1. WELL PERMIT NUMBER: 049544-MH 285095

2. WELL OWNER INFORMATION
   NAME OF WELL OWNER: Public Service Co. of Colo d/b/a Xcel Energy

   MAILING ADDRESS: 14940 County Road 24
   CITY: Brush STATE: CO ZIP CODE: 80723
   TELEPHONE NUMBER: (870) 842-1235

3. WELL LOCATION AS DRILLED:
   Section: N or S, Range 56, Twp. 3
   SE1/4, NE1/4, Sec. 19, 20
   DISTANCES FROM SEC. LINES:     ft. from □ N or □ S section line and     ft. from □ E or □ W section line.
   SUBDIVISION:   LOT   BLOCK   FILING (UNIT)
   Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units
   Owner's Well Designation: PNMW1B
   STREET ADDRESS AT WELL LOCATION: 14940 County Road 24, Brush, CO 80723

4. GROUND SURFACE ELEVATION 4330 feet
   DATE COMPLETED 11-17-10
   TOTAL DEPTH 40 feet
   DRILLING METHOD Hollow Stem Auger

5. GEOLOGIC LOG:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Type</th>
<th>Grain Size</th>
<th>Color</th>
<th>Water Loc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-17.5</td>
<td>Sand</td>
<td>Med-Fine</td>
<td>Tan</td>
<td></td>
</tr>
<tr>
<td>17.5-39.5</td>
<td>Clay</td>
<td>Silt-Sandy</td>
<td>Tan</td>
<td>30'</td>
</tr>
<tr>
<td>39.5-40</td>
<td>Shale</td>
<td>Silty</td>
<td>Grey</td>
<td></td>
</tr>
</tbody>
</table>

6. HOLE DIAM (in.)
   From (ft)  To (ft)
   10.25     0  40.5

7. PLAIN CASING:
   OD (in)  Kind  Wall Size (in)  From (ft)  To (ft)
   PVC SCH 40  0  20

8. FILTER PACK:
   Material  Sand  Type  NA
   Size  10/20   NA
   Interval  18-20'  Depth  NA

9. PACKER PLACEMENT:
   Material  Amount  Density  Interval  Placement
   Bentonite  350 LBS  NA  1-18'  Pour

10. GROUTING RECORD
    Remarks: Bentonite Hydrated During Installation
             Protective Steel Riser Installed

11. DISINFECTION: Type NA  Amt. Used NA

12. WELL TEST DATA:   □ Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.
    TESTING METHOD  NA
    Static Level 27.5 ft.  Date/Time measured: 12-1-10  Production Rate NA gpm.
    Pumping Level NA ft.  Date/Time measured NA  Test Length (hrs) NA
    Remarks: None

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed 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.]
    Company Name: Apex Consulting Services, Inc.
    Phone: (303)665-1400  License Number: PG-706 Wyoming
    Mailing Address: P.O. Box 369, Louisville, CO 80027-0369
    Signature: Michael D. Hattel, P.Eng.
    Date: 1/4/2011
PERMIT TO USE AN EXISTING WELL

APPLICANT

PUBLIC SERVICE COMPANY OF COLORADO
C/O APEX CONSULTING SERVICES
PO BOX 369
LOUISVILLE, CO 80027-0369
(303) 665-1400

APPROVED WELL LOCATION
MORGAN COUNTY
SE 1/4 NE 1/4 Section 19
Township 3 N Range 56 W Sixth P.M.

DISTANCES FROM SECTION LINES
2203 Ft. from North Section Line
735 Ft. from East Section Line

UTM COORDINATES (Meters, Zone:13,NAD83)
East: 612121 Northing: 4452180

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)(l) 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-049510, and known as PNMW1B.

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.)
**MONITORING/OBSERVATION**

**Water Well Permit Application**

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

### 1. Well Owner Information

Name of well owner:
Public Service Company of Colorado d/b/a Xcel Energy

Barry Andrews

Mailing address:
14940 County Road 24

City: Brush
State: CO
Zip code: 80723

Telephone #: (970) 842-1235

### 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 note acknowledgment:
MH-049510

Well name or #:
PNMW1B

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

<table>
<thead>
<tr>
<th>County</th>
<th>SE 1/4 of the NE 1/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morgan</td>
<td></td>
</tr>
</tbody>
</table>

- Section: 19
- Township: 3
- N or S: □
- Range: 56
- E or W: □
- Principal Meridian: 6th

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

- Ft. from □ N □ S
- 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):

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
- Remember to set Datum to NAD83

### 5. Property Owner Information

Name of property owner:
Public Service Company of Colorado d/b/a Xcel Energy

Mailing address:
14940 County Road 24

City: Brush
State: CO
Zip code: 80723

Telephone #: (970) 842-1235

### 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: 40 feet
- Aquifer: Unconfined

### 8. Consultant Information (if applicable)

Name of contact person:
Michael D. Hattel

Company name:
Apex Consulting Services, Inc.

Mailing address:
P.O. Box 369
Louisville
State: CO
Zip Code: 80027-0369

Telephone #: (303) 665-1400


### 10. Signature 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 here (Must be original signature):

Print name & title:
Michael Hattel, P.C.

Office Use Only

Trans Number: 3648968
1/11/2011 1:34:24 PM
Yolanda Johnson (14)
Total Trans Amt: $700.00
CREDIT CARD
Tender Amount: $700.00

**Receipt area only**
WELL CONSTRUCTION SUMMARY

LOCATION: PAVNIEE STATION

ELEVATION OF: TOP OF WELL CASING 4332.55 FT. GROUND SURFACE 4330.57 FT. PROTECTIVE CASING 4332.80 FT.

NOTE: BOTTOM OF STEEL RISER IS 2-3 FEET BELOW GROUND SURFACE

ALL DEPTHS ARE RELATIVE TO GROUND SURFACE EXCEPT AS INDICATED

DATE INSTALLED: 11-17-10
DRILLER: DRILLING ENGINEERS
SOIL SAMPLES: YES □ NO □
GEOPHYSICAL LOG: YES □ NO □

VOLUME:
SLURRY: N/A
SAND: 10/20
BENTONITE: 350 LBS.

CONSTRUCTION SUMMARY
PNMW1B

PROJECT: 1-0013.005.01
DATE: 12-15-10
REVISIONS: V-1

FIGURE 1
1. WELL PERMIT NUMBER: 049511-MH  285096

2. WELL OWNER INFORMATION
NAME OF WELL OWNER: Public Service Co. of Colo d/b/a Xcel Energy
MAILING ADDRESS: 14940 County Road 24
CITY: Brush  STATE: CO  ZIP CODE: 80723

3. WELL LOCATION AS DRILLED:  SW1/4, NE1/4, Sec. 19, Twp. 3, N or S.  Range 56, E or W
DISTANCES FROM SEC. LINES: ______ ft. from □ N or □ S section line and ______ ft. from □ E or □ W section line.
SUBDIVISION: _______________  LOT ___________  BLOCK ___________

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, □ Zone 12 or □ Zone 13

STREET ADDRESS AT WELL LOCATION: 14940 County Road 24, Brush, CO 80723

4. GROUND SURFACE ELEVATION 4358 feet
DATE COMPLETED 11-22-10
TOTAL DEPTH 62 feet

5. GEOLOGIC LOG:

Depth  Type  Grain Size  Color  Water Loc.
0-35'  Sand  Fine-Med  Tan
35-59' Clay  Silt-Sand  Tan  55.5'
59-82' Shale  Silty  Grey

6. HOLE DIAM (in.)  From (ft)  To (ft)

7. PLAIN CASING:

OD (in)  Kind  Wall Size (in)  From (ft)  To (ft)
4  PVC  SCH 40  0  27

8. FILTER PACK:

Material  Sand  Type  NA
Size  10/20  NA
Interval  25-62'  Depth NA

9. PACKER PLACEMENT:

Material  Bentonite  Density  Interval  Placement
Bent:  500 LBS  NA  1-25'  Pour

10. GROUTING RECORD

Remarks: Bentonite Hydrated During Installation
Protective Steel Riser Installed.

11. DISINFECTION:  Type NA  Amt. Used NA

12. WELL TEST DATA:  □ Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.

TESTING METHOD  NA
Static Level 45.9 ft.  Date/Time measured: 12-1-10  Production Rate NA gpm.
Pumping Level NA ft.  Date/Time measured NA  Test Length (hrs) NA
Remarks: None

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed 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.]

Company Name: Apex Consulting Services, Inc.
Phone: (303) 866-1400  License Number: PG-706 Wyoming

Mailing Address: P.O. Box 369, Louisville, CO 80027-369

Signature: Michael D. Hattel  Print Name and Title  Date

Received: JAN 11 2011
WATER RESOURC. STATE ENGINEER
COLO.
## WELL PERMIT NUMBER

<table>
<thead>
<tr>
<th>DIV. 1</th>
<th>WD 1</th>
<th>DES. BASIN</th>
<th>MD</th>
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</thead>
<tbody>
<tr>
<td>286096</td>
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</tbody>
</table>

### APPROVED WELL LOCATION

- **Morgan County**
  - SW 1/4 NE 1/4 Section 19
  - Township 3 N Range 56 W Sixth P.M.

### DISTANCES FROM SECTION LINES

- 2049 Ft. from North Section Line
- 1986 Ft. from East Section Line

### UTM COORDINATES (Meters, Zone:13,NAD83)

- Easting: 611739
- Northing: 4452218

---

### 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)(l) 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 notice MH-PNMW2B, and known as 049511.

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**

**SVJ**

State Engineer

**DATE ISSUED** 02-17-2011

**EXPIRATION DATE**
MONITORING/OBSERVATION
Water Well Permit Application
Review instructions on reverse side prior to completing form.
The form must be completed in black or blue ink or typed.

1. Well Owner Information
Name of well owner
Public Service Company of Colorado d/b/a Xcel Energy
Barry Andrews

Mailing address
14940 County Road 24

City
Brush
State
CO
Zip code
80723

Telephone #
(970)842-1235

2. Type Of Application (check applicable boxes)
☐ Use existing well  ☐ Replacement for existing monitoring well:
☒ Construct new well
☐ Other:

3. Refer To (if applicable)
Monitoring Form acknowledgment
MH-049511

Well name or #
PNMW2B

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

SW 1/4 of the NE 1/4

Section
Township
N or S
Range
E or W
Principal Meridian

19
3
☐ ☐
56
☐ ☐
6th

Distance of well from section lines (section lines are typically not property lines)
ft. from ☐ N ☐ S

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.

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

Remember to set Datum to NAD83

5. Property Owner Information
Name of property owner
Public Service Company of Colorado d/b/a Xcel Energy

Mailing address
14940 County Road 24

City
Brush
State
CO
Zip Code
80723

Telephone #
(970) 842-1235

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

Unconfined

8. Consultant Information (if applicable)

Name of contact person
Michael D. Hattel

Company name
Apex Consulting Services, Inc.

Mailing address
P.O. Box 369

City
Louisville
State
CO
Zip Code
80027-0369

Telephone #
(303) 665-1400

9. Proposed Well Driller License # (optional): PG-706 WY

10. Signature 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 here (Must be original signature)

Date

Print name & title

Office Use Only

Receipt area only

Trans Number: 3646666

Yolanda Johnson (14)
Total Trans Amt: $700.00
CREDIT CARD
Tender Amount: $700.00
LOCATION: PAWNIE STATION

ELEVATION OF: TOP OF WELL CASING 4360.17 FT.  GROUND SURFACE 4358.35 FT.  PROTECTIVE CASING 4360.42 FT.

NOTE: BOTTOM OF STEEL RISER IS 2–3 FEET BELOW GROUND SURFACE

ALL DEPTHS ARE RELATIVE TO GROUND SURFACE EXCEPT AS INDICATED

LOCKING PROTECTIVE STEEL

LOCKABLE CAP

CONCRETE PAD

2.0 FT.

BENTONITE CHIPS (HYDRATED)

4 IN. I.D. SCH. 40 PVC WELL CASING

25.0 FT.

27.0 FT.

JOINT (FLUSH THREADED TRILOC WITH "O" RING)

GRADE 10–20 FILTER SAND

62.0 FT.

62.1 FT.

END CAP

4 IN. I.D. SCH. 40 PVC WELL SCREEN

0.02 IN. MACHINED SLOTS

INSTALLED BY: MIKE HATTEL, P.C.

DATE INSTALLED 11–22–10

DRILLER DRILLING ENGINEERS

SOIL SAMPLES □ YES □ NO

GEOPHYSICAL LOG □ YES □ NO

VOLUME: SLURRY N/A

SAND 10/20

BENTONITE 500 LBS.

CONSTRUCTION SUMMARY PNMW2B

PROJECT: 1–0013.005.01

DATE: 12–15–10

REVISIONS V–1

FIGURE 2

APLEX
<table>
<thead>
<tr>
<th>Date       </th>
<th>11-29-10</th>
<th>48</th>
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<tr>
<td>Type</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Grain Size</td>
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<td></td>
<td></td>
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<td>Color</td>
<td>Tan</td>
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<tr>
<td>OD (in)</td>
<td></td>
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<td></td>
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<tr>
<td>Kind</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Wall Size (in)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From (ft)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To (ft)</td>
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<td>PVC</td>
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<td>48</td>
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</tbody>
</table>

8. FILTER PACK:
- Material: Sand
- Type: NA
- Size: 10/20
- Interval: 16-48'
- Depth: NA

9. PACKER PLACEMENT:
- Type: NA

10. GROUTING RECORD:
- Material: Sand
- Amount: 350 LBS
- Density: NA
- Interval: 16-48'
- Placement: Pour

11. DISINFECTION: Type NA

12. WELL TEST DATA:
- Static Level: 26.8 ft.
- Date/Time measured: 12-1-10
- Production Rate: NA gpm.
- Pumping Level: NA ft.
- Date/Time measured: NA
- Test Length (hrs): NA
- Remarks: None

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed 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 37-51-108(1)(e), C.R.S., and is punishable by fines up to $5000 and/or revocation of the contracting license.)

Company Name: Apex Consulting Services, Inc.
Phone: (303) 665-1400
License Number: PG-706 Wyoming

Mailing Address: P.O. Box 369, Louisville, CO 80027-0369

Signature: Michael D. Hattel
Print Name and Title: Michael D. Hattel, P.E.

Date: 1/4/2011
OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Blvd., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL PERMIT NUMBER 285098 - - -
DIV. 1 WD 1 DES. BASIN MD

APPLIED FOR
PUBLIC SERVICE COMPANY OF COLORADO
C/O APEX CONSULTING SERVICES
PO BOX 389
LOUISVILLE, CO 80027-0369

(303) 665-1400

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-049512, and known as PNMWSB.

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
SVJ

State Engineer

Receipt No. 3648666D  DATE ISSUED 02-17-2011

By

EXPIRATION DATE
MONITORING/OBSERVATION
Water Well Permit Application
Review instructions on reverse side prior to completing form. The form must be completed in black or blue ink or typed.

1. Well Owner Information
Name of well owner
Public Service Company of Colorado d/b/a Xcel Energy
Barry Andrews
Mailing address
14940 County Road 24
City
Brush
Telephone # (970) 842-1235

2. Type of Application (check applicable boxes)
☐ Use existing well
☐ Replacement for existing monitoring well:
☒ Construct new well
☐ Other:
Permit no.:

3. Refer To (if applicable)
Monitoring role acknowledgment
MH: 049512
Well name or # PNMW5B

4. Location of Proposed Well (Important! See Instructions)
County: Morgan
Section
Township
N or S
Range
E or W
Principal Meridian
19
3
□ □
56
□ □
6th

Distance of well from section lines (section lines are typically not property lines)
Fl. from
N □ S
□ □ □
Fl. 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.

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
Remember to set Datum to NAD83

5. Property Owner Information
Name of property owner
Public Service Company of Colorado d/b/a Xcel Energy
Mailing address
14940 County Road 24
City
Brush
State
CO
Zip Code
80723
Telephone # (970) 842-1235

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
48 feet
Aquifer
Unconfined

8. Consultant Information (if applicable)
Name of contact person
Michael D. Hattel
Company name
Apex Consulting Services, Inc.
Mailing address
P.O. Box 369
Louisville
CO
80027-0369
Telephone # (303) 665-1400

9. Proposed Well Driller License # (optional): PG-706 WY

10. Signature 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.

Signature (Must be original signature)
[Signature]
[Date]

Print name & title
Michael Hattel, P.E.

Office Use Only
USGS map name
DWR map no.
Surface elev.

2100's 7TH Receipt area only

Trans Number: 3648666 D
1/11/2011 1:34:22 PM
Yolanda Johnson (14)
Total Trans Amt: $700.00
CREDIT CARD
Tender Amount: $700.00

DIV WD BA MD
WELL CONSTRUCTION SUMMARY

LOCATION: PAVNIEE STATION

ELEVATION OF: TOP OF WELL CASING 4341.46 FT.  GROUND SURFACE 4339.39 FT.  PROTECTIVE CASING 4341.71 FT.

ALL DEPTHS ARE RELATIVE TO GROUND SURFACE EXCEPT AS INDICATED

NOTE: BOTTOM OF STEEL RISER IS 2-3 FEET BELOW GROUND SURFACE

2.0 FT.

LOCKING PROTECTIVE STEEL

LOCKABLE CAP

CONCRETE PAD

16.0 FT.

18.0 FT.

BENTONITE CHIPS (HYDRATED)

4 IN. I.D. SCH. 40 PVC WELL CASING

JOINT (FLUSH THREADED TRILOC WITH "O" RING)

GRADE 10-20 FILTER SAND

4 IN. I.D. SCH. 40 PVC WELL SCREEN 0.02 IN. MACHINED SLOTS

48.0 FT.

END CAP

INSTALLED BY: MIKE HATTEL, P.C.

DATE INSTALLED 11-29-10

DRILLER DRILLING ENGINEERS

SOIL SAMPLES ☐ YES ☒ NO

GEOLOGICAL LOG ☐ YES ☒ NO

VOLUME: SLURRY N/A

SAND 10/20

BENTONITE 350 LBS.

CONSTRUCTION SUMMARY PNMW5B

PROJECT: 1-0013.005.01  REVISIONS

DATE: 12-15-10  V-1

FIGURE 4

NOT TO SCALE
**WELL CONSTRUCTION AND TEST REPORT**

**STATE OF COLORADO, OFFICE OF THE STATE ENGINEER**
1313 Sherman St, Room 818, Denver, CO 80203
Phone - Info (303) 866-3587  Main (303) 866-3581
Fax (303) 866-3599
http://www.water.state.co.us

1. **WELL PERMIT NUMBER:** MH-049615

2. **WELL OWNER INFORMATION**
   - **NAME OF WELL OWNER:** Public Service Co. of Colo d/b/a Xcel Energy
   - **MAILING ADDRESS:** 14940 County Road 24
   - **CITY:** Brush  
   - **STATE:** CO  
   - **ZIP CODE:** 80723
   - **TELEPHONE NUMBER:** (970) 842-1235

3. **WELL LOCATION AS DRILLED:** SE1/4, SE1/4, Sec. 19, Twp. 3  
   - **N or S, Range 56**  
   - **E or W**  
   - **DISTANCES FROM SEC. LINES:** ft. from N or S section line and ft. from E or W section line.
   - **SUBDIVISION:**  
   - **LOT:**  
   - **BLOCK:**  
   - **FILING (UNIT):**  
   - **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, Zone 12 or Zone 13

4. **GROUND SURFACE ELEVATION:** 4372 ft
   - **DATE COMPLETED:** 11-30-10
   - **TOTAL DEPTH:** 75 ft
   - **DRILLING METHOD:** Hollow Stem Auger

5. **GEOLOGIC LOG:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Type</th>
<th>Grain Size</th>
<th>Color</th>
<th>Water Loc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-46'</td>
<td>Sand</td>
<td>V Fine-Med</td>
<td>Tan</td>
<td></td>
</tr>
<tr>
<td>46-51'</td>
<td>Clayey Sand</td>
<td>Med</td>
<td>Tan</td>
<td></td>
</tr>
<tr>
<td>51-72'</td>
<td>Sand</td>
<td>Fine-Med</td>
<td>Tan 69'</td>
<td></td>
</tr>
<tr>
<td>72-74.5'</td>
<td>Clay</td>
<td>Silty</td>
<td>Grey</td>
<td></td>
</tr>
<tr>
<td>74.5-75'</td>
<td>Shale</td>
<td>Silty</td>
<td>Grey</td>
<td></td>
</tr>
</tbody>
</table>

6. **HOLE DIAM (in.)**  
   - **From (ft):**  
   - **To (ft):**  
   - **4-10:**  
   - **12:**  
   - **14:**  
   - **16:**  
   - **18:**  
   - **20:**  
   - **22:**  
   - **24:**  
   - **26:**  
   - **28:**  
   - **30:**  

7. **PLAIN CASING:**
   - **OD (in):**  
   - **Kind:**  
   - **Wall Size (in):**  
   - **From (ft):**  
   - **To (ft):**  
   - **4:**  
   - **PVC:**  
   - **SCH 40:**  
   - **45:**  
   - **75:**

8. **PERFORATED CASING:**
   - **Screen Slot Size (in):**  
   - **4:**  
   - **PVC:**  
   - **SCH 40:**  
   - **45:**  
   - **75:**

9. **FILTER PACK:**
   - **Material:**  
   - **Sand:**  
   - **Size:**  
   - **10/20:**  
   - **Interval:**  
   - **43-75':**  
   - **Depth:**  

10. **GROUTING RECORD**
   - **Material:**  
   - **Amount:**  
   - **Density:**  
   - **Interval:**  
   - **Placement:**

Remarks: Bentonite Hydrated During Installation
Protective Steel Riser installed

11. **DISINFECTION:** Type NA
    - **Amt. Used:** NA

12. **WELL TEST DATA:**
    - **Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.**
    - **TESTING METHOD:** NA
    - **Static Level 66.8 ft:**
    - **Date/Time measured:** 12-1-10
    - **Production Rate:** NA gpm
    - **Pumping Level NA ft:**
    - **Date/Time measured:**
    - **Test Length (hrs):** NA

Remarks: None

13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed 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.)

Company Name: Apex Consulting Services, Inc.

Mailing Address: P.O. Box 369, Louisville, CO 80027-0369

Signature: Michael D. Hattel, P.C.

Print Name and Title Date

For Office Use Only

RECEIVED

JAN 11 2011

WATER RESOURCES STATE ENGINEER COLO.

STATE: CO
ZIP CODE: 80723
TELEPHONE NUMBER: (970) 842-1235
OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3561

WELL PERMIT NUMBER 285101
DIV. 1    WD 1    DES. BASIN    MD

APPLICANT
PUBLIC SERVICE COMPANY OF COLORADO
C/O APEX CONSULTING SERVICES
PO BOX 369
LOUISVILLE, CO 80027-0369
(303) 665-1400

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)(l) 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-049516, and known as PNMW11.

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
SVJ

State Engineer

Receipt No. 3648668G                      DATE ISSUED 02-17-2011

EXPIRATION DATE
MONITORING/OBSERVATION
Water Well Permit Application

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

1. Well Owner Information
Name of well owner:
Public Service Company of Colorado d/b/a Xcel Energy
Barry Andrews

Mailing address:
14940 County Road 24

City:
Brush

Telephone #:
(970)842-1235

E-Mail (Optional):

2. Type Of Application (check applicable boxes)
☐ Use existing well
☐ Replacement for existing monitoring well:
☒ Construct new well

Permit no.:

3. Refer To (if applicable)
Monitoring hole acknowledgment:
MH-049516

Well name or #:
PNMW11

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

SE

Principal Meridian

Section

Township

N or S

Range

E or W

Principal Meridian

19

3

☐

56

☐

6th

Distance of well from section lines (section lines are typically not property lines):
Fl. from ☐ N ☐ S
Fl. 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.

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? ☑

Remember to set Datum to NAD83

5. Property Owner Information
Name of property owner:
Public Service Company of Colorado d/b/a Xcel Energy

Mailing address:
14940 County Road 24

City:
Brush

Telephone #:
(970) 842-1235

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:
75'

Feet

Unconfined

8. Consultant Information (if applicable)
Name of contact person:
Michael D. Hattel

Company name:
Apex Consulting Services, Inc.

Mailing address:
P.O. Box 369

City:
Louisville

State:
CO

Zip Code:
80027-0369

Telephone #:
(303) 665-1400


10. Signature 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 here (must be original signature):

Date:

Print name & title:
Michael Hattel, P. E.

Office Use Only

Receive area only

Trans Number: 3648668
1/11/2011 1:34:24 PM
Yolanda Johnson (14)
Total Trans Amt: $700.00
CREDIT CARD:
Tender Amount: $700.00
WELL CONSTRUCTION SUMMARY

LOCATION: PAWNEE STATION

ELEVATION OF: TOP OF WELL CASING 4374.48 FT.  GROUND SURFACE 4371.99 FT.  PROTECTIVE CASING 4374.73 FT.

NOTE: BOTTOM OF STEEL RISER IS 2-3 FEET BELOW GROUND SURFACE

INSTALLED BY: MIKE HATTEL, P.C.

DATE INSTALLED 11-30-10
DRILLER DRILLING ENGINEERS
SOIL SAMPLES □ YES □ NO
GEOPHYSICAL LOG □ YES □ NO
VOLUME: SLURRY N/A  SAND 10/20  BENTONITE 950 LBS.

DRILLING METHOD HOLLOW STEM AUGERS
BORING LOG YES
COMMENTS ____________________________

CONSTRUCTION SUMMARY
PNMW11B
PROJECT: 1-0013.005.01
DATE: 12-15-10
REVISIONS V-1

FIGURE 7 APEX