

15A NCAC 05H .1623 WELL DRILLING REPORT

Within 30 calendar days after drilling an oil or gas well, the permittee shall submit Form 12 – Well Drilling Report to the Department that includes the following information:

- (1) the permittee's name, address, telephone number, fax number, and email address;
- (2) the county and nearest city or town where the oil or gas well is located;
- (3) the property street address, or nearest address to the ingress and egress point leading from a public road to the well pad;
- (4) the API number, the lease name, and the oil or gas well name and number;
- (5) the type of oil or gas well;
- (6) the date the drilling started and was completed;
- (7) the method of drilling;
- (8) the hole diameter and depth wellbore at each casing setting depth and the total depth, both true vertical and measured of the oil or gas well;
- (9) the size and depth of conductor casing, surface casing, intermediate casing, and production casing, if applicable;
- (10) the type and amount of cement and results of cementing procedures, including copies of all cement tickets and the results of cement evaluations completed pursuant to Rule .1606 and Rule .1607 of this Section;
- (11) the location of casing collars, the top of cement for each casing string, and centralizers, and the method used to make such determinations;
- (12) the elevation relative to the kelly bushing and total vertical and measured depth of the wellbore;
- (13) a paper and digital copy of all electrical, radioactive, or other standard industry logs:
 - (a) standard electric log with curve data shall be submitted in LAS digital data format and as a .pdf, .tiff, or .pds;
 - (b) specialty logs with array data shall be submitted in LIS or DLIS digital data format and as a .pdf, .tiff, or .pds; and
 - (c) cement bond logs shall be submitted as a.pdf, .tiff, or .pds; with the casing collars, centralizers, and top of cement located;
- (14) a drilling log that includes the name, depth, and thickness of formations penetrated from the surface to total depth. The drilling log shall also include the depth of oil or gas producing zone(s), depth of groundwater and brines, and the source of the information. The report shall also contain other data recorded about groundwater zones, anomalous pressure zones, zones with corrosive fluids, lost circulation zones, and other zones with fluids capable of annular flow and how the casing and cementing program was modified in response to the information;
- (15) copies of pressure tests and formation integrity tests that were conducted during installation of the surface, intermediate, and production casing strings pursuant to Rule .1605 and .1607 of this Section;
- (16) a statement of whether methane or other hydrocarbons were encountered in other than a target formation and the depths of the intervals, and how the casing and cementing program was modified in response to the information;
- (17) a summary of events reported to the Department in accordance with Rule .1607 and .1616 of this Section;
- (18) a wellbore inclination and directional survey;
- (19) the engines used on-site during exploration and development, including:
 - (a) the number of engines with capacities (maximum site-rated horsepower) less than 750 horsepower by engine type, such as compression ignition, two stroke lean burn ignition, four stroke lean burn ignition, rich burn spark ignition;
 - (b) the number of engines with capacities (maximum site-rated horsepower) greater than or equal to 750 horsepower by engine type, such as compression ignition, two stroke lean burn ignition, four stroke lean burn ignition, rich burn spark ignition; and
 - (c) the average number of hours of operation for engines in each of the categories above.
- (20) any other information as specified as part of the conditions of the permit, such as drill stem test charts, formation water analysis, porosity, permeability or fluid saturation measurements, core analysis, and lithologic log or sample description, or other similar data as compiled. No interpretation of the data is required to be filed unless specifically required elsewhere in this Subchapter; and

- (21) the signature of the permittee verifying that the oil or gas well has been constructed in accordance with this Subchapter and any permit conditions imposed by the Department.

History Note: Authority G.S. 113-379; 113-391(a)(5)c; 113-391(a)(5)k; 113-391(a)(7); 113-391(a)(10); 113-391(a)(11); 113-391(b); 113-391(b1);
Eff. March 17, 2015.