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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Jim Justice , Governor  
Austin Caperton , Cabinet Secretary  
www.dep.wv.gov

Friday, April 07, 2017  
WELL WORK PERMIT  
Vertical / Plugging

EQT PRODUCTION COMPANY (A)  
120 PROFESSIONAL PLACE  
BUILDING II  
BRIDGEPORT, WV 26330

Re: Permit approval for 6128  
47-091-00015-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.



James A. Martin  
Chief

Operator's Well Number: 6128  
Farm Name: TUCKER, J. W.  
U.S. WELL NUMBER: 47-091-00015-00-00  
Vertical / Plugging  
Date Issued: 4/7/2017

Promoting a healthy environment.

04/07/2017

## 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

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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.

91 00015A

OK 22164  
100<sup>00</sup>

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

Date: December 30, 2016  
Operator's Well \_\_\_\_\_  
Well No. 606128 (J. W. Tucker #6128)  
API Well No.: 47 091 - 00015

**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: 1294 ft. Watershed: Peddler Run  
Location: Flemington County: Taylor Quadrangle: Rosemont 7.5'  
District: \_\_\_\_\_
- 6) Well Operator EQT Production Company 7) Designated Agent: Rex C. Ray  
Address: 120 Professional Place Address: 120 Professional Place  
Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) Oil & Gas Kenneth Greynolds 9) Plugging Contractor:  
Name: 613 Broad Run Road Name: HydroCarbon Well Service  
Address: Jane Lew, WV 26378 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 *Kenneth Greynolds* Date 1-31-17

04/07/2017

## PLUGGING PROGNOSIS

**Tucker, J.W. #6128 (606128)**

API # 47-091-00015

District: Flemington

County: Taylor

Prepared by: **Craig Duckworth**

**11/7/16**

### Current Status:

Elevation: 1289'

10" @ 159'

8 1/4" @ 670'

6 5/8" @ 1313'

3" @ 1454' (packer @ 1409')

**TD @ 1454'**

**1<sup>st</sup> Salt Sand @ 610'-636'**

**FW @ 407'**

**SW - None Reported**

**Gas Shows @ Big Injun @ 1400'**

**Completion: @ Perf. Top 1409' - Perf. Bot. 1415' - Perf. Top 1442' - Perf Bot. 1454'**

**Oil Show - None Reported**

**Coal Shows - 407' 590' 636'**

- 1.) Notify State Inspector **Kenneth Greynolds 304-206-661348** hrs prior to commencing operations.
- 2.) If any casings without cement in the annulus cannot be retrieved make sure to consult Inspector and at least perforate all Oil, Gas, FW, Elevation and Coal shows in the well.
- 3.) TIH w/wireline to check TD.
- 4.) ~~Set a 100' CIA Cement Plug 50' In/Out of cut. Perf all SW, FW, Coal, and Gas Shows below 6 5/8" cut. Do not omit any plugs.~~ *ATTEMPT TO DULL ALL 3" CASING*
- 5.) TOOH w/wireline, Free Point 3" casing. Cut 3" @ freepoint, TOOH w/ 3" casing.
- 6.) TIH w/tbg to 1454'; Set 100' CIA Cement Plug @ 1454' to 1354' (Big Injun @ *1370' to 1448'* 1294' & 3" @ 1454', packer @ 1409')
- 7.) TOOH w/tbg, Free Point 6 5/8" casing. Cut 6 5/8" @ freepoint, TOOH w/ 6 5/8" casing. *ATTEMPT TO DULL ALL 6 5/8" CASING*
- 8.) Set a 100' CIA Cement Plug 50' In/Out of cut. Perf all SW, FW, Coal, and Gas Shows below 6 5/8" cut. Do not omit any plugs.

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- 9.) TIH w/tbg Set 200' CIA Cement Plug @ 1354' to 1154' (6 5/8" csg set @ 1313').
- 10.)TOOH w/tbg, gel hole @ 1154' to 720'. *ATTEMPT TO PULL 8" CASING*
- 11.)TOOH w/tbg, set 350' CIA Cement Plug @ 720' to 370' (8 1/4" csg.pt. @ 670' & Coal shows @ 407',590',636')
- 12.)Set a 100' CIA Cement Plug 50' In/Out of cut. Perf all SW, FW, Coal, and Gas Shows below 8 1/4" cut. Do not omit any plugs.
- 13.)TOOH w/tbg, gel hole @ 370' to 200'.
- 14.)TOOH w/tbg, Set 200' CIA Cement Plug @ 200 - 0' (10" & 159')
- 15.)Do not omit any CIA cement plugs shown and use 6% Gel between all Cement plugs.
- 16.)Make sure 6% gel plugs are filled up to the next cement plug, in casing and/or open hole.
- 17.)Top off w/ cement as needed
- 18.)Set Monument & Reclaim location to WV Division of Gas & Oil Specs.

9100015P

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Oil or Gas Well GAS  
(KWS)

Permit No. TAY-25

Company Pittsburgh & West Va Gas Company.  
Address Clarksburg, West Va.,  
Farm J. W. Tucker et ux Acres 396  
Location (waters) Fairmont S/W. 3-2  
Well No. 6128 Elev. 1289'  
District Flemington County Taylor  
The surface of tract is owned in fee by J. W. Tucker et ux  
R.F.D.#3 Address Bridgeport, W.Va.,  
Mineral rights are owned by J.W. Tucker et ux  
R.F.D.#3 Address Bridgeport, W.Va.,  
Drilling commenced April 13, 1942  
Drilling completed May 13, 1942  
Date Shot From To  
With  
Open Flow 78 /10ths Water in. 1" Inch  
1" /10ths Merc. in. F.M. Inch  
Volume 244,000 Cu. Ft.  
Rock Pressure 525 lbs. 64 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
18			Anchor
18	159'	159'	Size of <u>6-5/8" X 3"</u>
10	670'	670'	Depth set <u>1409'</u>
8 3/4	1313'	1313'	
6 3/8	1454'	1454'	Perf. top <u>1409</u>
3			Perf. bottom <u>1415</u>
2			Perf. top <u>1442</u>
Liners Used			Perf. bottom <u>1454</u>

CASING CEMENTED          SIZE          No. Fl.          Date           
COAL WAS ENCOUNTERED AT 407 FEET 60 INCHES  
590 FEET 60 INCHES 636 FEET 36 INCHES  
         FEET          INCHES          FEET          INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Red Rock	Red	Soft		0	7		
Lime	White	Close		7	20		
Red Rock	Red	Soft		20	60		
Slate	White	"		60	85		
Red Rock	Red	"		85	112		
Slate	White	"		112	157		
Lime	Dark	Hard		157	174		
Red Rock	Red	Soft		174	180		
Lime	Dark	Hard		180	265		
Red Rock	Red	Soft		265	275		
Lime	Gray	Hard		275	318		
Slate	Dark	Soft		318	320		
Lime	"	Open		320	346		
Slate	Gray	Soft		346	348		
Lime	White	Close		348	360		
Sand	"	Hard		360	405		
Slate	Dark	Soft		405	407		
Coal	Black	"		407	412	Water	407'
Lime	Gray	Hard		412	422		
Big Dunkard	Gray	Hard		422	458		
Slate	Dark	Soft		458	468		
Lime	"	Close		468	490		
Gas Sand	White	Hard		490	530		
Lime	Gray	"		530	540		
Sand	"	"		540	550		
Lime	White	"		550	580		
Slate	Brown	Soft		580	590		
Coal	Black	"		590	595		
Slate	Dark	"		595	610		
1st. Salt Sand	Gray	Hard		610	636		
Coal	Black	Soft		636	639		
Slate	"	"		639	645		
1st. Salt Sand	Gray	Hard		645	690		
Slate	Black	Soft		690	720		
2nd. Salt Sand	White	Hard		720	842		
Lime	Dark	Hard		842	852		
3rd. Salt Sand	White	"		852	936		
Slate	Black	Soft		936	960		
Lime	Gray	Close		960	1004		
Slate	White	Soft		1004	1028		
Lime	Gray	Hard		1028	1046		
Red Rock	Red	Soft		1046	1075		



(Over)

04/07/2017

Taylor - 15

91.00015A

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime	Gray	Hard	1075	1163			
Red Rock	Red	Soft	1163	1181			
Lime	Gray	Hard	1181	1202			
Red Rock	Red	Soft	1202	1216			
Lime	Gray	Hard	1216	1230			
Red Rock	Red	Soft	1230	1234			
Lime	Gray	Hard	1234	1245			
Slate	Dark	Soft	1245	1259			
Lime	Light	Hard	1259	1270			
Slate	"	Soft	1270	1294			
Big Lime	Dark	Hard	1294	1370			
Big Injun Sand	Light	"	1370	1448	Sh. Gas	1400-1401'	
Lime	Black	"	1448	1454	Gas	1428-1436'	18/10 Mercury 1-1/2" Opng. S.L. 1454'
Total Depth-				1454			

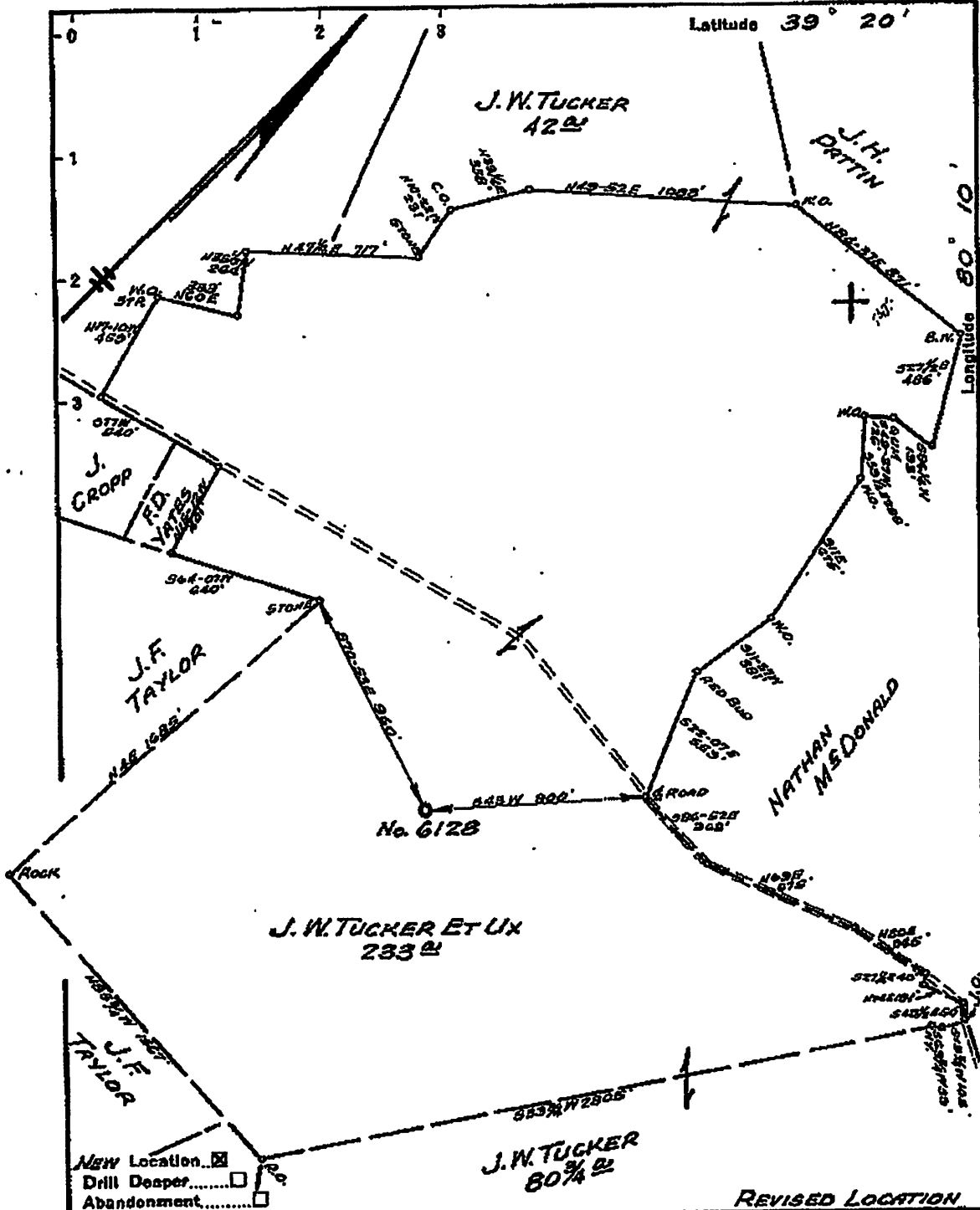
RECEIVED  
Office of Oil and Gas  
JAN 11 2017  
WV Department of  
Environmental Protection

Date: May 20, 1942

APPROVED PITTSBURGH & WEST VA GAS COMPANY, INC.

By: *[Signature]*  
(Title)

04/07/2017



Company PITTSBURGH & WVA. GAS Co.  
 Address CLARKBURG, WVA.  
 Farm J.W. TUCKER ET UX.  
 Tract \_\_\_\_\_ Acres 396 Lease No. 23604  
 Well (Farm) No. ONE Serial No. 6128  
 Elevation (Spirit Level) 1289' VA.  
 Quadrangle FAIRMONT S.W. 32  
 County TAYLOR District FLEMINGTON  
 Engineer Paul W. Cunningham  
 Engineer's Registration No. \_\_\_\_\_  
 File No. V-103, P-141 Drawing No. \_\_\_\_\_  
 Date MAR. 18, 1942 Scale 1"=500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 RECEIVED  
 Office of Oil and Gas  
 WELL LOCATION MAP  
 FILE NO. TAY - JAN 11 2017

† Denotes location of well on United States Topographic Maps, east longitude and latitude lines being represented by border lines as shown.

- Denotes one inch space on border line of original tracing.



9100015P

WW-4-A  
Revised 6/07

1) Date: December 30, 2016  
2) Operator's Well Number  
606128 (J. W. Tucker #6128)  
3) API Well No.: 47 091 - 00015  
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 Sharon Hukill Heirs  
Address c/o Brian Hukill  
9635 George Washington HWY  
Bridgeport, WV 26330  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Kenneth Greynolds  
Address 613 Broad Run Road  
Jane Lew, WV 26378  
Telephone (304) 206-6613

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Arch Coal  
c/o Vaughn Miller  
Address 100 Tygart Drive  
Grafton, WV 26354  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name Arch Coal  
Address c/o Vaughn Miller  
100 Tygart Drive  
Grafton, WV 26354

**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.

RECEIVED  
Office of Oil and Gas

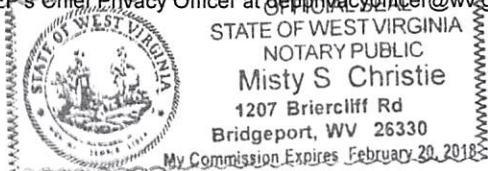
Well Operator: EQT Production Company  
By: Victoria J. Roark  
Its: Permitting Supervisor  
Address: PO Box 280  
Bridgeport, WV 26330  
Telephone: (304) 848-0076

JAN 11 2017

WV Department of  
Environmental Protection

Subscribed and sworn before me this 7th day of January, 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 [privacyofficer@wv.gov](mailto:privacyofficer@wv.gov).



04/07/2017

91000159

WW-9  
Revised 5/16

Page \_\_\_\_\_ of \_\_\_\_\_  
2) Operator's Well Number  
**606128 (J. W. Tucker #6128)**  
3) API Well No.: 47 091 - 00015

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**OFFICE OF OIL & GAS**  
**FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN**

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

Watershed (HUC 10): Peddler Run Quadrangle: Rosemont 7.5'

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

Will a pit be used? Yes X No\_\_\_

If so, please describe anticipated pit waste: \_\_\_\_\_ **Formation Fluids** \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes X No\_\_\_ Is so, what ml.? 20 ~~10~~ ml

- Proposed Disposal Method for Treated Pit Wastes:
- \_\_\_\_\_ Land Application (if selected provide a completed form WW-9-GPP)
  - \_\_\_\_\_ Underground Injection (UIC Permit Number \_\_\_\_\_)
  - X \_\_\_\_\_ Reuse (at API Number -- Various \_\_\_\_\_)
  - X \_\_\_\_\_ Off Site Disposal Permit (Supply form WW-9 for disposal location. See attachment)
  - \_\_\_\_\_ Other: (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: \_\_\_\_\_

Drilling medium anticipated for this well? (vertical and horizontal)? Air, freshwater, oil based, etc. \_\_\_\_\_

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

Additives to be used in drilling medium? \_\_\_\_\_

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? \_\_\_\_\_

Permittee shall provide written notice to the Office of the Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 term 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

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Office of Oil and Gas  
JAN 11 2017

Company Official Signature *Victoria J. Roark*

Company Official (Typed Name) Victoria J. Roark

Company Official Title Permitting Supervisor - WV

Subscribed and sworn before me this 4th day of January, 2017

My Commission Expires 2/20/18

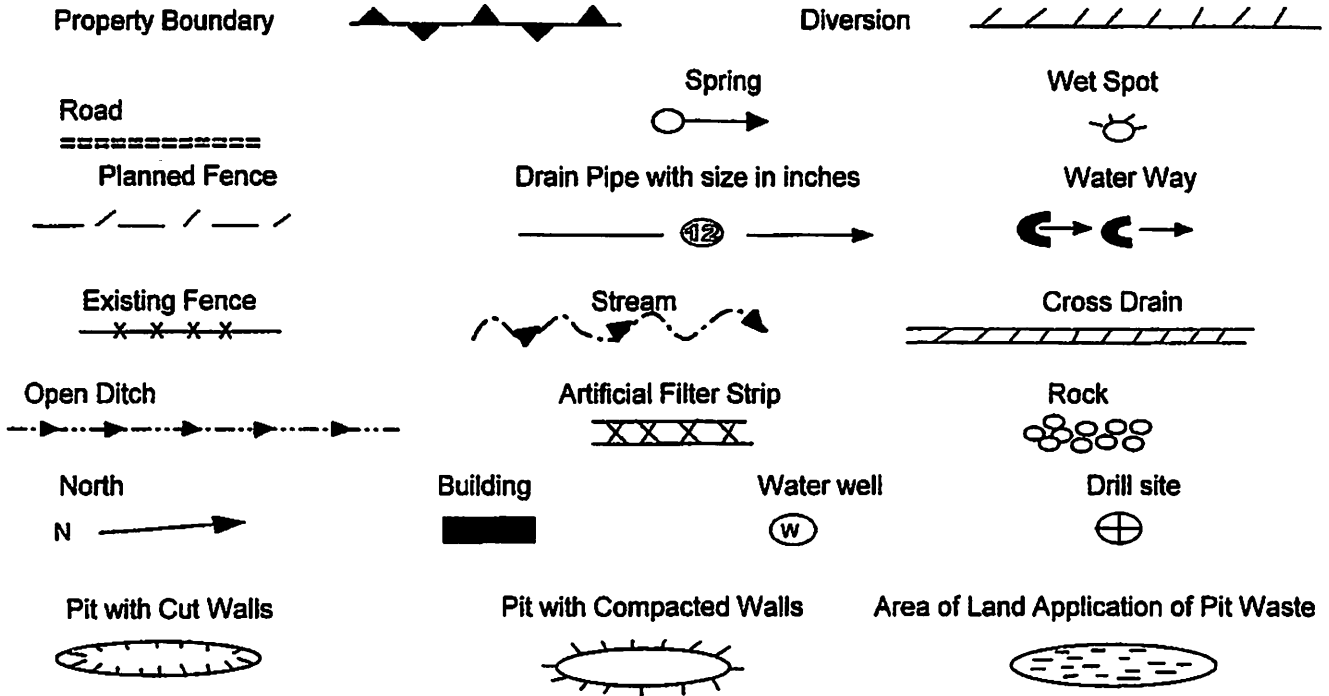
*Misty S. Christie*

Notary Public  
OFFICIAL SEAL  
STATE OF WEST VIRGINIA  
NOTARY PUBLIC  
Misty S. Christie  
1207 Briercliff Rd  
Bridgeport, WV 26330  
My Commission Expires February 20, 2018  
**04/07/2017**

WV Department of Environmental Protection

**OPERATOR'S WELL NO.:**  
**606128 (J. W. Tucker #6128)**

**LEGEND**



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

**ATTACH:**

Drawing(s) of road, location, pit and proposed area for land application.

Photocopies section of involved 7.5' topographic sheet.

Plan approved by: *Thomas Arnold*

Comments: RECLAIM, RESEED AND MULCH ASAP

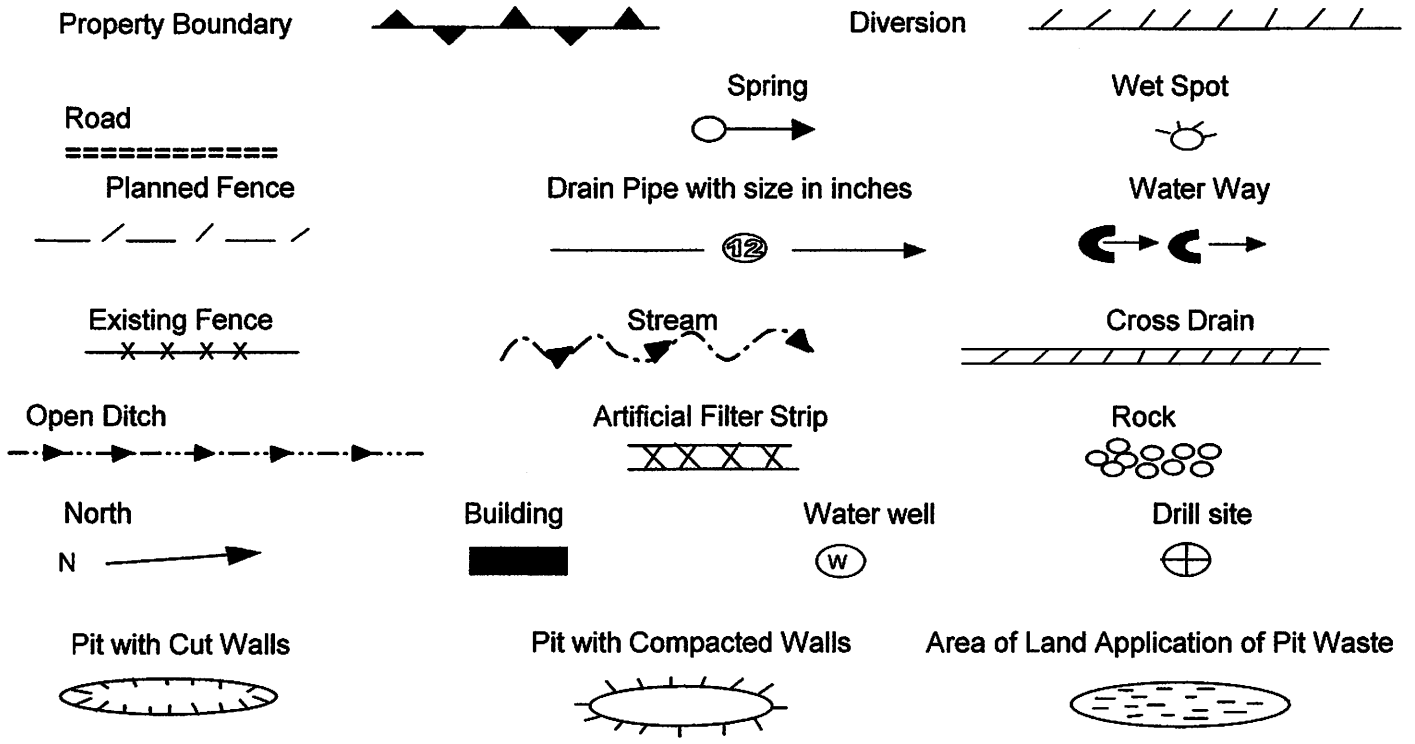
Title: OK + GOS INSPECTOR Date: 1-31-17

Field Reviewed? Yes  No

9100015P

OPERATOR'S WELL NO.:  
606128 (J. W. Tucker #6128)

### LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH         

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**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

**RECEIVED**  
Office of Oil and Gas  
JAN 11 2017  
WV Department of  
Environmental Protection

04/07/2017

9100015P

**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

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**Office of Oil and Gas**

**JAN 11 2017**

**WV Department of**  
**Environmental Protection**

04/07/2017

9100015P

Topo Quad: Rosemont 7.5' Scale: 1" = 200'

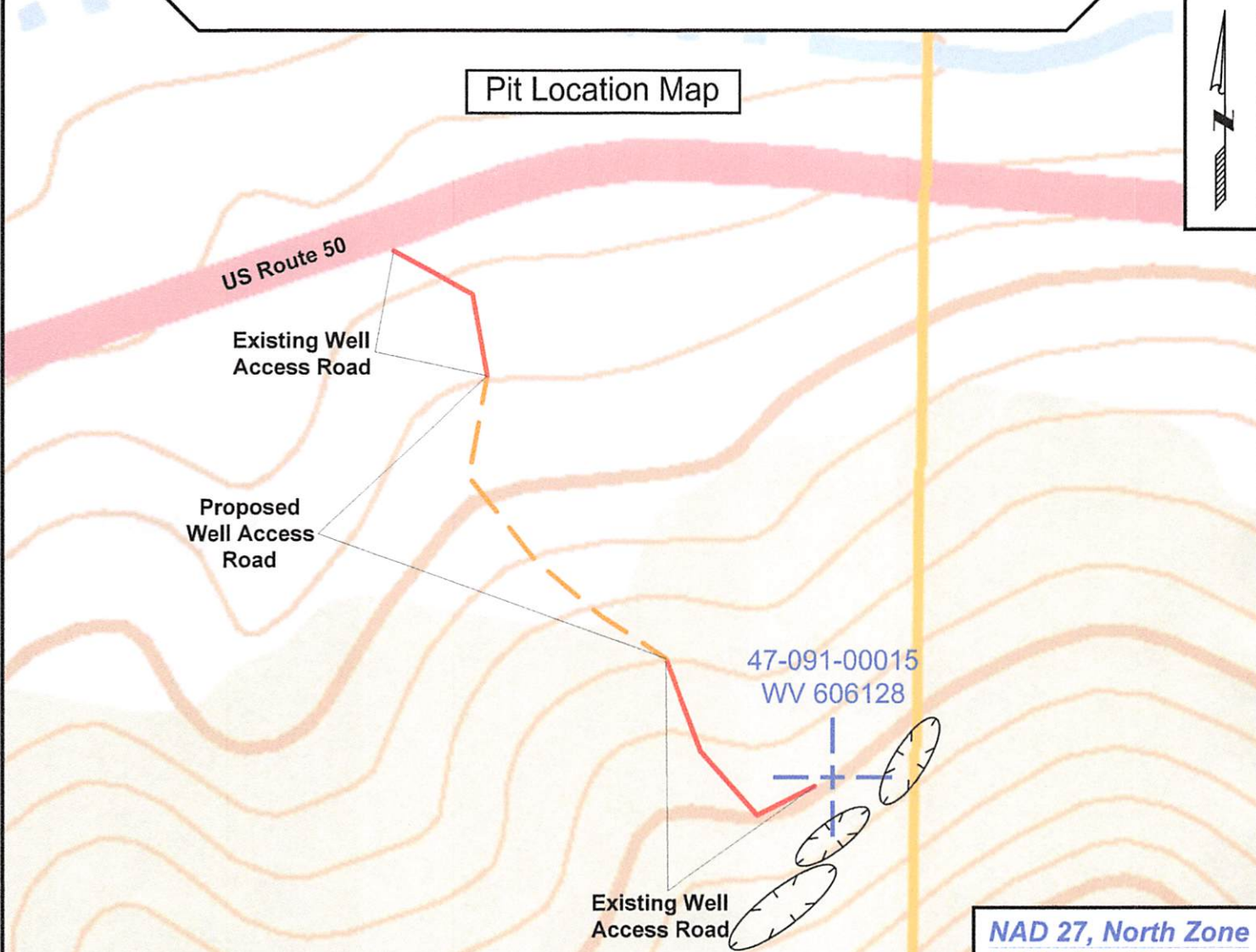
County: Taylor Date: October 6, 2016

District: Flemington Project No: 206-13-00-16


# 47-091-00015 WV 606128 (J. W. Tucker #6128)

Topo

## Pit Location Map



### LEGEND

- PIT-CUT WALLS 
- PIT-COMPACTED WALLS 
- AREA OF LAND APPLICATION OF PIT WASTE 

NAD 27, North Zone  
 N:291,696.25  
 E:1,805,081.19

WGS 84  
 LAT:39.298918  
 LONG:-80.188566  
 ELEV:1293.61'



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

04/07/2017

9100015A

Topo Quad: Rosemont 7.5'      Scale: 1" = 500'

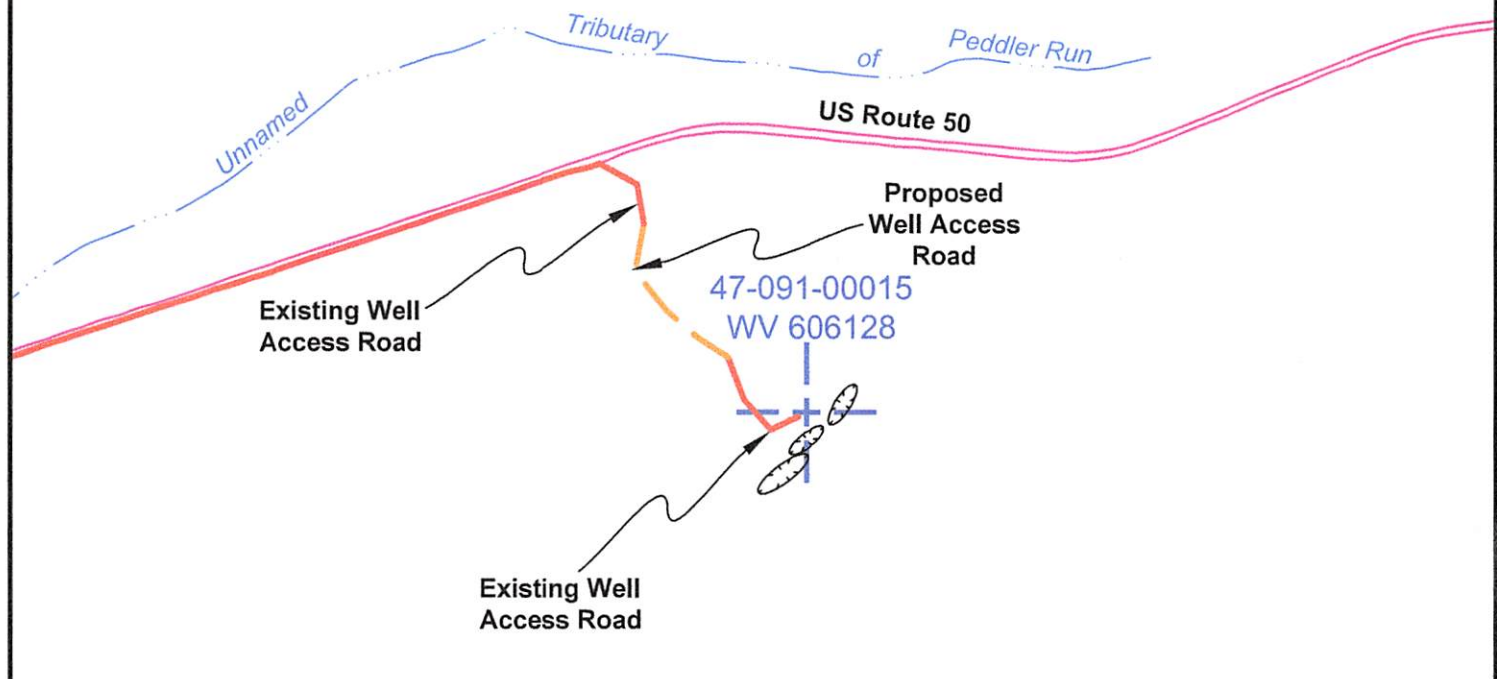
County: Taylor      Date: October 6, 2016

District: Flemington      Project No: 206-13-00-16

# 47-091-00015 WV 606128 (J. W. Tucker #6128)

Topo

## Pit Location Map



**LEGEND**

- PIT-CUT WALLS
- PIT-COMPACTED WALLS
- AREA OF LAND APPLICATION OF PIT WASTE

NAD 27, North Zone  
 RECEIVED  
 Office of Oil and Gas  
 JAN 11 2017  
 WGS 84  
 LAT: 39.298918  
 LONG: -80.788566  
 WV Department of  
 Environmental Protection  
 ELEV: 1293.61'



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

04/07/2017







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

API: 47-091-00015 WELL NO.: WV 606128 (J. W. Tucker #6128)

FARM NAME: J. W. Tucker, et ux.

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Taylor DISTRICT: Flemington

QUADRANGLE: Rosemont 7.5'

SURFACE OWNER: Greenwood Land Inc.

ROYALTY OWNER: Greenwood Land Inc., et al.

UTM GPS NORTHING: 4350262

UTM GPS EASTING: 569967 GPS ELEVATION: 394 m (1294 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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
 Real-Time Differential \_\_\_\_\_  
 Mapping Grade GPS X : Post Processed Differential X  
 Real-Time Differential \_\_\_\_\_

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- 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.

WV Department of Environmental Protection

[Signature]  
Signature

PS# 2180  
Title

10/18/16  
Date



## POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
LEASE NAME AND WELL No. J. W. Tucker #6128 WV 606128 47-091-00015

### POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 941 +/- Owner: Nathaniel Huffman  
Address: 9723 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

Site: 2 Spacing: 856 +/- Owner: David & Marie Kitzmiller  
Address: 9689 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

Site: 3 Spacing: 771 +/- Owner: Mark & Sandra Swecker  
Address: 9667 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

Site: 4 Spacing: 734 +/- Owner: James Frenzel & Brittany Trippett  
Address: 9649 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

Site: 5 Spacing: 700 +/- Owner: Sharon Hukill  
Address: 9635 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

Site: 6 Spacing: 650 +/- Owner: Matthew Vincent  
Address: 9613 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

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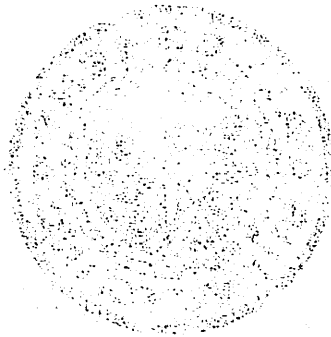
WV Department of  
Environmental Protection

**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

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



DEPARTMENT OF DEFENSE

OFFICE OF THE SECRETARY OF DEFENSE  
ATTENTION: [illegible]

MEMORANDUM FOR THE SECRETARY OF DEFENSE

DATE: [illegible]  
SUBJECT: [illegible]

1. [illegible]

2. [illegible]

3. [illegible]

4. [illegible]

5. [illegible]

6. [illegible]

7. [illegible]

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OFFICE OF THE SECRETARY OF DEFENSE  
VLS, J. A. MAL

to [illegible]  
[illegible]

Site: 7 Spacing: 601 +/- Owner: John McEldowney  
Address: 9583 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

Site: 8 Spacing: 590 +/- Owner: Frank & Andrew Zukowsky  
Address: 7112 Scottsdale Rd., Fairmont, WV 26554 Phone No. \_\_\_\_\_  
Comments: \_\_\_\_\_

Site: 9 Spacing: 607 +/- Owner: James & Sarah Jones  
Address: RR 3 Box 148J, Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

Site: 10 Spacing: 600 +/- Owner: Benjamin & Sara Long  
Address: 9505 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: Public water

Site: 11 Spacing: 661 +/- Owner: Mark & Nicole Shreve  
Address: 9485 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: \_\_\_\_\_

Site: 12 Spacing: 739 +/- Owner: Peter Brosnihan  
Address: 9447 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: \_\_\_\_\_

Site: 13 Spacing: 824 +/- Owner: Frank Crislip  
Address: 9415 George Washington Hwy., Bridgeport, WV 26330 Phone No. \_\_\_\_\_  
Comments: \_\_\_\_\_

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JAN 11 2017  
WV Department of  
Environmental Protection

Topo Quad: Rosemont 7.5' Scale: 1" = 2000'

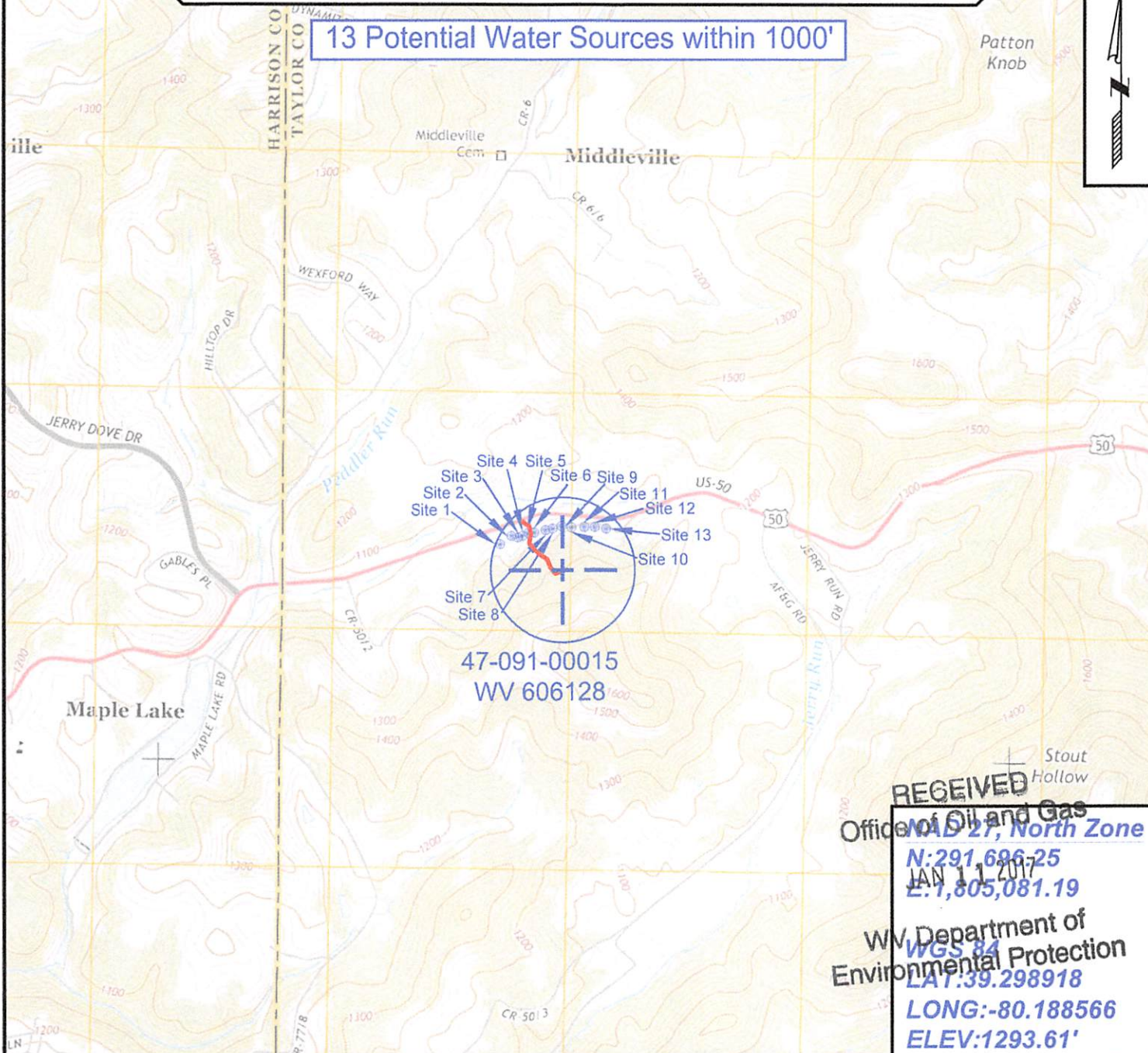
County: Taylor Date: October 6, 2016

District: Flemington Project No: 206-13-00-16

Water

# 47-091-00015 WV 606128 (J. W. Tucker #6128)

13 Potential Water Sources within 1000'



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 Office of Oil and Gas  
 North Zone  
 N: 291,696.25  
 E: 1,805,081.19  
 JAN 11 2017  
 WV Department of  
 Environmental Protection  
 WGS 84  
 LAT: 39.298918  
 LONG: -80.188566  
 ELEV: 1293.61'



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

04/07/2017

91 000 15P

neopost™  
01/10/2017

US POSTAGE

\$07.57



ZIP 26330  
041L1022888

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Certified Mail Fee  
\$ \_\_\_\_\_

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postmark  
Here

mc

Postage  
\$ \_\_\_\_\_

Total \$ \_\_\_\_\_

Arch Coal  
c/o Vaughn Miller  
100 Tygart Drive  
Grafton, WV 26354

c/o Vaughn Miller  
100 Tygart Drive  
Grafton, WV 26354

Plugging Permit #606128

Plugging Permit #606128  
PS Form 3811, April 2015 PSN 7530-02-000-9053

Permitting Department  
Production  
Box 280  
Grafton, WV 26330

PS Form 3811, July 2015 PSN 7530-02-000-9053

2. Article Number (printed on reverse)

9590 9402 2404 19 6676 71

Office of Oil and Gas

Plugging Permit #606128

WV Department of Environmental Protection  
100 Tygart Drive  
Grafton, WV 26354  
c/o Vaughn Miller  
Arch Coal

1. Article Addressed to:  
or on the front if space permits.

Print your name and address on the reverse so that we can return the card to you.

2. Tygart Drive is on the back of the mailpiece, or on the front if space permits.

3. Service Type

Certified Mail®

Certified Mail Restricted Delivery

Adult Signature Restricted Delivery

Adult Signature Restricted Delivery

Registered Mail™

Registered Mail Restricted Delivery

Priority Mail Express®

Return Receipt for Merchandise

Return Receipt for Merchandise

Signature Confirmation™

Signature Confirmation™

Restricted Delivery

Restricted Delivery (over \$500)

D. Is delivery address different from item 1? Yes  No

If YES, enter delivery address below:

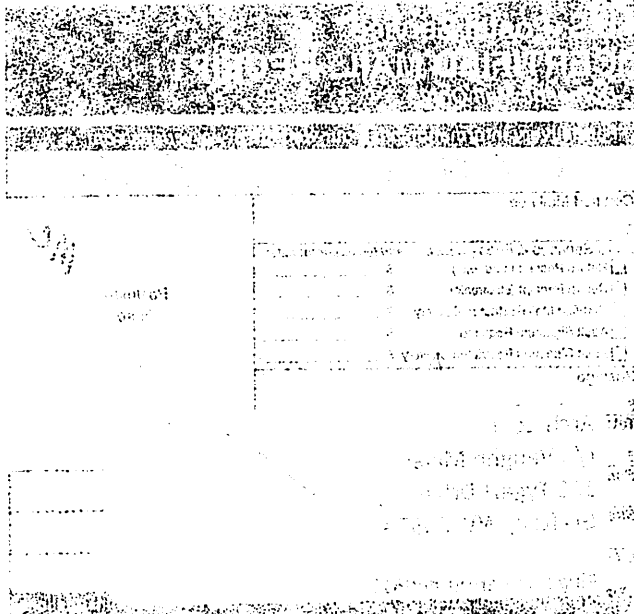
B. Received by (Printed Name)

C. Date of Delivery

X Agent

Address

04/07/2017



Vertical text on the right side of the page, appearing to be a list or index of items, though the text is illegible due to noise and low resolution.

Environmental Protection  
Department of the Interior  
Washington, DC 20460  
to mention of  
Environmental Protection  
Department of the Interior  
Washington, DC 20460

Environmental Protection  
Department of the Interior  
Washington, DC 20460  
to mention of  
Environmental Protection  
Department of the Interior  
Washington, DC 20460

04/07/2017

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01/10/2017  
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ZIP 26330  
041L10228892

0100015A



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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postmark Here

*me*

Postage \$ \_\_\_\_\_

Total \$ \_\_\_\_\_

Sent to Sharon Hukill Heirs  
c/o Brian Hukill  
9635 George Washington HWY  
Street Bridgeport, WV 26330  
City, S

Plugging Permit #606128

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Sharon Hukill Heirs  
c/o Brian Hukill  
9635 George Washington HWY  
Bridgeport, WV 26330  
Plugging Permit #606128

Shipping Department  
30  
WV 26330

PS Form 3811, July 2015 PSN 7530-02-000-9053

7016 2070 0001 0947 7539

Office of Oil and Gas

9635 George Washington HWY

Bridgeport, WV 26330

Plugging Permit #606128

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JAN 11 2017

WV Department of Environmental Protection

Sharon Hukill Heirs  
c/o Brian Hukill  
9635 George Washington HWY

1. Article Addressed to:  
2. Article Number (Transfer from service label)

3. Service Type  
 Priority Mail Express®  
 Registered Mail™  
 Registered Mail Restricted Delivery  
 Adult Signature  
 Certified Mail®  
 Certified Mail Restricted Delivery  
 Return Receipt for Merchandise  
 Signature Confirmation™  
 Restricted Delivery

4. Is delivery address different from item 1? Yes  No

D. If YES, enter delivery address below:

B. Received by (Printed Name)  
C. Date of Delivery

Print your name and address on the reverse so that we can return the card to you.  
Attach this card to the back of the mailpiece, or on the front if space permits.

04/07/2017