration Project. April.

Tetra Tech. 2018a. Construction Completion Report. New World Repository Sump Drain Field. April.

Tetra Tech. 2021. 2020 Surface Water and Groundwater Monitoring Report. New World Mining District Response and Restoration Project. March.

## **Attachment 1**

### **McLaren Adit Drain System Access Photos**



Photo 1. View of McLaren Adit drain access manhole and PVC cleanout pipe from above. Manhole is west (downhill) of PVC cleanout and approximately 36 inches below ground surface.



Photo 2. Top of McLaren Adit drain system access manhole (covered with fabric).



Photo 3. Top of McLaren Adit drain system access manhole (fabric removed).



Photo 4. Interior of drain system vault with manhole cover removed.

## **Attachment 2**

### **Monitoring Well Abandonment Documentation**



December 3, 2020

Mr. Sonny Thornborrow  
Assistant Regional Environmental Engineer, USFS  
1820 Meadowlark Lane  
Butte, MT 59701

**SUBJECT: Monitoring Well Abandonment Report  
US Forest Service  
Tetra Tech Project No. 114-710324D.800**

Dear Mr. Thornborrow:

Tetra Tech, Inc. (Tetra Tech) abandoned 55 monitoring wells (Table 1) from August 3 through September 1, 2020 associated with the New World Mining project in Park County, Montana. The well locations are shown on a figure included as Attachment A. These wells were abandoned according to Administrative Rules of Montana (ARM) 36.21.810. The abandonment procedure for each well was to measure the depth of the well, fill the well with bentonite coated pellets to a depth above the top of the well screen, and then fill the remaining well casing to the surface with bentonite chips. If there was water in the casing above the coated bentonite pellets, then this was pumped out of the casing before filling with bentonite chips.

The monitoring well's surface completion consisting of steel and concrete pad were removed with a backhoe and hauled offsite for disposal. The well casing was cut off at three feet below ground and removed. The remaining hole was filled with native soil to grade. Two wells (Tracer 2 and MW-11) were plugged as described however these wells were inaccessible to the backhoe and therefore the steel well protectors were left in place. The flush-mount well protector at Tracer 2 was buried with rocks and native soil.

This well abandonment was overseen by Paul Lemire, Montana-licensed monitor well constructor (License #404). The well abandonment forms are included in Attachment B and have been filed with the Montana Bureau of Mines and Geology (MBMG) Ground-Water Information Center (GWIC), Butte, Montana.

Sincerely,

**Tetra Tech, Inc.**

A handwritten signature in blue ink, appearing to read 'Paul E. Lemire'.

Paul E. Lemire  
Project Scientist



Table 1

Attachment A: Monitor Well Location Map

Attachment B: MBMG GWIC Well Abandonment Forms

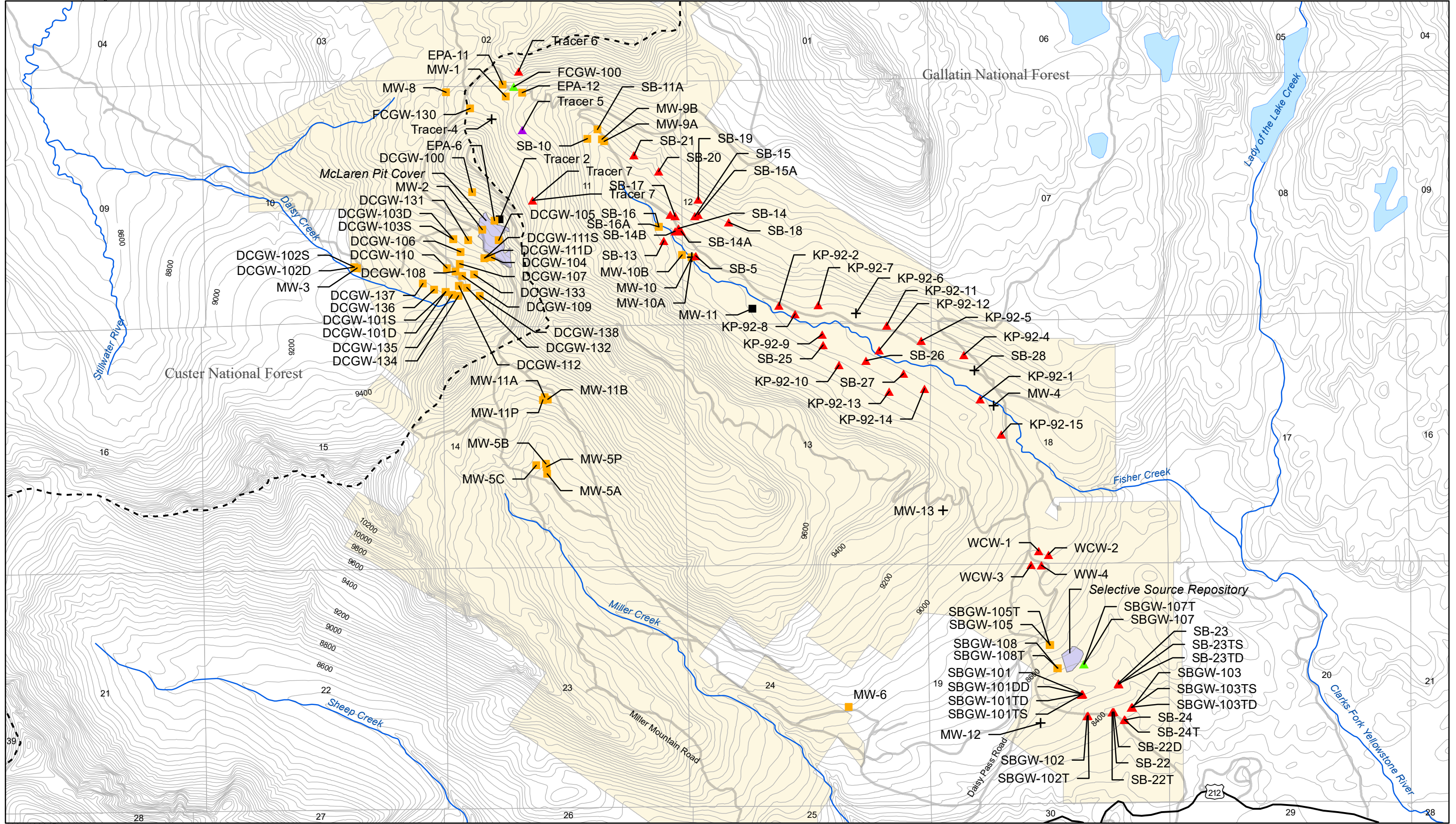
## TABLE 1

**TABLE 1**  
**Monitor Well Abandonment List**  
**US Forest Service**  
**New World Response and Restoration**

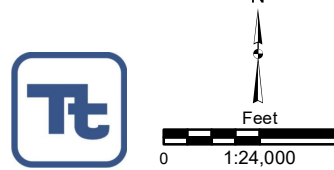
Well Identification			Plugging Abandonment Date	Surface Completion Abandonment Date
DCGW	100		8/3/2020	8/27/2020
DCGW	101	S	8/3/2020	8/26/2020
DCGW	101	D	8/3/2020	8/26/2020
DCGW	102	S	8/3/2020	8/26/2020
DCGW	102	D	8/3/2020	8/26/2020
DCGW	103	S	8/3/2020	8/25/2020
DCGW	103	D	8/3/2020	8/25/2020
DCGW	104		8/5/2020	8/27/2020
DCGW	105		8/5/2020	8/27/2020
DCGW	106		8/3/2020	8/25/2020
DCGW	107		8/3/2020	8/26/2020
DCGW	108		8/3/2020	8/26/2020
DCGW	109		8/3/2020	8/26/2020
DCGW	110		8/3/2020	8/26/2020
DCGW	111	S	8/5/2020	9/1/2020
DCGW	111	D	8/5/2020	9/1/2020
DCGW	112		8/3/2020	8/26/2020
DCGW	131		8/3/2020	8/26/2020
DCGW	132		8/3/2020	8/26/2020
DCGW	133		8/3/2020	8/26/2020
DCGW	134		8/3/2020	8/26/2020
DCGW	135		8/3/2020	8/26/2020
DCGW	136		8/3/2020	8/26/2020
DCGW	137		8/3/2020	8/26/2020
DCGW	138		8/3/2020	8/26/2020
EPA	6		8/13/2020	8/26/2020
EPA	11		8/6/2020	8/25/2020
EPA	12		8/6/2020	8/25/2020
FCGW	130		8/6/2020	8/25/2020
MW	1		8/6/2020	8/25/2020
MW	2		8/4/2020	8/27/2020
MW	3		8/3/2020	8/26/2020
MW	5	A	8/5/2020	9/1/2020
MW	5	B	8/5/2020	9/1/2020
MW	5	C	8/5/2020	9/1/2020
MW	5	P	8/5/2020	9/1/2020
MW	6		8/6/2020	9/1/2020
MW	8		8/5/2020	8/25/2020
MW	9	A	8/4/2020	8/25/2020
MW	9	B	8/4/2020	8/25/2020
MW	10	A	8/4/2020	8/25/2020
MW	10	B	8/4/2020	8/25/2020
MW	11	A	8/5/2020	9/1/2020
MW	11	B	8/5/2020	9/1/2020
MW	11	P	8/5/2020	9/1/2020
MW	11		8/5/2020	no access, not completed
SB	10		8/4/2020	8/25/2020
SB	11	A	8/4/2020	8/25/2020
SB	16	A	8/4/2020	8/25/2020
SB	16		8/4/2020	8/25/2020
SBGW	105		8/5/2020	8/25/2020
SBGW	105	T	8/5/2020	8/25/2020
SBGW	108		8/5/2020	8/25/2020
SBGW	108	T	8/5/2020	8/25/2020
TRACER	2		8/4/2020	no access, not completed



**ATTACHMENT A**  
MONITOR WELL LOCATION MAP



114-710324D  
10/6/2020



- ▲ Abandoned in 2006
- Abandoned in 2020
- ▲ In Use. Not abandoned
- ▲ No access. To be plugged with mechanical packer and buried.
- + Could not be located
- Plugged in 2020. Not removed due to no equipment access.

- - - Forest Boundary
- District Boundary
- Highway 212
- Roads

**Monitoring Wells Abandoned  
New World Mining District  
Response and Restoration Project  
Cooke City Area, Montana  
Figure A1**



## **ATTACHMENT B**

### **MBMG GWIC WELL ABANDONMENT FORMS**

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** None
2. **WELL OWNER:** DCGW 100  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
Cooke City, Montana
3. **WELL LOCATION:** List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SE 1/4 SE 1/4, Section 10  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 235 ft.  
 Static water level 91.6 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	80	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
80	235	<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/3/2020
10. **REMARKS:** Removed well protector and surface concrete

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MT  
 Signature Paul Spive  
 Date 11/18/2020 License no. 404  
 License type:  MWC  WWC  WWD
- This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-101.5  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
Cooke City, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SE ¼ SE ¼, Section 10  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 12 ft.  
 Static water level 4.9 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>4</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
<u>4</u>	<u>12</u>	<u>Bentonite pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/3/2020

10. **REMARKS:** Removed well protector and surface concrete

11. **DRILLER/CONTRACTOR:**

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

Name, firm, or corporation (print) TETRA TECH

Address Billings, MT

Signature Rud Jund

Date 11/18/2020 License no. 404

License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:

Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-101D  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
Cooke City, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SE ¼ SE ¼, Section 10  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 25 ft.  
 Static water level 3.3 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
0	1	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
1	3	<input type="checkbox"/> High-solids Bentonite Grout
		<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
3	25	<u>Bentonite pellets coated</u>

9. **DATE WELL DECOMMISSIONED:** 8/3/2020

10. **REMARKS:** Removed well  
protector and surface  
concrete

11. **DRILLER/CONTRACTOR:**

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

Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MT  
 Signature Pat Jones  
 Date 11/18/2020 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:

Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE  
DC 6W-102 5'
2. **WELL OWNER:**  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SE ¼, Section 10  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 29 ft.  
 Static water level 0 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
		<input checked="" type="checkbox"/> Bentonite Chips
<u>1</u>	<u>29</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/3/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**

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

Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul June  
 Date 11/18/2020 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:

Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE  
DCGW-102 D
2. **WELL OWNER:**  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SE ¼, Section 10  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 55 ft.  
 Static water level 2.3 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>30</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>30</u>	<u>55</u>	<input checked="" type="checkbox"/> Other (describe under remarks) <u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** \_\_\_\_\_
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature [Signature]  
 Date 11/18/2020 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-1035  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKS CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SW ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 30 ft.  
 Static water level -1 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>20</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
<u>20</u>	<u>30</u>	<u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/3/2020
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature [Signature]  
 Date 11/18/2020 License no. 404  
 License type:  MWC  WWC  WWD
- This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE  
DCGW-103D
2. **WELL OWNER:**  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKS CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SW ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 45 ft.  
 Static water level -1 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>4</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>4</u>	<u>45</u>	<input checked="" type="checkbox"/> Other (describe under remarks) <u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 08/03/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Pat Jones  
 Date 11/18/2020 License no. 404  
 License type:  MWC  WWC  WWD
- This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-104  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SE 1/4 SW 1/4, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 21.5 ft.  
 Static water level 15.4 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	12	<input checked="" type="checkbox"/> Bentonite Chips
12	21.5	<input checked="" type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 08/03/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Pat [unclear]  
 Date 11/18/2020 License no. 404  
 License type:  MWC  WWC  WWD

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Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** None
2. **WELL OWNER:** DC 6W-105  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SE ¼ SW ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 27 ft.  
 Static water level 20.8 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input type="checkbox"/> Neat Cement <u>Native So. l</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	20	<input checked="" type="checkbox"/> Bentonite Chips
20	27	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 08/03/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature [Signature]  
 Date 11/18/2020 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** DCGW-106  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKS CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SW ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 42.5 ft.  
 Static water level -1 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>20</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
<u>20</u>	<u>42.5</u>	<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 08/03/20

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Pat Jones  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-107  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 NW 1/4 SW 1/4, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 23 ft.  
 Static water level 14.8 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>15</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
<u>15</u>	<u>23</u>	<u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 08/03/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul Ford  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DG6W-108  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SW ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 12 ft.  
 Static water level 61 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>12</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 08/03/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature [Signature]  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DC GW-109  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COONE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SW ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 15 ft.  
 Static water level 6.8 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>Nature Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>15</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 08/03/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul Jones  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DC GW-110  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COONE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ SE ¼, Section 10  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 9 ft.  
 Static water level 5.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>9</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 08/03/20

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**

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

Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul Spurl  
 Date 11/20/2020 License no. 404  
 License type:  MWC  WWC  WWD

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Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-1115  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 20 ft.  
 Static water level 5.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>20</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 08/05/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature [Signature]  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-III D  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKS CITY, MT
3. **WELL LOCATION:** List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 NW 1/4 SW 1/4, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 40 ft.  
 Static water level 11.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>20</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
<u>20</u>	<u>40</u>	<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/5/2020
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Pat Jones  
 Date 4/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-112  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COONE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 35 ft.  
 Static water level 5.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>15</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>15</u>	<u>35</u>	<input checked="" type="checkbox"/> Other (describe under remarks) <u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/26/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul E. [unclear]  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-131  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKS CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 20 ft.  
 Static water level 4.0 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>15</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>15</u>	<u>20</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/3/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature [Signature]  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-132  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 10 ft.  
 Static water level 4.2 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement - <u>Nature Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>10</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/3/2020
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul Yane  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE  
DCGW-133
2. **WELL OWNER:**  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKS CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 9 ft.  
 Static water level 2.6 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>9</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/3/2020
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature [Signature]  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCGW-134  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKS CITY, MT
3. **WELL LOCATION:** List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SW 1/4 SW 1/4, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 9.5 ft.  
 Static water level 2.4 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	9.5	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/3/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**

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

Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature [Signature]  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DC GW -135  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SW 1/4 SW 1/4, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 7.5 ft.  
 Static water level 1.9 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>7.5</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/3/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul E June  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE  
DC GW-136
2. **WELL OWNER:**  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COONE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SE ¼ SE ¼, Section 10  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 9.5 ft.  
 Static water level 2.4 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>9.5</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/3/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Pat Ford  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD
- This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** DCCGW-137  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SE 1/4 SE 1/4, Section 10  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 15.5 ft.  
 Static water level 2.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<del>Neat Cement</del> <u>Native Soil</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	5	<input checked="" type="checkbox"/> Bentonite Chips
5	15.5	<input checked="" type="checkbox"/> Other (describe under remarks) <u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/3/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul Spivey  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE  
DCGW-138
2. **WELL OWNER:**  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 19.5 ft.  
 Static water level 3.7 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input type="checkbox"/> Neat Cement- <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	8	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
8	19.5	<u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/3/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** EPA 6  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 157 ft.  
 Static water level 11.8 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

**8. WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>85</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
<u>85</u>	<u>157</u>	<u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/13/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD  
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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE  
EPA-11
2. **WELL OWNER:**  
 Name U S FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ NW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 151 ft.  
 Static water level 16.1 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement- <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>43</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>43</u>	<u>151</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/6/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD  
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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** EPA-12  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ NW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 151 ft.  
 Static water level -1.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

**8. WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>110</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
<u>110</u>	<u>151</u>	<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/6/20

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** None

2. **WELL OWNER:** PCGW-130  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ NW ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 9 ft.  
 Static water level 7.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>9</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/6/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** MW-1  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ NW ¼, Section 11  
 Township 9N/S Range 14E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 105 ft.  
 Static water level 6.3 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>70</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>70</u>	<u>105</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite Coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** \_\_\_\_\_

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD  
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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: NONE

2. WELL OWNER: MW-2  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. WELL LOCATION: List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ SW ¼, Section 11  
 Township 9 N/S Range 4 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 60 ft.  
 Static water level 8.8 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>30</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>30</u>	<u>60</u>	<input checked="" type="checkbox"/> Other (describe under remarks) <u>Bentonite coated pellets</u>

9. DATE WELL DECOMMISSIONED: 8/4/20

10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Jensen  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** MW-3  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SE ¼, Section 10  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 46 ft.  
 Static water level 1.4 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>28</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>28</u>	<u>46</u>	<input checked="" type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/3/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD  
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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** MW-5A  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ SW ¼, Section 14  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 30 ft.  
 Static water level 21.8 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>22</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>22</u>	<u>30</u>	<input checked="" type="checkbox"/> Other (describe under remarks) <u>Bentonite Coated Pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/5/20

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD  
 This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** MW-SB  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ SW ¼, Section 14  
 Township 7 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 93 ft.  
 Static water level 29.7 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	55	<input checked="" type="checkbox"/> Bentonite Chips
55	93	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite Coated Pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/5/20

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** MW-SC  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ SW ¼, Section 14  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 113 ft.  
 Static water level 34.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	72	<input checked="" type="checkbox"/> Bentonite Chips
72	113	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite Coated Pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/5/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Jensen  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** MW-SP  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ SW ¼, Section 14  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 93 ft.  
 Static water level 24.7 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>25</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>25</u>	<u>93</u>	<input checked="" type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/5/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE
11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD
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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** MW-6  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SE ¼, Section 24  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 42 ft.  
 Static water level 31.0 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	15	<input checked="" type="checkbox"/> Bentonite Chips
15	42	<input checked="" type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/6/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Jensen  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:

Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: NONE

2. WELL OWNER: MW-8  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. WELL LOCATION: List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 NE 1/4 NE 1/4, Section 10  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 39 ft.  
 Static water level 7.2 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>15</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>15</u>	<u>39</u>	<input checked="" type="checkbox"/> Other (describe under remarks)

9. DATE WELL DECOMMISSIONED: 8/5/2020

10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Jensen  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD  
 This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** MW-9A  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ NE ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 19 ft.  
 Static water level 4.8 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

**8. WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement- <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>19</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/4/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** 130283

2. **WELL OWNER:** MW-9B  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ NE ¼, Section 11  
 Township 7 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 58 ft.  
 Static water level -1 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>37</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>37</u>	<u>58</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite Coated Pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/4/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Jensen  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE
2. **WELL OWNER:** MW-10A  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SW ¼, Section 12  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 7.0 ft.  
 Static water level 2.0 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement- <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>7</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/4/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** 130 292
2. **WELL OWNER:** MW-10B  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SW ¼ SW ¼, Section 12  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 28 ft.  
 Static water level -2 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
0	1	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
1	10	<input checked="" type="checkbox"/> Bentonite Chips
10	28	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite Coated Pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/4/20
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul [unclear]  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: NONE
2. WELL OWNER: MW-11  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. WELL LOCATION: List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ NW ¼, Section 14  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 18.5 ft.  
 Static water level 7.1 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat-Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>18.5</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. DATE WELL DECOMMISSIONED: 8/5/20
10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE REMAIN IN  
PLACE; NOT ABLE TO REMOVE
11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD
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 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: NONE

2. WELL OWNER: MW-11A  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. WELL LOCATION: List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ NW ¼, Section 14  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 260 ft.  
 Static water level 5.4 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>100</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>100</u>	<u>260</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite Coated pellets</u>

9. DATE WELL DECOMMISSIONED: 8/5/20

10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: NONE

2. WELL OWNER: MW-11B  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. WELL LOCATION: List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ NW ¼, Section 14  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 242 ft.  
 Static water level 47 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement- <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>90</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>90</u>	<u>242</u>	<input checked="" type="checkbox"/> Other (describe under remarks) <u>Bentonite Coated Pellets</u>

9. DATE WELL DECOMMISSIONED: 8/5/20

10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** MW-11P  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ NW ¼, Section 14  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 4 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 245 ft.  
 Static water level 45 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>100</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>100</u>	<u>245</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite Coated Pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/5/20

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD  
 This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE  
SB-10

2. **WELL OWNER:**  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ NE ¼, Section 11  
 Township 9 N/S Range 14 E/W County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 21 ft.  
 Static water level 0 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>8</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>8</u>	<u>21</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/4/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: NONE

2. WELL OWNER: SB-11A  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. WELL LOCATION: List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ NE ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 11 ft.  
 Static water level 4.2 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>11</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. DATE WELL DECOMMISSIONED: 8/4/2020

10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. DRILLER/CONTRACTOR:

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

Name, firm, or corporation (print) TETRA TECH

Address BILLINGS MONTANA

Signature Paul Johnson

Date 11/20/20 License no. 404

License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:

Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: NONE

2. WELL OWNER: SB-16  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. WELL LOCATION: List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NE ¼ SE ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 51 ft.  
 Static water level 7.5 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>21</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>21</u>	<u>51</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite coated pellets</u>

9. DATE WELL DECOMMISSIONED: 8/4/2020

10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul Johnson  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: NONE

2. WELL OWNER: SB-16A  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. WELL LOCATION: List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 NE 1/4 SE 1/4, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 12 ft.  
 Static water level 1.4 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>12</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. DATE WELL DECOMMISSIONED: 8/4/2020

10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE  
CONCRETE

11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS MONTANA  
 Signature Paul A. Jones  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** 280824
2. **WELL OWNER:** SBGW 105  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SE ¼ NW ¼, Section 19  
 Township 9 N Range 15 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 34 ft.  
 Static water level 5.3 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

**8. WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>15</u>	<input checked="" type="checkbox"/> Bentonite Chips
<u>15</u>	<u>34</u>	<input checked="" type="checkbox"/> Other (describe under remarks)
		<u>Bentonite coated pellets</u>

9. **DATE WELL DECOMMISSIONED:** 8/5/2020
10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE CASING

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Rud Yuma  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD
- This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: 280828
2. WELL OWNER: SBGW 10ST  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT
3. WELL LOCATION: List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SE ¼ NW ¼, Section 19  
 Township 9 N Range 15 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84
4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_
5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_
6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 15 ft.  
 Static water level 7.2 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>15</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. DATE WELL DECOMMISSIONED: 8/5/2020
10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE CASING

11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul Gunn  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mtech.edu](mailto:GWIC@mtech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. EXISTING GWICID: 280908

2. WELL OWNER: SBGW 108  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. WELL LOCATION: List 1/4 from smallest to largest  
 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SE 1/4 NW 1/4, Section 19  
 Township 9 N Range 15 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. WELL USE:  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. TYPE OF WELL BEING ABANDONDED:  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. TYPE OF CASING:  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. WELL DATA:  
 Depth of well: 31 ft.  
 Static water level 11.6 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. WELL LOG: Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
<u>0</u>	<u>1</u>	<input checked="" type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
<u>1</u>	<u>10</u>	<input type="checkbox"/> High-solids Bentonite Grout
		<input checked="" type="checkbox"/> Bentonite Chips
<u>10</u>	<u>31</u>	<input checked="" type="checkbox"/> Other (describe under remarks) <u>Bentonite Coated Pellets</u>

9. DATE WELL DECOMMISSIONED: 8/5/2020

10. REMARKS: REMOVED WELL  
PROTECTOR AND SURFACE CASING

11. DRILLER/CONTRACTOR:  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul Yano  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

This report can be emailed to [GWIC@mttech.edu](mailto:GWIC@mttech.edu), faxed to the GWIC office at (406) 496-4343, or sent to:  
 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** 280 826

2. **WELL OWNER:** SBGW 108T  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MT

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ SE ¼ NW ¼, Section 19  
 Township 9 N Range 15 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 13 ft.  
 Static water level 11.6 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material
From	To	type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
<u>0</u>	<u>1</u>	<input type="checkbox"/> Neat Cement <u>NATIVE SOIL</u>
		<input type="checkbox"/> High-solids Bentonite Grout
<u>1</u>	<u>13</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Other (describe under remarks)

9. **DATE WELL DECOMMISSIONED:** 8/5/2020

10. **REMARKS:** REMOVED WELL  
PROTECTOR AND SURFACE CASING

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address BILLINGS, MONTANA  
 Signature Paul Yuma  
 Date 11/20/20 License no. 404  
 License type:  MWC  WWC  WWD

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 Ground Water Information Center  
 1300 W. Park St.  
 Butte, MT 59701-8997

# MONTANA WELL ABANDONMENT REPORT

1. **EXISTING GWICID:** NONE

2. **WELL OWNER:** TRACER-2  
 Name US FOREST SERVICE  
 Mailing address \_\_\_\_\_  
COOKE CITY, MONTANA

3. **WELL LOCATION:** List ¼ from smallest to largest  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ NW ¼ SW ¼, Section 11  
 Township 9 N Range 14 E County PARK  
 Lot \_\_\_\_\_, Tract/Blk \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
 Well Address \_\_\_\_\_  
 GPS  Yes  No  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Error as reported by GPS locator (+ feet) \_\_\_\_\_  
 Horizontal datum  NAD27  WGS84

4. **WELL USE:**  Domestic  Stock  Irrigation  
 Public water supply  Monitoring Well  
 Geothermal  Closed System  Open System  
 Reinjection  Extraction  Other: \_\_\_\_\_

5. **TYPE OF WELL BEING ABANDONDED:**  
 Drilled  Bored  Jetted  Hand Dug  Other: \_\_\_\_\_

6. **TYPE OF CASING:**  
 Steel Dia. \_\_\_\_\_ in.  
 Plastic Dia. 2 in.  
 Concrete Dia. \_\_\_\_\_ in.  
 Other Dia. \_\_\_\_\_ in.  
 If other, type: \_\_\_\_\_  
 Was any casing removed?  yes  no  
 If yes, type (steel, pvc, etc.) \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 If more than one type: \_\_\_\_\_  
 Amount removed \_\_\_\_\_ ft.  
 Was casing driven down ward?  yes  no  
 If yes, feet below ground surface \_\_\_\_\_ ft.  
 Was casing Ripped or Perforated?  yes  no

7. **WELL DATA:**  
 Depth of well: 129 ft.  
 Static water level 26 ft.  
 Closed-in artesian pressure \_\_\_\_\_ psi.  
 Was well disinfected before decommissioning?  yes  no  
 If yes, type and amount of disinfectant used: \_\_\_\_\_

8. **WELL LOG:** Record sealing material used and depth(s)

Depth, Feet		Material type of material used to seal well (example: neat cement, bentonite chips, naturally occurring soils).
From	To	
		<input type="checkbox"/> Neat Cement
		<input type="checkbox"/> High-solids Bentonite Grout
<u>0</u>	<u>25</u>	<input checked="" type="checkbox"/> Bentonite Chips
		<input checked="" type="checkbox"/> Other (describe under remarks)
<u>25</u>	<u>129</u>	<u>coated bentonite pellets</u>

9. **DATE WELL DECOMMISSIONED:** 08/04/2020

10. **REMARKS:** FLUSH-MOUNT WELL  
PROTECTOR NOT REMOVED;  
BURIED WITH ROCKS

11. **DRILLER/CONTRACTOR:**  
 All work performed and reported in this decommissioning log is in compliance with the Montana well abandonment standards. This report is true to the best of my knowledge.  
 Name, firm, or corporation (print) TETRA TECH  
 Address Billings MT  
 Signature Pal Jones  
 Date 11/20/2020 License no. 404  
 License type:  MWC  WWC  WWD

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## **Attachment 3**

### **Miller Creek Well Network Documentation**

## Matolyak, Shane

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**From:** Matolyak, Shane  
**Sent:** Thursday, September 24, 2020 12:38 PM  
**To:** Thornborrow, Sonny -FS  
**Subject:** New World Miller Ck well recon  
**Attachments:** Miller Wells site sketch.pdf; Photos.docx

Hi Sonny,

Sorry to get so wordy in an email but I thought you would want this documented in writing. We may have a real mystery on our hands with those wells near Miller Creek. Here's what we found (refer to attached site sketch);

- Ten 4-inch diameter PVC wells labelled "IPM-1, IPM-2, etc." with total depths between 10 and 20 feet and about half their length screened.
- Two 2-inch diameter PVC wells that enter a the ground at a shallow angle and were probably installed with a horizontal drill rig. We couldn't get depths on these.
- One 2-inch diameter well that appeared to have a broken casing or blockage as we could only lower our tape measure 3.5 feet into it.
- Three 24-inch manholes. One of these we couldn't open but I think a shovel and large crowbar will do the job next time we're there. The other two had a series of PVC pipes, flow restrictors, and valves inside (see photos). Each of those two was flanked by a pair of 8-inch diameter PVC pipes that enclosed a 2-inch PVC junction/elbow. We couldn't determine where the pipes went once they left their enclosures.
- Here's the kicker – one of the many keys I have for the New World project (Master Lock #3212) opened about half of the wells. Jim Maus recently learned that Master Lock only has 32 different keys so there's a 1/32 chance that this was just a coincidence.

I found no records of any of this in our New World files or on GWIC. Neither Allan Kirk or Mark Pearson know anything about the wells/valves and those guys were involved with the project since the very start. The number and density of the wells seems similar to what one would see at a hydrocarbon mitigation site but you would typically use 2-inch wells for that and the PVC valves are suited to conveying liquid and not air like you would have at a mitigation site (i.e. flow restrictors and an option to "flush").

You might want to forward this on to Mary Beth in case she has any insights. My next move would be to call DEQ and Park County but I'll wait for your go-ahead on that as this might be a can of worms and maybe not within scope for New World – although I'm more than happy to work on it and we have the budget.

Abandoning the wells would be straightforward but ripping out the PVC pipelines without knowing what they're connected to is a little daunting.

Thanks,  
Shane

**Shane Matolyak** | Environmental Scientist  
Office: 406.582.8780 | Cell: 406.581.3027 | Fax: 406.582.8790  
[shane.matolyak@tetrattech.com](mailto:shane.matolyak@tetrattech.com)

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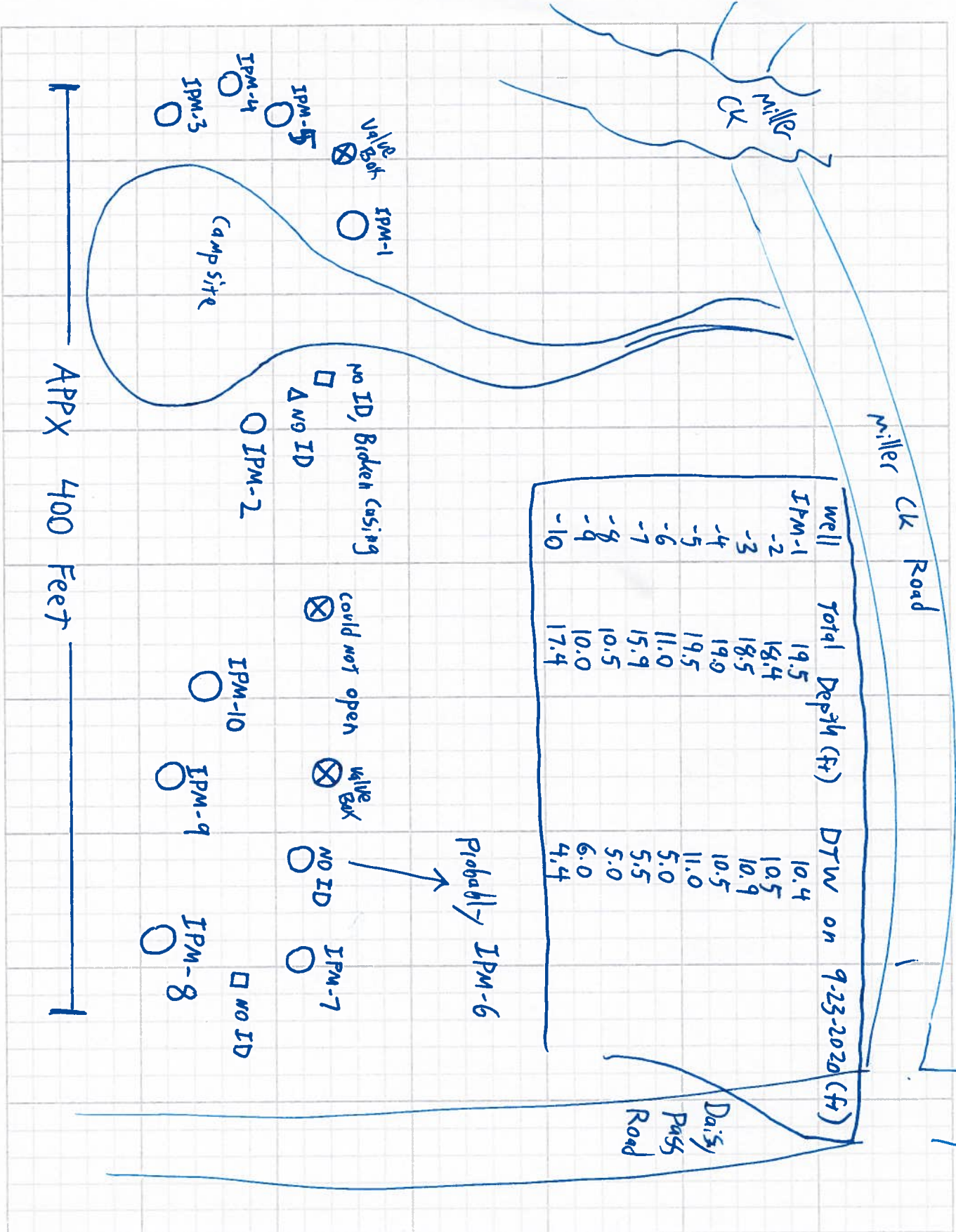


○ = 4" Diam. well

□ = 2" Diam. Horizontal well

⊗ = Mandrel well

△ = 2" Diam. well





Eastern valve box



Inside of western valve box



Close up inside western valve box



IPM-4 lid with well details



IPM-1 with western valve box in background.

## Matolyak, Shane

---

**From:** Jepson, Wayne <wjepson@mt.gov>  
**Sent:** Thursday, November 12, 2020 2:35 PM  
**To:** Matolyak, Shane  
**Subject:** RE: Any knowledge of these wells?

**⚠ CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

That is quite a mystery. I tried to find the location on Cadastral, but couldn't find a "Cottage Claim". Do have a lat/long for the site?

Depending on where it is, the only theory I would have is that after Noranda's mining plans were terminated, one of the private land owners (Margaret Mead?) had been considering the possibility of sinking a shaft from her claim into the Miller Creek ore body via a Small Miners Exclusion. She, or her heirs, eventually sold the claim to USFS. This might be a test dewatering / re-injection system associated with the Miller Creek deposit, either associated with those SMES plans or something Noranda was working on. Just a wild guess though.

Wayne

---

**From:** Matolyak, Shane <Shane.Matolyak@tetrattech.com>  
**Sent:** Thursday, November 12, 2020 11:04 AM  
**To:** Jepson, Wayne <wjepson@mt.gov>  
**Subject:** [EXTERNAL] Any knowledge of these wells?

Hi Wayne,

I wonder if you can help me out with a mystery I'm working on for the USFS, or point me to someone who can.

We abandoned most of the monitoring wells at the New World Mine reclamation site this summer. While doing so we found a field of about 12 densely spaced monitoring wells and some buried PVC pipelines/valves that are not in our records for the New World project. This property was a privately held mining claim that transferred to the USFS around 2010 and we suspect the wells were installed prior to the transfer. The wells are not in GWIC and no one with historic knowledge of the site (Peter Werner, Mary Beth Marks, Allan Kirk) knows anything about them.

The attachments summarize everything we do know and wells are on the Cottage Claim (T9S, R14E, Sec 23). There are notes that a "millsite" was present to the south of the wells but there are no traces of it today.

We want to remove the wells and pipelines but are hesitant until we can find out what their purpose is/was. The pipelines are particularly concerning since we don't know what they connect to.

Do you have any thoughts on this?

Thanks,  
Shane

**Shane Matolyak** | Environmental Scientist  
Office: 406.582.8780 | Cell: 406.581.3027 | Fax: 406.582.8790  
[shane.matolyak@tetrattech.com](mailto:shane.matolyak@tetrattech.com)

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