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

August 13, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2103122, 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: 1233
Farm Name: DOBERLY, D. L.
API Well Number: 47-2103122
Permit Type: Plugging
Date Issued: 08/13/2015

Promoting a healthy environment.

2103122P

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.

2103122P

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

Date: July 21, 2015
Operator's Well
Well No. 655161 (Coberly #1233)
API Well No.: 47 021 - 03122

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: 777 ft. Watershed: Cedar Creek
Location: Center County: Gilmer Quadrangle: Glenville
District:

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

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

8) Oil & Gas
Name: Danny Mullins
Address: ~~124 Big Trace Fork Road~~ 220 Jack Acres
~~Harts, WV 25524~~ Buckhannon WV

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.

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 Danny Mullins Date 8-4-15

2103122P

PLUGGING PROGNOSIS

Coberley, D.L. #1-1233
(655161)
Gilmer Co. WV
District, Center
API # 47-021-03122
BY: R.Green
DATE: **03/02/15**

CURRENT STATUS:
10" @ 140'
8 ¼" @ 600'
6 5/8" @ 1510'
TD @ 1752'
Elevation @ 795'

Fresh Water @ None reported
Salt Water @ None reported
Coal @ None reported
Gas Shows @ 1690' (Big Injun)'
Oil show @ none reported

DM

1. Notify State Inspector, Danny Mullins, 304-932-6844, 24 hrs. prior to commencing operations.
2. TIH tbg to 1690', set 230' C1A cement plug 1690' to 1460''. (Gas show @ 1690', Big Injun, 6 5/8" csg seat).
3. TOOH tbg to 1460'gel hole 1460' to 1300', TOOH tbg.
4. Free point 6 5/8" casing, cut casing @ free point, (est @ 1250') TOOH casing.
5. 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.
6. TOOH tbg to 1200', gel hole 1200' to 850'.
7. TOOH tbg to 850', set 300' C1A cement plug, 850' to 550'. (Elevation, 8 ¼" casing seat)
8. TOOH tbg to 550', gel hole 550' to 400' TOOH tbg.
9. Free point 8 ¼" casing, cut casing @ free point(est @ 350'), TOOH casing.
10. 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.
11. TOOH tbg to 300',gel hole 300'to 200'.
12. TOOH tbg to 200' set 200' C1A cement plug 200' to surface. (10" casing seat).
13. Erect monument with API#.
14. Reclaim location, road to WV-DEP specifications.

☆ WELL SHOT @ 1690'. LOAD HOLE WITH GEL TO ABOVE 1690', BEFORE SETTING FIRST CEMENT PLUG.

655161

2103122P

CARNEGIE NATURAL GAS COMPANY

GLEN. N.E.

RECORD OF WELL

Well No. 1-1238

. L. Coberley

Farm of 90 Acres, situate in

Center Township District Gilmer

County West Va. Lease No. 5210-1

Shipping Point Gilmer Station RIG

Foreman E. L. Lowther WELL

Located	October 22nd. 1923	Commenced Drilling	November 24th. 1923
Notified Gen'l Office		Notified Gen'l Office	
Commenced	November 16th. 1923	Completed Drilling	December 23rd. 1923
Completed	November 21st. 1923	Notified Gen'l Office	
Contractor	John Craig	Contractor	C. W. McCall & Company
Address	Clarksburg, West Va.	Address	Pittsburgh, Penna.

ROCK FORMATION	TOP	BOTTOM	REMARKS
Conductor		12	ELEVAT N 7 5'
Mapleton Coal			
Pittsburgh Coal			
Little Dunkard	275	350	
Big Dunkard	575	675	
Gas Sand	750	825	
1st Salt Sand	925	1025	
2nd Salt Sand	1100	1200	
3rd. Salt Sand	1290	1360	
Maxton Sand	1420	1480	
Little Lime	1505	1530	
Pencil Cave	1530	1550	
Big Lime	1550	1605	
Big Injun	1605	1705	Gas at 1690
Gantz Sand			
50 Foot Sand			
30 Foot Sand			
Gordon Stray			
Gordon Sand			
4th Sand			
5th Sand			
Bayard Sand			
Elizabeth			
Speechley			
Bradford			

PRESSURE AND VOLUME

½ Minute	0	Lbs.
1 "	10	"
2 "	22	"
3 "	32	"
4 "	40	"
5 "	50	"
10 "		"
15 "		"
30 "		"
1 Hour		"
Rock	250	"
Size of Tubing	2	Inch
Size of Casing		"
Vol. by Water	10/10 Thru 1"	
" " Mercury		
" " Pressure		

CONNECTED TO MAIN LINE

Length of Line Feet

Size of Line Inch

DISCONNECTED FROM LINE

Notified Lessor

Abandoned

Repacked

With Feet Tubing

Water Jetted 1510

Total Depth 1752 Feet at $ per Foot $

Gas Furnished at Cents per Foot

ie Natural Gas Company

RECEIVED
Office of Oil and Gas
JUL 24 [illegible]
WV Department of Environmental Protection

CASING RECORD

SIZE	CHARGED TO WELL Feet	In.	PUT IN WELL Feet	In.	PULLED Feet	In.	LEFT IN WELL Feet	In.	TRANSFERRED Feet	In.	LEFT AT WELL Feet	In.
10"	161		140		00		140		00		52 21	1
8¼"	800		600		00		600		00		252 200	11
6⅝"	~~1682~~		~~1560~~		~~1360~~		~~00~~		~~00~~		156 ~~1682~~	8
6⅝			151				151					
2"	1 55		71				[illegible]				145	5

PACKER

Kind Hook Wall

Size 8¼" X 2"

Set at 1551' 2" Feet

WELL SHOT

By Marietta Torpedo Co

With 20 Qts. at 1690 Feet

Casing Cemented in Well by Company Employ

210 3122P

WW-4-A
Revised 6/07

1) Date: July 21, 2015
2) Operator's Well Number
655161 (Coberly #1233)
3) API Well No.: 47 - 021 - 03122
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: Rolland C. and Josephine G. Coberly
Address: 1144 Cedar Creek Road
Glenville, WV 26351

(b) Name
Address

(c) Name
Address

6) Inspector: Danny Mullins
Address: 124 Big Trace Fork Road
Harts, WV 25524
Telephone: (304) 932-6844

5) (a) Coal Operator:
Name: None
Address

(b) Coal Owner(s) with Declaration
Name: Rolland C. and Josephine G. Coberly
Address: 1144 Cedar Creek Road
Glenville, WV 26351

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 21st day of July, 2015
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

RECEIVED
Office of Oil and Gas
JUL 24 2015
WV Department of
Environmental Protection

2103122P

WW-9
Revised 2/03

Page ____ of ____
2) Operator's Well Number
655161 (Coberly #1233)
3) API Well No.: 47 021 - 03122

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: Cedar Creek Quadrangle: Glenville

Elevation: 777 ft. County: Gilmer District: Center

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 ML. ~~10 ml~~

Proposed Disposal Method for Treated Pit Wastes:

- X Land Application
- ____ Underground Injection - UIC Permit Number ____
- ____ Reuse (at API Number) ____
- ____ Offsite Disposal Permit #.
- ____ 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.

Company Official Signature ____

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 21st day of July, 2015

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

RECEIVED
Office of Oil and Gas
JUL 24 2015
WV Department of
Environmental Protection

2103122P

OPERATOR'S WELL NO.:
655161 (Coberly #1233)

LEGEND

Property Boundary

Diversion

Road

Spring

Wet Spot

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

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: _____

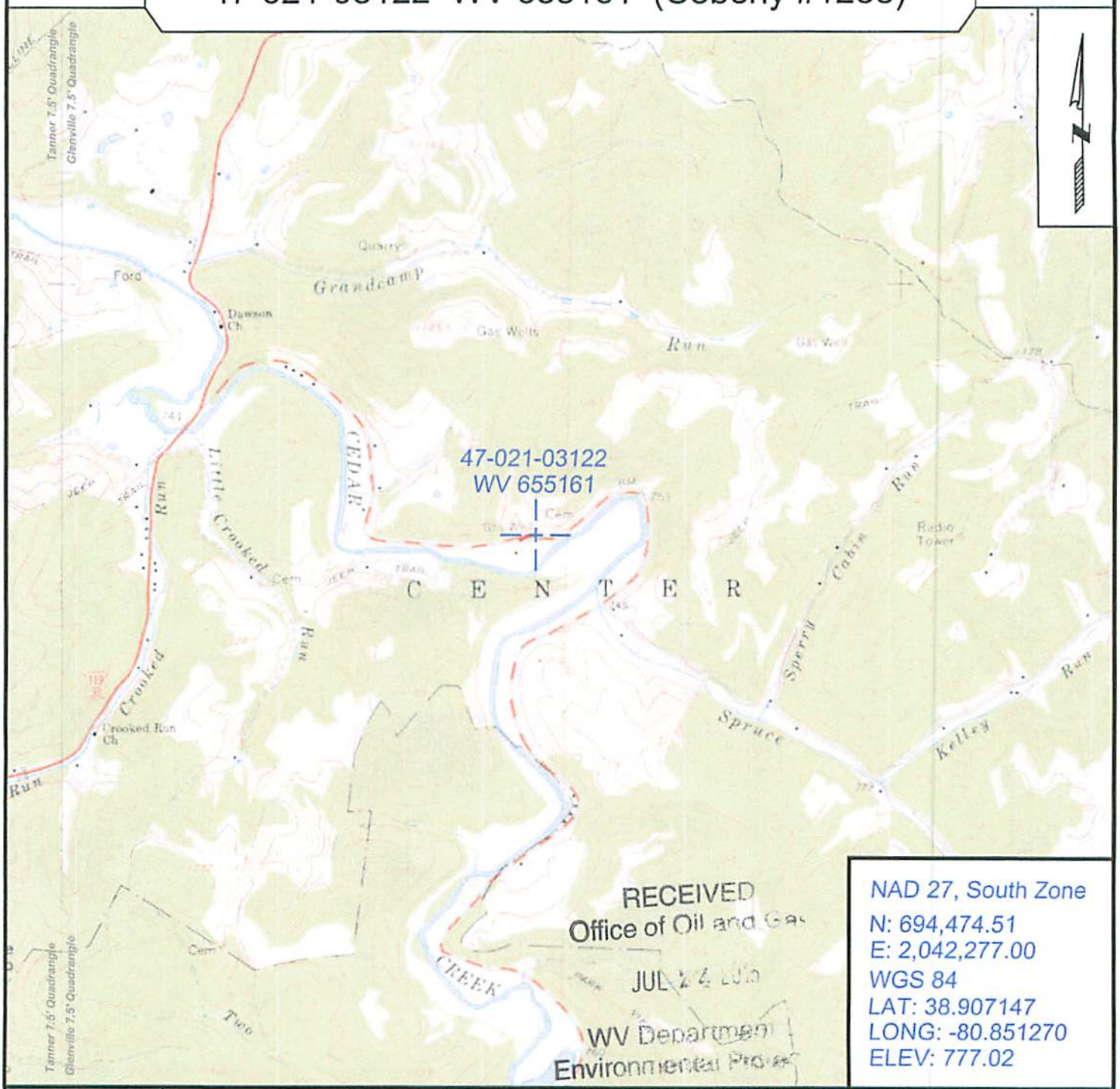
Field Reviewed? _____ Yes _____ No

2103122 P

Topo Quad:	Glenville 7.5'	Scale:	1 " = 2000'
County:	Gilmer	Date:	July 6, 2015
District:	Center	Project No:	25-19-00-07

47-021-03122 WV 655161 (Coberly #1233)

Topo



RECEIVED
Office of Oil and Gas
JUL 24 2015
WV Department of
Environmental Protection

NAD 27, South Zone
N: 694,474.51
E: 2,042,277.00
WGS 84
LAT: 38.907147
LONG: -80.851270
ELEV: 777.02

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

2103122P

WW-7
8-30-06

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

API: 47-021-03122 **WELL NO.:** WV 655161 (Coberly #1233)

FARM NAME: D. L. Doberly

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Gilmer **DISTRICT:** Center

QUADRANGLE: Glenville 7.5'

SURFACE OWNER: Rolland C. and Josephine Coberly

ROYALTY OWNER: Rolland C. and Josephine Coberly

UTM GPS NORTHING: 4306483

UTM GPS EASTING: 512896 **GPS ELEVATION:** 237 m (777 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.

RECEIVED
Office of Oil and Gas
JUL 24 2015
WV Department of
Environmental Protection

Stacy O Brown — Signature
PS #2180 — Title
7/8/15 — Date

2103122P

POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY.
LEASE NAME AND WELL No. Coberly #1233 - WV 655161 - API No. 47-021-03122.

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 725 +/- Owner: Rolland C. and Josephine Coberly.
Address: 1144 Cedar Creek Road, Glenville, WV 26351. Phone No. _____.
Comments: _____.

Site: 2 Spacing: 414 +/- Owner: Rolland C. and Josephine Coberly.
Address: 1144 Cedar Creek Road, Glenville, WV 26351. Phone No. _____.
Comments: _____.

RECEIVED
Office of Oil and Gas

JUL 24 2015

WV Department of
Environmental Protection

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

RANSON OFFICE
401 South Fairfax Blvd, Suite 3
Ranson, WV 25438
phone: 304-724-5008
fax: 304-724-5010

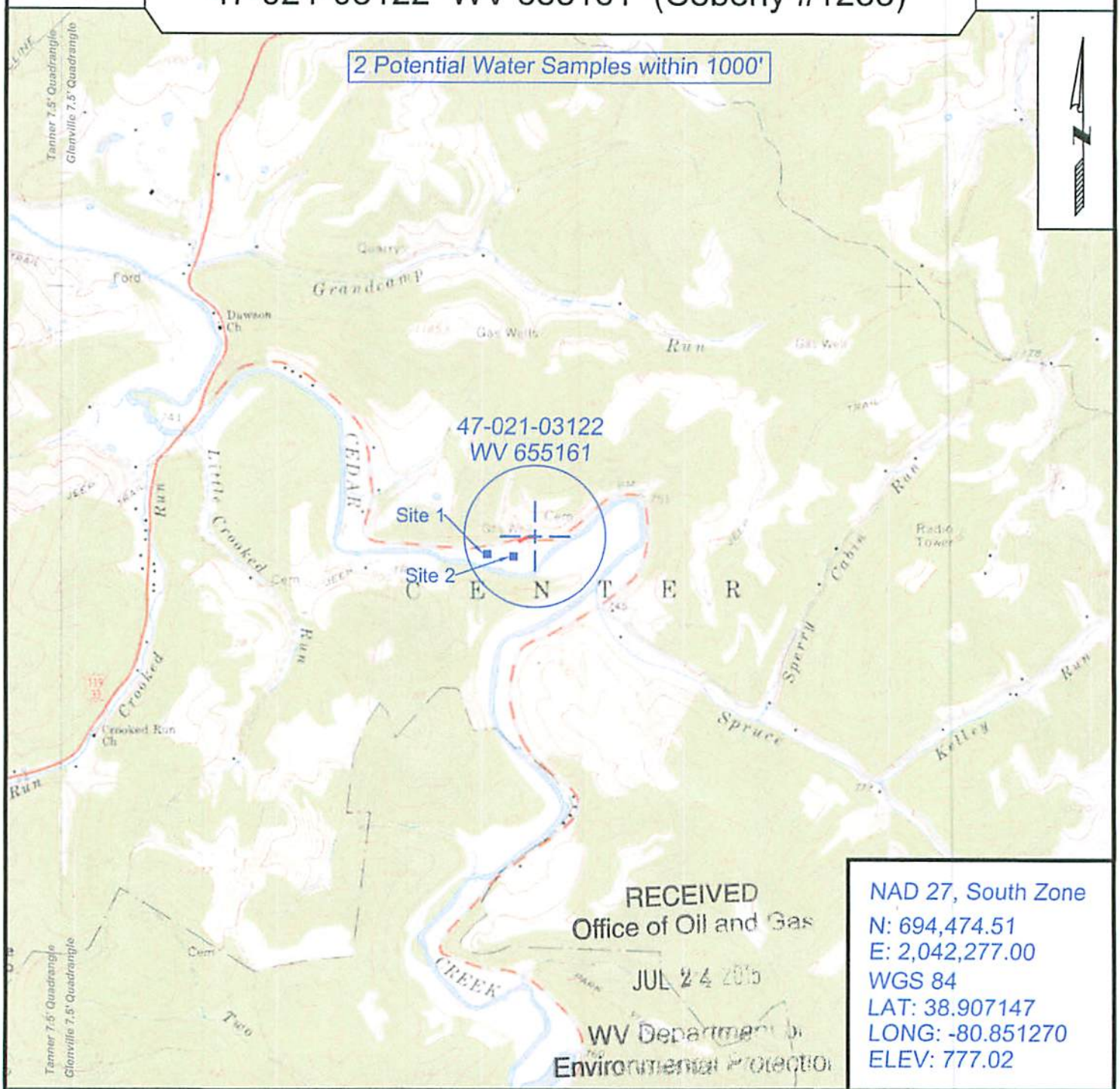
ALLEGHENYSURVEYS.COM

2103122P

Topo Quad:	Glenville 7.5'	Scale:	1 " = 2000'
County:	Gilmer	Date:	July 6, 2015
District:	Center	Project No:	25-19-00-07

Water

47-021-03122 WV 655161 (Coberly #1233)



RECEIVED
Office of Oil and Gas
JUL 24 2015
WV Department of
Environmental Protection

NAD 27, South Zone
N: 694,474.51
E: 2,042,277.00
WGS 84
LAT: 38.907147
LONG: -80.851270
ELEV: 777.02

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