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 penalities 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

97000860

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.

Form WW-4 (B)
Permit Copy
(Rev 2/01)

CK# 204455 $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: District: Buckhannon 2 County: Upshur Quadrangle: Berlin 7.5' 245

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

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

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

97000086 P

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 ¼" csg, cut csg at free point, TOOH w/csg

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APR 18 2016

9700086P

16. TIH w/tbg to 1056', set 256' C1A cement plug 1056' to 800'. (8 ¼" 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. IF 10" CASING BE PULLED GO TO STEP 20, IF NOT PROCEED TO STEP 21.
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.

gwm

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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 (KIND) GAS

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: Raleight, 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' (30 Qts)
Open Flow 9 /10ths Water in 1-1/2" F.M. 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
8¼	1006'	1006'	
6⅝	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 ..... INCHE
FEET ..... INCHES ..... FEET ..... INCHE
FEET ..... INCHES ..... FEET ..... INCHE

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			
San d	"	"	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			

(Over)

9700086P

UPS-86

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
[illegible] Sand	White	Hard	1165	1303			
ıte	Black	Soft	1303	1310			
nd	White	Hard	1310	1429			
ate	Black	Soft	1429	1449			
me	Dark	Hard	1449	1464			
nd	Gray	Hard	1464	1501			
me	"	"	1501	1512			
d Rock	Red	Soft	1512	1598			
me	White	Hard	1598	1625			
xon Sand	Gray	"	1625	1672			
d Rock	Red	Soft	1672	1760			
me	White	Hard	1760	1826			
.ate	Dark	Soft	1826	1832			
.g Lime	White	Hard	1832	1928			
.g Injun		"	1928	2042	Gas	1981-1982'	
iate	White	Soft	2042	2050			
;uaw Sand		Hard	2050	2137			
" "	Red	"	2137	2147			
late	White	Soft	2147	2152			
erea Sand	Light	Hard	2152	2270			
ime	Dark	"	2270	2276			
00' Sand	White	"	2276	2289			
late	Dark	Soft	2289	2295			
00' Sand	Light	Hard	2295	2319			
late	White	Soft	2319	2325			
ime	Gray	Open	2325	2375			
late	White	Soft	2375	2387			
ime	Dark	Hard	2387	2429			
ime	White	"	2429	2433			
late	"	Soft	2433	2448			
Lime	Dark	Hard	2448	2465			
Gordon Stray	Gray	"	2465	2478	Gas	2467-68'	
Red Rock		Soft	2478	2482			
Gordon Stray	Gray	Hard	2482	2507			
Red Rock		Soft	2507	2512			
Gordon 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., Owner

By W. E. Brydell (Title)

9700086 P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. UP-86

Oil or Gas Well (KEEP) GAS

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			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

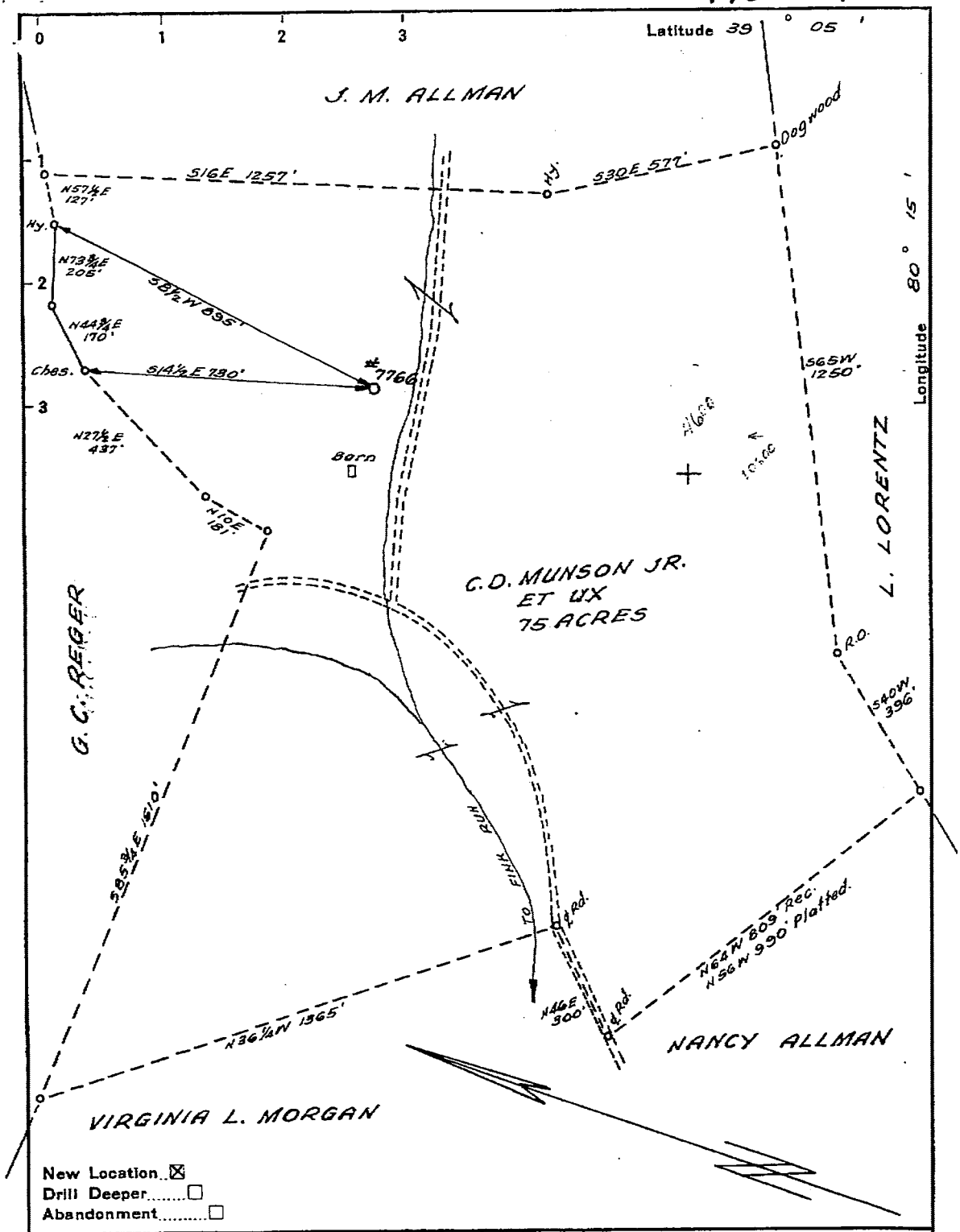
CASING CEMENTED SIZE No. Ft. Date

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			

(Over)

9700086 P



New Location ☒
Drill Deeper ☐
Abandonment ☐

Company PITTSBURGH E. W.VA. GAS
Address CLARKSBURG, W.VA.
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. -9L-

PRINTED ON "IMPERIAL" TRACING CLOTH K & E CO., N.Y.

97000 86 P

WW-4-A
Revised 6/07

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

Name
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**
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.

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

Office of Oil & Gas
APR 18 2016

9700086P

WW-9
Revised 2/03

Page _____ of _____
2) Operator's Well Number
607766 (C. D. Munson #7766)
3) API Well No.: 47 097 - 00086

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 _____
X Reuse (at API Number) - Various _____
X 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 0 5 2016
WV Department of
Environmental Protection

Company Official Signature _____
Company Official (Typed or Printed) Victoria Roark
Company Official Title Permitting Supervisor-WV
Subscribed and sworn before me this 2nd day of May, 2016
Misty S. Christie Notary Public
My Commission Expires 2/20/18

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

9700086P

OPERATOR'S WELL NO.:
607766 (C. D. Munson #7766)

LEGEND

Property Boundary

Diversion

Spring

Wet Spot

Road

Planned Fence

Drain Pipe with size in inches

Water Way

Existing Fence

Stream

Cross Drain

Open Ditch

Artificial Filter Strip

Rock

North

N

Building

Water well

W

Drill site

Pit with Cut Walls

Pit with Compacted Walls

Area of Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I

Seed Type	lbs/acre
Red Fescue	40
Alsike Clover	5
Annual Rye	15

Area II

Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	5

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

ATTACH:
Drawing(s) of road, location, pit and proposed area for land application.
Photocopies section of involved 7.5' topographic sheet.

Plan approved by: _____

Comments: _____

Title: _____ Date: _____
Field Reviewed? _____ Yes _____ No

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

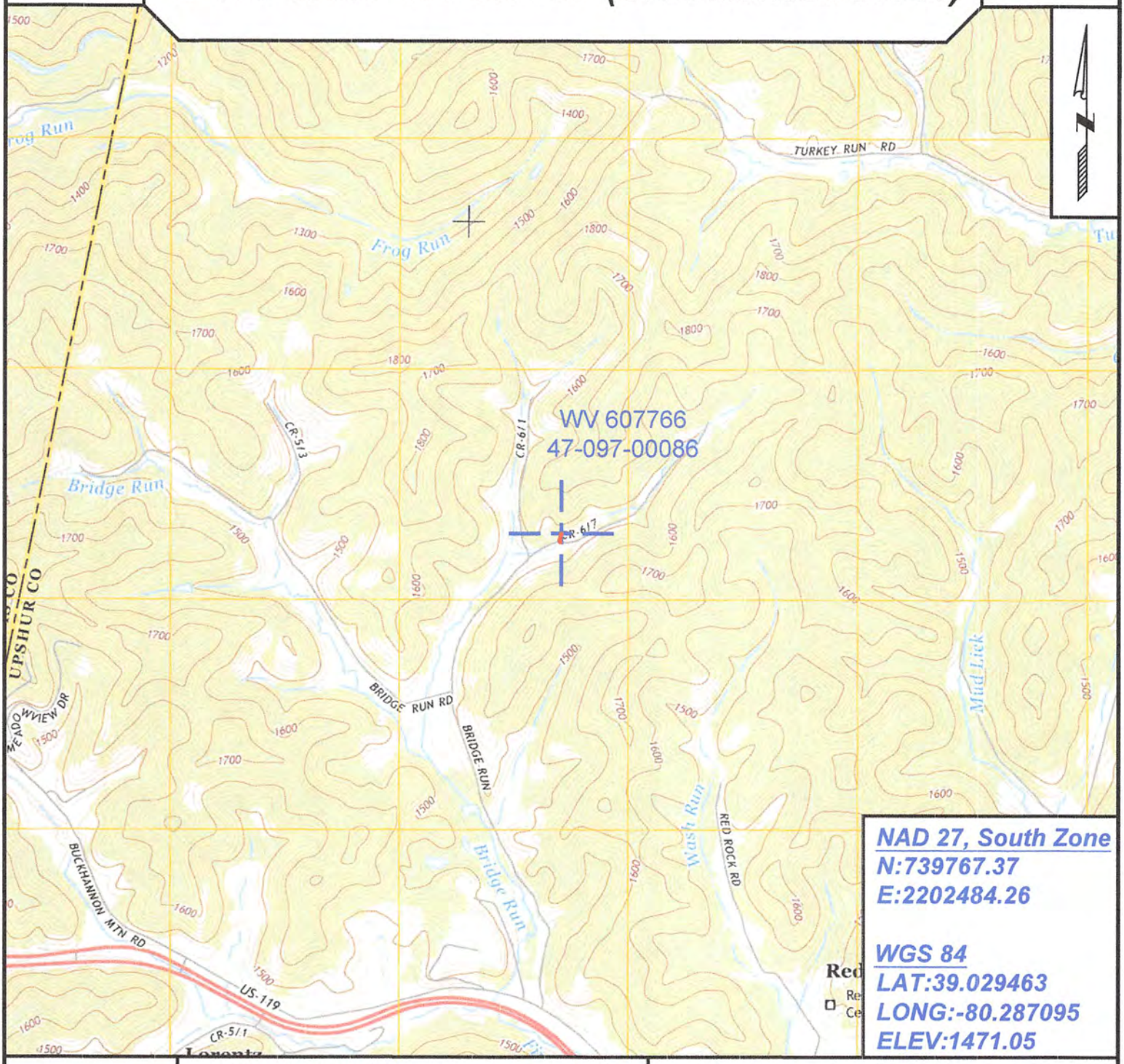
RECEIVED
Office of Oil and Gas
MAY 05 2016
WV Department of
Environmental Protection

9700086P

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

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

97000086 P

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

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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.

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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

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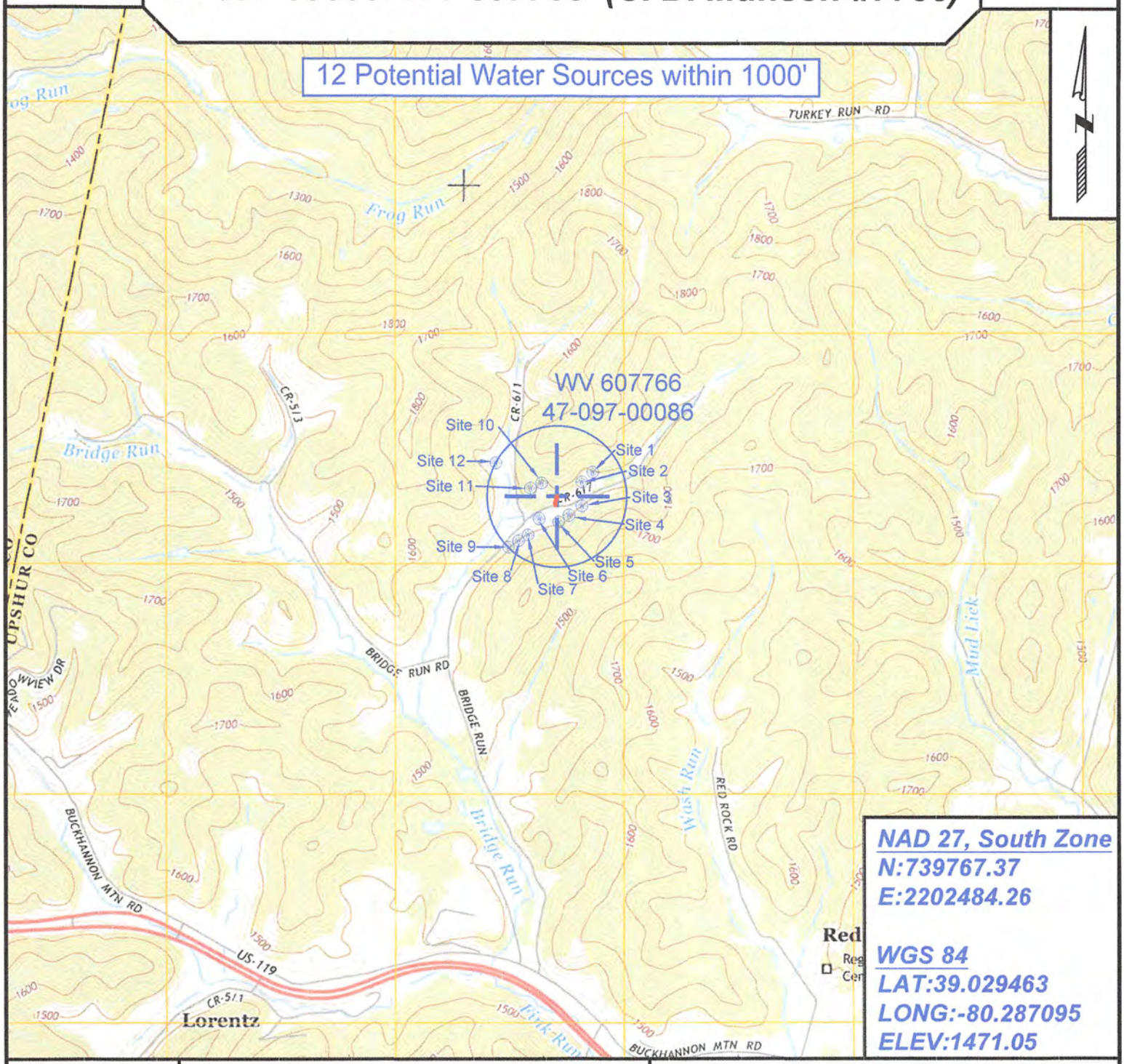
Topo Quad: Berlin 7.5' **Scale:** 1" = 2000'

County: Upshur **Date:** February 3, 2016

District: Buckhannon **Project No:** 39-09-00-09

Water

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



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