



**L.G. EVERIST, INC.**

*ROCK SOLID SINCE 1876*

7321 E. 88TH AVENUE, SUITE 200

HENDERSON, COLORADO 80640

PHONE 303-287-9606 • FAX 303-289-1348

May 28, 2021

Division of Reclamation, Mining, and Safety  
Department of Natural Resources  
1313 Sherman Street, Room 215  
Denver, CO 80203

**RE: 112c Reclamation Permit - Attachments for Annual Fee and Annual Report**

To Whom It May Concern:

PERMITTEE:	<b>L. G. Everist, Inc.</b>
PERMIT NO.:	<b>M-1999-120</b>
OPERATION NAME:	<b>Fort Lupton Sand and Gravel Mine</b>
ANNIVERSARY DATE:	<b>June 1 (annually)</b>
ANNUAL FEE:	<b>\$791.00</b>

The DRMS Annual Report for Fort Lupton Sand and gravel (M-1999-120) has been submitted online. The annual fee has been paid online with a credit card.

Enclosed with this letter are the attachments for the DRMS Annual Report. They include:

Exhibit F - Reclamation Plan Map - which shows the current permit area and reclamation plan. Areas of the map are marked to show the active mining areas, and the recently sloped areas and seeded areas - which are shaded green. The 2021 future mining area is the Blue Ribbon Phase at the north end of the site.

Groundwater Monitoring Report – includes recent data, data review, and active wells map.

If you have any questions, feel free to contact me at 303-286-2247 or [lmshults@lgeverist.com](mailto:lmshults@lgeverist.com).

Sincerely,

Lynn Mayer Shults  
Regulatory Manager

cc: Richard Schneider, L.G. Everist - Area Manager

attached:

- Reclamation Plan Map
- Groundwater Monitoring Report - data review, data, wells map

ACTIVE MINING  
2020-2021

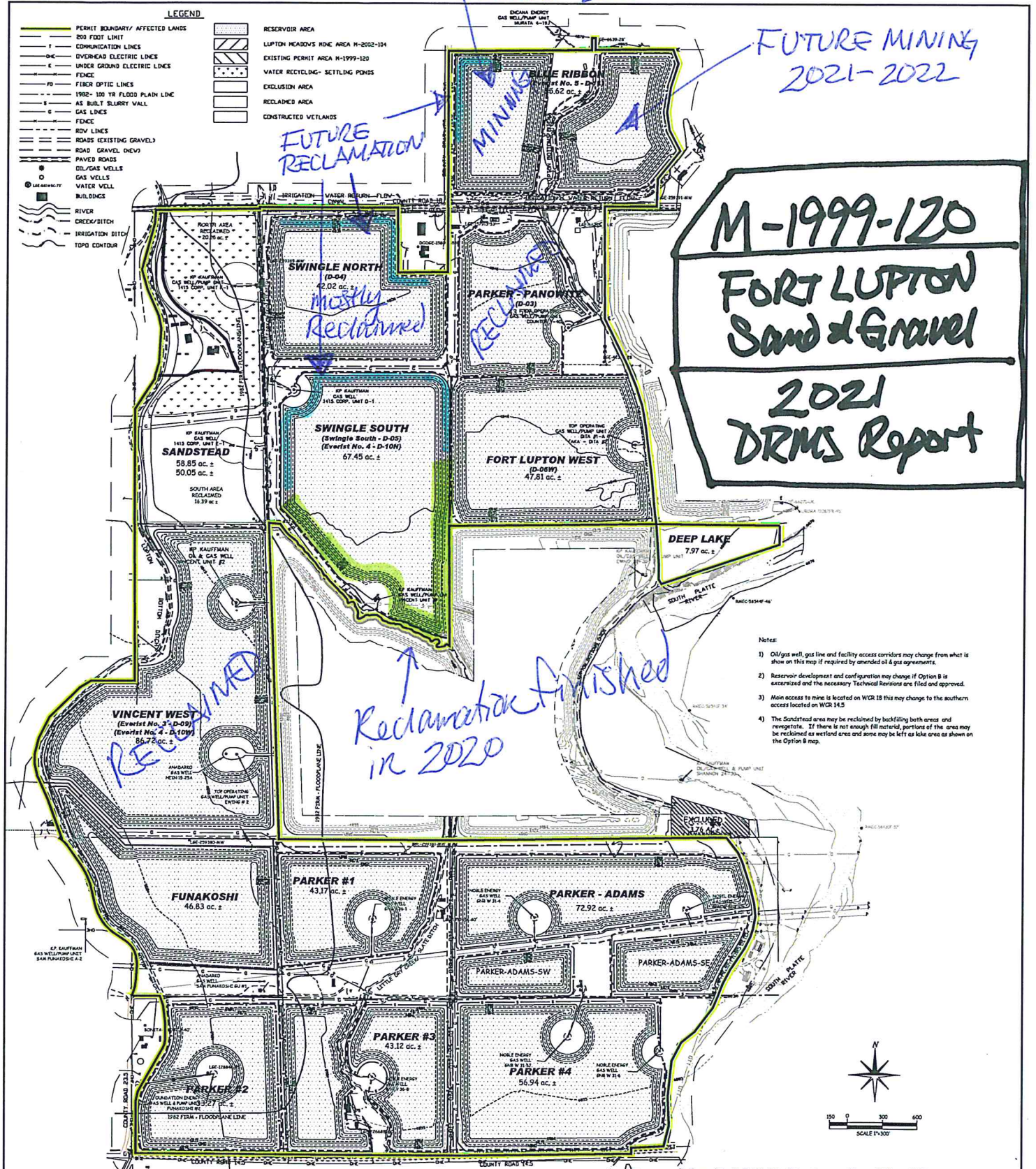
FUTURE MINING  
2021-2022

FUTURE RECLAMATION

mostly Reclaimed

Reclamation Finished in 2020

# M-1999-120 FORT LUPTON Sand & Gravel 2021 DRMS Report



Map Exhibit F- Reclamation Plan Map (Revised 11-3-2018)

L.G. Everist, Inc.

7321 EAST 88TH AVENUE | HENDERSON, COLORADO 80640  
PHONE: (303) 287-4656 | FAX: (303) 289-1348

AMENDMENT  
FOR  
FORT LUPTON SAND AND GRAVEL  
PERMIT # M-1999-120

REVISIONS:	DATE:
ORIGINAL PERMIT	12/1999
AMENDMENT - ADDED 732.71 ACRES	07/2012
TECHNICAL REVISION TO MEADOWS LAKE	8/2013

DATE	SHEET
11/02/2015	4 of 4



## DRMS ANNUAL REPORT - GROUNDWATER MONITORING REPORT

SITE: L.G. Everist, Inc. - Fort Lupton Sand and Gravel, M-1999-120

DATE: Anniversary date - June 1, 2021

**Fort Lupton Sand and Gravel's** monitoring well data from January-2020 through April-2021 is attached. Prior data has been submitted in prior annual reports. A map of the active monitoring well locations is also attached. (MW = monitoring well). All wells that are listed in the attached data spreadsheets and shown on the map are active wells. (Monitoring wells that have been mined out as mining progresses no longer exist, and so are not on the map or listed in the data.)

The majority of the monitoring wells have maintained groundwater levels within their baseline ranges established in L.G. Everist's (LGE) final adequacy response for the DRMS permit amendment in October-2012. This includes wells in areas where we are not yet mining, and also wells outside the perimeters of slurry walls - showing that the water is flowing around the slurry walls in natural patterns.

A few monitoring wells at Fort Lupton have fluctuated in and out of their baseline ranges. L.G. Everist has investigated the data and compared monitoring well results with their locations and nearby activities. Most wells that have been outside of baseline ranges are internal to LGE operations, and any fluctuating water levels would only affect the operator, so no mitigation is necessary. Some external wells that are outside of baseline ranges have been affected by the unlined mining operations in a neighboring mine (see details below). For these wells, LGE's lined operations are not the cause of the groundwater decrease, so no mitigation is required by LGE.

**ACTIVE WELLS** - Following is a detailed list of all active monitoring wells - with notes on the location and accessibility of the wells, the groundwater level data for the reporting period, and explanations of the raw data and any contributing external (or internal) factors. Any other changes, investigation, and mitigation would also be noted in this report. In general, there have been no adverse effects on neighbors with any of changes indicated in these wells throughout this reporting period, and previous reporting periods. We continue to monitor all our active wells monthly.

**MW-02** - internal to site - this well has not been accessible since after the 2013 flood, when Little Dry Creek changed its course. MW-02 is unlikely to become accessible again in the future, and any data would only relate to internal LGE operations, so after this year's report, this well will no longer be in LGE's list of monitoring wells, and will be removed from the active wells map.

**MW-04** - internal to site - near processing plant - within baseline ranges for late spring through early winter months, slightly below baseline for January-February-2021, and now back within baseline ranges.

**MW-06** - internal to site - MW-06 is sometimes not accessible due to Little Dry Creek and a field conveyor. After reclamation of nearby slopes and moving the field conveyor, MW-06 was accessible again, starting in April-2020. It was within the baseline range in September-October-2020, since then it has been slightly out of baseline range. Because the well is internal, changes in groundwater levels around this well could only affect LGE, therefore no mitigation is necessary.

**MW-08** - external - edge of site - located on the south side of CR 18, outside of the Swingle-North slurry wall, and directly across from a neighboring unlined mining operation. MW-08 is not in baseline range, due to the dewatering of the neighboring unlined mining operation. However, there are no residential neighbors nearby to be affected.

*Note:* MW-08 was within baseline ranges until the neighboring mining operation on the north side of CR 18 started operations, including dewatering of their unlined mining areas. The other mine's dewatering of their unlined mining areas have affected local groundwater levels, as seen in our monitoring well. The original baseline for this monitoring well may no longer be applicable, due to the effects from this neighboring mine. As mentioned above, there are no residential neighbors nearby to be affected.

**MW-09** - external - quite far north of the majority of LGE operations. The groundwater levels in the well are not in baseline range, but there are no residential neighbors nearby to be affected.

*Note:* The well is located east of CR 25 directly across from the neighboring unlined mining operation mentioned in MW-08. This well was within baseline ranges until the neighboring mining operation started dewatering their unlined mining areas, which have affected the groundwater levels in our monitoring well. The original baseline may no longer be applicable, due to the effects from this neighboring mine. As mentioned above, there are no residential neighbors nearby to be affected.

## **DRMS ANNUAL REPORT - GROUNDWATER MONITORING REPORT**

**SITE:** L.G. Everist, Inc. - Fort Lupton Sand and Gravel, M-1999-120

**DATE:** Anniversary date - June 1, 2021

**MW-14** - internal to site - located in the southeast corner of the Parker-Panowitz phase, within an approved slurry wall. Groundwater levels are below baseline ranges, which indicates that the approved slurry wall is working. Because the well is internal, changes in groundwater levels around this well could only affect LGE, therefore no mitigation is necessary.

*Note:* The Parker-Panowitz phase is completely mined and the reclamation sloping is complete around most of the phase.

**MW-20** - edge of site - this well is located at the southwest corner of the Sandstead phase. This well has stayed within baseline ranges for the past year. In May-2020, MW-20 went slightly high for one month, then settled back into its baseline range. No effects on any residential neighbors.

**MW-25** - edge of site - this well is located at the northeast corner of the Sandstead phase. This well has stayed within baseline ranges for the past year. No effects on any residential neighbors.

*Note:* The unlined mining operation first mentioned in MW-08 is across the road to the north of MW-25.

**MW-21** - internal to site - this well is located along the south side of the Sandstead phase. This well has stayed within baseline ranges.

**MW-24** - internal to site - this well is located along the east side of the Sandstead phase. This well has stayed within baseline ranges.

**MW-26, MW-27, MW-28, MW-29, MW-30, MW-31** - all six of these wells are located in the south third of the site where mining has not yet begun. Once mining starts in this area, MW-30 will be internal to the site, the other five wells are located along site boundaries. All wells are within baseline ranges throughout the reporting period except MW-27. MW-27 is located on the north side of CR 14.5, and it dipped below its baseline range from September-November-2020, and then came back into range in December-2020. Because there are no LGE mining operations occurring anywhere near this well, the causes of the temporary groundwater level change could be a combination of natural (low precipitation throughout Colorado in 2020), agricultural, or possibly public (road work). Regardless, the temporary change was not caused by LGE, and there were no effects on any residential neighbors.

**MW-32** - was internal to site, now edge of site - because it is located at the southeast corner of the lined and released Meadows Lake phase, which is also the northeast corner of south third of site where mining has not begun. The well is within baseline ranges.

**MW-33** - internal to site - located at the southeast corner of the Vincent West phase. The well was inaccessible during reclamation work from July-2019 through April-2020. It became accessible again starting in May-2020, and the well has been within baseline ranges throughout the reporting period. Because the well is internal, changes in groundwater levels around this well could only affect LGE.

**MW-34** - edge of site - located at the southwest corner of the Vincent West phase. This well has always stayed within baseline ranges. No effects on any residential neighbors.

**MW-37** - edge of site - located along the western side of the Vincent West phase. This well has always stayed within baseline ranges. No effects on any residential neighbors.

**MW-45** - edge of site - on the north side of Parker-Panowitz. This well has stayed within baseline ranges for the past year. In January-February-2021, MW-45 went slightly below baseline, then settled back into its baseline range. No effects on any residential neighbors.

**MW-52** - internal to site - located within the Swingle-South slurry wall. It had usually been within baseline ranges until March-2020. Groundwater levels dipped below the baseline range starting in March-2020, which indicates that the approved slurry wall is working. Because the well is internal, changes in groundwater levels around this well could only affect LGE, therefore no mitigation is necessary.

## **DRMS ANNUAL REPORT - GROUNDWATER MONITORING REPORT**

SITE: L.G. Everist, Inc. - Fort Lupton Sand and Gravel, M-1999-120

DATE: Anniversary date - June 1, 2021

**MW-54** - internal to site - this is a fairly new well located in the middle of the Sandstead phase. The 2-year baseline time period for MW-54 was completed in May-2019. This well has stayed within baseline ranges for the reporting period.

**MW-55** - edge of site - this is another fairly new well located on the northwestern edge the Sandstead phase. The 2-year baseline time period for MW-55 was completed in May-2019. This well has stayed within baseline ranges for the reporting period.

<b>FORT LUPTON S&amp;G MONITOR WELL NO.</b>	MW-02 (internal)	MW-04 (internal)	MW-06 (internal)	MW-08 (edge of site)	MW-09 (offsite-far)	MW-14 (internal)	MW-20 (edge of site)	MW-21 (internal)
<b>NORTHING, FT</b>	1280952.82	1283290.42	1283728.10	1285900.46	1287365.87	1284654.27	1283584.51	1283603.67
<b>EASTING, FT</b>	3187993.46	3187818.84	3185934.31	3186592.51	3187426.10	3188830.71	3185761.31	3186195.02
<b>ELEVATION (TOG), FT</b>	4880.09	4,875.66	4,873.53	4,869.20	4,866.27	4,874.69	4878.63	4876.93
<b>CASING HEIGHT, FT</b>	3.05	2.36	3.02	3.18	3.20	2.88	3.24	3.31
<b>ELEVATION (TOC), FT</b>	4,883.14	4,878.02	4,876.55	4,872.38	4,869.47	4,877.57	4881.87	4880.24

<b>HIGH</b> (max of first 2 yrs + 1)	<b>4,880.69</b>	<b>4,875.43</b>	<b>4,874.39</b>	<b>4,866.30</b>	<b>4,863.12</b>	<b>4,867.40</b>	<b>4,876.48</b>	<b>4,875.84</b>
<b>LOW</b> (min of first 2 yrs - 1)	<b>4,875.22</b>	<b>4,868.67</b>	<b>4,867.68</b>	<b>4,857.83</b>	<b>4,855.35</b>	<b>4,861.77</b>	<b>4,859.47</b>	<b>4,854.54</b>

01/10/20	can't access	4,867.89	can't access	4,838.68	4,834.02	4,857.37	4,873.25	4,871.69
02/10/20	due to LDCreek	4,868.17	-	4,838.75	4,833.77	4,857.12	4,872.57	4,871.56
03/11/20	-	4,868.30	-	4,838.48	4,834.27	4,857.35	4,871.85	4,870.31
04/29/20	-	4,868.82	4,863.47	4,838.53	4,834.37	4,859.72	4,872.73	4,871.19
05/29/21	-	4,869.63	4,864.54	4,845.73	4,835.67	4,861.22	4,876.85	4,871.49
06/25/20	-	4,869.46	4,864.30	4,845.23	4,835.67	4,861.11	4,875.71	4,871.44
07/23/20	-	4,869.03	4,863.20	4,843.00	4,835.55	4,860.85	4,874.12	4,871.12
08/28/20	-	4,869.05	4,863.37	4,839.92	4,837.97	4,860.86	4,873.93	4,871.76
09/11/20	-	4,869.57	4,868.09	4,840.46	4,838.06	4,857.78	4,873.89	4,872.01
10/29/20	-	4,870.03	4,869.33	4,840.59	4,838.17	4,856.02	4,873.73	4,872.97
11/04/20	-	4,870.01	4,867.33	4,839.90	4,837.25	4,855.39	4,872.69	4,871.75
12/03/20	-	4,870.16	4,864.73	4,838.18	4,835.78	4,854.56	4,872.46	4,870.84
01/14/21	can't access	4,868.41	4,865.23	4,838.98	4,836.45	4,852.65	4,871.15	4,869.65
02/26/21	-	4,868.32	4,864.38	4,838.29	4,835.86	4,852.24	4,870.28	4,869.04
03/31/21	-	4,869.05	4,865.51	4,838.43	4,834.28	4,854.06	4,870.09	4,869.23
04/30/21	-	4,868.82	4,863.46	4,838.68	4,835.01	4,855.28	4,871.25	4,869.50

WELL NOTES - for well readings from Jan-2020 to Apr-2021, submitted with DRMS Annual Rpt, Jun-2021	internal (can't access due to LDCreek)	internal	internal (accessible again, starting spring-2020)	edge of site (next to NCCI)	offsite-far (next to NCCI)	internal	edge of site	internal
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<b>FORT LUPTON S&amp;G MONITOR WELL NO.</b>	MW-24 (internal)	MW-25 (edge of site)	MW-26 (south end)	MW-27 (south end)	MW-28 (south end)	MW-29 (south end)	MW-30 (south end)	MW-31 (south end)
<b>NORTHING, FT</b>	1285220.96	1286191.14	1278473.10	1278442.03	1278427.71	1279705.24	1279612.81	1279702.73
<b>EASTING, FT</b>	3186629.91	3186587.77	3190083.81	3188252.28	3185716.95	3185920.94	3188258.35	3190495.90
<b>ELEVATION (TOG), FT</b>	4870.81	4868.97	4887.10	4885.69	4895.11	4891.42	4883.91	4884.66
<b>CASING HEIGHT, FT</b>	3.08	3.68	2.94	2.95	2.60	3.30	2.83	3.53
<b>ELEVATION (TOC), FT</b>	4873.89	4872.65	4890.04	4888.64	4897.71	4894.72	4886.74	4888.19

<b>HIGH</b> (max of first 2 yrs + 1)	<b>4,870.89</b>	<b>4,866.45</b>	<b>4,882.02</b>	<b>4,884.28</b>	<b>4,888.31</b>	<b>4,887.23</b>	<b>4,882.70</b>	<b>4,879.49</b>
<b>LOW</b> (min of first 2 yrs - 1)	<b>4,856.19</b>	<b>4,853.95</b>	<b>4,878.03</b>	<b>4,880.84</b>	<b>4,884.39</b>	<b>4,880.89</b>	<b>4,877.04</b>	<b>4,875.56</b>

01/10/20	4,862.81	4,855.74	4,879.04	4,882.17	4,885.89	4,884.12	4,880.74	-
02/10/20	4,862.26	4,854.72	4,879.20	4,881.94	4,885.56	4,883.45	4,880.34	4,877.23
03/11/20	4,860.24	4,854.20	4,879.29	4,882.22	4,885.53	4,883.47	4,880.64	4,877.14
04/29/20	4,860.79	4,855.01	4,879.10	4,882.69	4,886.41	4,883.82	4,880.39	4,876.96
05/29/21	4,862.94	4,859.85	4,879.72	4,882.69	4,887.02	4,884.93	4,880.49	4,877.48
06/25/20	4,862.57	4,859.47	4,879.52	4,882.50	4,885.93	4,884.27	4,880.46	4,877.37
07/23/20	4,862.37	4,858.83	4,879.02	4,882.03	4,886.51	4,884.02	4,880.39	4,877.14
08/28/20	4,861.85	4,856.90	4,878.67	4,882.12	4,886.42	4,884.57	4,880.51	4,876.58
09/11/20	4,862.74	4,859.47	4,878.86	4,880.19	4,886.62	4,884.50	4,880.62	4,876.71
10/29/20	4,866.10	4,861.10	4,879.02	4,878.63	4,886.78	4,884.70	4,881.22	4,877.10
11/04/20	4,864.97	4,859.87	4,878.86	4,879.43	4,886.67	4,884.45	4,880.40	4,877.14
12/03/20	4,863.92	4,856.51	4,879.02	4,882.09	4,886.09	4,883.94	4,880.22	4,876.84
01/14/21	4,862.34	4,855.43	4,878.99	4,881.95	4,885.76	4,883.53	4,880.03	4,876.77
02/26/21	4,861.57	4,854.86	4,879.14	4,881.93	4,885.60	4,883.38	4,880.02	4,876.93
03/31/21	4,861.81	4,854.97	4,879.54	4,882.65	4,886.12	4,884.03	4,880.65	4,877.28
04/30/21	4,861.11	4,855.23	4,879.82	4,882.75	4,886.33	4,884.31	4,880.85	4,877.90

WELL NOTES - for well readings from Jan-2020 to Apr-2021, submitted with DRMS Annual Rpt, Jun-2021	internal	edge of site	south end	south end	south end	south end	south end	south end
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<b>FORT LUPTON S&amp;G MONITOR WELL NO.</b>	MW-32 (inter/edge)	MW-33 (internal)	MW-34 (edge of site)	MW-37 (edge of site)	MW-45 (edge of site)	MW-52 (internal)	MW-54 (internal)	MW-55 (edge of site)
<b>NORTHING, FT</b>	1281049.34	1281023.27	1280976.36	1282451.42	1286212.47	1284875.58	1285027.37	1285705.08
<b>EASTING, FT</b>	3190074.13	3186869.81	3185167.73	3185753.31	3189018.10	3188125.52	3186385.20	3185816.56
<b>ELEVATION (TOG), FT</b>	4882.40	4883.59	4887.04	4883.69	4870.99	---	---	---
<b>CASING HEIGHT, FT</b>	3.07	2.70	3.72	3.49	3.28	---	---	---
<b>ELEVATION (TOC), FT</b>	4885.47	4886.29	4890.76	4887.18	4874.27	4878.28	4887.35	4879.99

<b>HIGH</b> (max of first 2 yrs + 1)	<b>4,876.72</b>	<b>4,883.83</b>	<b>4,887.69</b>	<b>4,879.98</b>	<b>4,863.02</b>	<b>4,874.40</b>	<b>4,866.40</b>	<b>4,868.59</b>
<b>LOW</b> (min of first 2 yrs - 1)	<b>4,873.15</b>	<b>4,877.98</b>	<b>4,878.96</b>	<b>4,864.78</b>	<b>4,851.42</b>	<b>4,858.08</b>	<b>4,854.65</b>	<b>4,854.99</b>

01/10/20	4,874.72	-	4,884.87	4,873.93	4,857.33	4,858.23	4,865.45	4,865.19
02/10/20	4,874.49	-	4,883.95	4,873.03	4,857.05	4,858.28	4,863.43	4,863.05
03/11/20	4,874.77	-	4,883.83	4,872.30	4,857.59	4,857.88	4,862.43	4,862.19
04/29/20	-	-	4,884.76	4,873.53	4,859.01	4,857.95	4,862.65	4,862.44
05/29/21	4,875.14	4,881.76	4,885.25	4,874.45	4,861.76	4,857.63	4,863.94	4,864.08
06/25/20	4,874.65	4,881.67	4,884.94	4,874.90	4,862.53	4,856.45	4,864.01	4,864.45
07/23/20	4,874.87	4,881.59	4,885.41	4,875.49	4,864.65	4,856.18	4,864.51	4,864.85
08/28/20	4,874.32	4,881.67	4,885.15	4,875.14	4,858.86	4,855.49	4,864.17	4,864.63
09/11/20	4,875.32	4,881.78	4,885.18	4,875.02	4,857.09	4,855.34	4,865.20	4,864.84
10/29/20	4,875.33	4,882.05	4,885.23	4,874.54	4,853.32	4,854.92	4,866.40	4,865.34
11/04/20	4,875.22	4,881.87	4,884.92	4,874.21	4,853.05	4,855.03	4,865.90	4,865.45
12/03/20	4,874.52	4,881.43	4,884.56	4,873.50	4,851.88	4,854.58	4,865.44	4,865.27
01/14/21	4,874.46	4,881.40	4,884.11	4,872.16	4,850.68	4,856.02	4,864.01	4,863.78
02/26/21	4,874.39	4,881.28	4,883.84	4,872.13	4,849.78	4,855.79	4,863.24	4,862.90
03/31/21	4,875.08	4,881.61	4,884.08	4,870.74	4,853.16	4,854.43	4,862.74	4,862.28
04/30/21	4,875.30	4,881.84	4,883.98	4,872.14	4,855.30	4,853.43	4,863.08	4,862.81



WELL NOTES - for well readings from Jan-2020 to Apr-2021, submitted with DRMS Annual Rpt, Jun-2021	internal/edge	internal	edge of site	edge of site	edge of site	internal	internal	edge of site
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Active MW



			REV. # BY		DATE	DESCRIPTION		
			A	-	-	-		
			B	-	-	-		
			DRAWN BY: JVS		L.G. Everist, Inc. Aggregate Producers 7321 E. 88th Ave, Suite 200 Henderson, CO, 80640 (303) 286-8246		Active MW Locations	
			DATE: 5/27/2021					
			SCALE: Not to scale					
			SIZE: 11x17					
							L.G.E. Ft. Lupton Resource Weld County, CO	