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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street  
Charleston, WV 25304  
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Harold D. Ward, Cabinet Secretary  
dep.wv.gov

## Fact Sheet

Ascent Resources – Marcellus, LLC / Class 2R UIC Permit Number 2R09500004AP

### Purpose of Fact Sheet

The purpose of this fact sheet is to briefly describe the principal facts and considerations that went into preparation of the draft permit as required in 47 CSR 13-13.31.

### Facility Description

Ascent Resources - Marcellus, LLC operates an Enhanced Oil Recovery (EOR) Class 2 Underground Injection Control (UIC) referred to as the Stringtown Field in Tyler, Wetzel, and Doddridge Counties, West Virginia that is permitted to inject Class 2 compliant fluid associated with oil and natural gas production and fresh water.

### Public Participation

Per 47 CSR 13-13.24.b.1 the public has thirty (30) days to review and comment on Class 2 UIC draft permits. As part of the draft permit, a public notice is developed by WVDEP, and the permittee is responsible for a Class I legal advertisement.

The public comment period for the above named UIC permit will begin on **August 7, 2024, and end on September 6, 2024**. All written comments on the draft permit can be mailed to:

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
Attn: UIC Program  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

Comments may also be faxed to (304) 926-0452, Attn: UIC Program, or e-mailed to DEPOOGEP@wv.gov with “UIC Comments” in the subject line. Please include an email or street address for reply.

Promoting a healthy environment.

WVDEP will review and consider all comments filed within the public comment period. A response to all significant comments will be made by WVDEP. After review and consideration of comments, a final decision to reissue or deny the permit application will be made.

## **Summary of Permit Conditions**

The permit is developed to help ensure and protect human health and the environment.

The Class 2 UIC wells shall be constructed, monitored, operated, and tested to help ensure protection of Underground Sources of Drinking Water (USDWs).

The facility is permitted to operate 112 injection wells for the purpose of Enhanced Oil Recovery (EOR) and can inject Class 2 compliant fluids derived solely from within the Stringtown Field and fresh water.

The permit authorizes injection of Class 2 compliant fluids and fresh water into the Gordon Sand formation at depths ranging from 1,812 to 2,118 feet below sea level.

The Class 2 UIC wells have a calculated maximum injection pressure below the formation parting pressure to ensure the confining layer(s) is not fractured. The maximum wellhead injection pressure for all 112 injection wells is 652 psi.

The casing, tubing, and packer of the Class 2 UIC injection wells shall be tested for integrity at least once every five (5) years. The minimum test pressure for all the 112 injection wells is 717 psi (652 x 1.1).

The Class 2 UIC wells shall have piping, connecting any pumps and the well, pressure tested at least once every five (5) years. The minimum test pressure for the pipeline is 752 psi (652 + 100).

The Class 2 UIC wells shall be monitored daily for injection pressures, rates, and volumes. The injection reporting results shall be submitted to WVDEP.

The Class 2 injected fluid shall be sampled and analyzed at least once a year. The injectate reporting results shall be submitted to WVDEP.

## **Area of Review**

Every five (5) years the permittee is required to investigate and document all active, abandoned, and plugged wells within a ¼ mile fixed radius of the injection well, which could be potential conduits for injection fluids.

At least every five (5) years the permittee shall sample all domestic water wells (sources) within the area of review.

## **Duration of Permit**

Permits for Class 2 UIC wells are valid for a period of five (5) years. Note: The permittee can apply to renew a UIC permit no later than one hundred and eighty (180) days prior to the expiration date.

### **Facility / Field Location:**

On the Waters of Indian Creek in the  
McElroy, McClellan, and Green Districts  
of Wetzel, Tyler, and Doddridge Counties, WV

UTM NAD 83  
Northing 4367888  
Easting 526584  
Latitude 39.460154  
Longitude -80.690985

### **WVDEP Contact:**

Office of Oil and Gas  
Andrew L. Lockwood  
601 57th Street, SE  
Charleston, WV 25304  
(304) 926-0499, ext. 41104

### **Permittee Contact:**

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Lafayette, LA 70503