



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

DEP USE ONLY	
Permittee's eFACTS ID 268470	Auth ID 1234931
Watershed Name	Quality

WELL PERMIT MODIFICATION

Permittee RICE DRILLING B LLC		OGO.# OGO-39054	Permit Number 37-059-27403-00-01	Date Issued 08/13/2018
Address 2400 ANSYS DRIVE		Farm Name & Well Number COSGRAY 9		Well Serial #
SUITE 200		Municipality Franklin Twp	County Greene	
CANONSBURG, PA 15317		7½' Quadrangle Name Waynesburg	Map Section # 8	
Phone (724) 809-5469	Project #		Latitude 39-54-14.5100	Longitude -80-10-12.2300
Surf Elev at Site 1107 feet	Anticipated Maximum TVD 7847 feet	Well Type GS	Offset distances referenced to NE corner of map section. South 4603 feet West 953 feet	

This permit covering the well operator and well location shown above is evidence of permission granted to conduct activities in accordance with the Oil and Gas Act and the Oil and Gas Conservation Law, if the well is subject to that act and any rules and regulations promulgated thereunder, subject to the conditions contained herein and in accordance with the application submitted for this permit. This permit does not convey any property rights.

This permit and the permittee's authority to conduct the activities authorized by this permit are conditioned upon operator's compliance with applicable law and regulations.

Notification must be given to the district oil and gas inspector, the surface landowner and political subdivision of the date well drilling will begin at least 24 hours prior to commencement of drilling activities.

The permittee hereby authorizes and consents to allow, without delay, employees or agents of the Department to have access to and to inspect all areas upon presentation of appropriate credentials, without advance notice or a search warrant. This includes any property, facility, operation or activity governed by the Oil and Gas Act, the Oil and Gas Conservation Law, the Coal and Gas Resource Coordination Act and other statutes applicable to oil and gas activities administered by the Department. The authorization and consent shall include consent to the Department to collect samples of wastewaters or gases, to take photographs, to perform measurements, surveys, and other tests, to inspect any monitoring equipment, to inspect the methods of operation and disposal, and to inspect and copy documents required by the Department to be maintained. The authorization and consent includes consent to the Department to examine books, papers, and records pertinent to any matter under investigation pursuant to the Oil and Gas Act or pertinent to a determination of whether the operator is in compliance with the above referenced statutes. This condition in no way limits any other powers granted to the Department under the Oil and Gas Act and other statutes, rules and regulations applicable to these activities as administered by the Department.

This permit does not relieve the operator from the obligation to comply with the Clean Streams Law and all statutes, rules and regulations administered by the Department.

Special Permit Conditions:

Prior to setting casing/tubing in or producing from the shale lateral, the vertical portion of the hole, if it extends below the Kick-Off Point (KOP), must be plugged back to the KOP according to the requirements of §§ 78a.91 through 78a.95. The procedure used to plug this section of the well will be submitted with or as part of the Well Record and Completion Report.

The Operator shall run a complete angular deviation survey of the intentionally deviated well and submit it to the Department with the other information required in the Well Record. The deviation survey is to be obtained by a responsible well surveying company and shall include a well location plat and vertical section of the borehole as drilled that shows comparison to the well location plat and vertical section as permitted.

The permittee shall not withdraw or use water from water sources within the Commonwealth of Pennsylvania to hydraulically fracture an unconventional formation unless the permittee does so in accordance with a Water Management Plan approved by the Department.

Any dam embankment utilized to impound freshwater or other fluids approved by the Department associated with drilling and hydraulic fracturing not requiring a permit pursuant to 25 Pa. Code Chapter 105 will be constructed in accordance with Department guidelines 5500-PM-OG0085 entitled, Design, construction and maintenance standards for dam embankments associated with impoundments for oil and gas wells."

NOTE: WELL IS LOCATED WITHIN THE OUTSIDE COAL BOUNDARIES OF THE EMERALD 1 MINE.

This permit expires 08/13/2019 unless drilling is commenced on or before that date and prosecuted with due diligence.

Regional Oil and Gas Program Manager

JOEL M KELLER

25 TECHNOLOGY DRIVE
COAL CENTER, PA 15423

724-769-1052

Oil & Gas Inspector

Address

Phone Number