



**west virginia** department of environmental protection

Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

May 13, 2016

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-9700086, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: 7766  
Farm Name: MUNSON, C. D., ETUX  
**API Well Number: 47-9700086**  
**Permit Type: Plugging**  
Date Issued: 05/13/2016

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

---

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

*CK#*  
*204485*  
*\$100.*

Date: April 12, 2016  
Operator's Well \_\_\_\_\_  
Well No. 607766 (C. D. Munson #7766)  
API Well No.: 47 097 - 00086

**STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS**

**APPLICATION FOR A PERMIT TO PLUG AND ABANDON**

4) Well Type: Oil \_\_\_\_\_ Gas X Liquid Injection \_\_\_\_\_ Waste Disposal: \_\_\_\_\_  
If Gas, Production \_\_\_\_\_ X Or Underground storage \_\_\_\_\_ Deep \_\_\_\_\_ Shallow X

5) Elevation: 1471 ft. Watershed: Bridge Run  
Location: Buckhannon 2 County: Upshur Quadrangle: Berlin 7.5' 245  
District: \_\_\_\_\_

6) Well Operator EQT Production Company  
120 Professional Place  
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray  
Address: 120 Professional Place  
Bridgeport, WV 26330

8) Oil & Gas Bryan Harris  
Name: P. O. Box 157  
Address: Volga, WV 26238

9) Plugging Contractor:  
Name: HydroCarbon Well Service  
Address: PO BOX 995  
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See Attachment for details and procedures.**

*OK gwm*

Received  
Office of Oil & Gas  
APR 18 2016

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_

05/13/2016

**PLUGGING PROGNOSIS**

Munson, C.D. Jr. #7766 (607766)  
 Upshur Co, WV  
 District, Buckhannon  
 API # 47-097-00086

BY: Craig Duckworth  
 DATE: 12/1/15

**CURRENT STATUS:**

10" csg @ 284'  
 8 1/4" csg @ 1006'  
 6 5/8" csg @ 2474'  
 Elevation @ 1469'

**TD: 4683'**

Fresh Water @ 65', 878' Coal @ none reported  
 Saltwater @ none reported  
 Gas shows @ 1981', 2467', 2604', 4650'

1. Notify State Inspector, **Brian Harris @ 304-553-6087**, 48 hrs.prior to commencing operations.
2. Check TD w/wireline **SPOT 6% GEL.**
3. TIH w/tbg to 4683', set 200' C1A cement plug from 4683' to 4483'. (Gas show @ 4650') **WAIT 4 HOURS & TAG PLUG.**
4. TOOH w/tbg to 4483', gel hole 4483' to 3700'
5. TOOH w/tbg to 3700' set 200' C1A cement plug from 3700' to 3500', (safety plug).
6. TOOH w/tbg to 3500' gel hole 3500' to 2650'.
7. TOOH w/tbg to 2650' set 250' C1A cement plug from 2650' to 2400', (gas show @ 2604' & 6 5/8" @ 2474').
8. TOOH w/tbg, Free point 6 5/8" csg, cut csg @ free point, TOOH w/csg.
9. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
10. TIH w/tbg to 2400' gel hole from 2400' to 2000'.
11. TOOH w/tbg to 2000', set 100' C1A cement plug 2000' to 1900'. (gas show @ 1981')
12. TOOH w/tbg to 1900', gel hole 1900' to 1500'.
13. TOOH w/tbg to 1500', set 100' C1A cement plug 1500' to 1400'. (elevation @ 1469').
14. TOOH w/tbg to 1400', gel hole 1400' to 1056'.
15. TOOH w/tbg, Free point 8 1/4" csg, cut csg at free point, TOOH w/csg

Received  
 Office of Oil & Gas

APR 18 2016

- 16. TIH w/tbg to 1056', set 256' C1A cement plug 1056' to 800'. (8 1/4" csg seat @ 1006' & FW @ 878').
- 17. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
- 18. TIH w/tbg to 800' gel hole from 800' to 335'.
- 20. TOOH w/tbg to 335', set 350' C1A cement plug, 335' to 0. (10" csg @ 284' & FW @ 65')
- 19. Free point 10" casing, cut casing @ free point, TOOH w/csg.
- 21. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs & CEMENT TO SURFACE.
- 22. Erect monument with API#
- 23. Reclaim location and road to WV-DEP specifications.



IF 10" CASING BE PULLED GO TO STEP 20, IF NOT PROCEED TO STEP 21.

gwm

Received  
Office of Oil & Gas  
APR 18 2016

9700086P

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. UP-86

Oil or Gas Well GAS  
(XTRAP)

Company Pittsburgh & West Va Gas Company.  
 Address Clarksburg, West Va.,  
 Farm C. D. Munson, Jr. et ux. Acres 75  
 Location (waters) Weston S/E. 4-3  
 Well No. 7766 Elev. 1469  
 District Buckhannon County Upshur  
 The surface of tract is owned in fee by C. D. Munson, Jr. et ux  
 Address Raleigh, West Va.,  
 Mineral rights are owned by Same  
 Address Same  
 Drilling commenced August 29, 1940  
 Drilling completed November 16, 1940  
 Date shot 11-19-1940 Depth of shot 4647-4663'  
 Open Flow 9 /10ths Water in 1-1/2" F.W. (30 QTS) Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume 62,000 Cu. Ft.  
 Rock Pressure 1300 lbs. 6 Days hrs.  
 Oil \_\_\_\_\_ bbls, 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.			Kind of Packer
13.			
10.	284'	284'	Size of
8 1/2.	1006'	1006'	
6 1/2.	2474'	2474'	Depth set
5 3/16.			
3.			Perf. top
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Dat \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay		Soft	0	10			
Lime	White	Hard	10	91	Water	65'	Hole full.
Slate	"	Soft	91	97			
Lime	"	Hard	97	130			
Slate	"	Soft	130	230			
Red Rock	Red	"	230	248			
Lime	White	Hard	248	262			
Slate	"	Soft	262	269			
Red Rock	Red	"	269	275			
Slate	White	"	275	307			
Lime	"	Hard	307	313			
Red Rock	Red	Soft	313	398			
Lime	White	Hard	398	480			
Slate	Black	Soft	480	483			
Lime	White	Hard	483	576			
Red Rock	Red	Soft	576	587			
Slate	White	"	587	603			
Sand	"	Hard	603	640			
Slate	"	Soft	640	668			
Red Rock	Red	"	668	674			
Lime	Dark	Hard	674	700			
Slate	White	Soft	700	720			
Sand	"	Hard	720	741			
Slate	"	Soft	741	745			
Lime	"	Hard	745	785			
Sand	"	"	785	812			
Slate	"	Soft	812	820			
L. Dunkard	"	Hard	820	855			
Slate	"	Soft	855	867			
Big Dunkard	"	Hard	867	937	Water	878'	7 Bailers Hr.
Slate	Black	Soft	937	948			
Sand	White	Hard	948	970			
Slate	"	Soft	970	988			
Lime	Dark	Hard	988	1029			
Slate	Black	Soft	1029	1033			
Lime	Dark	Hard	1033	1073			
Slate	"	Soft	1073	1103			
Slate	Black	"	1103	1110			
Slate	Dark	"	1110	1148			
Lime	Black	Hard	1148	1165			

05/13/2016

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
late Sand	White	Hard	1165	1303			
late	Black	Soft	1303	1310			
nd	White	Hard	1310	1429			
ate	Black	Soft	1429	1449			
ne	Dark	Hard	1449	1464			
nd	Gray	Hard	1464	1501			
ma	"	"	1501	1512			
d Rock	Red	Soft	1512	1598			
ma	White	Hard	1598	1625			
xon Sand	Gray	"	1625	1672			
d Rock	Red	Soft	1672	1760			
ms	White	Hard	1760	1826			
ate	Dark	Soft	1826	1832			
g Lime	White	Hard	1832	1928			
g Injun	"	"	1928	2042	Gas	1981-1982'	
ate	White	Soft	2042	2050			
quaw Sand	"	Hard	2050	2137			
" "	Red	"	2137	2147			
late	White	Soft	2147	2152			
area Sand	Light	Hard	2152	2270			
ima	Dark	"	2270	2276			
00' Sand	White	"	2276	2289			
late	Dark	Soft	2289	2295			
00' Sand	Light	Hard	2295	2319			
late	White	Soft	2319	2325			
ima	Gray	Open	2325	2375			
late	White	Soft	2375	2387			
ima	Dark	Hard	2387	2429			
ima	White	"	2429	2433			
late	"	Soft	2433	2448			
lime	Dark	Hard	2448	2465			
rdon Stray	Gray	"	2465	2478	Gas	2467-68'	
ed Rock	"	Soft	2478	2482			
rdon Stray	Gray	Hard	2482	2507			
ed Rock	"	Soft	2507	2512			
rdon Sand	Dark	"	2512	2583			
Slate	Gray	Soft	2583	2590			
Sand	Dark	Hard	2590	2597			
Slate	White	Soft	2597	2610	Gas	2604'	
4th. Sand	Light	Hard	2610	2615			
4th. Sand	White	"	2615	2633			
Sand	"	Soft	2633	2640			
5th. Sand	"	Hard	2640	2663			
5th. Sand	"	Soft	2663	2665			
Slate	Black	"	2665	2689			
Sand	"	Gray	2689	2710			
Slate	White	"	2710	2730			
Slate	"	"	2730	3015			
Lime	Gritty	Dark	3015	3030			
Slate	Grey	Open	3030	3050			
Lime	"	Hard	3050	3070			
Slate&Shells	"	Open	3070	3090			
Lime	Dark	Hard	3090	3136			
Slate	Gray	Open	3136	3142			
Lime	Dark	Hard	3142	3237			
Slate	Gray	Soft	3237	3265			
Lime	"	Hard	3265	3314			
Slate	"	Soft	3314	3340			
Lime	Dark	Hard	3340	3360			
Slate&Shells	"	Open	3360	3456			
Lime	Grey	Hard	3456	3510			
Slate	Dark	Open	3510	3550			
Lime	"	Hard	3550	3680			
Slate&Shells	Grey	Soft	3680	3705			
Lime Gritty	Blue	Open	3705	3950			
Slate&Shells	Gray	"	3950	4017			
Shale	Brown	Soft	4017	4042			

Date December 9th, 1940, 194

APPROVED PITTSBURGH & WEST VA GAS CO. 05/13/2016

By *[Signature]*  
P. E. ...

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. UP-86

Oil or Gas Well GAS  
(X or O)

Company Pittsburgh & West Va Gas Company.  
Address Clarksburg, West Va.  
Farm C. D. Munson, Jr. et ux. Acres 75  
Location (waters) Weston S/E. 4-3  
Well No. 7766 Elev. 1469  
District Buckhannon County Upshur  
The surface of tract is owned in fee by C. D. Munson Jr. et ux  
Address Raleigh, West Va.,  
Mineral rights are owned by Same  
Address Same  
Drilling commenced  
Drilling completed  
Date shot Depth of shot  
Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume Cu. Ft.  
Rock Pressure lbs hrs.  
Oil bbls., 1st 24 hrs.  
Fresh water feet feet  
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			Size of
20			Depth set
8 1/4			Perf. top
6 1/4			Perf. bottom
5 3/16			Perf. top
8			Perf. bottom
2			
Liners Used			

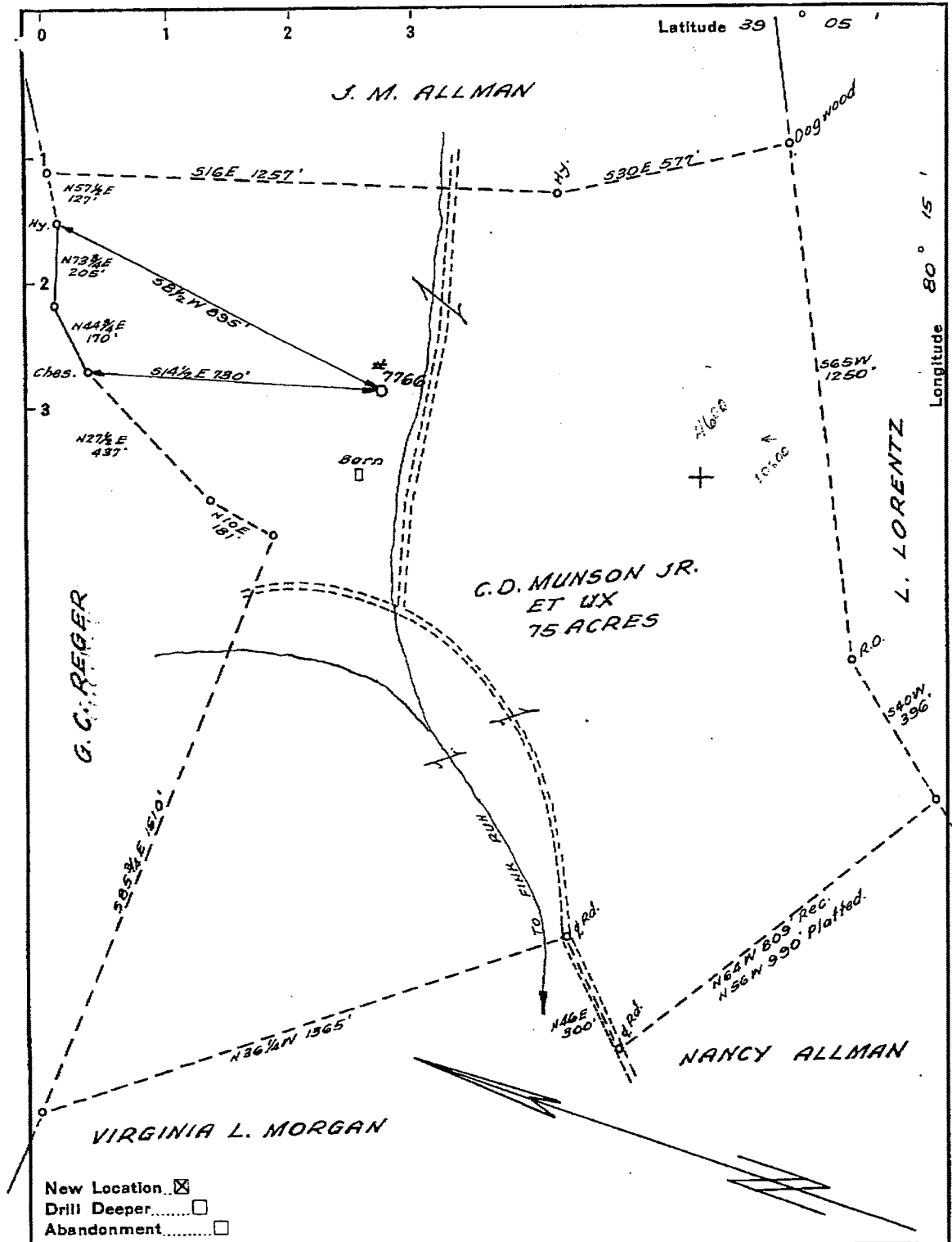
CASING CEMENTED SIZE No. Ft. Date  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime	Grey	Open	4042	4075			
Slate	Brown	Soft	4075	4110			
Shale	"	Soft	4110	4181			
Lime	Gray	Hard	4181	4191			S.L. 4186'
Slate	"	Soft	4191	4432			
Shale	Brown	"	4432	4480			
Slate	Gray	"	4480	4505			
Shale	Brown	"	4505	4570			
Slate	White	"	4570	4600			
Shale	Brown	"	4600	4630			
Slate	Gray	"	4630	4647			
Benon Sand	Dark	Hard	4647	4663	Gas	4650-53'	13/10 W 3/4" Opng.
Slate	Gray	Soft	4663	4683			
Total Depth				4683			

05/13/2016



9700086 P



New Location   
 Drill Deeper   
 Abandonment

Company PITTSBURGHE, W.V.A. GAS  
 Address CLARKSBURG, W.V.A.  
 Farm C.D. MUNSON JR. ET UX  
 Tract \_\_\_\_\_ Acres 75 Lease No. 22792  
 Well (Farm) No. ONE Serial No. 7766  
 Elevation (Spirit Level) 1469 V.A.  
 Quadrangle WESTON S.E. 4-3.  
 County UPSHUR District BUCKHANNON  
 Engineer Paul W. Cunningham  
 Engineer's Registration No. \_\_\_\_\_  
 File No. 77-85 Drawing No. \_\_\_\_\_  
 Date Aug. 9, 1940 Scale 1" = 300'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. UP-86

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing. -9/ 05/13/2016

1) Date: April 12, 2016  
2) Operator's Well Number  
607766 (C. D. Munson #7766)  
3) API Well No.: 47 097 - 00086  
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT**  
**DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS**  
**NOTICE AND APPLICATION TO PLUG AND ABANDON WELL**

4) Surface Owner(s) to be served:  
(a) Name Amanda Sprouse and Clinton Wyatt ✓  
Address Rt. 10 Box 394 A  
Buckhannon, WV 26229  
  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
6) Inspector Bryan Harris  
Address P. O. Box 157  
Volga, WV 26238  
Telephone (304) 553-6087

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
  
(b) Coal Owner(s) with Declaration  
Name None  
Address \_\_\_\_\_  
  
(c) Coal Lessee with Declaration  
Name None  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

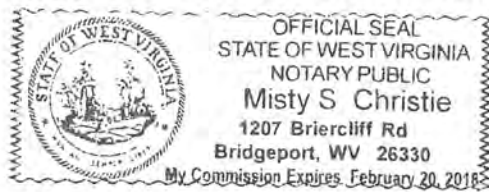
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
  - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator: EQT Production Company  
By: Victoria J. Roark *[Signature]*  
Its: Permitting Supervisor  
Address: PO Box 280  
Bridgeport, WV 26330  
Telephone: (304) 848-0076

Subscribed and sworn before me this 14th day of April, 2017  
Misty S. Christie Notary Public  
My Commission Expires: 2/20/18

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



Office of Oil & Gas  
APR 18 2016  
05/13/2016

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS**  
**CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM**  
**GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE**

Operator Name: EQT PRODUCTION COMPANY OP ID: \_\_\_\_\_

Watershed: Bridge Run Quadrangle: Berlin 7.5'

Elevation: 1471 ft. County: Upshur District: Buckhannon

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_ No X

Will synthetic liner be used in the pit? Yes Is so, what ml.? 20 10-ml

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- Underground Injection - UIC Permit Number \_\_\_\_\_
- Reuse (at API Number) - Various \_\_\_\_\_
- Offsite Disposal Permit #. See attached. \_\_\_\_\_
- Other: Explain \_\_\_\_\_

Drilling medium anticipated for this well? Air, freshwater, oil based, etc.

If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used? \_\_\_\_\_

Will closed loop system be used? \_\_\_\_\_

Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. \_\_\_\_\_

If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust \_\_\_\_\_

Landfill or offsite name/permit number? \_\_\_\_\_

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

RECEIVED  
Office of Oil and Gas

MAY 05 2016

Company Official Signature *Victoria Roark*

Company Official (Typed or Printed) Victoria Roark

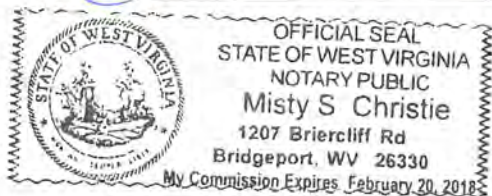
Company Official Title Permitting Supervisor-WV WV Department of

Subscribed and sworn before me this 2nd day of May Environmental Protection 2016

*Misty S. Christie*

Notary Public

My Commission Expires 2/20/18



05/13/2016



9700086P

**EQT Production Water plan  
Offsite disposals**

**Waste Management - Meadowfill Landfill**

Rt. 2, Box 68 Dawson Drive  
Bridgeport, WV 26330  
304-326-6027  
Permit #SWF-1032-98  
Approval #100785WV

**Waste Management - Northwestern Landfill**

512 E. Dry Road  
Parkersburg, WV 26104  
304-428-0602  
Permit #SWF-1025 WV-0109400  
Approval #100833WV

RECEIVED  
Office of Oil and Gas  
MAY 05 2016  
WV Department of  
Environmental Protection

05/13/2016

Topo Quad: Berlin 7.5'

Scale: 1" = 2000'

County: Upshur

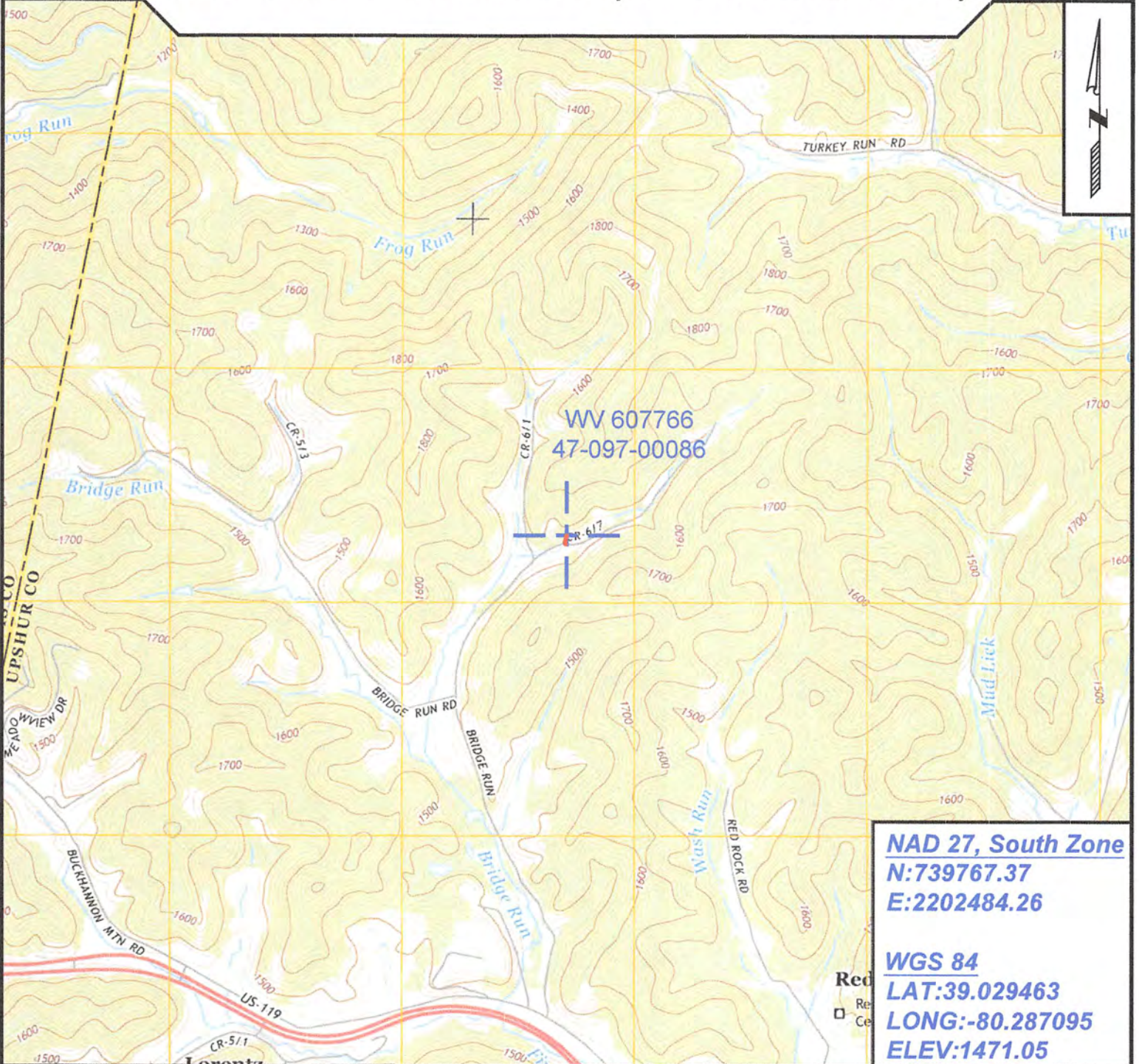
Date: February 3, 2016

District: Buckhannon

Project No: 39-09-00-09

# 47-097-00086 WV 607766 (C. D. Munson #7766)

Topo



**NAD 27, South Zone**  
**N:739767.37**  
**E:2202484.26**

**WGS 84**  
**LAT:39.029463**  
**LONG:-80.287095**  
**ELEV:1471.05**

Red  
 Re  
 Ce



**SURVEYING AND MAPPING SERVICES PERFORMED BY:**  
**ALLEGHENY SURVEYS, INC.**  
 1-800-482-8606  
 237 Birch River Road  
 Birch River, WV 26610  
 PH: (304) 649-8606  
 FAX: (304) 649-8608

**PREPARED FOR:**  
**EQT Production Company**  
 P.O. Box 280  
 Bridgeport, WV 26330  
**05/13/2016**

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-097-00086 WELL NO.: WV 607766 (C. D. Munson #7766)

FARM NAME: C. D. Munson, et ux.

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Upshur DISTRICT: Buckhannon

QUADRANGLE: Berlin 7.5'

SURFACE OWNER: Amanda Sprouse and Clinton Wyatt

ROYALTY OWNER: Jean R. Barnes, et al.

UTM GPS NORTHING: 4320288

UTM GPS EASTING: 561706 GPS ELEVATION: 448 m (1471 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:  
Survey grade GPS     : Post Processed Differential       
Real-Time Differential       
Mapping Grade GPS X: Post Processed Differential X  
Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature

PS# 2100  
Title

2/4/16  
Date



## POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
 LEASE NAME AND WELL No. C. D. Munson #7766 - WV 607766 - API No. 47-097-00086

### POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 618 +/- Owner: Lori & Chris Woods  
 Address: 211 Drummond Lane, Buckhannon, WV 26201 Phone No. (304) 472-3444  
 Comments: Public Water

Site: 2 Spacing: 408 +/- Owner: Mandy & Shane Sprouse  
 Address: 173 Drummond Lane, Buckhannon, WV 26201 Phone No. (304) 472-4726  
 Comments: Public Water

Site: 3 Spacing: 366 +/- Owner: Max Lee  
 Address: 132 Drummond Lane, Buckhannon, WV 26201 Phone No. (304) 472-9341  
 Comments: Water Well beside garage

Site: 4 Spacing: 317 +/- Owner: Paul J. Coleman  
 Address: 116 Drummond Lane, Buckhannon, WV 26201 Phone No. (304) 472-0356  
 Comments: Water well by driveway

Site: 5 Spacing: 356 +/- Owner: Diana Estes  
 Address: 114 Drummond Lane, Buckhannon, WV 26201 Phone No. (304) 472-3413  
 Comments: Public Water

Site: 6 Spacing: 401 +/- Owner: Brad Seelback  
 Address: 24 Drummond Lane, Buckhannon, WV 26201 Phone No. (304) 472-4667  
 Comments: Public Water

#### BIRCH RIVER OFFICE

237 Birch River Road  
 Birch River, WV 26610  
 phone: 304-649-8606  
 fax: 304-649-8608

#### BRIDGEPORT OFFICE

172 Thompson Drive  
 Bridgeport, WV 26330  
 phone: 304-848-5035  
 fax: 304-848-5037

#### ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Rd  
 Alum Creek, WV 25003  
 phone: 304-756-2949  
 fax: 304-756-2948

#### MARTINSBURG OFFICE

25 Lights Addition Drive  
 Martinsburg, WV 25404  
 phone: 304-901-2162  
 fax: 304-901-2182



Site: 7 Spacing: 681 +/- Owner: Brandon Williams  
Address: 440 Mick Hill Rd., Buckhannon, WV 26201 Phone No. \_\_\_\_\_  
Comments: Neighbor states owner only keeps dogs there. checks on them a couple times a week

Site: 8 Spacing: 832 +/- Owner: Wendy Terry  
Address: 374 Mick Hill Rd., Buckhannon, WV 26201 Phone No. (205) 861-5144  
Comments: Public water

Site: 9 Spacing: 998 +/- Owner: Marlene Betz  
Address: 354 Mick Hill Rd., Buckhannon, WV 26201 Phone No. \_\_\_\_\_  
Comments: \_\_\_\_\_

Site: 10 Spacing: 290 +/- Owner: Shane & Mandy Sprouse  
Address: 173 Drummond Lane, Buckhannon, WV 26201 Phone No. (304) 472-4726  
Comments: Pond – Same land owner as site 2 based on tax maps. Neighbor states pond is not used

Site: 11 Spacing: 483 +/- Owner: Robert Conner  
Address: 456 Mick Hill Rd., Buckhannon, WV 26201 Phone No. (304) 472-1811  
Comments: Water well on hill behind house

Site: 12 Spacing: 999 +/- Owner: Tom Wilson  
Address: 741 Mick Hill Rd., Buckhannon, WV 26201 Phone No. (304) 629-8440  
Comments: Owner called and stated the stream is used for livestock

Topo Quad: Berlin 7.5'

Scale: 1" = 2000' 9700086 P

County: Upshur

Date: February 3, 2016

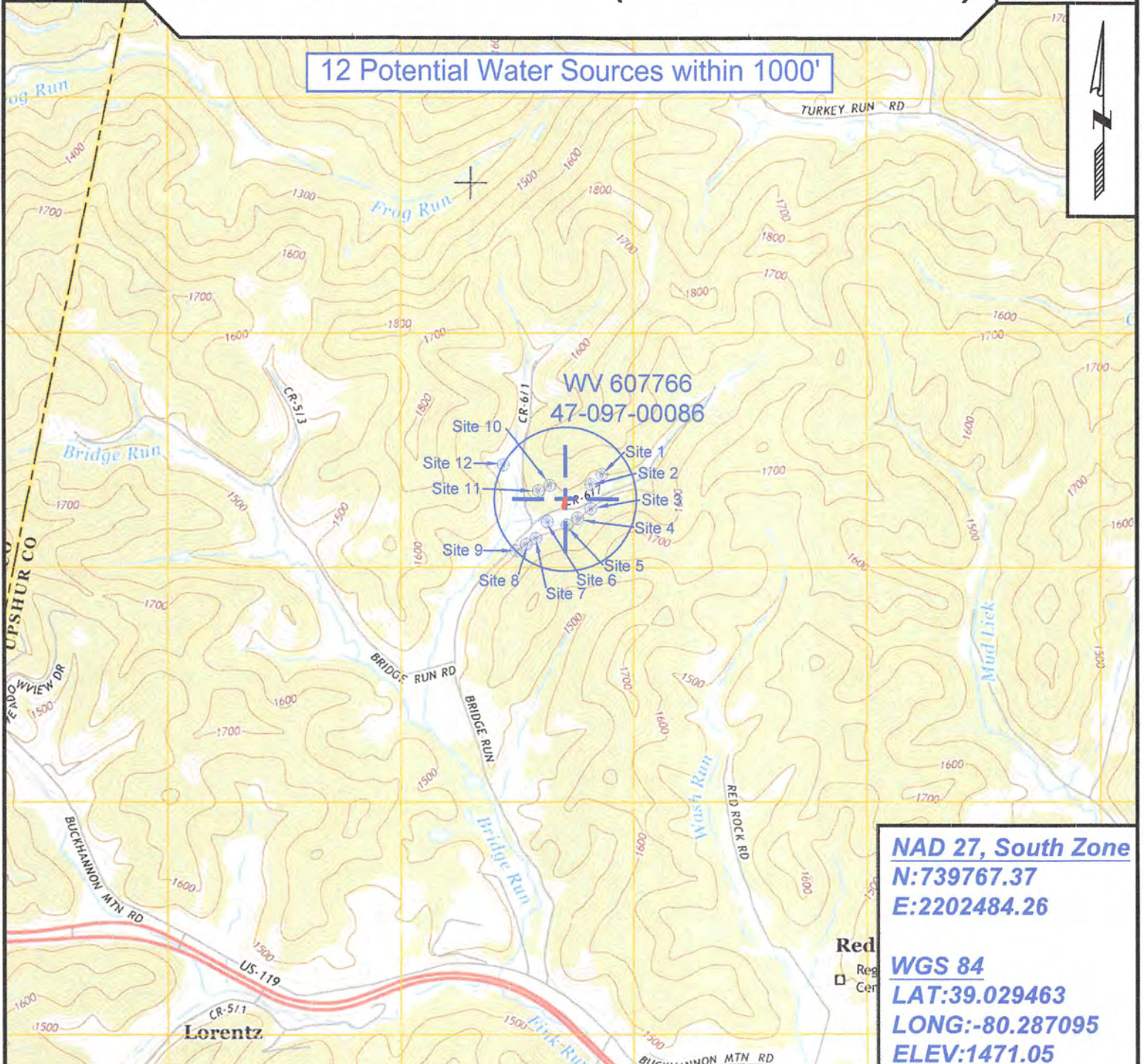
District: Buckhannon

Project No: 39-09-00-09

Water

# 47-097-00086 WV 607766 (C. D. Munson #7766)

12 Potential Water Sources within 1000'



**NAD 27, South Zone**  
**N:739767.37**  
**E:2202484.26**

**WGS 84**  
**LAT:39.029463**  
**LONG:-80.287095**  
**ELEV:1471.05**



**SURVEYING AND MAPPING SERVICES PERFORMED BY:**  
**ALLEGHENY SURVEYS, INC.**  
 1-800-482-8606  
 237 Birch River Road  
 Birch River, WV 26610  
 PH: (304) 649-8606  
 FAX: (304) 649-8608

**PREPARED FOR:**  
**EQT Production Company**  
 P.O. Box 280  
 Bridgeport, WV 26330  
**05/13/2016**