

STATE OF
COLORADO

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

PRM Hansen Project Well Construction Reports

1 message

Bruce Smith <bsmith@westernwaterandland.com>

Fri, Sep 17, 2021 at 2:37 PM

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

Cc: "Michael Rutter (mrutter@western-uranium.com)" <mrutter@western-uranium.com>

Hello Tim,

Good talking with you and Mike this afternoon concerning prospecting permit no. P-2009-025. . Please see the attached well construction reports for the five monitoring wells located on Middle Tallahassee Creek as installed by Black Range Minerals in the fall of 2013. If you require other information, please feel free to contact me.

Regards,

Bruce Smith

Bruce D. Smith, P.G.**Principal Hydrogeologist**

Western Water & Land, Inc.

743 Horizon Ct. Suite 330

Grand Junction, CO 81506

Office: 970-242-0170

Mobile: 970-270-6216

5 attachments**DWR_MW27-290_295839.pdf**
252K**DWR_MW27-291_295840.pdf**
251K**DWR_MW27-292_295841.pdf**
248K**DWR_MW27-293_295842.pdf**
257K**DWR_MW27-294_295843.pdf**
256K

FORM NO. GWS-31 4/2012	WELL CONSTRUCTION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Ste 821, Denver, CO 80203 Main (303) 866-3581 Fax (303) 866-3589 www.water.state.co.us	For Office Use Only RECEIVED NOV 25 2013 WATER RESOURCES STATE ENGINEER C.O.		
1. WELL PERMIT NUMBER: <u>516583MH</u> <u>295839</u>				
2. WELL OWNER INFORMATION NAME OF WELL OWNER: <u>Black Range Minerals</u>				
MAILING ADDRESS: <u>110 N. Rubey Dr. Ste 201</u>				
CITY: <u>Golden</u> STATE: <u>CO</u> ZIP CODE: <u>80403</u>				
TELEPHONE NUMBER w/area code: <u>(303) 279-4946</u>				
3. WELL LOCATION AS DRILLED: <u>NW</u> 1/4, <u>NE</u> 1/4, Sec., <u>27</u> Twp <u>17</u> <input type="checkbox"/> N or S, <input checked="" type="checkbox"/> Range <u>73</u> <input type="checkbox"/> E or W <input checked="" type="checkbox"/> DISTANCES FROM SEC. LINES: <u>993</u> ft. from <input checked="" type="checkbox"/> N or <input type="checkbox"/> S section line and <u>2526</u> ft. from <input checked="" type="checkbox"/> E or <input type="checkbox"/> W section line. SUBDIVISION: <u>South T-Bar F6</u> , LOT <u>102</u> , BLOCK <u> </u> , FILING (UNIT) <u>6</u> Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, <input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13 Owner's Well Designation: <u>MW-DG-1</u> Easting: <u>452762</u> STREET ADDRESS AT WELL LOCATION: <u>Mountain Meadows Trail</u> Northing: <u>4266332</u>				
4. GROUND SURFACE ELEVATION <u>8125</u> feet DRILLING METHOD <u>Air Rotary</u> DATE COMPLETED <u>09/29/2013</u> TOTAL DEPTH <u>32</u> feet DEPTH COMPLETED <u>29</u> feet				
5. GEOLOGIC LOG:				
Depth	Type	Grain Size	Color	Water Loc.
<u>0-16</u>	<u>alluvium</u>	<u>silt to bldr</u>	<u>dk brn</u>	
<u>16-32</u>	<u>conglomerate</u>	<u>cly to bldr</u>	<u>rust brn</u>	<u>18'</u>
6. HOLE DIAM (in.) From (ft) To (ft) <u>9 7/8</u> <u>0</u> <u>32</u>				
7. PLAIN CASING: OD (in) Kind Wall Size (in) From (ft) To (ft) <u>2.375</u> <u>PVC</u> <u>0.154</u> <u>+3.25</u> <u>-24</u>				
PERFORATED CASING: Screen Slot Size (in): <u>0.02</u> <u>2.375</u> <u>PVC</u> <u>0.154</u> <u>-24</u> <u>-29</u>				
8. FILTER PACK: Material <u>sand</u> Size <u>10-20</u> Interval <u>-29 to -10</u>				
9. PACKER PLACEMENT: Type <u> </u> Depth <u> </u>				
10. GROUTING RECORD Material Amount Density Interval Placement <u>bentonite</u> <u>12</u> <u>50 lbs/sa</u> <u>-10 to -3 ft</u> <u>gravity</u> <u>concrete</u> <u>3</u> <u>94 lbs/sa</u> <u>-3 to 0</u> <u>gravity</u>				
Remarks: <u>Annular seal above sand of hydrated bentonite chips to 3 feet bgs</u>				
11. DISINFECTION: Type <u>NA</u> Amt. Used <u> </u>				
12. WELL TEST DATA: <input checked="" type="checkbox"/> Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.				
TESTING METHOD Static Level <u> </u> ft. Date/Time measured <u> </u> Production Rate <u> </u> gpm. Pumping Level <u> </u> ft. Date/Time measured <u> </u> Test Length (hrs) <u> </u> Remarks: <u> </u>				
13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed (or name entered if filing online) and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license. If filing online the State Engineer considers entering of licensed contractor name to be compliance with Rule 17.4				
Company Name: <u>Black Range Minerals</u>			Phone w/area code: <u>(303) 279-4946</u> License Number: <u>1039</u>	
Mailing Address: <u>110 N. Rubey Dr. Ste 201, Golden, CO 80403</u>				
Sign (or enter name if filing online) <u>Patrick Coleman Siglin</u>			Print Name and Title <u>Patrick Coleman Siglin, Geologist</u> Date <u>11/24/2013</u>	

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

1039

WELL PERMIT NUMBER 295839 - -
DIV. 2 WD 12 DES. BASIN MD

APPLICANT

Lot: 102 Block: Filing: 6 Subdiv: SOUTH T BAR

BLACK RANGE MATERIALS
110 N RUBEY DR
STE 201
GOLDEN, CO 80403-

(303) 279-4946

APPROVED WELL LOCATION

FREMONT COUNTY

NW 1/4 NE 1/4 Section 27
Township 17 S Range 73 W Sixth P.M.

DISTANCES FROM SECTION LINES

995 Ft. from North Section Line
2609 Ft. from East Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: 452762 Northing: 4266332

PERMIT TO USE AN EXISTING WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(i) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) Approved for the use of an existing well acknowledged for construction under monitoring hole notice MH-51858, and known as MW-DG-1 (MW-27-290).
- 5) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 6) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 7) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 8) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 9) This well must have been constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules.
- 10) This well must be located not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

NOTICE: This permit has been approved subject to the following changes: The distances from section lines were calculated from UTM coordinate values provided with the permit application. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

APPROVED
SMJ

State Engineer

Receipt No. 3666395A

DATE ISSUED 09-30-2014

By

EXPIRATION DATE

N/A

COLORADO DIVISION OF WATER RESOURCES DEPARTMENT OF NATURAL RESOURCES 1313 SHERMAN ST., Ste 821, DENVER CO 80203 Phone: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us				Office Use Only <div style="border: 1px solid black; padding: 5px; text-align: center;"> Form GWS-46 (11/2011) RECEIVED SEP 02 2014 WATER RESOURCES STATE ENGINEER COLO </div>	
MONITORING/OBSERVATION Water Well Permit Application Review instructions on reverse side prior to completing form. The form must be typed, completed online or in black or blue ink.					
1. Well Owner Information					
Name of well owner					
Black Range Minerals					
Mailing address					
110 N. Rubey Dr. Ste 201					
City	State	Zip code			
Golden	CO	80403			
Telephone #	E-Mail (if filing online it is required)				
(303) 279-4946	psiglin@blackrangeminerals.com				
2. Type Of Application (check applicable boxes)					
<input type="checkbox"/> Use existing well <input type="checkbox"/> Replacement for existing monitoring well: <input checked="" type="checkbox"/> Construct new well Permit no.: <input type="checkbox"/> Other:					
3. Refer To (if applicable)					
Monitoring hole acknowledgment		Well name or #			
MH- 51858		MW-DG-1 (MW-27-290)			
4. Location Of Proposed Well (Important! See Instructions)					
County		NW 1/4 of the NE 1/4			
Fremont					
Section	Township	N or S	Range		
27	17	<input checked="" type="checkbox"/> N <input type="checkbox"/> S	73		
		E or W	Principal Meridian		
		<input type="checkbox"/> E <input checked="" type="checkbox"/> W	6th		
Distance of well from section lines (section lines are typically not property lines)					
993 Ft from <input checked="" type="checkbox"/> N <input type="checkbox"/> S 2526 Ft from <input checked="" type="checkbox"/> E <input type="checkbox"/> W					
For replacement wells only – distance and direction from old well to new well					
feet direction					
Well location address (Include City, State, Zip) <input type="checkbox"/> Check if well address is same as Item 1					
South T-Bar F6 Lot 102, Mountain Meadows Trail, Fremont Co					
Optional: GPS well location information in UTM format					
You must check GPS unit for required settings as follows:					
Format must be UTM					
<input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13		Easting 452762			
Units must be Meters		Northing 4266332			
Datum must be NAD83		Remember to set Datum to NAD83			
Unit must be set to true north					
Was GPS unit checked for above? <input checked="" type="checkbox"/> YES					
5. Property Owner Information					
Name of property owner					
Danny G. Snow					
Mailing address					
17090 Thousand Oaks Drive					
City	State	Zip Code			
Haymarket	VA	20169			
Telephone #					
NA					
6. Use Of Well					
Use of this well is limited to monitoring water levels and/or water quality sampling					
7. Well Data (proposed)					
Total depth	feet		Aquifer		
32			Alluvium/Ttc		
8. Consultant Information (if applicable)					
Name of contact person					
Company name					
Mailing address					
City	State	Zip Code			
Telephone #					
9. Proposed Well Driller License #(optional):					
10. Name of Well Owner or Authorized Agent					
The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.					
Sign or enter full name here			Date (mm/dd/yyyy)		
Patrick C. Siglin			09/02/2014		
If signing print name. Print title if other than land owner					
Geologist					
Office Use Only					
USGS map name		DWR map no	Surface elev		
995N 2609E		Receipt area only			
		A			
Transaction #		3666395			
Date		9/2/2014 9:53:31 AM			
Transaction Total		\$500.00			
CREDIT CARD		\$500.00			
DIV <u>2</u> WD <u>12</u> BA _____ MD _____					

[illegible]

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

1039

WELL PERMIT NUMBER 295840 - -
DIV. 2 WD 12 DES. BASIN MD

APPLICANT

Lot: 102 Block: Filing: 6 Subdiv: SOUTH T BAR

BLACK RANGE MATERIALS
110 N RUBEY DR
STE 201
GOLDEN, CO 80403-

(303) 279-4946

APPROVED WELL LOCATION

FREMONT COUNTY

NW 1/4 NE 1/4 Section 27
Township 17 S Range 73 W Sixth P.M.

DISTANCES FROM SECTION LINES

975 Ft. from North Section Line
2610 Ft. from East Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: 452762 Northing: 4266338

PERMIT TO USE AN EXISTING WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(I) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) Approved for the use of an existing well acknowledged for construction under monitoring hole notice MH-51858, and known as MW-DG-2(MW-27-291).
- 5) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 6) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 7) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 8) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 9) This well must have been constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules.
- 10) This well must be located not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

NOTICE: This permit has been approved subject to the following changes: The distances from section lines were calculated from UTM coordinate values provided with the permit application. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

APPROVED
SMJ

State Engineer

DATE ISSUED 09-30-2014

By

EXPIRATION DATE N/A

Receipt No. 3666395B

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 SHERMAN ST., Ste 821, DENVER CO 80203
Phone: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us

MONITORING/OBSERVATION

Water Well Permit Application

Review instructions on reverse side prior to completing form.
The form must be typed, completed online or in black or blue ink.

1. Well Owner Information

Name of well owner

Black Range Minerals

Mailing address

110 N. Rubey Dr. Ste 201

City

Golden

State

CO

Zip code

80403

Telephone #

(303) 279-4946

E-Mail (if filing online it is required)

psiglin@blackrangeminerals.com

2. Type Of Application (check applicable boxes)

- ☐ Use existing well ☐ Replacement for existing monitoring well:
☒ Construct new well Permit no.:
☐ Other:

3. Refer To (if applicable)

Monitoring hole acknowledgment

MH- 51858

Well name or #

MW-DG-2 (MW-27-291)

4. Location Of Proposed Well (Important! See Instructions)

County

Fremont

NW 1/4 of the NE 1/4

Section

27

Township

17

N or S

☒ N ☐ S

Range

73

E or W

☒ E ☐ W

Principal Meridian

6th

Distance of well from section lines (section lines are typically not property lines)

973 Ft from ☒ N ☐ S 2547 Ft from ☒ E ☐ W

For replacement wells only - distance and direction from old well to new well

feet

direction

Well location address (Include City, State, Zip) ☐ Check if well address is same as Item 1

South T-Bar F6, Lot 102, Mountain Meadows Trail, Fremont CO

Optional: GPS well location information in UTM format
You must check GPS unit for required settings as follows:

Format must be UTM

☐ Zone 12 or ☒ Zone 13

Units must be Meters

Datum must be NAD83

Unit must be set to true north

Was GPS unit checked for above? ☒ YES

Easting 452762

Northing 4266338

Remember to set Datum to NAD83

5. Property Owner Information

Name of property owner

Danny G. Snow

Mailing address

17090 Thousand Oaks Drive

City

Haymarket

State

VA

Zip Code

20169

Telephone #

NA

Office Use Only

Form GWS-46 (11/2011)

RECEIVED

SEP 02 2014

WATER RESOURCES
STATE ENGINEER
COLO

6. Use Of Well

Use of this well is limited to monitoring water levels
and/or water quality sampling

7. Well Data (proposed)

Total depth

253

feet

Aquifer

Ttc

8. Consultant Information (if applicable)

Name of contact person

Company name

Mailing address

City

State

Zip Code

Telephone #

9. Proposed Well Driller License #(optional):

10. Name of Well Owner or Authorized Agent

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.

Sign or enter full name here

Patrick C. Siglin

Date (mm/dd/yyyy)

09/02/2014

If signing print name Print title if other than land owner

Geologist

Office Use Only

USGS map name

DWR map no

Surface elev

975N
2610E

Receipt area only

Transaction # 3666395
Date 9/2/2014 9:53:31 AM
Transaction Total \$500.00
CREDIT CARD \$500.00

DIV ____ WD ____ BA ____ MD ____

[illegible]

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

1039

WELL PERMIT NUMBER 295841 - -
DIV. 2 WD-12 DES. BASIN MD

APPLICANT

Lot: 102 Block: Filing: 6 Subdiv: SOUTH T BAR

BLACK RANGE MATERIALS
110 N RUBEY DR
STE 201
GOLDEN, CO 80403-

(303) 279-4946

APPROVED WELL LOCATION

FREMONT COUNTY

NE 1/4 NW 1/4 Section 27
Township 17 S Range 73 W Sixth P.M.

DISTANCES FROM SECTION LINES

264 Ft. from North Section Line
1857 Ft. from West Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: 452464 Northing: 4266558

PERMIT TO USE AN EXISTING WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(I) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) Approved for the use of an existing well acknowledged for construction under monitoring hole notice MH-51857, and known as MW-F-1 (MW-27-292).
- 5) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 6) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 7) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 8) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 9) This well must have been constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules.
- 10) This well must be located not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

NOTICE: This permit has been approved subject to the following changes: The distances from section lines were calculated from UTM coordinate values provided with the permit application. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

APPROVED
SMJ

State Engineer

DATE ISSUED 09-30-2014

By

EXPIRATION DATE

N/A

Receipt No. 3666395C

COLORADO DIVISION OF WATER RESOURCES DEPARTMENT OF NATURAL RESOURCES 1313 SHERMAN ST., Ste 821, DENVER CO 80203 Phone: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us				Office Use Only <div style="text-align: right;"> Form GWS-46 (11/2011) RECEIVED SEP 02 2014 WATER RESOURCES STATE ENGINEER COLO </div>	
MONITORING/OBSERVATION Water Well Permit Application Review instructions on reverse side prior to completing form. The form must be typed, completed online or in black or blue ink.					
1. Well Owner Information					
Name of well owner					
Black Range Minerals					
Mailing address					
110 N. Rubey Dr. Ste 201					
City		State		Zip code	
Golden		CO		80403	
Telephone #			E-Mail (if filing online it is required)		
(303) 279-4946			psiglin@blackrangeminerals.com		
2. Type Of Application (check applicable boxes)					
<input type="checkbox"/> Use existing well <input type="checkbox"/> Replacement for existing monitoring well: <input checked="" type="checkbox"/> Construct new well Permit no.: <input type="checkbox"/> Other:					
3. Refer To (if applicable)					
Monitoring hole acknowledgment			Well name or #		
MH- 51857			MW-F-1 (MW-27-292)		
4. Location Of Proposed Well (Important! See Instructions)					
County					
Fremont			NE 1/4 of the NW 1/4		
Section	Township	N or S	Range	E or W	Principal Meridian
27	17	<input checked="" type="checkbox"/> N <input type="checkbox"/> S	73	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	6th
Distance of well from section lines (section lines are typically not property lines)					
230 Ft from <input checked="" type="checkbox"/> N <input type="checkbox"/> S 1870 Ft from <input type="checkbox"/> E <input checked="" type="checkbox"/> W					
For replacement wells only – distance and direction from old well to new well					
feet direction					
Well location address (Include City, State, Zip) <input type="checkbox"/> Check if well address is same as Item 1					
South T-Bar F6, Lot 102, Mountain Meadows Trail, Fremont CO					
Optional: GPS well location information in UTM format You must check GPS unit for required settings as follows					
Format must be UTM					
<input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13			Easting 452484		
Units must be Meters			Northing 4266558		
Datum must be NAD83			Remember to set Datum to NAD83		
Unit must be set to true north					
Was GPS unit checked for above? <input checked="" type="checkbox"/> YES					
5. Property Owner Information					
Name of property owner					
Danny G. Snow					
Mailing address					
17090 Thousand Oaks Drive					
City		State		Zip Code	
Haymarket		VA		20169	
Telephone #					
NA					
6. Use Of Well					
Use of this well is limited to monitoring water levels and/or water quality sampling					
7. Well Data (proposed)					
Total depth			Aquifer		
22 feet			Alluvium/Tmtl		
8. Consultant Information (if applicable)					
Name of contact person					
Company name					
Mailing address					
City		State		Zip Code	
Telephone #					
9. Proposed Well Driller License #(optional):					
10. Name of Well Owner or Authorized Agent					
The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.					
Sign or enter full name here					Date (mm/dd/yyyy)
Patrick C. Siglin					09/02/2014
If signing print name Print title if other than land owner					
Geologist					
Office Use Only					
USGS map name			DWR map no.		Surface elev
264 N 1857 W			Receipt area only		
Transaction #			3666395		
Date			9/2/2014		
Transaction Total			\$500.00		
CREDIT CARD			\$500.00		
DIV ____ WD ____ BA ____ MD ____					

[illegible]

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

1039

WELL PERMIT NUMBER 295842
DIV. 2 WD 12 DES. BASIN MD

APPLICANT

Lot: 102 Block: Filing: 6 Subdiv: SOUTH T BAR

BLACK RANGE MATERIALS
110 N RUBEY DR
STE 201
GOLDEN, CO 80403-

(303) 279-4946

APPROVED WELL LOCATION

FREMONT COUNTY
NE 1/4 NW 1/4 Section 27
Township 17 S Range 73 W Sixth P.M.

DISTANCES FROM SECTION LINES

274 Ft. from North Section Line
1825 Ft. from West Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: 452474 Northing: 4266555

PERMIT TO USE AN EXISTING WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(i) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) Approved for the use of an existing well acknowledged for construction under monitoring hole notice MH-51857, and known as MW-F-2(MW-27-293).
- 5) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 6) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 7) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 8) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 9) This well must have been constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules.
- 10) This well must be located not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

NOTICE: This permit has been approved subject to the following changes: The distances from section lines were calculated from UTM coordinate values provided with the permit application. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

APPROVED
SMJ

State Engineer

DATE ISSUED 09-30-2014

By

EXPIRATION DATE N/A

Receipt No. 3666395D

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 SHERMAN ST., Ste 821, DENVER CO 80203
Phone: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us

Office Use Only

Form GWS-46 (11/2011)

RECEIVED

SEP 02 2014

WATER RESOURCES
STATE ENGINEER
COLORADO

MONITORING/OBSERVATION

Water Well Permit Application

Review instructions on reverse side prior to completing form.
The form must be typed, completed online or in black or blue ink.

1. Well Owner Information

Name of well owner

Black Range Minerals

Mailing address

110 N. Rubey Dr. Ste 201

City

Golden

State

CO

Zip code

80403

Telephone #

(303) 279-4946

E-Mail (if filing online it is required)

psiglin@blackrangeminerals.com

2. Type Of Application (check applicable boxes)

☐ Use existing well

☐ Replacement for existing monitoring well:

☒ Construct new well

Permit no.:

☐ Other:

3. Refer To (if applicable)

Monitoring hole acknowledgment

MH- 51857

Well name or #

MW-F-2 (MW-27-293)

4. Location Of Proposed Well (Important! See Instructions)

County

Fremont

NE 1/4 of the NW 1/4

Section

27

Township

17

N or S

☒ N

Range

73

E or W

☒ E

Principal Meridian

6th

Distance of well from section lines (section lines are typically not property lines)

295 Ft from ☒ N ☐ S 1837 Ft from ☐ E ☒ W

For replacement wells only - distance and direction from old well to new well

feet

direction

Well location address (Include City, State, Zip) ☐ Check if well address is same as Item 1.

South T-Bar F6, Lot 102, Mountain Meadows Trail, Fremont CO

Optional: GPS well location information in UTM format
You must check GPS unit for required settings as follows.

Format must be UTM

☐ Zone 12 or ☒ Zone 13

Units must be Meters

Datum must be NAD83

Unit must be set to true north

Was GPS unit checked for above? ☒ YES

Easting 452474

Northing 4266555

Remember to set Datum to NAD83

5. Property Owner Information

Name of property owner

Danny G. Snow

Mailing address

17090 Thousand Oaks Drive

City

Haymarket

State

VA

Zip Code

20169

Telephone #

NA

6. Use Of Well

Use of this well is limited to monitoring water levels
and/or water quality sampling

7. Well Data (proposed)

Total depth

650

feet

Aquifer

Tep

8. Consultant Information (if applicable)

Name of contact person

Company name

Mailing address

City

State

Zip Code

Telephone #

9. Proposed Well Driller License #(optional):

10. Name of Well Owner or Authorized Agent

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.

Sign or enter full name here

Patrick C. Siglin

Date (mm/dd/yyyy)

09/02/2014

If signing print name. Print title if other than land owner

Geologist

Office Use Only

USGS map name

DWR map no

Surface elev

274 N
1825 W

Receipt area only

Transaction # 3666395
Date 9/2/2014 9:53:31 AM
Transaction Total \$500.00
CREDIT CARD \$500.00

DIV ____ WD ____ BA ____ MD ____

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

1039

WELL PERMIT NUMBER 295843
DIV. 2 WD 12 DES. BASIN MD

APPLICANT

Lot: 102 Block: 6 Filing: Subdiv: SOUTH T BAR

BLACK RANGE MATERIALS
110 N RUBEY DR
STE 201
GOLDEN, CO 80403-

(303) 279-4946

APPROVED WELL LOCATION

FREMONT COUNTY
NE 1/4 NW 1/4 Section 27
Township 17 S Range 73 W Sixth P.M.

DISTANCES FROM SECTION LINES

235 Ft. from North Section Line
1853 Ft. from West Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: 452483 Northing: 4266567

PERMIT TO USE AN EXISTING WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(i) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) Approved for the use of an existing well acknowledged for construction under monitoring hole notice MH-51857, and known as MW-F-3 (MW-27-294).
- 5) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 6) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 7) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 8) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 9) This well must have been constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules.
- 10) This well must be located not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

NOTICE: This permit has been approved subject to the following changes: The distances from section lines were calculated from UTM coordinate values provided with the permit application. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

APPROVED
SMJ

State Engineer

DATE ISSUED 09-30-2014

By

EXPIRATION DATE

Receipt No. 3666395E

N/A

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 SHERMAN ST., Ste 821, DENVER CO 80203
Phone: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us

MONITORING/OBSERVATION

Water Well Permit Application

Review instructions on reverse side prior to completing form.
The form must be typed, completed online or in black or blue ink.

1. Well Owner Information

Name of well owner

Black Range Minerals

Mailing address

110 N. Rubey Dr. Ste 201

City

Golden

State

CO

Zip code

80403

Telephone #

(303) 279-4946

E-Mail (if filing online it is required)

psiglin@blackrangeminerals.co

2. Type Of Application (check applicable boxes)

☐ Use existing well

☐ Replacement for existing monitoring well:

☒ Construct new well

Permit no.:

☐ Other:

3. Refer To (if applicable)

Monitoring hole acknowledgment

MH- 51857

Well name or #

MW-F-3 (MW-27-294)

4. Location Of Proposed Well (Important! See Instructions)

County

Fremont

NE

1/4 of the NW 1/4

Section

27

Township

17

N or S

☐ N ☒ S

Range

73

E or W

☐ E ☒ W

Principal Meridian

6th

Distance of well from section lines (section lines are typically not property lines)

262

Ft. from ☒ N ☐ S 1870

Ft. from ☐ E ☒ W

For replacement wells only - distance and direction from old well to new well

feet

direction

Well location address (Include City, State, Zip) ☐ Check if well address is same as item 1

South T-Bar F6, Lot 102, Mountain Meadows Trail, Fremont Co

Optional: GPS well location information in UTM format
You must check GPS unit for required settings as follows:

Format must be UTM

☐ Zone 12 or ☒ Zone 13

Units must be Meters

Datum must be NAD83

Unit must be set to true north

Was GPS unit checked for above? ☒ YES

Easting 452483

Northing 4266567

Remember to set Datum to NAD83

5. Property Owner Information

Name of property owner

Danny G. Snow

Mailing address

17090 Thousand Oaks Drive

City

Haymarket

State

VA

Zip Code

20169

Telephone #

NA

Office Use Only

RECEIVED
Form GWS-46 (11/2011)

SEP 02 2014

WATER RESOURCES
STATE ENGINEER
COLORADO

6. Use Of Well

Use of this well is limited to monitoring water levels
and/or water quality sampling

7. Well Data (proposed)

Total depth

287

feet

Aquifer

Ttc

8. Consultant Information (if applicable)

Name of contact person

Company name

Mailing address

City

State

Zip Code

Telephone #

9. Proposed Well Driller License #(optional):

10. Name of Well Owner or Authorized Agent

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.

Sign or enter full name here

Patrick C. Siglin

Date (mm/dd/yyyy)

09/02/2014

If signing print name Print title if other than land owner

Geologist

Office Use Only

USGS map name

DWR map no

Surface elev

235N
1853W

Receipt area only

Transaction # 3666395
Date 9/2/2014 9:53:31 AM
Transaction Total \$500.00
CREDIT CARD \$500.00

DIV ____ WD ____ BA ____ MD ____