

WATER OBSTRUCTIONS AND ENCROACHMENTS

Northcentral Region: Oil and Gas Management Program Manager, 208 West Third Street, Suite 101, Williamsport, PA 17701

E4129226-014: Pennsylvania General Energy Company, LLC., 120 Market Street, Warren, PA 16365. Saluda Access Road and Staging Area in Gamble & Cascade Township, **Lycoming County**, ACOE Baltimore District.

Individual – Joint Permit to construct, operate and maintain eighteen (18) permanent stream crossings, thirty-two (32) temporary stream crossings, six (6) permanent wetland crossings and eleven (11) temporary wetland crossings in Gamble & Cascade Township, Lycoming County. The work involves the construction of a permanent access road and staging area.

The proposed project includes the construction of a 3.9-mile-long permanent access road and staging area. The proposed road will provide access to an existing well pad and future well pads proposed on the state forest tract. The proposed staging area will be used to store equipment and materials for the construction of future well pads and will later be used as a well pad.

The project will result in a total of 422 LF (2985 SF) of permanent stream impacts, 890 LF (7521 SF) of temporary stream impacts, 86020 SF (1.9747 acres) of permanent floodway impacts, 135685 SF (3.1149 acres) of temporary floodway impacts, 2101 SF (0.0482 acres) of permanent wetland impacts and 3566 SF (0.0819 acres) of temporary wetland impacts all for the purpose of Marcellus Shale well development. All stream and wetland crossings will be open cut.

STREAM IMPACT TABLE:

Resource Name	Municipality Quadrangle	Activity	Chap. 93	Listed Trout	Impact Length Temp. (LF)	Impact Area Temp. (SF)	Impact Length Perm. (LF)	Impact Area Perm. (SF)	Lat. Long.
Wallis Run S-20230821-1148-JT	Cascade Bodines	Permanent Access Road	EV	Wild	36	481	36	494	41.414301° 76.868102°
UNT to Wallis Run S-20230821-1402-JT	Gamble Bodines	Permanent Access Road	EV	Wild	10	40			41.411253° 76.869014°
UNT to Wallis Run S-20230821-1402-JT	Gamble Bodines	Permanent Access Road	EV	Wild	24	236	19	182	41.411236° 76.868866°
UNT to Wallis Run S-20230822-1015-JT	Gamble Bodines	Permanent Access Road	EV	Wild	27	214	23	130	41.407576° 76.868770°
UNT to Wallis Run S-20230822-1301-JT	Gamble Bodines	Permanent Access Road	EV	Wild	27	489	38	612	41.407273° 76.868962°
UNT to Wallis Run S-20230822-1412-JT	Gamble Bodines	Permanent Access Road	EV	Wild					41.406855° 76.869182°
UNT to Wallis Run S-20230822-1218-JT	Gamble Bodines	Permanent Access Road	EV	Wild	49	345	38	122	41.406169° 76.869373°
UNT to Wallis Run S-20230822-1243-JT	Gamble Bodines	Permanent Access Road	EV	Wild	8	31	17	133	41.405820° 76.869232°
UNT to Wallis Run S-20230823+1150-JT	Gamble Bodines	Permanent Access Road	EV	Wild	7	44			41.405409° 76.869456°
UNT to Wallis Run S-20230823+1130-JT	Gamble Bodines	Permanent Access Road	EV	Wild	56	395	18	124	41.405201° 76.868974°
UNT to Wallis Run S-20230823-1225-JT	Gamble Bodines	Permanent Access Road	EV	Wild	19	104	27	183	41.404767° 76.868817°
UNT to Wallis Run S-20230823-1240-JT	Gamble Bodines	Permanent Access Road	EV	Wild	37	649	23	224	41.403873° 76.868515°
UNT to Wallis Run S-20230823-1338-JT	Gamble Bodines	Permanent Access Road	EV	Wild	37	173	23	111	41.402756° 76.868335°
UNT to Wallis Run S-20230823-1433-JT	Gamble Bodines	Permanent Access Road	EV	Wild	33	153	21	104	41.401320° 76.868293°

UNT to Wallis Run S-20230824-1351-JT	Gamble Bodines	Permanent Access Road	EV	Wild	6	17			41.400782° 76.868955°
UNT to Wallis Run S-20230824-1355-DJ	Gamble Bodines	Permanent Access Road	EV	Wild	47	164	23	78	41.400225° 76.869063°
UNT to Bottom Bar Hollow S-20230824-1304-JT	Gamble Bodines	Permanent Access Road	EV	Wild	50	199	22	79	41.399807° 76.869382°
UNT to Bottom Bar Hollow S-20230824-1305-DJ	Gamble Bodines	Permanent Access Road	EV	Wild	5	253	25	118	41.399630° 76.869446°
UNT to Jacoby Hollow S-20230823-1117-DJ	Gamble Bodines	Permanent Access Road	EV	Wild	55	548	17	134	41.391460° 76.888282°
UNT to Jacoby Hollow S-20231017-1725-JR	Gamble Bodines	Permanent Access Road	EV	Wild	45	59	17	21	41.390655° 76.889243°
UNT to Jacoby Hollow S-20230822-0014-DJ	Gamble Bodines	Permanent Access Road	EV	Wild	45	178	18	69	41.390630° 76.889325°
UNT to Jacoby Hollow S-20230821-0005-DJ	Gamble Bodines	Permanent Access Road	EV	Wild	41	163	17	67	41.385904° 76.897534°
UNT to Wallis Run S-2023822-1243-JT	Gamble Bodines	Culvert Reclamation	EV	Wild	20	372			41.405784° 76.869316°
UNT to Wallis Run S-20230823-1130-JT	Gamble Bodines	Culvert Reclamation	EV	Wild	20	224			41.405130° 76.869106°
UNT to Wallis Run S-20230823-1225-JT	Gamble Bodines	Culvert Reclamation	EV	Wild	21	551			41.404652° 76.868980°
UNT to Wallis Run S-20230823-1240-JT	Gamble Bodines	Culvert Reclamation	EV	Wild	18	223			41.403755° 76.868624°
UNT to Bar Bottom Hollow S-20230823-1456-DJ	Gamble Bodines	Culvert Reclamation	EV	Wild	28	333			41.396253° 76.876656°
UNT to Jacoby Hollow S-20230823-1300-DJ	Gamble Bodines	Culvert Reclamation	EV	Wild	20	59			41.394007° 76.886027°
UNT to Jacoby Hollow S-20230823-1308-DJ	Gamble Bodines	Culvert Reclamation	EV	Wild	20	210			41.393702° 76.886504°
UNT to Jacoby Hollow S-20230823-1117-DJ	Gamble Bodines	Culvert Reclamation	EV	Wild	20	390			41.391764° 76.889168°
UNT to Jacoby Hollow S-20230822-1503-DJ	Gamble Bodines	Culvert Reclamation	EV	Wild	30	76			41.391098° 76.889371°
UNT to Jacoby Hollow S-20230823-1108-DJ	Gamble Bodines	Culvert Reclamation	EV	Wild	10	20			41.391485° 76.889215°
UNT to Jacoby Hollow S-20230822-0014-DJ	Gamble Bodines	Culvert Reclamation	EV	Wild	19	128			41.390955° 76.889481°
TOTAL IMPACTS					890	7521	422	2985	

WETLAND IMPACT TABLE:

Resource Name	Municipality Quadrangle	Activity	Cow. Class	Listed Trout	Impact Length Temp. (LF)	Impact Area Temp. (SF)	Impact Length Perm. (LF)	Impact Area Perm. (SF)	Lat. Long.
W-20230821- 1157-JT	Cascade Bodines	Permanent Access Road	PEM	Wild	84	428	84	668	41.413999° 76.868121°
W-20230821- 1334-JT	Cascade Bodines	Permanent Access Road	PFO	Wild	94	1482	45	134	41.411644° 76.868854°
W-20230821- 1334-JT	Gamble Bodines	Permanent Access Road	PEM	Wild	49	635	166	630	41.411463° 76.868903°
W-20230821- 1351-JT	Gamble Bodines	Permanent Access Road	PEM	Wild	28	85			41.411482° 76.869004°
W-20230821- 1417-JT	Gamble Bodines	Permanent Access Road	PEM	Wild	49	147	76	318	41.411120° 76.868857°
W-20230821-	Gamble	Permanent	PSS	Wild	6	11			41.411200°

1425-JT	Bodines	Access Road							76.868810°
W-20230821-1425-JT	Gamble Bodines	Permanent Access Road	PEM	Wild	27	89			41.411104° 76.868696°
W-20230822-1025-JT	Gamble Bodines	Permanent Access Road	PEM	Wild	55	265	14	69	41.407430° 76.868826°
W-20230822-1345-JT	Gamble Bodines	Permanent Access Road	PEM	Wild	35	81	24	282	41.407385° 76.868936°
W-20230822-1600-JT	Gamble Bodines	Permanent Access Road	PEM	Wild	65	324			41.407128° 76.868967°
W-20231017-1503-JR	Gamble Bodines	Permanent Access Road	PEM	Wild	5	19			41.391374° 76.888272°
TOTAL IMPACTS					497	3566	409	2101	

FLOODWAY IMPACT TABLE:

Resource Name	Municipality Quadrangle	Activity	Impact Length Temp. (LF)	Impact Area Temp. (SF)	Impact Length Perm. (LF)	Impact Area Perm. (SF)	Lat. Long.
Wallis Run S-20230821-1148-JT	Cascade Bodines	Permanent Access Road	146	2922	146	2953	41.414301° 76.868102°
UNT to Wallis Run S-20230821-1402-JT	Gamble Bodines	Permanent Access Road	20	330			41.411253° 76.869014°
UNT to Wallis Run S-20230821-1402-JT	Gamble Bodines	Permanent Access Road	144	2915	178	3699	41.411236° 76.868866°
UNT to Wallis Run S-20250606-1045-PMS	Gamble Bodines	Permanent Access Road	28	696	55	1202	41.408125° 76.869093°
UNT to Wallis Run S-20230822-1015-JT	Gamble Bodines	Permanent Access Road	108	2595	108	2662	41.407576° 76.868770°
UNT to Wallis Run S-20230822-1301-JT	Gamble Bodines	Permanent Access Road	614	7666	354	9434	41.407273° 76.868962°
UNT to Wallis Run S-20230822-1412-JT	Gamble Bodines	Permanent Access Road	167	2729	161	4014	41.406855° 76.869182°
UNT to Wallis Run S-20230822-1218-JT	Gamble Bodines	Permanent Access Road	107	5379	107	2515	41.406169° 76.869373°
UNT to Wallis Run S-20230822-1243-JT	Gamble Bodines	Permanent Access Road	222	4533	85	2540	41.405820° 76.869232°
UNT to Wallis Run S-20230823+1150-JT	Gamble Bodines	Permanent Access Road	125	1164	125	746	41.405409° 76.869456°
UNT to Wallis Run S-20230823+1211-JT	Gamble Bodines	Permanent Access Road	51	1983	55	1257	41.405283° 76.869432°
UNT to Wallis Run S-20230823+1130-JT	Gamble Bodines	Permanent Access Road	11	95	87	2432	41.405201° 76.868974°
UNT to Wallis Run S-20230823-1225-JT	Gamble Bodines	Permanent Access Road	166	4213	203	6484	41.404767° 76.868817°
UNT to Wallis Run S-20230823-1258-JT	Gamble Bodines	Permanent Access Road	60	1931	47	698	41.404552° 76.868962°
UNT to Wallis Run S-20230823-1240-JT	Gamble Bodines	Permanent Access Road	19	3047	21	6041	41.403873° 76.868515°
UNT to Wallis Run S-20230823-1338-JT	Gamble Bodines	Permanent Access Road	365	6564	349	7339	41.402756° 76.868335°
UNT to Wallis Run S-20230823-1500-JT	Gamble Bodines	Permanent Access Road	323	4798	303	5554	41.402087° 76.868170°
UNT to Wallis Run S-20230823-1433-JT	Gamble Bodines	Permanent Access Road	144	3484	144	2985	41.401320° 76.868293°
UNT to Wallis Run S-20230824-1351-DJ	Gamble Bodines	Permanent Access Road	96	1314	96	1512	41.400782° 76.868955°
UNT to Wallis Run S-20230823-1423-JT	Gamble Bodines	Permanent Access Road	109	2388			41.400791° 76.868148°
UNT to Wallis Run S-20230824-1355-DJ	Gamble Bodines	Permanent Access Road	104	3685	104	3017	41.400225° 76.869063°

UNT to Wallis Run S-20230824-1304-DJ	Gamble Bodines	Permanent Access Road	98	472	98	1198	41.400034° 76.869223°
UNT to Bottom Bar Hollow S-20230824-1304-JT	Gamble Bodines	Permanent Access Road	104	1889	104	1655	41.399807° 76.869382°
UNT to Bottom Bar Hollow S-20230824-1305-DJ	Gamble Bodines	Permanent Access Road	105	4016	105	2419	41.399630° 76.869446°
UNT to Bottom Bar Hollow S-2023084-1303-DJ	Gamble Bodines	Permanent Access Road	25	54	49	345	41.399572° 76.869670°
UNT to Bottom Bar Hollow S-20230824-1215-DJ	Gamble Bodines	Permanent Access Road	50	2013	50	1984	41.396588° 76.871855°
UNT to Bottom Bar Hollow S-20230824-1140-DJ	Gamble Bodines	Permanent Access Road	49	490			41.396780° 76.875664°
UNT to Bottom Bar Hollow S-20231018-1612-AC	Gamble Bodines	Permanent Access Road	50	576	50	1762	41.397486° 76.876383°
UNT to Bottom Bar Hollow S-20230823-1415-DJ	Gamble Bodines	Permanent Access Road	218	4947	50	288	41.396340° 76.876544°
UNT to Jacoby Hollow S-20230823-1233-DJ	Gamble Bodines	Permanent Access Road	89	1957	15	142	41.397122° 76.884999°
UNT to Jacoby Hollow S-20230823-1117-DJ	Gamble Bodines	Permanent Access Road	108	3753	108	2847	41.391460° 76.888282°
UNT to Jacoby Hollow S-20230822-1512-DJ	Gamble Bodines	Permanent Access Road	16	87			41.391304° 76.888150°
UNT to Jacoby Hollow S-20231017-1725-JR	Gamble Bodines	Permanent Access Road	102	352	102	637	41.390655° 76.889243°
UNT to Jacoby Hollow S-20230822-0014-DJ	Gamble Bodines	Permanent Access Road	104	4362	104	2748	41.390630° 76.889325°
UNT to Jacoby Hollow S-20230821-0005-DJ	Gamble Bodines	Permanent Access Road	104	4336	104	2911	41.385904° 76.897534°
UNT to Wallis Run S-2023822-1243-JT	Gamble Bodines	Culvert Reclamation	108	1666			41.405784° 76.869316°
UNT to Wallis Run S-20230823-1130-JT	Gamble Bodines	Culvert Reclamation	107	8704			41.405130° 76.869106°
UNT to Wallis Run S-20230823-1225-JT	Gamble Bodines	Culvert Reclamation	107	2756			41.404652° 76.868980°
UNT to Wallis Run S-20230823-1240-JT	Gamble Bodines	Culvert Reclamation	110	1834			41.403755° 76.868624°
UNT to Bar Bottom Hollow S-20230823-1456-DJ	Gamble Bodines	Culvert Reclamation	105	1736			41.396253° 76.876656°
UNT to Jacoby Hollow S-20230823-1300-DJ	Gamble Bodines	Culvert Reclamation	103	4871			41.394007° 76.886027°
UNT to Jacoby Hollow S-20230823-1308-DJ	Gamble Bodines	Culvert Reclamation	224	8973			41.393702° 76.886504°
UNT to Jacoby Hollow S-20230823-1117-DJ	Gamble Bodines	Culvert Reclamation	108	4710			41.391764° 76.889168°
UNT to Jacoby Hollow S-20230822-1503-DJ	Gamble Bodines	Culvert Reclamation	53	411			41.391098° 76.889371°
UNT to Jacoby Hollow S-20230823-1108-DJ	Gamble Bodines	Culvert Reclamation	102	2855			41.391485° 76.889215°
UNT to Jacoby Hollow S-20230822-0014-DJ	Gamble Bodines	Culvert Reclamation	104	3434			41.390955° 76.889481°
TOTAL IMPACTS			5582	135685	3667	86020	