



December 5, 2018

Mr. Mike Gardner
TEP Environmental Specialist
TEP Rocky Mountain LLC
1058 County Road 215
Parachute, Colorado 81635

RE: Status Report: Baseline Water Quality Sampling – Drill Pad MV 60-8D

Dear Mr. Gardner,

Western Water & Land, Inc. (WWL) completed a hydrologic Water Source evaluation for the TEP Rocky Mountain LLC (TEP) MV 60-8D Drill Pad in accordance with Colorado Oil and Gas Conservation Commission (COGCC) Rule 609. Drill Pad MV 60-8D is located in SW¹/₄, NE¹/₄, Section 8, Township 7 S, Range 96 W, 6th P.M. This status report addresses field revisions and the sampling location status as relevant to the original executed Baseline Water Quality Evaluation dated October 10, 2018.

The original evaluation considered all Water Sources as defined in Rule 609 within a 0.5-mile radius of the referenced drill pad. Water Sources located within a 0.5-mile radius of the MV 60-8D Drill Pad are shown in Figure 1. Please see the original Baseline Water Quality Evaluation (October 10, 2018) for details on how the evaluation was conducted.

Water Source Identification

Water Sources as defined in Rule 609 include Colorado Division of Water Resources (DWR) registered water wells (water wells with existing valid well permits), permitted or adjudicated springs, and monitoring wells installed for baseline sampling and monitoring under COGCC Rules 318A.e(4), 608, 609, or 908.b(9) or specified conditions of approval. Each Water Source identified within the 0.5-mile radius area is considered to be a potentially Available Water Source unless existing information suggests that the Water Source would not be suitable for the baseline water quality program. The original Baseline Water Quality Evaluation identified seven potentially Available Water Sources located within 0.5 miles of the MV 60-8D Drill Pad (see Figure 1).

The identified potentially Available Water Sources are summarized as follows:

- Water Well Permit No. 285068
- Water Well Permit No. 285069
- Water Well Permit No. 285070
- Water Well Permit No. 285071

- Water Well Permit No. 285073
- KD Spring
- Section 8 Spring

Preferred Water Sources

In accordance with Rule 609, all potentially Available Water Sources within a 0.5-mile radius of the drill pad are to be identified and up to a maximum of four sources must be included in the baseline and subsequent monitoring program. Each potentially Available Water Source identified was evaluated based on WWL's hydrologic knowledge of the region, general hydrologic rationale, and in accordance with the guidelines specified in Rule 609 to identify the preferred sources for the baseline program. The preferred potentially Available Water Sources selected are as follows:

- Water Well Permit No. 285068
- Water Well Permit No. 285073
- KD Spring
- Section 8 Spring

Preferred Water Sources are incorporated into the baseline water quality monitoring program provided 1) the structures exist; 2) the structure owner, or land owner if the structure owner is not known, grants approval to sample the source; and 3) inspection of the structure confirms that a representative sample can be obtained from the structure.

Access Request

All attempts requesting permission to sample potentially Available Water Sources from the well permit holders and the property owners are recorded in the Correspondence Logs below. Access request letters, certified mailing receipts, mailings that were returned to sender, mailed responses, and email correspondence are included in Attachment A.

Correspondence Log: MV 60-8D and GV 1-8				
Contact Attempt Date	Contact Name	Contact Method	Responsible Person	Results
7/27/2018	Petroleum Development Corporation	Certified Mail: Access Request Letter	Shelby Goodwin, WWL	Returned to sender
7/27/2018	BLM Oil & Gas Hydrologist; Colorado River Field Office	Certified Mail: Access Request Letter	Shelby Goodwin, WWL	Access granted

Correspondence Log: MV 60-8D and GV 1-8				
Contact Attempt Date	Contact Name	Contact Method	Responsible Person	Results
7/27/2018	Puckett Land Company	Certified Mail: Access Request Letter	Shelby Goodwin, WWL	Access granted

Field Results

Each identified potentially Available Water Source and its monitoring status is as follows:

- Water Well Permit No. 285068: water right owned by Petroleum Development Corporation and property owned by Puckett Land Company.
 - Access to sample this well was not granted; well abandoned in August 2018.
- Water Well Permit No. 285069: water right owned by Petroleum Development Corporation and property owned by Puckett Land Company.
 - Access to sample this well was not granted; well abandoned in August 2018.
- Water Well Permit No. 285070: water right owned by Petroleum Development Corporation and property owned by Puckett Land Company.
 - Access to sample this well was not granted; well abandoned in August 2018.
- Water Well Permit No. 285071: water right owned by Petroleum Development Corporation and property owned by Puckett Land Company.
 - Access to sample this well was not granted; well abandoned in August 2018.
- Water Well Permit No. 285073: water right owned by Petroleum Development Corporation and property owned by Puckett Land Company.
 - Access to sample this well was not granted; well abandoned in August 2018.
- KD Spring: water right owned by BLM and property owned by Puckett Land Company.
 - Access to sample this spring was granted by the BLM August 21, 2018. WWL was unable to locate the spring or any surface water in the vicinity of the decreed location during field reconnaissance on September 5, 2018.
- Section 8 Spring: water right owned by BLM and property owned by Puckett Land Company.
 - Access to sample this spring was granted by the BLM August 21, 2018. WWL was unable to locate the spring or any surface water in the vicinity of the decreed location during field reconnaissance on September 5, 2018.

WWL personnel conducted a broad field reconnaissance on September 5, 2018 in the area where KD Spring and Section 8 Spring are located according to DWR databases. The area was characterized by quaking aspen, Gambel oak, and sagebrush plant communities. The decreed locations of the springs are shown in Figure 1. Pictures from field reconnaissance and sampling are included in Attachment B. As a

result of these events, no water sources were sampled for the baseline water quality sampling program for Drill Pad MV 60-8D.

If you have any questions or concerns, please contact me at (970) 242-0170.

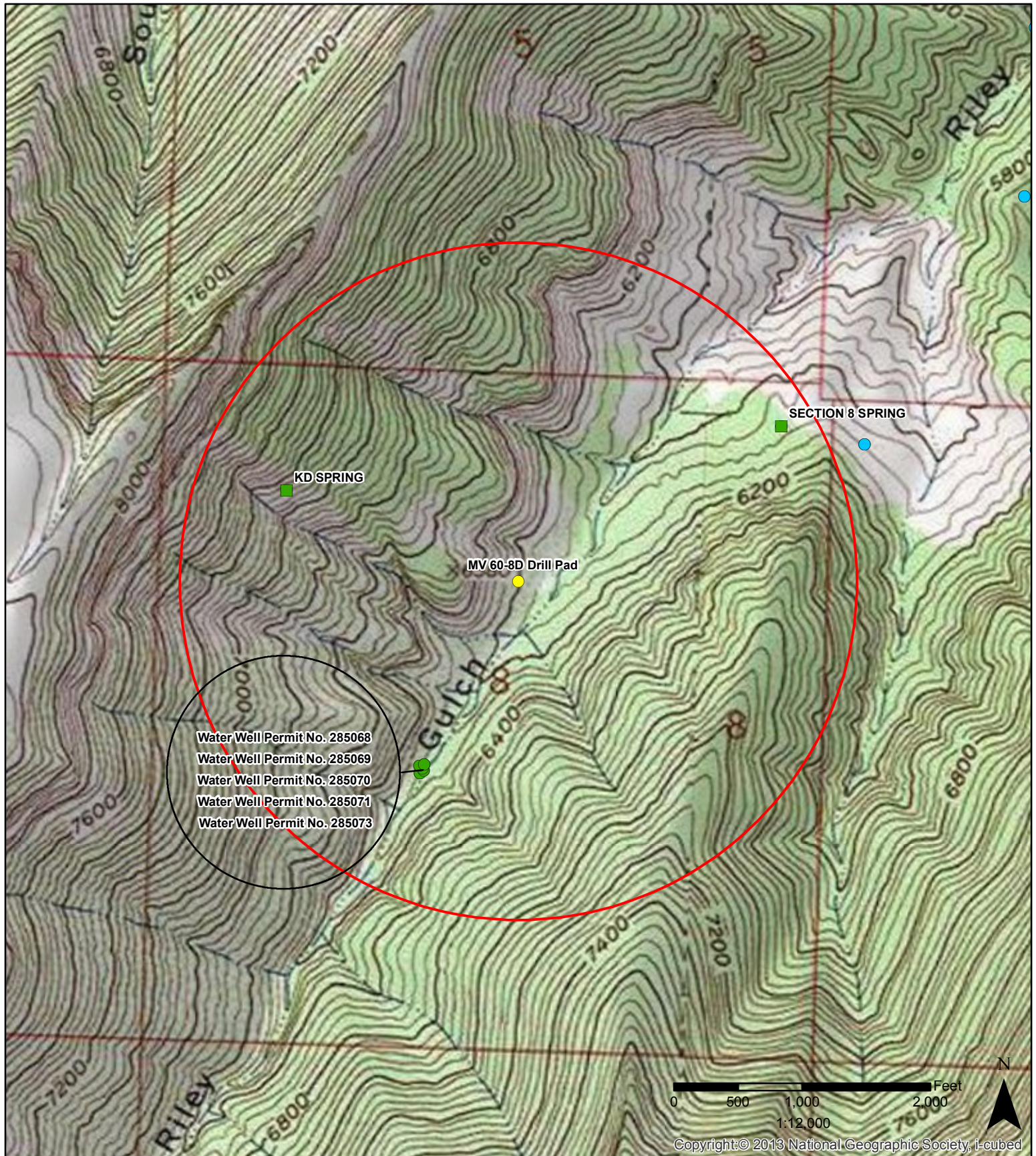
Sincerely,

A handwritten signature in black ink, appearing to read "Bruce D. Smith". The signature is fluid and cursive, with the first name "Bruce" being more legible than the last name "Smith".

Bruce D. Smith
Principal Hydrogeologist
WESTERN WATER & LAND, INC.

Attachments:

Figure 1 – Water Source Evaluation Map
Attachment A – Access Request Documentation
Attachment B – Photographs



Legend

- MV 60-8D Drill Pad
- Water right decree
- 0.5-mile radius evaluation area
- Outside permits or decrees
- Constructed well
- Well completion status unknown

**Figure 1: MV 60-8D Drill Pad
 0.5-Mile Radius Water Source Evaluation
 SW 1/4, NE 1/4, S8, T7S, R96W, 6 PM**

Garfield County, Colorado
 TEP Rocky Mountain, LLC



Western Water & Land, Inc.
 Applications in Earth Science

Attachment A

Access Request Documentation



July 27, 2018

BLM

Attn: BLM Oil & Gas Hydrologist
Colorado River Valley Field Office
2300 River Frontage Road
Silt, CO 81652

RE: Baseline Groundwater Monitoring Program: Drill Pad MV 60-8D

Dear Sir or Madam:

Under Colorado Oil and Gas Conservation Commission (COGCC) Rule 609, all oil and gas operators are required to conduct baseline groundwater sampling and monitoring within one-half mile of a well pad containing new production well(s) or injection well(s). The rule was promulgated to gather baseline water quality data prior to oil and gas development occurring within a particular area and to gather additional water quality data after drilling and completion operations.

Sampling sites may be registered water wells or permitted or adjudicated springs. Up to four groundwater sampling sites will be included in the baseline sampling and monitoring program within the one-half mile radius of the well pad. Sampling of these groundwater sites will occur three times; once within 12 months prior to drilling the first well on the pad, once between 6 and 12 months after completion of the last well on the pad, and once between 60 and 72 months after completion of the last well on the pad. Final water quality results of each sample will be provided to the well or spring owner and to COGCC.

Terra Energy Partners Rocky Mountain, LLC (TEP) is planning on constructing Drill Pad MV 60-8D and/or a new well located in the SW1/4, NE1/4, Section 8, Township 7S, Range 96W, 6th P.M. Our research of state databases indicates that you may own property and/or hold one or more state permits or water right decrees for wells or springs located on property within 0.5 miles of the well pad. These identified wells and/or springs are listed below:

1. ***KD Spring***: Latitude/Longitude (decimal degrees): 39.456339, -108.137060
2. ***Section 8 Spring***: Latitude/Longitude (decimal degrees): 39.458063, -108.123460

These structures may qualify for baseline sampling and monitoring under Rule 609. If you do not have a well or spring on your property, or if you choose not to have your well or spring sampled for baseline water quality under Rule 609, please indicate so on the Acknowledgment Form provided in this letter.

This Acceptance Letter and Acknowledgment Form apply to the above water sources only. You may receive additional Acknowledgment Forms in the future for other water sources under your ownership or control that are related to other planned TEP drill pads or wells. Your decision to approve or decline participation in the baseline water quality program for the above water sources will also apply for new future TEP drill pads and wells other than Drill Pad MV 60-8D that are located within the 0.5 mile distance of these water sources. In these cases, a new Acknowledgment Form will not be mailed to you.

If you chose to include your well or spring in the Baseline Groundwater Sampling and Monitoring Program, please complete the attached questionnaire prepared by TEP to evaluate the groundwater source(s). The questionnaire is intended to assist TEP in the assessment of the best potential baseline groundwater monitoring sites.

Completion of the attached questionnaire is not required for consideration of your well or spring for the program, but final selection of sampling sites may be partially dependent on the results of the questionnaire. Completing the questionnaire and approval to sample your water source does not guarantee that your well or spring will be selected for the baseline sampling and monitoring program. Completed questionnaires will be confidential except for information that is required to be reported to the state.

If you agree to have your well or spring become a monitoring site for the program, and said well or spring is selected for sampling and monitoring, you will be notified and invited to attend the sampling event. Water quality data results will be provided to you and to COGCC within 3 months of sample collection. Please note that COGCC will make the results public by posting the results on the agency's public database and that by signing below to agree to have your well sampled, you also grant TEP permission to provide the data results to COGCC and COGCC's public database.

Please sign and date the attached Acknowledgment Form indicating your choice of participation in the program and return the form using the included pre-addressed envelope. If TEP does not receive this executed letter within 30 days from the date above, TEP will consider that you do not want to participate in the program. Please contact your TEP land representative at 970-210-4244, or myself at 970-623-4875, with any questions you may have. We appreciate your time and cooperation.

If at any time after returning the Acknowledgment Form you change your mind about your response, you may revise your response by contacting TEP.

Sincerely,

Mike Gardner
Environmental Specialist, TEP Energy

**Baseline Groundwater Quality Monitoring Program
Acknowledgment Form**

I _____ (print name), acknowledge that I have been contacted by TEP regarding the possible qualification of my well or spring as a Water Source for baseline groundwater sampling and monitoring under COGCC Rule 609 associated with TEP Drill Pad MV 60-8D, located in the SW1/4, NE1/4, Section 26, Township 7S, Range 96W, 6th P.M. If I agree to have my well or spring water sampled for water quality parameters, I understand that the resulting data will be submitted to the COGCC and will be part of a public database. I understand that if my well or spring is selected as an Available Water Source, I will be contacted by TEP representatives to schedule sample collection. I understand that the baseline groundwater program involves three separate sampling events over a period of time. In addition, I understand that this acknowledgment applies to future new drill pads or wells other than TEP Drill Pad MV 60-8D where the specific water sources may be in question under COGCC Rule 609.

_____ **I DO** want the following well(s) or spring(s) to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations.

_____ **I DO NOT** want my well or spring to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations.

Please check all that apply.

☐ **1. KD Spring:** Latitude/Longitude (decimal degrees): 39.456339, -108.137060

☐ **2. Section 8 Spring:** Latitude/Longitude (decimal degrees): 39.458063, -108.123460

Signature: _____ Date: _____

Print Name: _____

Address: _____

Phone: _____

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT <i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
For delivery information visit our website at www.usps.com	
SILENCE, CO 81652	
Postage \$3.45	\$0.00
Certified Fee	\$1.50
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees \$1.21	\$0.00
\$6.16	\$0.00
Sent To BLM O&G Hydrologist Street Apt. No.; or PO Box No. City, State, ZIP+4 200 River Frontage Rd SILENCE, CO 81652	
PS Form 3800, August 2005	

**Baseline Groundwater Quality Monitoring Program
Acknowledgment Form**

I ALLEN CROCKETT (print name), acknowledge that I have been contacted by TEP regarding the possible qualification of my well or spring as a Water Source for baseline groundwater sampling and monitoring under COGCC Rule 609 associated with TEP Drill Pad MV 60-8D, located in the SW1/4, NE1/4, Section 26, Township 7S, Range 96W, 6th P.M. If I agree to have my well or spring water sampled for water quality parameters, I understand that the resulting data will be submitted to the COGCC and will be part of a public database. I understand that if my well or spring is selected as an Available Water Source, I will be contacted by TEP representatives to schedule sample collection. I understand that the baseline groundwater program involves three separate sampling events over a period of time. In addition, I understand that this acknowledgment applies to future new drill pads or wells other than TEP Drill Pad MV 60-8D where the specific water sources may be in question under COGCC Rule 609.

☒ I DO want the following well(s) or spring(s) to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations.

☐ I DO NOT want my well or spring to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations.

Please check all that apply.

☒ 1. KD Spring: Latitude/Longitude (decimal degrees): 39.456339, -108.137060 ~39.45685, -108.129021

☒ 2. Section 8 Spring: Latitude/Longitude (decimal degrees): 39.458063, -108.123460

Signature: Allen Crockett

Date: 8/21/2018

Print Name: ALLEN CROCKETT

Address: 2300 RIVER FRONTAGE ROAD
SILT CO 81652

Phone: 970.876.9005

Water Source Questionnaire

Please answer the questions below about your water source as best you can and return with the signed letter.

1 Has a well permit been issued by the Colorado Division of Water Resources for a well on your property? Yes No Do not Know

If yes:

- What is the well permit number? _____
- What are the designated/decreed uses of the well? _____
- On average, how many months per year do you use the well? _____
- Is there an operable pump in the well? Yes No Do not Know
If yes, at what depth is the pump set? _____ feet below ground surface
- If known, what is the typical pumping rate from the well? _____
- If known, what is the approximate depth of the well?: _____
- Is water from the well treated before use? Yes No Do not Know
- Can a water sample be collected from the well prior to any treatment or storage vessel? Yes No Do not Know
- Is the well accessible by vehicle or only by foot? Foot Vehicle (please circle one)
- Has a water right been decreed for the well? Yes No Do not Know
- What is the decreed name of the well? _____

SURFACE WATER RIGHTS

2 Do you divert water from an adjudicated spring for domestic, agricultural, or other use? Yes Yes No Do not Know

If yes:

- What is the name of the spring? KD SPRING & SECTION 8 SPRING
- What are the designated/decreed uses of the spring? LIVESTOCK & WILDLIFE
- Is water from the spring treated before use? Yes No Do not Know
- Can a water sample be collected from the spring prior to any treatment or storage vessel? Yes No Do not Know
- On average, how many months per year do you divert water from the spring? N/A
- If known, what is the typical flow rate from the spring? ~10 gal/min
- Is the spring accessible by vehicle or only by foot? Foot Vehicle (please circle one)
SECTION 8 KD

3 Do you divert water from a stream that is fed by a spring for domestic, agricultural, or other use? Yes No Do not Know

If yes:

- Is there a water right for the diversion structure? Yes No Do not Know
- What is the name of the diversion structure? _____
- On average, how many months per year do you divert water from the stream? _____
- If known, what is the typical flow rate diverted through the structure? _____
- Is the source spring located on your property? Yes No Do not Know
If not, what is the name of the landowner? _____

4 Please indicate on the attached map, the approximate locations of wells, springs, and diversion points listed in Questions 1, 2, and 3 above.

5 Do you see having a water sample collected a difficult thing to schedule? Yes No Do not Know
(sampling would take about 30 to 45 minutes)

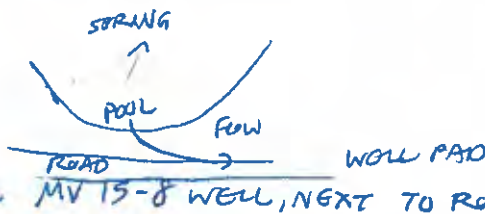
6 Is there anything else unique about this water source that you would like to make us aware of?

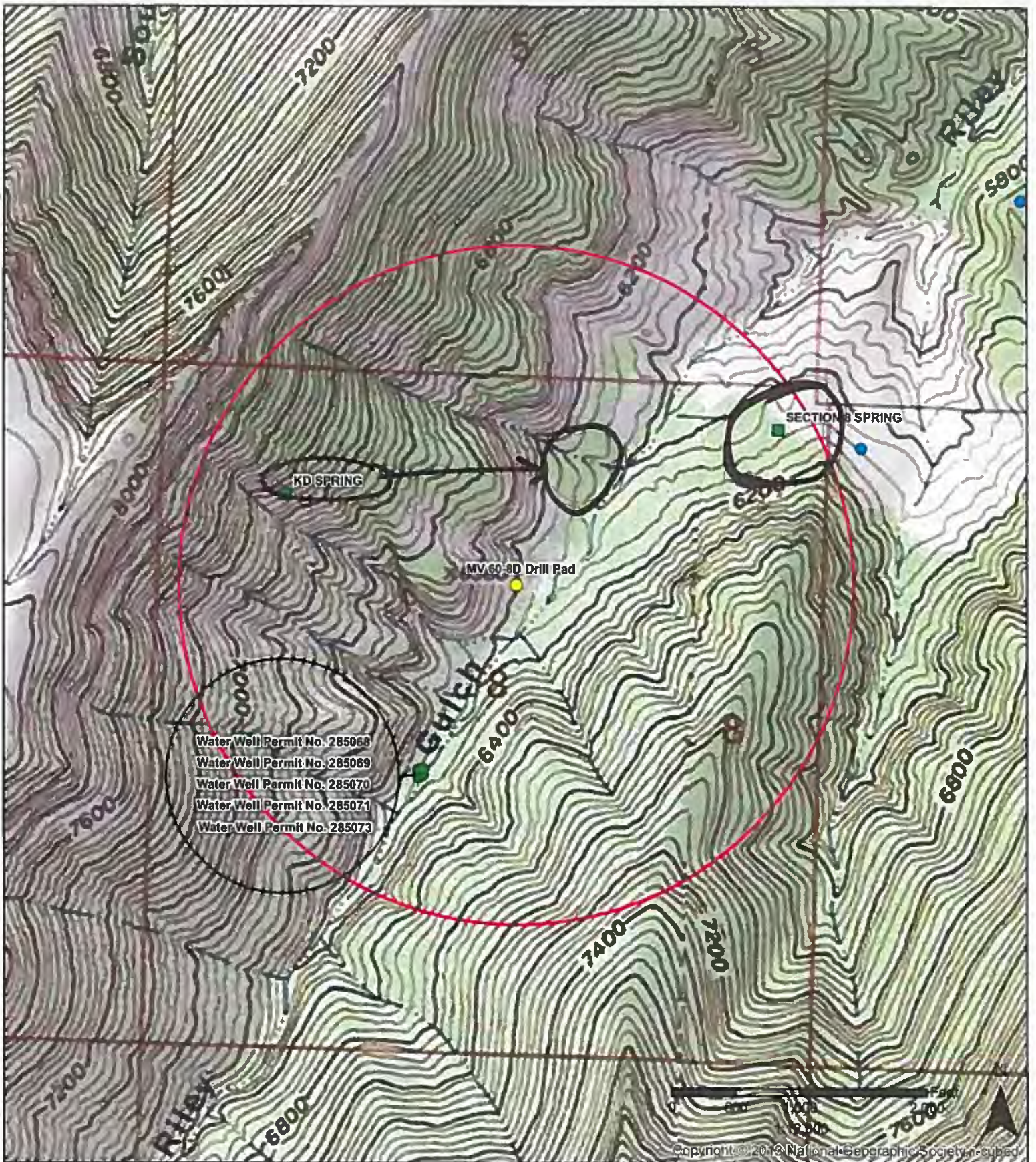
SECTION 8

- SEVERAL SHALLOW POOLS WITHIN SPRING COMPLEX
- SEDGES, RUSHES, CATTAILS, COTTONWOODS
- ~200 FT BY 400 FT

KD SPRING

- TWO POOLS AT SPRING
- SEDGES
- ~50 YARDS SOUTH OF FEDERAL RD 15-8 WELL, NEXT TO ROAD





Legend

- MV 60-8D Drill Pad
- Water right decree
- 0.5-mile radius evaluation area
- Outside permits or decrees
- Constructed well
- Well completion status unknown

**Figure 1: MV 60-8D Drill Pad
0.5-Mile Radius Water Source Evaluation
SW 1/4, NE 1/4, S8, T7S, R96W, 6 PM**

Garfield County, Colorado
TEP Rocky Mountain, LLC



Western Water & Land, Inc.
Applications in Earth Science



July 27, 2018

Puckett Land Company
5460 S Quebec Street Suite 250
Greenwood Village, CO 80111

RE: Baseline Groundwater Monitoring Program: Drill Pad MV 60-8D

Dear Sir or Madam:

Under Colorado Oil and Gas Conservation Commission (COGCC) Rule 609, all oil and gas operators are required to conduct baseline groundwater sampling and monitoring within one-half mile of a well pad containing new production well(s) or injection well(s). The rule was promulgated to gather baseline water quality data prior to oil and gas development occurring within a particular area and to gather additional water quality data after drilling and completion operations.

Sampling sites may be registered water wells or permitted or adjudicated springs. Up to four groundwater sampling sites will be included in the baseline sampling and monitoring program within the one-half mile radius of the well pad. Sampling of these groundwater sites will occur three times; once within 12 months prior to drilling the first well on the pad, once between 6 and 12 months after completion of the last well on the pad, and once between 60 and 72 months after completion of the last well on the pad. Final water quality results of each sample will be provided to the well or spring owner and to COGCC.

Terra Energy Partners Rocky Mountain, LLC (TEP) is planning on constructing Drill Pad MV 60-8D and/or a new well located in the SW1/4, NE1/4, Section 8, Township 7S, Range 96W, 6th P.M. Our research of state databases indicates that you may own property and/or hold one or more state permits or water right decrees for wells or springs located on property within 0.5 miles of the well pad. These identified wells and/or springs are listed below:

1. **Water Well Permit No. 285068:** Latitude/Longitude (decimal degrees): 39.450371, -108.133108
2. **Water Well Permit No. 285069:** Latitude/Longitude (decimal degrees): 39.450540, -108.13.002
3. **Water Well Permit No. 285070:** Latitude/Longitude (decimal degrees): 39.450423, -108.133007
4. **Water Well Permit No. 285071:** Latitude/Longitude (decimal degrees): 39.450519, -108.133122
5. **Water Well Permit No. 285073:** Latitude/Longitude (decimal degrees): 39.450462, -108.133035
6. **KD Spring:** Latitude/Longitude (decimal degrees): 39.456339, -108.137060

These structures may qualify for baseline sampling and monitoring under Rule 609. If you do not have a well or spring on your property, or if you choose not to have your well or spring sampled for baseline water quality under Rule 609, please indicate so on the Acknowledgment Form provided in this letter.

This Acceptance Letter and Acknowledgment Form apply to the above water sources only. You may receive additional Acknowledgment Forms in the future for other water sources under your ownership or control that are related to other planned TEP drill pads or wells. Your decision to approve or decline participation in the baseline water quality program for the above water sources will also apply for new future TEP drill pads and wells other than

Drill Pad MV 60-8D that are located within the 0.5 mile distance of these water sources. In these cases, a new Acknowledgment Form will not be mailed to you.

If you chose to include your well or spring in the Baseline Groundwater Sampling and Monitoring Program, please complete the attached questionnaire prepared by TEP to evaluate the groundwater source(s). The questionnaire is intended to assist TEP in the assessment of the best potential baseline groundwater monitoring sites.

Completion of the attached questionnaire is not required for consideration of your well or spring for the program, but final selection of sampling sites may be partially dependent on the results of the questionnaire. Completing the questionnaire and approval to sample your water source does not guarantee that your well or spring will be selected for the baseline sampling and monitoring program. Completed questionnaires will be confidential except for information that is required to be reported to the state.

If you agree to have your well or spring become a monitoring site for the program, and said well or spring is selected for sampling and monitoring, you will be notified and invited to attend the sampling event. Water quality data results will be provided to you and to COGCC within 3 months of sample collection. Please note that COGCC will make the results public by posting the results on the agency's public database and that by signing below to agree to have your well sampled, you also grant TEP permission to provide the data results to COGCC and COGCC's public database.

Please sign and date the attached Acknowledgment Form indicating your choice of participation in the program and return the form using the included pre-addressed envelope. If TEP does not receive this executed letter within 30 days from the date above, TEP will consider that you do not want to participate in the program. Please contact your TEP land representative at 970-210-4244, or myself at 970-623-4875, with any questions you may have. We appreciate your time and cooperation.

If at any time after returning the Acknowledgment Form you change your mind about your response, you may revise your response by contacting TEP.

Sincerely,

Mike Gardner
Environmental Specialist, TEP Energy

**Baseline Groundwater Quality Monitoring Program
Acknowledgment Form**

I RAYMOND S. ANDERSON (print name), acknowledge that I have been contacted by TEP regarding the possible qualification of my well or spring as a Water Source for baseline groundwater sampling and monitoring under COGCC Rule 609 associated with TEP Drill Pad MV 60-8D, located in the SW1/4, NE1/4, Section 26, Township 7S, Range 96W, 6th P.M. If I agree to have my well or spring water sampled for water quality parameters, I understand that the resulting data will be submitted to the COGCC and will be part of a public database. I understand that if my well or spring is selected as an Available Water Source, I will be contacted by TEP representatives to schedule sample collection. I understand that the baseline groundwater program involves three separate sampling events over a period of time. In addition, I understand that this acknowledgment applies to future new drill pads or wells other than TEP Drill Pad MV 60-8D where the specific water sources may be in question under COGCC Rule 609.

☒ I DO want the following well(s) or spring(s) to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations. THE BELOW LISTED WELLS # 1-5 WERE DRILLED BY PETROLEUM DEVELOPMENT (NOW CAERUS). PUCKETT LAND HAS NO INFORMATION AS TO THESE WELLS.

☐ I DO NOT want my well or spring to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations.

Please check all that apply.

- ☒ 1. **Water Well Permit No. 285068:** Latitude/Longitude (decimal degrees): 39.450371, -108.133108
- ☒ 2. **Water Well Permit No. 285069:** Latitude/Longitude (decimal degrees): 39.450540, -108.13.002
- ☒ 3. **Water Well Permit No. 285070:** Latitude/Longitude (decimal degrees): 39.450423, -108.133007
- ☒ 4. **Water Well Permit No. 285071:** Latitude/Longitude (decimal degrees): 39.450519, -108.133122
- ☒ 5. **Water Well Permit No. 285073:** Latitude/Longitude (decimal degrees): 39.450462, -108.133035
- ☒ 6. **KD Spring:** Latitude/Longitude (decimal degrees): 39.456339, -108.137060

Signature: _____

Date: 8/7/18

Print Name: _____

Address: _____

Phone: _____

RAYMOND S. ANDERSON w/ PUCKETT LAND COMPANY

5460 S. QUEBEC ST. STE 250
GREENWOOD VILLAGES CO 80111

303-763-1003

Water Source Questionnaire

Please answer the questions below about your water source as best you can and return with the signed letter.

1 Has a well permit been issued by the Colorado Division of Water Resources for a well on your property?

☒ Yes ☐ No ☐ Do not Know

If yes:

a) What is the well permit number? 285068

b) What are the designated/decreed uses of the well? _____

c) On average, how many months per year do you use the well? _____

d) Is there an operable pump in the well?

Yes ☐ No ☒ Do not Know

If yes, at what depth is the pump set? _____ feet below ground surface

e) If known, what is the typical pumping rate from the well? _____

f) If known, what is the approximate depth of the well? _____

g) Is water from the well treated before use?

Yes ☐ No ☒ Do not Know

h) Can a water sample be collected from the well prior to any treatment or storage vessel?

Yes ☐ No ☒ Do not Know

i) Is the well accessible by vehicle or only by foot? ☐ Foot ☐ Vehicle (please circle one)

j) Has a water right been decreed for the well?

Yes ☐ No ☒ Do not Know

k) What is the decreed name of the well? _____

2 Do you divert water from an adjudicated spring for domestic, agricultural, or other use?

Yes ☐ No ☐ Do not Know

If yes:

a) What is the name of the spring? _____

b) What are the designated/decreed uses of the spring? _____

c) Is water from the spring treated before use?

Yes ☐ No ☐ Do not Know

d) Can a water sample be collected from the spring prior to any treatment or storage vessel?

Yes ☐ No ☐ Do not Know

e) On average, how many months per year do you divert water from the spring? _____

f) If known, what is the typical flow rate from the spring? _____

g) Is the spring accessible by vehicle or only by foot? ☐ Foot ☐ Vehicle (please circle one)

3 Do you divert water from a stream that is fed by a spring for domestic, agricultural, or other use?

Yes ☐ No ☐ Do not Know

If yes:

a) Is there a water right for the diversion structure?

Yes ☐ No ☐ Do not Know

b) What is the name of the diversion structure? _____

c) On average, how many months per year do you divert water from the stream? _____

d) If known, what is the typical flow rate diverted through the structure? _____

e) Is the source spring located on your property?

Yes ☐ No ☐ Do not Know

If not, what is the name of the landowner? _____

4 Please indicate on the attached map, the approximate locations of wells, springs, and diversion points listed in Questions 1, 2, and 3 above.

5 Do you see having a water sample collected a difficult thing to schedule?
(sampling would take about 30 to 45 minutes)

Yes ☐ No ☒ Do not Know

6 Is there anything else unique about this water source that you would like to make us aware of?

Water Source Questionnaire

Please answer the questions below about your water source as best you can and return with the signed letter.

1 Has a well permit been issued by the Colorado Division of Water Resources for a well on your property?

Yes ☒ No ☐ Do not Know ☐

If yes:

a) What is the well permit number? 285069

b) What are the designated/decreed uses of the well? _____

c) On average, how many months per year do you use the well? _____

d) Is there an operable pump in the well?

Yes ☐ No ☒ Do not Know ☐

If yes, at what depth is the pump set? _____ feet below ground surface

e) If known, what is the typical pumping rate from the well? _____

f) If known, what is the approximate depth of the well?: _____

g) Is water from the well treated before use?

Yes ☐ No ☒ Do not Know ☐

h) Can a water sample be collected from the well prior to any treatment or storage vessel?

Yes ☐ No ☒ Do not Know ☐

i) Is the well accessible by vehicle or only by foot? _____ Foot _____ Vehicle (please circle one)

j) Has a water right been decreed for the well?

Yes ☐ No ☒ Do not Know ☐

k) What is the decreed name of the well? _____

2 Do you divert water from an adjudicated spring for domestic, agricultural, or other use?

Yes ☐ No ☐ Do not Know ☐

If yes:

a) What is the name of the spring? _____

b) What are the designated/decreed uses of the spring? _____

c) Is water from the spring treated before use?

Yes ☐ No ☐ Do not Know ☐

d) Can a water sample be collected from the spring prior to any treatment or storage vessel?

Yes ☐ No ☐ Do not Know ☐

e) On average, how many months per year do you divert water from the spring? _____

f) If known, what is the typical flow rate from the spring? _____

g) Is the spring accessible by vehicle or only by foot? _____ Foot _____ Vehicle (please circle one)

3 Do you divert water from a stream that is fed by a spring for domestic, agricultural, or other use?

Yes ☐ No ☐ Do not Know ☐

If yes:

a) Is there a water right for the diversion structure?

Yes ☐ No ☐ Do not Know ☐

b) What is the name of the diversion structure? _____

c) On average, how many months per year do you divert water from the stream? _____

d) If known, what is the typical flow rate diverted through the structure? _____

e) Is the source spring located on your property?

Yes ☐ No ☐ Do not Know ☐

If not, what is the name of the landowner? _____

4 Please indicate on the attached map, the approximate locations of wells, springs, and diversion points listed in Questions 1, 2, and 3 above.

5 Do you see having a water sample collected a difficult thing to schedule?
(sampling would take about 30 to 45 minutes)

Yes ☐ No ☒ Do not Know ☐

6 Is there anything else unique about this water source that you would like to make us aware of?

Water Source Questionnaire

Please answer the questions below about your water source as best you can and return with the signed letter.

1 Has a well permit been issued by the Colorado Division of Water Resources for a well on your property?

Yes

No

Do not Know

If yes:

a) What is the well permit number? 285070

b) What are the designated/decreed uses of the well? _____

c) On average, how many months per year do you use the well? _____

d) Is there an operable pump in the well? _____

Yes

No

Do not Know

If yes, at what depth is the pump set? _____ feet below ground surface

e) If known, what is the typical pumping rate from the well? _____

f) If known, what is the approximate depth of the well?: _____

g) Is water from the well treated before use? _____

Yes

No

Do not Know

h) Can a water sample be collected from the well prior to any treatment or storage vessel? _____

Yes

No

Do not Know

i) Is the well accessible by vehicle or only by foot? _____ Foot _____ Vehicle (please circle one)

j) Has a water right been decreed for the well? _____

Yes

No

Do not Know

k) What is the decreed name of the well? _____

2 Do you divert water from an adjudicated spring for domestic, agricultural, or other use?

Yes

No

Do not Know

If yes:

a) What is the name of the spring? _____

b) What are the designated/decreed uses of the spring? _____

c) Is water from the spring treated before use? _____

Yes

No

Do not Know

d) Can a water sample be collected from the spring prior to any treatment or storage vessel? _____

Yes

No

Do not Know

e) On average, how many months per year do you divert water from the spring? _____

f) If known, what is the typical flow rate from the spring? _____

g) Is the spring accessible by vehicle or only by foot? _____ Foot _____ Vehicle (please circle one)

3 Do you divert water from a stream that is fed by a spring for domestic, agricultural, or other use?

Yes

No

Do not Know

If yes:

a) Is there a water right for the diversion structure? _____

Yes

No

Do not Know

b) What is the name of the diversion structure? _____

c) On average, how many months per year do you divert water from the stream? _____

d) If known, what is the typical flow rate diverted through the structure? _____

e) Is the source spring located on your property? _____

Yes

No

Do not Know

If not, what is the name of the landowner? _____

4 Please indicate on the attached map, the approximate locations of wells, springs, and diversion points listed in Questions 1, 2, and 3 above.

5 Do you see having a water sample collected a difficult thing to schedule?
(sampling would take about 30 to 45 minutes)

Yes

No

Do not Know

6 Is there anything else unique about this water source that you would like to make us aware of?

Water Source Questionnaire

Please answer the questions below about your water source as best you can and return with the signed letter.

1 Has a well permit been issued by the Colorado Division of Water Resources for a well on your property? ☒ Yes ☐ No ☐ Do not Know

If yes:

- a) What is the well permit number? 285071
- b) What are the designated/decreed uses of the well? _____
- c) On average, how many months per year do you use the well? _____
- d) Is there an operable pump in the well? ☐ Yes ☐ No ☒ Do not Know
If yes, at what depth is the pump set? _____ feet below ground surface
- e) If known, what is the typical pumping rate from the well? _____
- f) If known, what is the approximate depth of the well? _____
- g) Is water from the well treated before use? ☐ Yes ☐ No ☒ Do not Know
- h) Can a water sample be collected from the well prior to any treatment or storage vessel? ☐ Yes ☐ No ☒ Do not Know
- i) Is the well accessible by vehicle or only by foot? ☐ Foot ☐ Vehicle (please circle one)
- j) Has a water right been decreed for the well? ☐ Yes ☐ No ☒ Do not Know
- k) What is the decreed name of the well? _____

2 Do you divert water from an adjudicated spring for domestic, agricultural, or other use? ☐ Yes ☐ No ☐ Do not Know

If yes:

- a) What is the name of the spring? _____
- b) What are the designated/decreed uses of the spring? _____
- c) Is water from the spring treated before use? ☐ Yes ☐ No ☐ Do not Know
- d) Can a water sample be collected from the spring prior to any treatment or storage vessel? ☐ Yes ☐ No ☐ Do not Know
- e) On average, how many months per year do you divert water from the spring? _____
- f) If known, what is the typical flow rate from the spring? _____
- g) Is the spring accessible by vehicle or only by foot? ☐ Foot ☐ Vehicle (please circle one)

3 Do you divert water from a stream that is fed by a spring for domestic, agricultural, or other use? ☐ Yes ☐ No ☐ Do not Know

If yes:

- a) Is there a water right for the diversion structure? ☐ Yes ☐ No ☐ Do not Know
- b) What is the name of the diversion structure? _____
- c) On average, how many months per year do you divert water from the stream? _____
- d) If known, what is the typical flow rate diverted through the structure? _____
- e) Is the source spring located on your property? ☐ Yes ☐ No ☐ Do not Know
If not, what is the name of the landowner? _____

4 Please indicate on the attached map, the approximate locations of wells, springs, and diversion points listed in Questions 1, 2, and 3 above.

5 Do you see having a water sample collected a difficult thing to schedule?
(sampling would take about 30 to 45 minutes) ☐ Yes ☐ No ☒ Do not Know

6 Is there anything else unique about this water source that you would like to make us aware of?

Water Source Questionnaire

Please answer the questions below about your water source as best you can and return with the signed letter.

1 Has a well permit been issued by the Colorado Division of Water Resources for a well on your property?

☒ Yes

☐ No

☐ Do not Know

If yes:

a) What is the well permit number? 285073

b) What are the designated/decreed uses of the well? _____

c) On average, how many months per year do you use the well? _____

d) Is there an operable pump in the well?

Yes

☐ No

☒ Do not Know

If yes, at what depth is the pump set? _____ feet below ground surface

e) If known, what is the typical pumping rate from the well? _____

f) If known, what is the approximate depth of the well?: _____

g) Is water from the well treated before use?

Yes

☐ No

☒ Do not Know

h) Can a water sample be collected from the well prior to any treatment or storage vessel?

Yes

☐ No

☒ Do not Know

i) Is the well accessible by vehicle or only by foot? _____ Foot _____ Vehicle (please circle one)

j) Has a water right been decreed for the well?

Yes

☐ No

☒ Do not Know

k) What is the decreed name of the well? _____

2 Do you divert water from an adjudicated spring for domestic, agricultural, or other use?

Yes

☐ No

☐ Do not Know

If yes:

a) What is the name of the spring? _____

b) What are the designated/decreed uses of the spring? _____

c) Is water from the spring treated before use?

Yes

☐ No

☐ Do not Know

d) Can a water sample be collected from the spring prior to any treatment or storage vessel?

Yes

☐ No

☐ Do not Know

e) On average, how many months per year do you divert water from the spring? _____

f) If known, what is the typical flow rate from the spring? _____

g) Is the spring accessible by vehicle or only by foot? _____ Foot _____ Vehicle (please circle one)

3 Do you divert water from a stream that is fed by a spring for domestic, agricultural, or other use?

Yes

☐ No

☐ Do not Know

If yes:

a) Is there a water right for the diversion structure?

Yes

☐ No

☐ Do not Know

b) What is the name of the diversion structure? _____

c) On average, how many months per year do you divert water from the stream? _____

d) If known, what is the typical flow rate diverted through the structure? _____

e) Is the source spring located on your property?

Yes

☐ No

☐ Do not Know

If not, what is the name of the landowner? _____

4 Please indicate on the attached map, the approximate locations of wells, springs, and diversion points listed in Questions 1, 2, and 3 above.

5 Do you see having a water sample collected a difficult thing to schedule?

Yes

☐ No

☒ Do not Know

(sampling would take about 30 to 45 minutes)

6 Is there anything else unique about this water source that you would like to make us aware of?

Water Source Questionnaire

Please answer the questions below about your water source as best you can and return with the signed letter.

1 Has a well permit been issued by the Colorado Division of Water Resources for a well on your property? Yes No Do not Know

If yes:

- a) What is the well permit number? # KD SPRING
- b) What are the designated/decreed uses of the well? _____
- c) On average, how many months per year do you use the well? _____
- d) Is there an operable pump in the well? Yes No Do not Know
If yes, at what depth is the pump set? _____ feet below ground surface
- e) If known, what is the typical pumping rate from the well? _____
- f) If known, what is the approximate depth of the well? _____
- g) Is water from the well treated before use? Yes No Do not Know
- h) Can a water sample be collected from the well prior to any treatment or storage vessel? Yes No Do not Know
- i) Is the well accessible by vehicle or only by foot? Foot Vehicle (please circle one)
- j) Has a water right been decreed for the well? Yes No Do not Know
- k) What is the decreed name of the well? _____

2 Do you divert water from an adjudicated spring for domestic, agricultural, or other use? Yes No Do not Know

If yes:

- a) What is the name of the spring? _____
- b) What are the designated/decreed uses of the spring? _____
- c) Is water from the spring treated before use? Yes No Do not Know
- d) Can a water sample be collected from the spring prior to any treatment or storage vessel? Yes No Do not Know
- e) On average, how many months per year do you divert water from the spring? _____
- f) If known, what is the typical flow rate from the spring? _____
- g) Is the spring accessible by vehicle or only by foot? Foot Vehicle (please circle one)

3 Do you divert water from a stream that is fed by a spring for domestic, agricultural, or other use? Yes No Do not Know

If yes:

- a) Is there a water right for the diversion structure? Yes No Do not Know
- b) What is the name of the diversion structure? _____
- c) On average, how many months per year do you divert water from the stream? _____
- d) If known, what is the typical flow rate diverted through the structure? _____
- e) Is the source spring located on your property? Yes No Do not Know
If not, what is the name of the landowner? _____

4 Please indicate on the attached map, the approximate locations of wells, springs, and diversion points listed in Questions 1, 2, and 3 above.

5 Do you see having a water sample collected a difficult thing to schedule? Yes No Do not Know
(sampling would take about 30 to 45 minutes)

6 Is there anything else unique about this water source that you would like to make us aware of?



August 22, 2018

Dear Nick Solawetz:

The following is in response to your request for proof of delivery on your item with the tracking number:
7013 2630 0001 1212 8755.

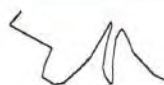
Item Details

Status: Delivered, Left with Individual
Status Date / Time: July 30, 2018, 12:19 pm
Location: ENGLEWOOD, CO 80111
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 2.0oz

Recipient Signature

Signature of Recipient:	
Address of Recipient:	STUDIO USE

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

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Access Granted

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(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
ENGLEWOOD, CO 80111	
OFFICIAL USE	
Postage	\$3.45
Certified Fee	\$0.00
Return Receipt Fee (Endorsement Required)	\$1.50
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$0.00
	\$1.21
	\$6.16

Sent To: Puckett Land CO. Attn: Roy Anderson
Street, Apt. No. or PO Box No.: 260 S Quebec St Suite 250
City, State, ZIP+4: Englewood Village, CO 80111

PS Form 3800, August 2008 See Reverse for Instructions



July 27, 2018

Petroleum Development Corporation
120 North Railroad Avenue
Parachute, CO 81635

RE: Baseline Groundwater Monitoring Program: Drill Pad MV 60-8D

Dear Sir or Madam:

Under Colorado Oil and Gas Conservation Commission (COGCC) Rule 609, all oil and gas operators are required to conduct baseline groundwater sampling and monitoring within one-half mile of a well pad containing new production well(s) or injection well(s). The rule was promulgated to gather baseline water quality data prior to oil and gas development occurring within a particular area and to gather additional water quality data after drilling and completion operations.

Sampling sites may be registered water wells or permitted or adjudicated springs. Up to four groundwater sampling sites will be included in the baseline sampling and monitoring program within the one-half mile radius of the well pad. Sampling of these groundwater sites will occur three times; once within 12 months prior to drilling the first well on the pad, once between 6 and 12 months after completion of the last well on the pad, and once between 60 and 72 months after completion of the last well on the pad. Final water quality results of each sample will be provided to the well or spring owner and to COGCC.

Terra Energy Partners Rocky Mountain, LLC (TEP) is planning on constructing Drill Pad MV 60-8D and/or a new well located in the SW1/4, NE1/4, Section 8, Township 7S, Range 96W, 6th P.M. Our research of state databases indicates that you may own property and/or hold one or more state permits or water right decrees for wells or springs located on property within 0.5 miles of the well pad. These identified wells and/or springs are listed below:

1. **Water Well Permit No. 285068:** Latitude/Longitude (decimal degrees): 39.450371, -108.133108
2. **Water Well Permit No. 285069:** Latitude/Longitude (decimal degrees): 39.450540, -108.13.002
3. **Water Well Permit No. 285070:** Latitude/Longitude (decimal degrees): 39.450423, -108.133007
4. **Water Well Permit No. 285071:** Latitude/Longitude (decimal degrees): 39.450519, -108.133122
5. **Water Well Permit No. 285073:** Latitude/Longitude (decimal degrees): 39.450462, -108.133035

These structures may qualify for baseline sampling and monitoring under Rule 609. If you do not have a well or spring on your property, or if you choose not to have your well or spring sampled for baseline water quality under Rule 609, please indicate so on the Acknowledgment Form provided in this letter.

This Acceptance Letter and Acknowledgment Form apply to the above water sources only. You may receive additional Acknowledgment Forms in the future for other water sources under your ownership or control that are related to other planned TEP drill pads or wells. Your decision to approve or decline participation in the baseline water quality program for the above water sources will also apply for new future TEP drill pads and wells other than Drill Pad MV 60-8D that are located within the 0.5 mile distance of these water sources. In these cases, a new Acknowledgment Form will not be mailed to you.

If you chose to include your well or spring in the Baseline Groundwater Sampling and Monitoring Program, please complete the attached questionnaire prepared by TEP to evaluate the groundwater source(s). The questionnaire is intended to assist TEP in the assessment of the best potential baseline groundwater monitoring sites.

Completion of the attached questionnaire is not required for consideration of your well or spring for the program, but final selection of sampling sites may be partially dependent on the results of the questionnaire. Completing the questionnaire and approval to sample your water source does not guarantee that your well or spring will be selected for the baseline sampling and monitoring program. Completed questionnaires will be confidential except for information that is required to be reported to the state.

If you agree to have your well or spring become a monitoring site for the program, and said well or spring is selected for sampling and monitoring, you will be notified and invited to attend the sampling event. Water quality data results will be provided to you and to COGCC within 3 months of sample collection. Please note that COGCC will make the results public by posting the results on the agency's public database and that by signing below to agree to have your well sampled, you also grant TEP permission to provide the data results to COGCC and COGCC's public database.

Please sign and date the attached Acknowledgment Form indicating your choice of participation in the program and return the form using the included pre-addressed envelope. If TEP does not receive this executed letter within 30 days from the date above, TEP will consider that you do not want to participate in the program. Please contact your TEP land representative at 970-210-4244, or myself at 970-623-4875, with any questions you may have. We appreciate your time and cooperation.

If at any time after returning the Acknowledgment Form you change your mind about your response, you may revise your response by contacting TEP.

Sincerely,

Mike Gardner
Environmental Specialist, TEP Energy

**Baseline Groundwater Quality Monitoring Program
Acknowledgment Form**

I _____ (print name), acknowledge that I have been contacted by TEP regarding the possible qualification of my well or spring as a Water Source for baseline groundwater sampling and monitoring under COGCC Rule 609 associated with TEP Drill Pad MV 60-8D, located in the SW1/4, NE1/4, Section 26, Township 7S, Range 96W, 6th P.M. If I agree to have my well or spring water sampled for water quality parameters, I understand that the resulting data will be submitted to the COGCC and will be part of a public database. I understand that if my well or spring is selected as an Available Water Source, I will be contacted by TEP representatives to schedule sample collection. I understand that the baseline groundwater program involves three separate sampling events over a period of time. In addition, I understand that this acknowledgment applies to future new drill pads or wells other than TEP Drill Pad MV 60-8D where the specific water sources may be in question under COGCC Rule 609.

_____ **I DO** want the following well(s) or spring(s) to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations.

_____ **I DO NOT** want my well or spring to be monitored for baseline groundwater quality in accordance with Rule 609 of the COGCC regulations.

Please check all that apply.

- ☐ **1. Water Well Permit No. 285068:** Latitude/Longitude (decimal degrees): 39.450371, -108.133108
- ☐ **2. Water Well Permit No. 285069:** Latitude/Longitude (decimal degrees): 39.450540, -108.13.002
- ☐ **3. Water Well Permit No. 285070:** Latitude/Longitude (decimal degrees): 39.450423, -108.133007
- ☐ **4. Water Well Permit No. 285071:** Latitude/Longitude (decimal degrees): 39.450519, -108.133122
- ☐ **5. Water Well Permit No. 285073:** Latitude/Longitude (decimal degrees): 39.450462, -108.133035

Signature: _____ Date: _____

Print Name: _____

Address: _____

Phone: _____



August 22, 2018

Dear Nick Solawetz:

The following is in response to your request for proof of delivery on your item with the tracking number:
7013 2630 0001 1212 8748.

Item Details

Status: We regret to inform you that we were unable to locate any delivery information in our records for your item.

Status Date / Time: N/A

Location: N/A

Postal Product: First-Class Mail®

Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 2.0oz

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

MV 60-8D + GV 1-8
Access Request
Returned to Sender

7013 2630 0001 1212 8748

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For delivery information visit our website at www.usps.com	
PARACHUTE, CO 81635	
Postage	\$3.45
Certified Fee	\$0.00
Return Receipt Fee (Endorsement Required)	\$1.50
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$0.00
	\$1.21
	\$6.16

0772710010N CO 81501

Postmark
Here
JUL 27 2018

Sent to
Petroleum Development Corp
Street, Apt. No.,
or PO Box No. 120 North Railroad Ave
City, State, ZIP+4
Parachute, CO 81635

PS Form 3800, August 2006 See Reverse for Instructions

Western Water & Land, Inc.
743 Horizon Ct. - Suites 330
Grand Junction, CO 81506



7013 2630 0001 1212 8748



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81635

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Petroleum Development Corporation
120 North Railroad Avenue
Parachute, CO 81635

NIXIE 808 EE 1 8608/10/18

RETURN TO SENDER
ATTEMPTED - NOT KNOWN
UNABLE TO FORWARD

BC: 81506 0159N22221-03875

Attachment B

Photographs



Photo 1. KD Spring Decreed Location



Photo 2. KD Spring Decreed Location



Photo 3. KD Spring Decreed Location



Photo 4. Section 8 Spring Decreed Location



Photo 5. Section 8 Spring Decreed Location



Photo 6. Section 8 Spring Decreed Location