

STATE OF
COLORADO

Cazier - DNR, Tim <tim.cazier@state.co.us>

RE: Re: Hitch Rack Ranch NOI Release

1 message

Jerald Schnabel <Jerald_Schnabel@castleaggregate.com>
To: "Cazier - DNR, Tim" <tim.cazier@state.co.us>

Mon, Dec 21, 2020 at 1:28 PM

Tim:

Here are the completed letters, maps, and photos. Drill logs are available and will be forwarded to you but it is a large file.

Jerry

From: Cazier - DNR, Tim [mailto:tim.cazier@state.co.us]
Sent: Monday, December 21, 2020 12:08 PM
To: Jerald Schnabel
Subject: [EXTERNAL] Re: Hitch Rack Ranch NOI Release

Jerry,

I looked through your release request letter. The most important missing part is the NOI file numbers (you only reference the denied permit #).

Assuming you are requesting the release of both NOIs, please replace "Permit # M-2016-010" in the subject line with "NOI File Nos. P-2014-016 and P-2017-008". **But please leave "M-2016-010" in the body of the release request letter** so it ties Ms. Allmendinger's letter to the location of the requested releases.

Once I get your corrected letter, I can start processing. Please be aware, our rules require we inspect within 90 days of the receipt of an NOI release request, but it can be further delayed by weather preventing an inspection. We appreciate your offer to provide video of the release areas, but we cannot accept video in lieu of the DRMS doing an onsite inspection.

Let me know if you have any questions.

Tim Cazier, P.E.

Environmental Protection Specialist III - Engineering

[I am working remotely - please call me at 303-328-5229]



P 303.866.3567 x8169 | F 303.832.8106 | C 303.328.5229

1313 Sherman St., Room 215, Denver, CO 80203

tim.cazier@state.co.us | <https://www.colorado.gov/drms>

On Mon, Dec 21, 2020 at 9:21 AM Jerald Schnabel <Jerald_Schnabel@castleaggregate.com> wrote:

Tim:

The attachments are for your review regarding the Hitch Rack Ranch NOI release. I will follow up with a phone call.

Thanks

Jerry Schnabel

Castle Aggregate

5 attachments



HRR NOI letter.docx

43K



rmhc letter to drms.docx

15K



hrr Figure 1 HRR Geology Plan_1-8-2016.pdf

811K



HRR Figure 1-1_Monitoring Locations_19july2017 1to600 (1).pdf

778K



HRR_photos NOI.docx

790K



Castle Aggregates

549 East Cucharras, Street Colorado Springs, CO 80919 Ph:719-598-0215 Fax:719-598-3053

Colorado Division of Reclamation Mining & Safety
1313 Sherman Street, No. 215
Denver, Colorado 80203

**Re: Hitch Rack Ranch Notice of Intent Exploration Permit
Permit # P-2014-016 and P-2017-008 (Referenced M-2016-010)
2485 Hitch Rack Ranch Road, Colorado Springs, CO.**

Person conducting the exploration: Jerald Schnabel

**Contact Person: Jerald Schnabel
549 East Cucharras Street
Colorado Springs CO 80903
Phone 719-491-0114**

Dear Tim:

Castle Concrete Company, a Colorado corporation dba Castle Aggregates (formerly known as Transit Mix Concrete Co., hereinafter "Castle"), conducted certain discrete mining exploration activities at the Hitch Rack Ranch in connection with the pursuit of a 112 construction materials reclamation permit (File Number M-2016-010 NOI Permit # P-2014-016 and P-2017-008). These activities included the construction of certain access roads and the installation of five monitoring wells.

All haul roads have been graded and reseeded per the NOI. Fallen trees have been used to control erosion in some areas. All drill logs have been permanently closed and Monitoring wells capped. Some minor Mullin growth has been sprayed with herbicide

Castle Aggregates believes that final reclamation has been completed pursuant to Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials, 2 C.C.R. 407-4:1.1 et seq., including Rules 3 and 5, and Colorado Land Reclamation Act for the Extraction of Construction Materials, C.R.S. 34-32.5-101 *et seq.* including Section 34-32.5-113. Please contact me if you need further information regarding these issues.

Sincerely,

A handwritten signature in cursive script, reading "Jerald Schnabel". The signature is written in black ink on a light-colored background.

Jerald Schnabel
Castle Aggregate

February 2, 2020

Colorado Division of Reclamation Mining & Safety
1313 Sherman Street, No. 215
Denver, Colorado 80203

Re: Reclamation at Hitch Rack Ranch; 2485 Hitch Rack Ranch Road, Colorado Springs, CO.

To whom it may concern:

RMBC Group, L.L.C., a Colorado limited liability company owns the surface estate of certain real property located at 2485 Hitch Rack Ranch Road, Colorado Springs, El Paso County, Colorado (the "Hitch Rack Ranch" or "Ranch"). As you may know, Castle Concrete Company, a Colorado corporation dba Castle Aggregates (formerly known as Transit Mix Concrete Co., hereinafter "Castle"), conducted certain discrete mining exploration activities at the Hitch Rack Ranch in connection with the pursuit of a 112 construction materials reclamation permit (File Number M-2016-010). These activities included the construction of certain access roads and the installation of five monitoring wells.

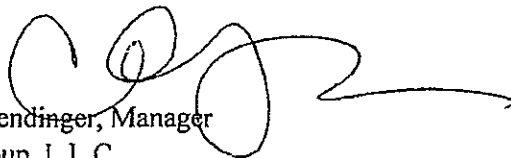
The purpose of this letter is to inform the Division that RMBC has no objections regarding reclamation at the Ranch and its discussions with Castle regarding the same.

RMBC has no objection to the access roads and all of the monitoring wells currently on the Ranch property, and RMBC does not object to having the access roads and the monitoring wells remain in place, as they are, on the Ranch. Castle has been informed of RMBC's lack of objection to keeping both the access roads and monitoring wells in place on the Ranch.

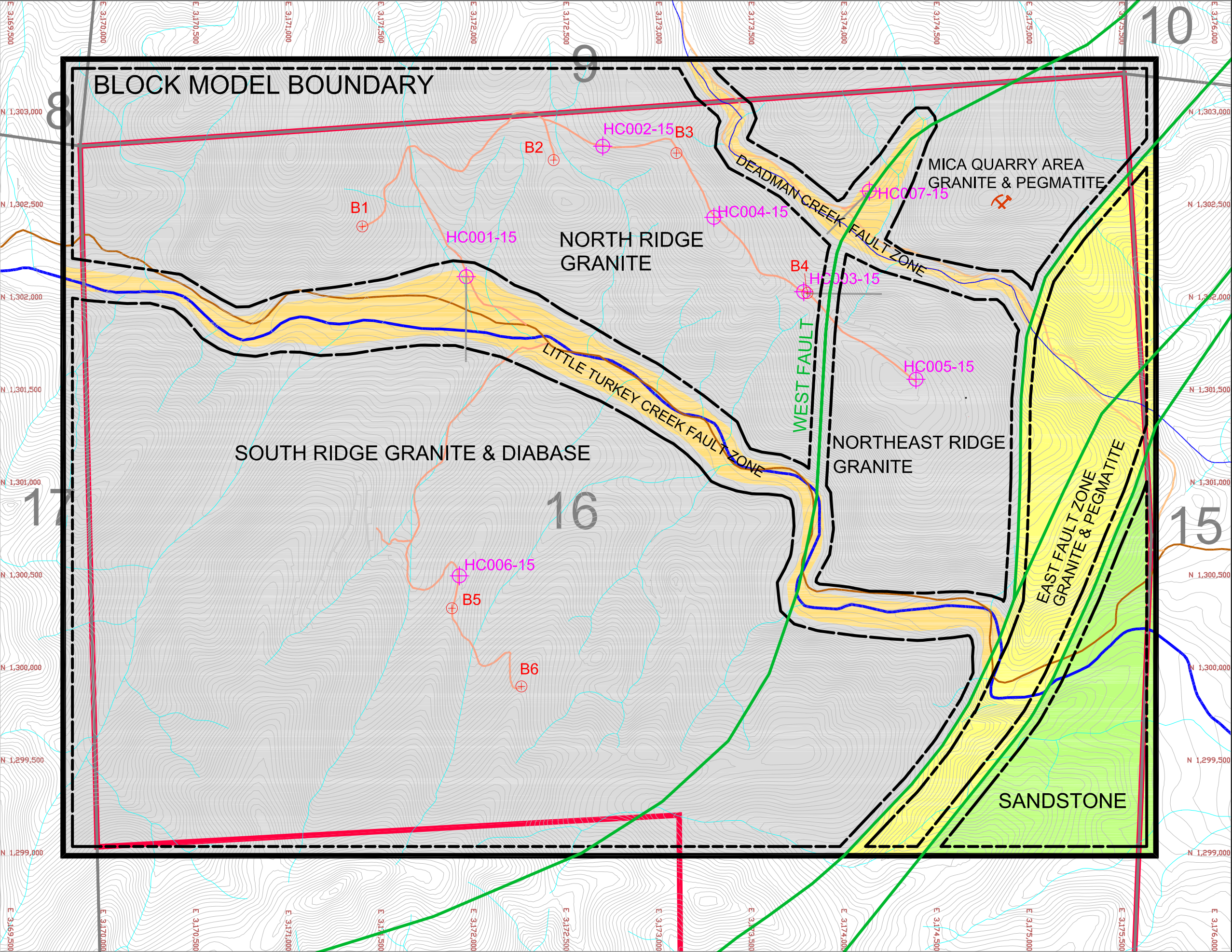
RMBC does not object, for all purposes, to Castle's performance with respect to the Ranch and believes that final reclamation has been completed pursuant to Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials, 2 C.C.R. 407-4:1.1 *et seq.*, including Rules 3 and 5, and Colorado Land Reclamation Act for the Extraction of Construction Materials, C.R.S. 3432.5101 *et seq.* including Section 34-32.5-113.

Please contact me if you need further information regarding these issues.

Sincerely,

A handwritten signature in black ink, appearing to read 'Cindi Allmendinger', with a long horizontal flourish extending to the right.

Cindi Allmendinger, Manager
RMBC Group, L.L.C.



LEGEND

BOUNDARY

DRILL HOLES

B1 COMPLETED 2014

HC001-15 COMPLETED 2015

INCLINED HOLE PLAN VIEW TRACE

PROJECTED FAULT TRACE

UNPAVED ROADS

LITTLE TURKEY CREEK ROAD

EXISTING DRILLING ACCESS ROADS

MICA QUARRY

SURFACE DRAINAGE

LITTLE TURKEY CREEK

DEADMAN CREEK

EPHEMERAL STREAMS

SURFACE TOPOGRAPHY

CONTOUR INTERVAL 10FT

SURFACE GEOLOGY ZONES

BASEMENT ROCK - AGGREGATE ORE

CREEK BED FAULT ZONE

EAST FAULT ZONE

SANDSTONE

FAULT TRACE

GRID COORDINATES
COLORADO CENTRAL STATE PLANE NAD83
T16S, R62W, SECTION 16

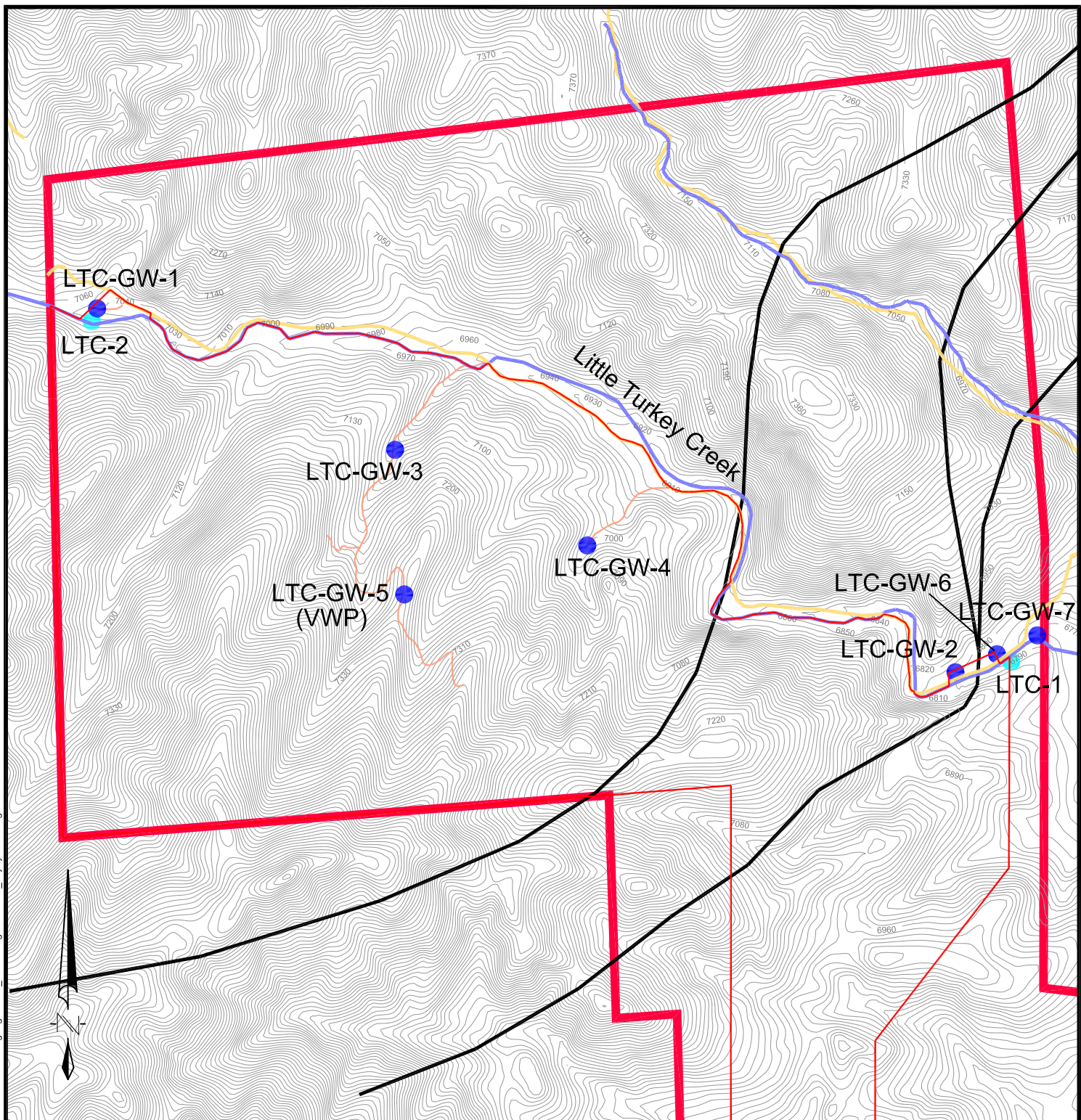
0 250 500 750
FEET

FIGURE 1

TRANSIT MIX
HITCH RACK RANCH
GEOLOGY PLAN

| | | |
|-------------------|--------------|-------------------------------|
| DATE: 01/06/2016 | SCALE: 1:500 | NORWEST CORPORATION |
| FILE: 591-3 FIG-1 | | |

Aug 06, 2017 - 9:21am Q:\Transit Mix 591\591-6_HRR_2017CDRMS\Disc\Monitoring\Figure 1-1_Monitoring Locations_19July2017.dwg



Legend

- Property Boundary
- - - Permit Boundary
- Fault
- Existing Road
- Existing Drill Road
- Groundwater Monitoring Well
- Surface Water Monitoring Station



NORWEST
CORPORATION



TRANSIT MIX
CONCRETE COMPANY

FIGURE 1-1 WATER MONITORING PLAN MAP

| | | | |
|-------------------|-----------------------------|-------------------|-----------------|
| DRAWN: PK | DATE: Aug 06, 2017 | PROJECT NO: 591-6 | SCALE: As Shown |
| REVIEWED: NORWEST | DATE REVIEWED: Sept 5, 2017 | | |

Figure 1-1_Monitoring Locations_19July2017.dwg



Photo of Access Road to Boring:



Photo of Access Road to Boring:



Photo of Access Road to Boring:



Photo of Access Road to Boring:



Photo of Access Road to Boring:



Photo of Access Road to Boring:



Photo of Access Road to Boring:



Photo of Access Road to Boring:



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Photo of Access Road to Boring:



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Photo of Access Road to Boring:



Photo of Access Road to Boring:



Photo of Access Road to Boring:



Photo of Access Road to Boring:

136 E. South Temple, Suite 1200
Salt Lake City, UT 84111
(801) 539-0044
(801) 539-0055 Fax

Drill Hole Completion Report

Location
Hole I.D. HC002-15 Location HRR Section _____ Twp _____ Rng _____
Project Hitch Rack Ranch Lease _____ County _____ State CO
Survey System UTM WGS84 North 4279414 East 0509124 Elev. 7248
ZONE 13 (hole has not been surveyed as of September 28, 2015), vertical hole

Drilling
Drilling Co. Major Drilling Driller Craig Johnson Start 8 / 13 / 15 Finish 8 / 15 / 15
Total Depth 202.2 Surface Casing Size PQ 0.0 to 15.0
Hole Size HQ .0 to 201.0 _____ to _____ to _____
Casing Size _____ to _____ to _____ to _____
Lost Circ. _____ to _____; _____ to _____; _____ to _____; Regained? Y ☐ N ☐
Drilling Conditions Air ☐ Water ☒ Mud ☐ Other _____ Water Invasion Depths _____, _____, _____, _____

Coring

| Major Rock | Interval | Major Rock | Interval | Major Rock | Interval |
|-------------------|----------|------------|----------|------------|----------|
| Granite Weathered | 0-25 | | | | |
| Granite | 25-201 | | | | |
| | | | | | |
| | | | | | |

Logging
Company COLOG Operator Cathie O'Niel Date 8 / 24 / 15
Log Depth (ft.) ?? Log Run: Gamma ☒ Density ☒ Resist ☒ Calip ☒ Other ATV, DEVIATION
Describe:

Completion
0 to 2 Cement ☒ Bentonite ☐ Grout ☐ Quantity 2 bags
2 to 201 Cement ☐ Bentonite ☐ Grout ☒ 50 gal water Quantity 6 bags
_____ to _____ Cement ☐ Bentonite ☐ Grout ☐ Quantity _____

Contractor Major Drilling Representative Craig Johnson Date 9 / 12 / 15
If open, explain _____

Reclamation
Explain:
Site has not been reclaimed as of September 28, 2015

Remarks:
Wood stake, steel bolt placed on the surface cement. , unable to retrieve the casing
PQ sized 13ft casing left in the hole, No ground water was encoutered.

Report Completed By Eggy Munkhtogoo Title Geologist Date 9-19-2015

136 E. South Temple, Suite 1200
Salt Lake City, UT 84111
(801) 539-0044
(801) 539-0055 Fax

Drill Hole Completion Report

Location
Hole I.D. HC003-15 Location HRR Section _____ Twp _____ Rng _____
Project Hitch Rack Ranch Lease _____ County _____ State CO
Survey System UTM WGS84 North 4279173 East 0509453 Elev. 7257
ZONE 13 (hole has not been surveyed as of Sept 28, 2015), angled hole inclination -55, azimuth 90

Drilling
Drilling Co. Major Drilling Driller Craig Johnson Start 8 / 16 / 15 Finish 8 / 23 / 15
Total Depth 791.0 Surface Casing Size PQ 0.0 to 20.0
Hole Size PQ 0.0 to 20.0 HQ 20.0 to 791.0 _____ to _____
Casing Size _____ to _____ to _____ to _____
Lost Circ. NA to _____; _____ to _____; _____ to _____; Regained? Y ☐ N ☐
Drilling Conditions Air ☐ Water ☒ Mud ☐ Other _____ Water Invasion Depths _____, _____, _____, _____

Coring

| Major Rock | Interval | Major Rock | Interval | Major Rock | Interval |
|-------------------|----------|--------------------------------|----------|------------|----------|
| Granite Weathered | 0-45 | Granite/ Granite Gneiss | 400-649 | Granite | 777-791 |
| Granite | 45-139 | Biotite Schist, Gness, Granite | 649-684 | | |
| Granite | 139-392 | Granite | 684-761 | | |
| Biotite Schist | 392-400 | Biotite Schist | 761-777 | | |

Logging
Company COLOG Operator Cathie Oniel Date 8 / 24 / 15
Log Depth (ft.) 791.5 Log Run: Gamma ☒ Density ☐ Resist ☒ Calip ☒ Other ATV, DEVIATION
Describe:
OBI in dry zone

Completion
0 to 2 Cement ☒ Bentonite ☐ Grout ☐ Quantity 3 bags
2 to 201 Cement ☐ Bentonite ☐ Grout ☒ 194 gal water Quantity 12 bags
_____ to _____ Cement ☐ Bentonite ☐ Grout ☐ Quantity _____

Contractor Major Drilling Representative Craig Johnson Date 8 / 25 / 15

If open, explain _____

Reclamation
Explain:
Site has not been reclaimed as of September 28 2015

Remarks:
Wood stake, steel bolt placed on the surface cement. casing pulled off and cement cap is placed
No ground water was encountered.

Report Completed By John Bilbo Title Geologist Date 8-25-2015

136 E. South Temple, Suite 1200
 Salt Lake City, UT 84111
 (801) 539-0044
 (801) 539-0055 Fax

Drill Hole Completion Report

Location
 Hole I.D. HC006-15 Location HRR Section _____ Twp _____ Rng _____
 Project Hitch Rack Ranch Lease _____ County _____ State CO
 Survey System UTM WGS84 (GPS) North 4278709 East 508884 Elev. 7280ft
 ZONE 13 (hole has not been surveyed as of September 28, 2015), vertical hole

Drilling
 Drilling Co. Major Drilling Driller Craig Johnson Start 9 / 15 / 15 Finish 8 / 23 / 15
 Total Depth 685.0 Surface Casing Size PQ 0.0 to 20.0
 Hole Size PQ 0.0 to 20.0 HQ 20.0 to 791.0 _____ to _____
 Casing Size _____ to _____ to _____ to _____ to _____
 Lost Circ. NA to _____; _____ to _____; _____ to _____; Regained? Y ☐ N ☐
 Drilling Conditions Air ☐ Water ☒ Mud ☐ Other _____ Water Invasion Depths _____, _____, _____, _____

| Major Rock | Interval | Major Rock | Interval | Major Rock | Interval |
|------------------------|----------|------------|----------|------------|----------|
| Granite Weathered | 0-37 | Granite | 501-523 | | |
| Granite Gneiss/Granite | 37-320 | Diabase | 523-633 | | |
| Granite | 320-468 | Granite | 633-655 | | |
| Diabase | 468-501 | Diabase | 655-685 | | |

Logging
 Company Colog Operator Cathie Oniel Date 9 / 23 / 15
 Log Depth (ft.) 684.7 Log Run: Gamma ☒ Density ☒ Resist ☒ Calip ☒ Other ATV, DEVIATION
 Describe: _____

Completion
 0 to 3 Cement ☒ Bentonite ☐ Grout ☐ Quantity 3 bags
 3 to 702.5 Cement ☐ Bentonite ☐ Grout ☒ 380 gal water Quantity 12 bags
 _____ to _____ Cement ☐ Bentonite ☐ Grout ☐ Quantity _____

Contractor Major Drilling Representative Craig Johnson Date 8 / 25 / 15

If open, explain _____

Reclamation
 Explain:
Site has not been reclaimed as of September 28, 2015

Remarks:
Wood stake, steel bolt placed on the cemented surface Casing pulled off and cement cap is placed at 0-3ft. No ground water encountered. small caving at 380ft

Report Completed By Derek Loveday Title Geologist Date 9-23-2015



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

MINERAL EXPLORATION DRILL HOLE PERMANENT ABANDONMENT FINAL REPORT

Pursuant to the terms of 34-32.5-113(7)(c) and (d) of the Act and Rule 5.6 of the Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials, 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.

Hitch Rack Ranch

(EXPLORATION SITE NAME)

P 2017-008

(EXPLORATION NOI No.)

I. DRILL HOLE: Drill Hole I.D. No.

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

103 ft

(Total Depth)

9 ft

(Depth of Unconsolidated Material)

94 ft

(Depth of Penetration into Bedrock)

Was water encountered:

No ☐

Yes ☒

if so, at what depth(s):

9 ft

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

Yes ☐

Date Drilled:

July 19, 2017

Date Permanently Abandoned:

N/A

II. OPERATOR (Person Conducting Exploration) : DRILLER:

Transit Mix Concrete Co.

(Name)

Authentic Drilling - Scott Nyseth

(Name)

444 E. Costilla St.

(Address)

33555 County Road 37

(Address)

Colorado Springs

(City)

CO

(State)

Kiowa

(City)

CO

(State)

80903

(Zip)

(719) 475-0700

(Telephone No.)

80117

(Zip)

(720) 465-1450

(Telephone No.)



III. LOCATION:

The following information is required for ALL exploration drill holes:

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

Prime 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:

- ☐ 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:

Transit Mix will regrade all access roads and drill pads and seed using the drilling method wherever possible using the approved seed mix designated in NOI P-2017-008.

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

(Name of Operator's Representative)

(Title)

(Signature of Operator's Representative)

(Date)



136 E. South Temple, Suite 1200
Salt Lake City, UT 84111
(801) 539-0044
(801) 539-0055 Fax

Drill Hole Completion Report

Location
Hole I.D. HC001-15 Location HRR Section _____ Twp _____ Rng _____
Project Hitch Rack Ranch Lease _____ County _____ State CO
Survey System UTM WGS84 (GPS) North 4279201 East 508898 Elev. 6759ft
ZONE 13 (hole has not been surveyed as of Sept28, 2015), angled hole inclination-50, azimuth 180

Drilling
Drilling Co. Major Drilling Driller Craig Johnson Start 8 / 2 / 15 Finish 8 / 12 / 15
Total Depth 800.0 Surface Casing Size PQ 0.0 to 65.0
Hole Size PQ 0.0 to 65.0 HQ 65.0 to 791.0 _____ to _____
Casing Size _____ to _____ to _____ to _____
Lost Circ. NA to _____; _____ to _____; _____ to _____; Regained? Y ☐ N ☐
Drilling Conditions Air ☐ Water ☒ Mud ☐ Other _____ Water Invasion Depths _____, _____, _____, _____

| Major Rock | Interval | Major Rock | Interval | Major Rock | Interval |
|------------------------|----------|------------|----------|------------|----------|
| Granite Weathered | 0-37 | Granite | 501-523 | | |
| Granite Gneiss/Granite | 37-320 | Diabase | 523-633 | | |
| Granite | 320-468 | Granite | 633-655 | | |
| Diabase | 468-501 | Diabase | 655-685 | | |

Logging
Company _____ Operator _____ Date ____/____/____
Log Depth (ft.) _____ Log Run: Gamma ☐ Density ☐ Resist ☐ Calip ☐ Other _____
Describe:
Not logged

Completion
0 to 3 Cement ☒ Bentonite ☐ Grout ☐ Quantity _____
3 to 73 Cement ☐ Bentonite ☐ Grout ☒ 75 gal water Quantity 5 bags
_____ to _____ Cement ☐ Bentonite ☐ Grout ☐ Quantity _____
Contractor Major Drilling Representative Craig Johnson Date 8 / 25 / 15

Reclamation
If open, explain Hole was caved at 0-73 ft and was abandoned to 73 ft.
Explain:
Site has not been reclaimed as of September 28, 2015

Remarks:
Casing was pulled off upon completion. Attempted to reenter the hole on Sept 9 (after one month).
Difficulties to align to the original hole, drilled 6ft below casing and called off. Drilled through
major fault zone. No ground water was encountered. Small amount of mud used

Report Completed By Eggy Munkhtogoo Title Geologist Date 9-23-2015

136 E. South Temple, Suite 1200
 Salt Lake City, UT 84111
 (801) 539-0044
 (801) 539-0055 Fax

Drill Hole Completion Report

Location
 Hole I.D. HC007-15 Location HRR Section _____ Twp _____ Rng _____
 Project Hitch Rack Ranch Lease _____ County _____ State CO
 Survey System UTM WGS84 (GPS) North 4279338 East 509562 Elev. 7347ft
 ZONE 13 (hole has not been surveyed as of Sept 28, 2015), angled hole, inclination -50, azimuth 225

Drilling
 Drilling Co. Major Drilling Driller Craig Johnson Start 9 / 26 / 15 Finish 10 / 1 / 15
 Total Depth 496.0 Surface Casing Size PQ 0.0 to 60.0
 Hole Size PQ 0.0 to 60.0 HQ 60.0 to 496.0 _____ to _____
 Casing Size _____ to _____ to _____ to _____
 Lost Circ. NA to _____; _____ to _____; _____ to _____; Regained? Y ☐ N ☐
 Drilling Conditions Air ☐ Water ☒ Mud ☐ Other _____ Water Invasion Depths _____, _____, _____, _____

| Major Rock | Interval | Major Rock | Interval | Major Rock | Interval |
|-----------------------------|----------|----------------|----------|------------|----------|
| Granite weathered/Pegmatite | 0-37 | Granodiorite | 168-264 | | |
| Granite gneiss/Granite | 37-99 | Granite gneiss | 264-368 | | |
| Pegmatite | 99-125 | Granite | 368-496 | | |
| Granite gneiss | 125-168 | | | | |

Logging
 Company Colog Operator Cathie Oniel Date 10 / 1 / 15
 Log Depth (ft.) 496.0 Log Run: Gamma ☐ Density ☒ Resist ☒ Calip ☒ Other ATV, DEVIATION
 Describe: _____

Completion
 0 to 3 Cement ☒ Bentonite ☐ Grout ☐ Quantity 3 bags
 3 to 496.0 Cement ☐ Bentonite ☐ Grout ☒ 350 gal water Quantity 10 bags
 _____ to _____ Cement ☐ Bentonite ☐ Grout ☐ Quantity _____
 Contractor Major Drilling Representative Craig Johnson Date 10 / 1 / 15

Reclamation
 If open, explain _____
 Explain:
Site has not been reclaimed as of Oct 1, 2015

 Remarks:
Casing pulled off and cement cap is placed. No ground water encountered. fault zone 120-165
small caving at 160

Report Completed By Eggy Munkhtogoo Title Geologist Date 10-2-2015



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

MINERAL EXPLORATION DRILL HOLE PERMANENT ABANDONMENT FINAL REPORT

Pursuant to the terms of 34-32.5-113(7)(c) and (d) of the Act and Rule 5.6 of the Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials, 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.

Hitch Rack Ranch

(EXPLORATION SITE NAME)

P 2017-008

(EXPLORATION NOI No.)

I. DRILL HOLE: Drill Hole I.D. No.

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

400 ft

(Total Depth)

0 ft

(Depth of Unconsolidated Material)

400 ft

(Depth of Penetration into Bedrock)

Was water encountered:

No ☐

Yes ☒

if so, at what depth(s):

340 ft

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

Yes ☐

Date Drilled:

July 28, 2017

Date Permanently Abandoned:

August 1, 2017

II.

Transit Mix Concrete Co.

Authentic Drilling - Scott Nyseth

444 E. Costilla St.

33555 County Road 37

Colorado Springs

CO

Kiowa

CO

80903

(719) 475-0700

80117

(720) 465-1450



III. LOCATION:

The following information is required for ALL exploration drill holes:

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

Prime 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:

Cement Grout by weight. Portland Cement : Gel : Water 1 : 0.3 : 2.5

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:

- ☐ 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:

Transit Mix will regrade all access roads and drill pads and seed using the drilling method wherever possible using the approved seed mix designated in NOI P-2017-008.

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

(Name of Operator's Representative)

(Title)

(Signature of Operator's Representative)

(Date)

136 E. South Temple, Suite 1200
Salt Lake City, UT 84111
(801) 539-0044
(801) 539-0055 Fax

Drill Hole Completion Report

Location
Hole I.D. HC007-15 Location HRR Section _____ Twp _____ Rng _____
Project Hitch Rack Ranch Lease _____ County _____ State CO
Survey System UTM WGS84 (GPS) North 4279338 East 509562 Elev. 7347ft
ZONE 13 (hole has not been surveyed as of Sept 28, 2015), angled hole, inclination -50, azimuth 225

Drilling
Drilling Co. Major Drilling Driller Craig Johnson Start 9 / 26 / 15 Finish 10 / 1 / 15
Total Depth 496.0 Surface Casing Size PQ 0.0 to 60.0
Hole Size PQ 0.0 to 60.0 HQ 60.0 to 496.0 _____ to _____
Casing Size _____ to _____ to _____ to _____
Lost Circ. NA to _____; _____ to _____; _____ to _____; Regained? Y ☐ N ☐
Drilling Conditions Air ☐ Water ☒ Mud ☐ Other _____ Water Invasion Depths _____, _____, _____, _____

Coring

| Major Rock | Interval | Major Rock | Interval | Major Rock | Interval |
|-----------------------------|----------|----------------|----------|------------|----------|
| Granite weathered/Pegmatite | 0-37 | Granodiorite | 168-264 | | |
| Granite gneiss/Granite | 37-99 | Granite gneiss | 264-368 | | |
| Pegmatite | 99-125 | Granite | 368-496 | | |
| Granite gneiss | 125-168 | | | | |

Logging
Company Colog Operator Cathie Oniel Date 10 / 1 / 15
Log Depth (ft.) 496.0 Log Run: Gamma ☐ Density ☒ Resist ☒ Calip ☒ Other ATV, DEVIATION
Describe:

Completion
0 to 3 Cement ☒ Bentonite ☐ Grout ☐ Quantity 3 bags
3 to 496.0 Cement ☐ Bentonite ☐ Grout ☒ 350 gal water Quantity 10 bags
_____ to _____ Cement ☐ Bentonite ☐ Grout ☐ Quantity _____

Contractor Major Drilling Representative Craig Johnson Date 10 / 1 / 15
If open, explain _____

Reclamation
Explain:
Site has not been reclaimed as of Oct 1, 2015

Remarks:
Casing pulled off and cement cap is placed. No ground water encountered. fault zone 120-165
small caving at 160

Report Completed By Eggy Munkhtogoo Title Geologist Date 10-2-2015



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

MINERAL EXPLORATION DRILL HOLE PERMANENT ABANDONMENT FINAL REPORT

Pursuant to the terms of 34-32.5-113(7)(c) and (d) of the Act and Rule 5.6 of the Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials, 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.

Hitch Rack Ranch

(EXPLORATION SITE NAME)

P 2017-008

(EXPLORATION NOI No.)

I. DRILL HOLE: Drill Hole I.D. No.

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

203 ft

(Total Depth)

4 ft

(Depth of Unconsolidated Material)

199 ft

(Depth of Penetration into Bedrock)

Was water encountered:

No ☐

Yes ☒

if so, at what depth(s):

15 ft

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

Yes ☐

Date Drilled:

July 20, 2017

Date Permanently Abandoned:

N/A

II. OPERATOR (Person Conducting Exploration) : DRILLER:

Transit Mix Concrete Co.

(Name)

Authentic Drilling - Scott Nyseth

(Name)

444 E. Costilla St.

(Address)

33555 County Road 37

(Address)

Colorado Springs

(City)

CO

(State)

Kiowa

(City)

CO

(State)

80903

(Zip)

(719) 475-0700

(Telephone No.)

80117

(Zip)

(720) 465-1450

(Telephone No.)



III. LOCATION:

The following information is required for ALL exploration drill holes:

| | | | | | | | | |
|-----|------------|----------------|----------------|---------|----------|--------|-------|-----|
| SW | 1/4 of the | NE | 1/4 of Section | 16 | Township | 16S | Range | 67W |
| 6th | | Prime Meridian | | El Paso | | 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:

| | | | | | | | | | |
|----------------------|------|--------------------------|-------|--------------------------|----------------|--------------------------|-------|--------------------------|--------------------|
| <input type="text"/> | Feet | <input type="checkbox"/> | North | <input type="checkbox"/> | South from the | <input type="checkbox"/> | South | <input type="checkbox"/> | North section line |
| <input type="text"/> | feet | <input type="checkbox"/> | east | <input type="checkbox"/> | West from the | <input type="checkbox"/> | west | <input type="checkbox"/> | 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)

| | | |
|--------------------------|--|----------------------|
| <input type="checkbox"/> | 1. Plugged dry hole, method of plugging: | <input type="text"/> |
|--------------------------|--|----------------------|

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

| | |
|--------------------------|---|
| <input type="checkbox"/> | 2. Sealed Hole (when groundwater is encountered): |
|--------------------------|---|

| | |
|--------------------------|---|
| <input type="checkbox"/> | 2a. Neat Cement Grout, top to bottom: grout mixture used: |
|--------------------------|---|

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

| |
|----------------------|
| <input type="text"/> |
|----------------------|

| | |
|--------------------------|---|
| <input type="checkbox"/> | 2b. Neat Cement Grout, interval grouting: grout mixture used: |
|--------------------------|---|

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

| |
|----------------------|
| <input type="text"/> |
|----------------------|

| | |
|--------------------------|---|
| <input type="checkbox"/> | 2c. Abandonment Fluid Mixture (Such as Sodium Bentonite with Polymer) Brand Name: |
|--------------------------|---|

| |
|----------------------|
| <input type="text"/> |
|----------------------|

Marsh Funnel viscosity of abandonment fluid: sec.

Type of surface plugging used:

Depth at which plug set: feet below ground surface,

Method:

- ☐ 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:

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

(Name of Operator's Representative)

(Title)

(Signature of Operator's Representative)

(Date)



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

MINERAL EXPLORATION DRILL HOLE PERMANENT ABANDONMENT FINAL REPORT

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Hitch Rack Ranch

(EXPLORATION SITE NAME)

P 2017-008

(EXPLORATION NOI No.)

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202 ft

(Total Depth)

4 ft

(Depth of Unconsolidated Material)

198 ft

(Depth of Penetration into Bedrock)

Was water encountered:

No

☐

Yes

☒

if so, at what depth(s):

15 ft

Was water encountered in either Volcanic or Sedimentary Rock: No

☒

Yes

☐

Date Drilled:

July 25, 2017

Date Permanently Abandoned:

N/A

II. OPERATOR (Person Conducting Exploration) : DRILLER:

Transit Mix Concrete Co.

(Name)

Authentic Drilling - Scott Nyseth

(Name)

444 E. Costilla St.

(Address)

33555 County Road 37

(Address)

Colorado Springs

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Kiowa

(City)

CO

(State)

80903

(Zip)

(719) 475-0700

(Telephone No.)

80117

(Zip)

(720) 465-1450

(Telephone No.)



III. LOCATION:

The following information is required for ALL exploration drill holes:

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

Prime 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:

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(Name of Operator's Representative)

(Title)

(Signature of Operator's Representative)

(Date)