



**MINERAL PROSPECTING DRILL HOLE**  
**PERMANENT ABANDONMENT FINAL REPORT**

Pursuant to the terms of 34-32-113(5.5)(d) and (e) of the Act and Rule 5.7 of the Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for Hard Rock, Metal, and Designated Mining Operations, abandonment reports shall be submitted to the Division within 60 days of abandonment for any drill hole with artesian flow, or within 12 months of abandonment for any other drill hole.

Sundance Sand and Gravel Mine Site (PROSPECT SITE NAME)	P P-2023-006 (PROSPECT NOI No.)
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**I. DRILL HOLE:** Drill Hole I.D. No.

See Attachment

For this Section I, please attach completed drill hole logs **OR** complete the following information:

See Attachment (Total Depth)	See Attachment (Depth of Unconsolidated Material)	See Attachment (Depth of Penetration into Bedrock)
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Was water encountered: No ☐ Yes ☒ if so, at what depth(s): See Attachment

Was water encountered in either Volcanic or Sedimentary Rock: No ☐ Yes ☒

Date Drilled: June 16-29, 2023 Date Permanently Abandoned: June 16-29, 2023

**II. OPERATOR (PROSPECTOR) :**

Holcim - WCR, Inc. - (d/b/a Aggregate Industries)  
(Name)

**DRILLER:**

Dakota Drilling, LLC  
(Name)

1687 Cole Blvd., Suite 300  
(Address)

1380 Umatilla St.  
(Address)

Golden CO  
(City) (State)

Denver CO  
(City) (State)

80401 (303) 716-5204  
(Zip) (Telephone No.)

80204 (303) 893-2810  
(Zip) (Telephone No.)

**III. LOCATION:**

The following information is required for ALL prospecting drill holes:



1/4 of the  1/4 of Section  Township  Range

Principal Meridian  County

If the area has not been surveyed, supply the Longitude  West and Latitude  North, or attach a location map, preferably a USGS Quad.

The following additional information is required for artesian flowing holes:

Feet  North  South from the  South  North section line

feet  east  West from the  west  East section line

**NOTE:** In the case of closely spaced drill holes having similar geologic and hydrologic characteristics, the Operator may, with the approval of the Division, submit a single consolidated final report including the location of all drill holes and a description of abandonment technique. In such case, complete one abandonment final report form and attach a list of drill hole locations. If more space is needed to provide any of the information for this form, please attach separate sheets.

**IV.** Complete Either Subsection **A** or **B**:

**PERMANENT ABANDONMENT** (Check either box 1 or subsection 2 boxes as appropriate and provide the requested information)

☒ 1. Plugged dry hole, method of plugging:

Depth at which concrete plug set:  feet below ground surface.

☐ 2. Sealed Hole (when groundwater is encountered):

☐ 2a. Neat Cement Grout, top to bottom: grout mixture used:

Intervals grouted (feet beneath ground surface, method and materials):

☐ 2b. Neat Cement Grout, interval grouting: grout mixture used:

Intervals grouted (feet beneath ground surface, method and materials):

☐ 2c. Abandonment Fluid Mixture (Such as Sodium Bentonite with Polymer) Brand Name:

Marsh Funnel viscosity of abandonment fluid:  sec.

Type of surface plugging used:

Depth at which plug set:

feet below ground surface,

Method:

See Attachment



2d. Other method used with approval of the Division of Reclamation, Mining and Safety; describe in detail method and materials used on a separate attached sheet.

## B. CONVERSION TO A WATER WELL

State Engineer's Permit No.:

(attach copy of permit)

County Where Well is Located:

Water Well Use:

## V. METHOD OF RECLAIMING DRILL SITE SURFACE DISTURBANCE:

Each disturbed area was approximately <150 sw. ft., raked pat by hand. All trash/debris was removed.

The Operator who conducted the prospecting drill operation states that the information set forth hereupon is true to the best of their knowledge.

JOSHUA A. GILSON

(Name of Operator's Representative)

DRILLING OPERATIONS MANAGER

(Title)

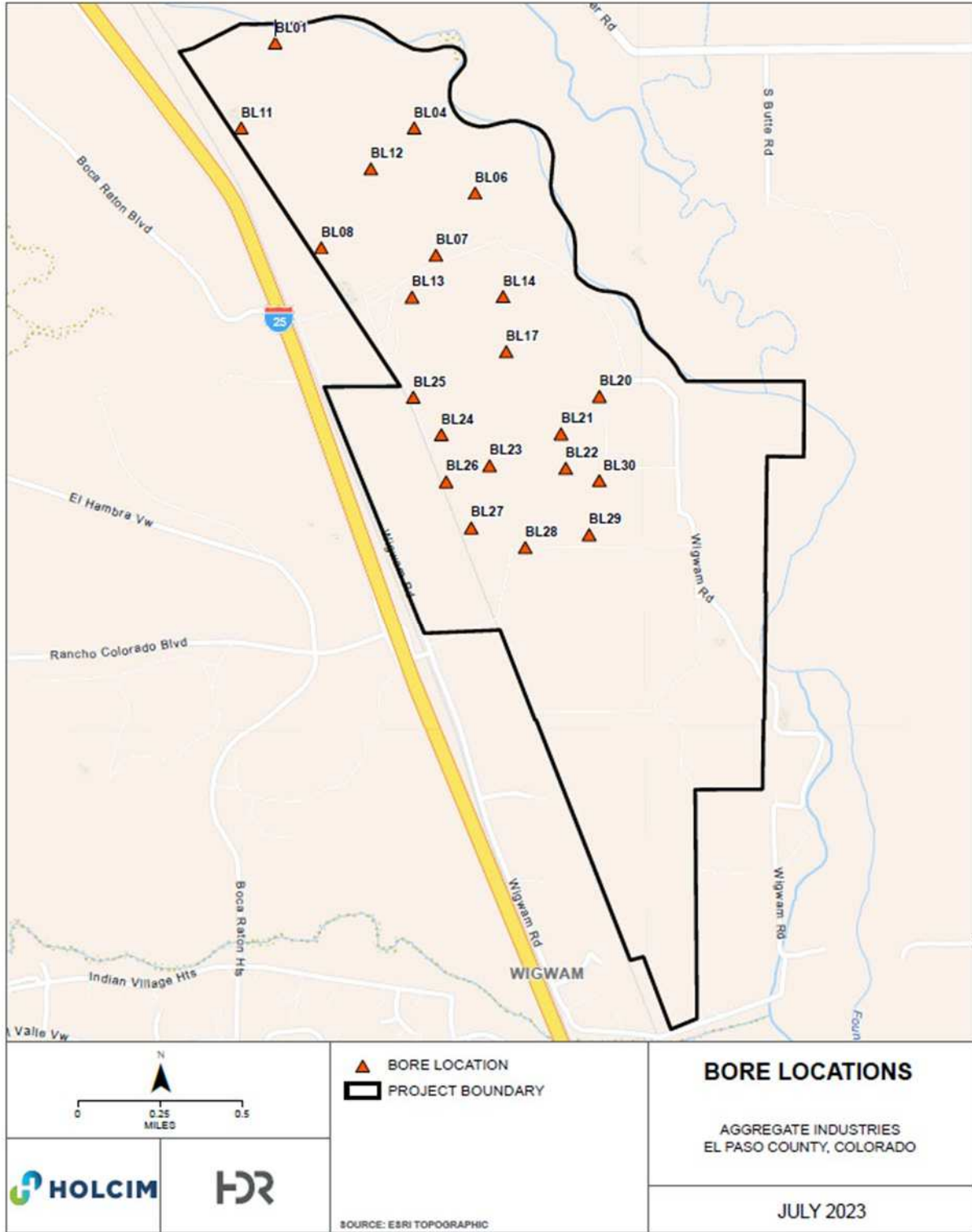
(Signature of Operator's Representative)

11/2/2023

(Date)

Sundance Drilling Report - June 2023							
Drill Hole ID	Drilled Date	Location - Latitude / Longitude		Total Depth of Hole (ft)	Depth to Estimated Water Table (ft)	Depth of Unconsolidated Material (ft)	Depth of Penetration into Bedrock (ft)
		Degrees N	Degrees W				
BL-01	6/16/2023	38.5785167	-104.654160	46	20	46	0, No Bedrock
BL-04	6/16/2023	38.5747172	-104.646409	44.5	24	44	0.5
BL-06	6/16/2023	38.5691000	-104.645255	36	10	36	0, No Bedrock
BL-06A	6/28/2023	38.56910001	-104.6452553	55	10.7	40	15
BL-07	6/16/2023	38.5691000	-104.645255	39	30	39	0, No Bedrock
BL-07A	6/27/2023	38.56941	-104.645255	60	10.5	41	19
BL-08	6/20/2023	38.5694739	-104.651688	43	15	43	0, No Bedrock
BL-08A	6/29/2023	38.56947385	-104.6516883	60	19	46	14
BL-11	6/20/2023	38.5725778	-104.654479	26	15	26	0, No Bedrock
BL-12	6/16/2023	38.5729312	-104.648861	43	24	43	0, No Bedrock
BL-12A	6/26/2023	38.5729312	-104.6488606	65	11	44	21
BL-13	6/16/2023	38.5672655	-104.646619	38	20	38	0, No Bedrock
BL-14	6/16/2023	38.5672491	-104.641511	41	30	41	0, No Bedrock
BL-17	6/16/2023	38.5648218	-104.641359	39	15	39	0, No Bedrock
BL-20	6/20/2023	38.5628159	-104.636157	36	10	36	0, No Bedrock
BL-21	6/20/2023	38.5611833	-104.638332	36	13	36	0, No Bedrock
BL-22	6/19/2023	38.5596628	-104.638083	33	15	33	0, No Bedrock
BL-23	6/19/2023	38.5598111	-104.642356	43	15	43	0, No Bedrock
BL-24	6/19/2023	38.5611967	-104.645047	47	17	47	0, No Bedrock
BL-25	6/19/2023	38.5628571	-104.646600	55	35	55	0, No Bedrock
BL-26	6/19/2023	38.5591186	-104.644801	54	35	54	0, No Bedrock
BL-27	6/19/2023	38.5570764	-104.643420	38	20	38	0, No Bedrock
BL-28	6/19/2023	38.5561923	-104.640399	37	15	37	0, No Bedrock
BL-29	6/19/2023	38.5567336	-104.636806	34	15	34	0, No Bedrock
BL-30	6/19/2023	38.5591087	-104.636207	33	6	33	0, No Bedrock

## Sundance Drilling Location Map



PATH: \\ESRIP\GIS\DATA\PROJECTS\AGGREGATE INDUSTRIES\HOLCIM\HW\_STRUCTURE\_AND\_UTILITY\2\_WORK\_IN\_PROGRESS\HW\_STRUCTURE\AGGREGATE\_UTILITY\_AND\_STRUCTURE\APRIL - 2023\ROAD\ROAD - DATE: 7/14/2023

### **Sundance Permanent Hole Abandonment Method**

In accordance with the Code of Colorado Regulations, Division of Reclamation, Mining, and Safety Rule 5.4.2 Section 3, all drillholes were backfilled with materials removed from the drillhole. No artesian groundwater flows were encountered.