



L. G. EVERIST, INC.

CORPORATE OFFICE
350 S MAIN AVE, SUITE 400
SIOUX FALLS, SD 57104

MOUNTAIN DIVISION
7321 E 88TH AVE., SUITE 200
HENDERSON, CO 80640
WWW.LGEVERIST.COM

November 20, 2020

Eric Scott
Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203
(sent via email to eric.scott@state.co.us)

RE:DRMS Ground Water Monitoring Report for M-2001-017, Carbon Valley Resource

Dear Eric:

As requested, L.G. Everist, Inc. is submitting the Ground Water Monitoring Report for Carbon Valley Resource, DRMS Permit # M-2001-017. The Groundwater Monitoring Report includes annual data and a monitoring well map. The data shows groundwater levels within baseline ranges, so there are no compliance issues.

Analysis of the groundwater monitoring data shows that all the groundwater levels in the wells around the active and permitted site have remained in compliance. Monitoring wells MW03 and MW04 were missed from August-2019 to Feb-2020 during a period of employee transition. However, the readings of both wells before and after this period are within baseline levels, and therefore in compliance.

One exterior well (MW06) that is located at the northeast corner of an area that has been released since 2018, and is next to private ditches, has one month out of its baseline range. This well is located so far from the currently permitted mine area that fluctuations in groundwater levels would be caused by outside factors, not associated with the mine site. Also, the fluctuation has not adversely affected any neighbors. Therefore, there are no compliance issues.

We will continue to monitor the groundwater levels on a monthly basis. And future groundwater monitoring data will be included with the DRMS annual report, the anniversary of which is September 19th.

If you have questions, please contact me (office-303-286-2247, cell-303-514-2778, or lmshults@lgeverist.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'L M Shults', is written over the typed name.

Lynn M. Shults
Regulatory Manager

Attached:
Ground Water Monitoring Report – data and map

L.G. Everist, Inc. - Carbon Valley Resource (M-2001-017) - Groundwater Monitoring Well Data

MONITOR WELL NO.	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07
NORTHING, FT	1,307,353.84	1,306,390.31	1,305,531.41	1,305,207.10	1,306,084.75	1,307,521.49	1,307,522.07
EASTING, FT	3,156,990.45	3,156,962.85	3,156,965.85	3,157,915.49	3,159,231.68	3,159,255.52	3,158,242.86
ELEVATION (TOG), FT	4,814.364	4,820.651	4,824.874	4,827.098	4,819.53	4,819.87	4,816.45
CASING HEIGHT, FT	4.34	2.48	(2.59)	2.45	2.56	2.22	2.70
ELEVATION (TOC), FT	4,818.702	4,823.127	4,822.280	4,829.552	4,822.10	4,822.09	4,819.15
	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07
HIGH (max of first 2 yrs + 2)	4,812.60	4,816.83	4,819.18	4,820.95	4,816.25	4,807.19	4,800.35
LOW (min of first 2 yrs - 2)	4,800.50	4,804.83	4,812.98	4,816.30	4,811.20	4,801.57	4,790.65

2017	6/6/2017	4,809.60	4,813.93	4,817.18	4,818.35	<<< INITIAL READING all wells must have a 2-year baseline period to establish background elevations on which to determine baseline depths		
	7/6/2017	4,810.60	4,814.83	4,816.58	4,818.55			
	8/7/2017	-	4,814.58	4,816.88	4,818.75			
	9/5/2017	4,810.60	4,814.73	4,816.78	4,818.80			
	10/4/2017	4,810.55	4,814.83	4,816.98	4,818.95			
	11/3/2017	4,809.80	4,814.03	4,816.33	4,818.55			
	12/1/2017	4,808.95	4,813.68	4,816.18	4,818.45			
2018	1/8/2018	4,808.95	4,813.58	4,816.08	4,818.45	4,813.95	4,805.19	4,798.35
	2/9/2018	4,803.95	4,813.13	4,815.98	4,818.40		4,805.14	4,798.25
	3/7/2018	4,802.50	4,812.13	4,815.78	4,818.35		4,804.84	4,795.20
	4/4/2018	4,803.05	4,806.83	4,815.53	4,818.40		4,804.89	4,797.80
	5/9/2018	4,802.55	4,807.63	4,815.33	4,818.40		4,804.79	4,795.90
	6/11/2018	4,804.25	4,807.93	4,815.28	4,818.30		4,804.79	4,796.00
	7/2/2018	4,803.15	4,808.48	4,815.48	4,818.60		4,804.54	4,795.50
	8/14/2018	4,810.50	4,810.18	4,815.73	4,818.75		4,813.82	4,794.41
	9/6/2018	4,810.50	4,809.98	4,815.83	4,818.85		4,804.19	4,793.95
	10/19/2018	4,809.40	4,808.98	4,815.38	4,818.70		4,803.97	4,794.38
	11/16/2018	4,808.90	4,808.88	4,815.33	4,818.70		4,803.73	4,792.97
	12/3/2018	4,808.65	4,808.83	4,815.33	4,818.65		4,803.57	4,792.65
2019	1/10/2019	4,808.40	4,808.63	4,815.23	4,818.55	4,813.75	4,804.29	4,794.70
	2/15/2019	4,808.35	4,808.58	4,815.28	4,818.60	4,813.65	4,803.99	4,794.45
	3/12/2019	4,808.30	4,808.48	4,815.23	4,818.55	4,813.65	4,803.84	4,794.40
	4/9/2019	4,808.40	4,808.38	4,815.23	4,818.55	4,813.80	4,803.94	4,793.40
	5/22/2019	4,808.45	4,808.53	4,815.23	4,818.45	4,813.85	4,803.79	4,793.65
	6/5/2019	4,808.70	4,808.33	4,814.98	4,818.35	4,813.70	4,804.19	4,793.95
	7/10/2019	4,810.73	4,809.45	4,815.18	4,818.50	4,813.96	4,805.03	4,794.72
	8/7/2019	4,809.55	4,808.88	no reading	no reading	4,814.10	4,804.99	4,794.27
	9/10/2019	4,809.15	4,808.70	no reading	no reading	4,814.08	4,804.94	4,794.25
	10/8/2019	4,808.73	4,808.53	no reading	no reading	4,813.82	4,804.41	4,794.41
	11/7/2019	4,808.52	4,808.41	no reading	no reading	4,813.70	4,804.19	4,793.95
	12/11/2019	4,808.14	4,808.16	no reading	no reading	4,813.50	4,803.97	4,794.38
2020	1/13/2020	4,808.00	4,808.03	no reading	no reading	4,813.35	4,803.73	4,792.97
	2/12/2020	4,807.90	4,807.98	no reading	no reading	4,813.20	4,803.57	4,792.65
	3/16/2020	4,808.12	4,808.13	4,814.35	4,818.40	4,813.20	4,803.76	4,792.84
	4/29/2020	4,808.12	4,808.13	4,815.03	4,818.34	4,813.30	4,803.81	4,792.70
	5/29/2020	4,808.82	4,808.22	4,814.29	4,817.56	4,813.49	4,804.28	4,793.64
	6/25/2020	4,810.25	4,809.02	4,814.63	4,817.65	4,813.76	4,804.46	4,793.90
	7/23/2020	4,809.35	4,808.62	4,814.46	4,817.63	4,814.00	4,804.86	4,795.00
	8/20/2020	4,810.27	4,808.87	4,814.00	4,817.56	4,814.16	4,805.07	4,797.20
	9/22/2020	4,808.73	4,808.59	4,813.83	4,817.53	4,813.89	4,806.24	4,797.73
	10/28/2020	4,808.45	4,808.11	4,813.53	4,817.30	4,813.54	4,809.24	4,798.15

L.G. Everist, Inc. - Carbon Valley Resource (M-2001-017) - Groundwater Monitoring Well Map

