

BLM-029

**2016 Battle Mountain, Diamond Valley, Basin 153
PUBLIC WATER RESERVES**

PWR #	Township	Range	Section	Reference Point	Datum	UTM X	UTM Y	Elevation (feet)	Date & Time	Flow (GPM)	Temperature	pH	micro Slem	TDS (ppm)	Salinity (ppt)	Comments			
R04232	18N	53E	1	115	Nad83	590323	4367848	7454	4/12/2016 9:06	1.5	7.3	8.36	505	358	230	Large meadow area with multiple spring expressions, 0.18 acres of riparian habitat			
R04233	18N	54E	6	115	Nad83	591280	4368042	7230	4/12/2016 11:00	11	6.2	8.04	429	305	193	Spring Complex, at least 3 springs expressions, all flow into a stockpond. There is a trough but it is nonfunctional.			
R04234	18N	54E	6	115	Nad83	591094	4368210	7265	4/12/2016 10:30	1.25	7.5	8.19	390	275	175	Single spring expression, may have been developed at one-time, pipe at the head but no trough or downstream development			
R04235	19N	53E	36	115	Nad83	589260	4369131	7080	4/12/2016 7:55	1.5	9.5	7.99	711	505	333	Water coming directly out of rock face			
R04236	19N	54E	2	115	NAD83	597299	4377569	7304	5/13/2016 10:06	18	10.6	8.4	438	311	231	Large spring complex with 4-5 seeps and 2 meadows, all leading to a intermittent stream. Several troughs, one functional and one no longer functioning.			
R04237	19N	54E	14	115	Nad83	597419	4374282	7124	4/13/2016 8:45	1.75	9.6	8.08	107.2	76.2	49.2	Spring expresses from small rock outcrop in drainage, then flows ~200 feet to meadow. Meadow is heavily utilized by livestock. Spring maybe part of a larger complex, expresses from side of a channel.			
R04238	19N	54E	14	115	Nad83	597401	4374426	7124	4/13/2016 10:20	1.25	11.6	8.52	236	168	109	Spring expresses from small rock outcrop in drainage, then flows ~200 feet to meadow. Meadow is heavily utilized by livestock. Spring maybe part of a larger complex, expresses from side of a channel.			
R04239	19N	54E	15	115	Nad83	596715	4374864	6867	4/13/2016 8:00	6	7.5	8.12	131.8	93	57.5	Possible spring complex, several spring expressions flowing into large meadow, flow channelizes in several spots			
R04240	19N	54E	20	115	Nad83	593348	4372537	7221	4/12/2016 15:30	0.36	15	7.31	178.5	126	84	Spring expression leads to a spring brook which flows into a stockpond. Stockpond is empty. Old trough nearby is nonfunctional.			
R04241									No data										
R04242	19N	54E	21	115	Nad83	593888	4372301	7104	4/12/2016 14:23	<0.05	NA	NA	NA	NA	NA	Flow too low to measure, ocular estimate			
R04243	19N	54E	22	115	Nad83	596959	4373014	7110	4/13/2016 11:23	2.5	12	8.02	160.5	114	74.4	Spring supports a large meadow			
R04244	19N	54E	22	115	Nad83	597663	4372923	7193	4/13/2016 12:01	1.25	14	8.28	186	133	84.5	Spring is incised within a meadow			
R04245	19N	54E	29	115	Nad83	592686	4371955	7353	4/12/2016 13:22	0.78	8.4	7.66	238	169	108	Spring expresses from a topographic break			
R04246	19N	54E	29	115	Nad83	593877	4371979	7145	4/12/2016 16:56	12.5	7.1	8.15	470	334	214	developed spring with a stock pond			
R04247	19N	54E	30	115	Nad83	591233	4370783	6880	4/12/2016 12:00	0.078	8.2	7.96	434	305	199	Developed spring, range improvement is nonfunctional, possible loss of water at site			
R04248	19N	54E	30	115	Nad83	592129	4371563	7163	4/12/2016 13:00	< 0.5	10.5	7.37	117	83.8	54.5	Flow too low to measure, ocular estimate			
R04249	20N	54E	3	115	NAD83	595884	4387573	6461	5/16/2016 10:45	3	11.6	8.34	448	318	239	Spring head is fenced for about 50 meters, riparian vegetation is developed within fence.			
R04250	20N	54E	12	115	NAD83	599050	4385347	7329	5/16/2016 12:00	2	10.4	7.53	176.3	125	91.8	3 meadows lead to a piped trough which then leads to an overflow stream.			
R04251	20N	54E	13	115	NAD83	599971	4384153	7728	5/16/2016 13:09	12	7.2	7.41	203	155	109	Spring expresses from a rock outcropping and forms a small stream, which flows into a larger tributary, there is lush riparian and small meadows flanking the streambed. There is also a trough which catches some of the spring flow.			
R04252	20N	54E	13	115	NAD83	599806	4383392	7855	5/16/2016 14:23	47.3	5.4	8.48	435	309	222	4 seeps channelize into a stream which flows into larger streams along a large stand of aspen, willow, and cottonwood trees. Each seep channelizes separately, but ultimately lead to the same intermittent stream.			
R04253	20N	54E	23	115	Nad83	598516	4381929	7469	4/14/2016 9:20	2.35	5	8.61	470	338	213	Spring located in a large aspen stand.			
R04254	20N	54E	24	115	Nad83	598795	4381835	7654	4/14/2016 9:00	2.5	7.3	8.63	308	219	139	Spring flows out of topographic break at bottom of mountain. Feeds into a small meadow and then into a large aspen stand.			
R04255	20N	54E	26	115	Nad83	598097	4379955	7610	5/13/2016 13:00	2.5	9.9	8.01	522	376	278	Large spring and stream heavily populated with willow trees in approximately a 300 foot stand along the stream, banks with a few breaks in the trees. Stream is clear and runs quickly.			
R04256	20N	54E	35	115	Nad83	598002	4378578	7440	5/13/2016 11:30	9.4	18.7	8.36	335	238	817	0.078 Acre meadow. Spring leads to large meadow with sedges and rushes. Connects to second meadow while forming a stream. This meadow has large grasses and forbes with some sign of loafing. The stream leads to a fenced exclusion where water is piped to a trough. In the exclusion there is a small pond (10FT. X 15 Ft). The pipe leads to a trough and overflows into a stream ~150 Feet long.			
R04257	21N	54E	12	115	NAD83	599647	4395593	7618	5/18/2016 10:36	17	9.8	8.3	112.6	80	58.6	Spring head expresses through rocky outcrop before channelizing downhill in a stream.			
R04258	21N	54E	13	115	NAD83	599649	4392998	7580	5/17/2016 10:20	109	7.6	7.85	105	74.2	53	Spring head with several expressions creating a large tributary, stream runs for approximately .5 miles before meeting with runoff stream.			
R04259	21N	54E	25	115	NAD83	597453	4390408	6645	5/17/2016 8:45	3	11.2	8.53	208	144	109	Large meadow complex, several seep expressions creating a stream.			
R04260	22N	54E	1	115	NAD83	599229	4407979	6070	5/17/2016 9:56	>2	9.9	8.7	140	100	64.5	Spring head with intermittent stream above inside an aspen stand.			
R04261	22N	54E	12	115	NAD83	598418	4406758	6427	5/17/2016 10:35	>2	9.8	8.52	163	116	74	Spring is in willow stand, unreachable, but stream below is channelized by cobble rocks. Ocular estimate of flow.			
R04262	22N	54E	25	115	NAD83	599550	4401202	6824	5/17/2016 15:30	10	11.3	8.6	300	219	163	Spring head is pumped to a trough that is no longer functional, water is channelized and runs downhill.			

R04263	22N	55E	7	11S	NAD83	600239	4404780	7086	5/17/2016 11:39	4.7	8	7.2	105	74.6	47.2	Spring near an intermittent stream expresses to form tributary. There is a sheep trough below the spring head at the bottom of the stream.
R04264	22N	55E	7	11S	NAD83	600584	4404957	7202	5/17/2016 12:27	2.5	6.3	7.14	133.5	9.48	5.91	Several springs express throughout, water is present, then returns subsurface downstream, before reemerging later downstream.
R04265	No data															
R04266	No data															
R04267	23N	52E	12	11S	NAD83	580451	4415812	5763	5/18/2016 10:19	0						Nonfunctional trough but no sign of spring box or water present
R04268	23N	53E	12	11S	NAD83	589445	4415690	5755	5/18/2016 12:03	0	20.7	9.56	536	381	258	Spring has low flow.
R04269	23N	53E	16	11S	NAD83	584837	4414837	5754	5/18/2016 13:19	0						Dried out spring now covered by rabbitbrush, some riparian plants now dry and skewed about.
R04270	23N	54E	25	11S	NAD83	599300	4410899	6500	5/17/2016 9:03	>2	8.9	8.4	140	100	63.8	Intermittent stream leads to spring with additional water, makes measurement of flow difficult. Occular flow estimate. Willows surround stream below.
R04271	24N	54E	2	11S	NAD83	597502	4426660	6882	5/18/2016 10:00	240.9	8.6	8.85	113.6	79	53.8	Spring flows next to intermittent runoff stream, developed with a rock based stock pond but pipe flowing to it is no longer functional.
R04272	24N	53E	13	11S	NAD83	598811	4424529	7463	5/17/2016 13:27	0						Dry and undeveloped
R04273	24N	54E	27	11S	NAD83	596233	4420225	5830	5/17/2016 9:08	0						No flow, small meadow appears to have been dry for several years. Signs of wildlife utilization
R04274	25N	54E	1	11T	NAD83	598782	4436193	6541	5/18/2016 15:33	<2	14.2	7.43	211	150	99.5	Dry wash, water flows for approximately 15 feet.
R04275	25N	54E	12	11T	NAD83	598829	4434788	6704	5/18/2016	1	14.9	8.6	317	225	149	Spring flow is dispersed and immediately joins an intermittent stream.
R04276	25N	54E	14	11T	NAD83	597583	4433782	6695	5/19/2016 9:00	0.5	7.9	8.2	275	199	125	Spring expresses next to flowing channelized stream, dispersed output, unable to quantify flow (ocular measurement was taken).
R04277	25N	54E	36	11S	NAD83	599025	4429149	7940	5/18/2016 13:40	42	10.3	8.82	234	185	124	Natural System
R04278	26N	54E	36	11T	NAD83	599006	4438097	6801	5/18/2016 14:35	0						Spring head was completely dry. Some areas down the dry stream bed showed small puddles of surface water. Not enough water to measure quality.
R04515	27N	53E	12			589726	4453833		5/20/2016	<1	8.5	9	409			Spring located on side of hill. Water appearance is clear. Flow estimated. Ground is humucky. Vegetation is primarily grasses. PWR R04515 is 260' away.
R04516	27N	53E	11			588949	4454468	6910	5/20/2016	<2	11.6	8.6	218			Spring is a complex of springs. Water appears clear. Very low flow. Vegetation type is primarily grass.
R04517	27N	53E	12			589807	4453855		5/20/2016	1	9.1	7.9	288			Spring emerges from side of hill. Spring complex. Water appears clear. Spring is 280' away from PWR R04515.
R04518	27N	53E	12			589416	4453885		5/20/2016	1	8.9	8.1	361			Spring located on side of hill. Ground surface is saturated. Very low flow. Water appears clear. Vegetation primarily grass. PWR R04515 is 1,055' away. PWR R04517 is 1,225' away.
R04520	27N	54E	18			591132	4452827		5/26/2016	3.5	11.9	8.9	420			Flow rate estimated 3-4 GPM. No surface expression of spring. Trough is present with discharge coming from pipe. Water is clear, but some algae is present.
R04521	26N	53E	5			584155	4445578		5/4/2016	1		8.58	585.4			Water appears turbid. Water flow estimated. Spring diverted across road to trough. Water has very low flow.
R06743	19N	54E	12	11S	NAD83	600110	4376685	7660	4/13/2016 13:05	2	9.5	8.06	400	203	184	Developed spring with a stock pond and trough, trough possibly filled by other water source, enclosure includes riparian habitat.
R06937	21N	52E	26	11S	NAD83	578483	4389752	6617	4/25/2016 11:20	<1	7.2	7.25	430	302	193	Spring flows out of topographic break on a sidehill. Starts in a small pool and then channelizes towards a meadow area. Water was in the pool and channel but flow was too low to measure
R06938	21N	52E	26	11S	NAD83	578342	4390169	6407	4/25/2016 10:48	0.4	4.2	8.11	460	327	205	Water coming directly out of rock face
R06939	21N	52E	Check	11S	NAD83	579294	4389187	6397	4/25/2016 12:15	1	9.2	7.45	410	294	188	Pond with standing water and riparian plants.
R06940	22N	51E	1	11S	NAD83	569678	4406767	7131	4/25/2016 14:29	<1	5.3	4.5	630	447	326	No spring expression. Flow occurs through perforated pipe that extends out of earthwork.
R06941	No data															
R06942	22N	51EH	1	11S	NAD83	570903	4408291	6616	4/13/2016 16:10	<1	14.1	8.5	222	156	109	Spring has been dug out into large pond or reservoir
R06943	22N	51EH	1	11S	NAD83	570630	4407894	6604	4/13/2016 16:30	<1	13.7	9.18	1016	724	493	Spring has been dug out into large pond or reservoir
R06944	No data															
R06945	23N	52E	13	11S	NAD83	579949	4413556	5794	5/18/2016 8:03							Well is positioned next to a dry pond. Well dates back to 1967 and there is sign of livestock use.
R06946	23N	53E	18	11S	NAD83	581330	4413552	5766	5/18/2016 8:46	0						Spring is dry
R06947	No data															
V03033	20N	53E	31		NAD83	582926	4378318	6079	4/25/2016							Well with hand pump.

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