

#### west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Monday, February 3, 2020 WELL WORK PLUGGING PERMIT Vertical Plugging

**EOT PRODUCTION COMPANY** 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re:

Permit approval for 6126 MASON

47-091-00021-00-00

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.

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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: 6126 MASON

Farm Name:

SIMBA GROUP INC

U.S. WELL NUMBER: 47-091-00021-00-00

Vertical Plugging

Date Issued: 2/3/2020

Promoting a healthy environment.

# **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.

WW-4B Rev. 2/01

1) Date January 8	, 20 20
2) Operator's	- State Control of the Control of th
Well No. Bruce M	lason #6125
3) API Well No.	47-081 - 00031 P

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

	(If "Gas, Production or Un				
5) Location	Location: Elevation 1185'		Watershed Padds Run		
· · · Ti li	District Booths Creek		Quadrangle Fairmont East		
6) Well Ope	erator EQT Production Company	7)Designated A	gent Joseph C. Mallow		
Ac	Address 400 Woodcliff Drive		ress 115 Professional Place		
	Canonsburg PA 15317		Bridgeport WV 26330		
Name	Gas Inspector to be notified Kenneth Greynolds	Name Hyc	froCarbon Well Service		
Addre	ess 613 Broad Run Road	-	PO Box 995		
	Jane Lew, WV 26378		Buckhannon WV 26201		
	der: The work order for the man		this well is as follows:		
			this well is as follows:		
			this well is as follows:  RECEIVED Office of Oil and Gas		
			RECEIVED Office of Oil and Gas		
			RECEIVED Office of Oil and Gas JAN 2 4 2020 WV Department of		

#### PLUGGING PROGNOS

606126

B. Mason 6126 API# 47-091-00021 District, Booths Creek Taylor County, WV

BY: R Green DATE: 1/19/17

CURRENT STATUS: TD @ 981'

Elevation @1161'

10" casing @ 130' 8 1/4" casing @ 560' 6 5/8"" casing @ 837'

Fresh Water @ 174'
Saltwater@ None Reported
Oil Show @ None reported
Gas shows @ 886'
Coal @ None Reported

- 1. Notify inspector, Kenneth Greynolds, @ 304-206-6613, 24 hrs. prior to commencing operations.
- 2. Check TD @ or below 950'.
- 3. TIH to 950', spot 25 bbl. of 6% gelled water, followed by a 250' C1A cement plug, 950' to 700'. WOC 8 hrs., Tag TOC, add additional C1A cement if necessary.
- 4. Free point 6 5/8" casing, cut casing @ free point. TOOH casing.
- 5. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
- 6. TOOH to 600', set 200' C1A cement plug 600' to 400'. (8 1/4" casing seat).
- 7. Free point 8 1/4" casing, cut casing @ free point. TOOH casing.
- 8. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
- 9. TOOH to 250', set 150' Cla cement plug, 250' to 100'. (10" casing seat)
- 10. Free point 10" casing, cut casing @ free point. TOOH casing.
- 11. Set 100' C1A cement plug 50' in casing cut to surface. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
- 12. \* Note if unable to cut and pull 10" casing, TIH and perforate 10" casing with 3 holes each @ 90', & 50', Set 100' C1A cement plug 100' to surface.
- 13. Erect monument with API#, date plugged, company name, and company 6-digit ID#.
- 14. Reclaim location and road to WV-DEP specifications.

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Office of Oil and Gas

JAN 2 4 2020

STATE OF WEST VIRGINIA

OIL AND GAS DIVISION

WELL RECORD

Permit No. TAY-21

	-21					Oil or Gas	
Company Pit	tsburgh & .	West Va Gas	Cempany.			1.23	The state of the
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Office of Oil and Gas

# STATE OF WEST VIRGINIA

# DEPARTMENT OF MINES OIL AND GAS DIVISION NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINIS, Charleston, W. Va.	
D. Bruce Mason et al.	Pittsburgh & West We Gas Company.
200 Magnolia Avenue. Clarksburg, West Va.,	Clarksburg, West Va.
ADDRESS	July 8, 42
COAL OPERATOR OR COAL OWNER	PROPOSED LOCATION
D. Bruce Kason et al.	District.  Taylor.  County
200 Magnolia Avenue. Clarksburg, West Va.,	Well No 6126 80° 05
ADDRESS GENTLEMEN:	D. Bruce Mason et al. Farm
The undersigned well operator is entitled to di	rill upon the above named farm og tract of land for
oil and gas, having fee title thereto, (or as the case in March 21, 1939 made   Pittsburgh & West Va Gas Company   June 1939	nay be) under grant or lease dated
Pittsburgh & West Va Gas Company	and recorded on the 9th. day
to be drilled for oil and gas by the undersigned well of and County above named, determined by survey and co- land marks.	ourses and distances from two permanent points, or
4.* (1) (1) (1) (4) (2) (2) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	pelieves there are no coal operators operating beds and well is located, or within 500 feet of the bound- aid filed their maps as required by law, excepting the
The above named coal operators or coal owners (i	I and ) are notified that any objections they may
desire to make to such proposed location, or which they the drilling of a well at said proposed location will caus	are required to make by Section 3 of said Code, if.
coal mines, must be received by, or filed with the Depart	se a dangerous condition in or about their respective
con mines, must be received by, or filed with the Depart a copy of this notice and accompanying plat by said D that forms/for use in making such objections will b promptly on request and that all such objections must a	se a dangerous condition in or about their respective ment of Mines within tene days from the receipt of epartment. Said coal operators are further notified of furnished to them by the Department of Mines set forth as definitely as is reasonably nossible the
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con mines, must be received by, or filed with the Depart a copy of this notice and accompanying plat by said D that forms for use in making such objections will h promptly on request and that all such objections must a ground or grounds on which such objections are base posed location should be moved to overcome same.  (The next paragraph is to be completed only i Copies of this notice and the enclosed plat were in named coal operators or coal owners at their above sh or on the same day with the mailing or delivery of the West Virginia.	ment of Mines within tene days from the receipt of ment of Mines within tene days from the receipt of epartment. Said coal operators are further notified to furnished to them by the Department of Mines set forth as definitely as is reasonably possible the diand indicate the direction and distance the pro-  n Department's copy.)  nailed by registered mail, or delivered to the above own respective address day before his copy to the Department of Mines at Charleston,
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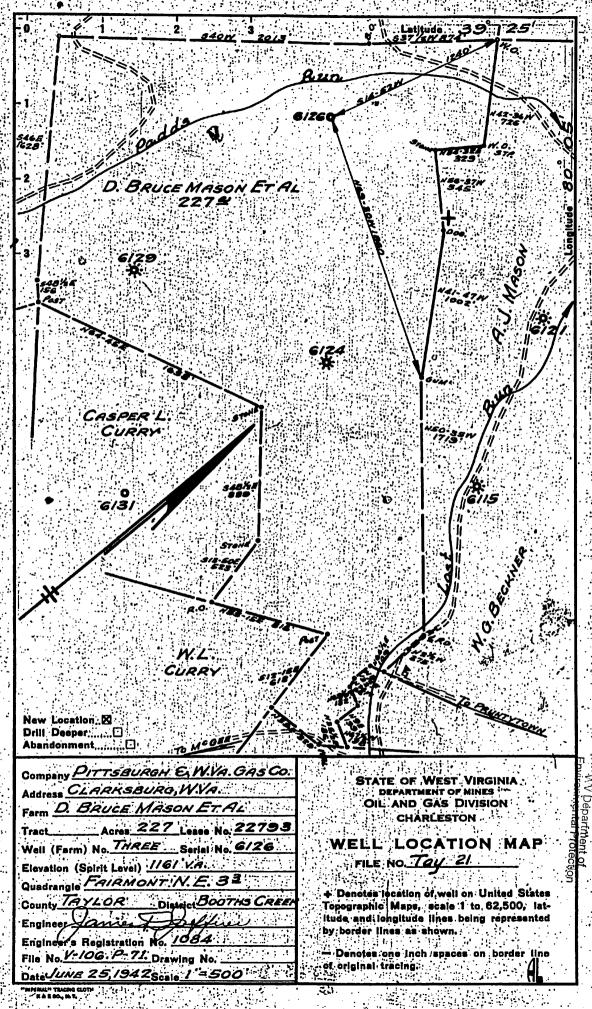
Section 3... If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall for the the location of the said for the said to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location; or found thereto by the department, and that the same is approved and the well operator authorised to proceed to drill at said location.

TAY-21

PERMIT NUMBER

PERMIT NUMBER

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Office of Cil and Gas

JAN 2 4 2020...

WW-4A Revised 6-07

1) Date: January 8, 2020 2) Operator's Well Number Bruce Mason #6126

3) API Well No.: 47 -

091 00021

#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Own	er(s) to be served:	5) (	(a) Coal Operator		
(a) Name	See Attached		Name		
Address			Address		
(b) Name		·	(b) Coal Own	ner(s) with Declaration	
Address			Name	See Attached	
			Address		
(c) Name			Name		
Address			Address		
6) Inspector	Kenneth Greynolds	0	(c) Coal Less	see with Declaration	
Address	613 Broad Run Road		Name	gee with Beclaration	
ridaress	Jane Lew, WV 26378		Address		
Telephone	304-206-6613				
However, yo  Take notice accompanyin  Protection, v the Applicat	u are not required to take that under Chapter 22-6 on g documents for a permit with respect to the well at	any action at all.  of the West Virginia Cod to plug and abandon a virthe location described onen mailed by registered	le, the undersigned well o well with the Chief of the in the attached Application or certified mail or deli	perator proposes to file or has filed to Office of Oil and Gas, West Virginian and depicted on the attached Form vered by hand to the person(s) name	his Notice and Application and a Department of Environmental WW-6. Copies of this Notice,
		Well Operator	EQT Production Compa	any Oll	45/
O and a second second	vania Nietav Garli	By:	John Zavatchan	11	
Commonwealth of Pennsylv Olivia Pishioneri, No		Its:	Project Specialist - Perm	nitting /	
Allegheny Co	ounty	Address	400 Woodcliff Drive		
My commission expires ( Commission number			Canonsburg PA 15317		
Member, Pennsylvania Asso	The state of the s	Telephone	724-746-9073		RECEIVED Office of Oil and Gas
		0 m	10,0,10		JAN <b>2 4</b> 2020
Subscribed and s	sworn before me th	nisd	ay of Julia	Notary Public	
My Commission	Expires Och	ber 25	, 2023		Environmental Frotection

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 depprivacyoffier@wv.gov.

#### 47-091-00021

#### Owner(s) (Surface and Access)

Coal Quest Development LLC C/O Ark Land Company 10 Kenton Drive Charleston, WV 25311

#### Owner(s) (Access)

Bonnie L. Viani 1291 Knight Road Grafton, WV 26354

#### Coal Owner(s)

Coal Quest Development LLC C/O Ark Land Company 10 Kenton Drive Charleston, WV 25311

Arch Coal Inc. 1 City Place Drive Suite 300 St. Louis, MO 63141

#### Potential Water Owner(s)

N/A

606126 Bruce Mason #6126

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JAN 2 4 2020

WV Department of Environmental Protection

Member, Pennsylvania Association of Notaries

WW-9 (5/16)

API Number	47 -	091	_ 000	21	
Operator's W	ell N	060le	126 E	Bruce	Mason
			44	10171	

#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN	
Operator Name EQT Production Company OP Code 306686	
Watershed (HUC 10) Padds Run Quadrangle Fairmont East 7.5'	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes	No
Will a pit be used? Yes _ No _ No _	
If so, please describe anticipated pit waste: Formation Fluids	
Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20 ml	
Proposed Disposal Method For Treated Pit Wastes:	
Land Application (if selected provide a completed form WW-9-GPP)	
Underground Injection (UIC Permit Number	)
Reuse (at API Number Off Site Disposal (Supply form WW-9 for disposal location)	)
Other (Explain	
Will closed loop systembe 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, removed 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 Oil and Gas of any load of drill cuttings or associated West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permeter it was properly disposed.	nittee shall also disclose
I certify that I understand and agree to the terms and conditions of the GENERAL WATER PC on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Proteprovisions of the permit are enforceable by law. Violations of any term or condition of the general permit or regulation can lead to enforcement action.  I certify under penalty of law that I have personally examined and am familiar with the in application form and all attachments thereto and that, based on my inquiry of those individuals immediate the information, I believe that the information is true, accurate, and complete. I am aware that there submitting false information, including the possibility of fine or imprisonment.  Company Official Signature  Company Official Title Project Specialist - Permitting	ection. I understand that the t and/or other applicable law formation submitted on this ely responsible for o btaining
Qtn Lagrange	
Subscribed and sworn before me this day of, 2020	_
Notary Public	Commonwealth of Pennsylvania - Notar
My commission expires October 25, 2023	Olivia Pishioneri, Notary Public Allegheny County My commission expires October 25, Commission number 1359968

Operator's Well No. 606126 Bruce Mason #6126

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Te	emporary	Perma	nent
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Aslike Clover	5	Aslike Clover	5
Annual Rye	15		
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# 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

> > JAN 2 4 2020

WV Department of Environmental Protection

**Topo Quad:** Fairmont East 7.5' **Scale:** \_\_\_\_\_ 1" = 500' Taylor County: Date: November 8, 2019 District: **Booths Creek** Project No: \_\_\_\_206-13-00-16 Highway WV 606126 47-091-00021 (Bruce Mason #6126) Pit Location Map 47-091-00021 WV 606126 Existing Access Road NAD 27, North Zone N:320,009.42 E:1,825,696.58 **WGS 84 LEGEND** LAT:39.377062 LONG:-80.116405 Proposed Pit Location ELEV:1185.33' SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR:



### ALLEGHENY SURVEYS, INC.

1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

# **EQT Production Company**

**Topo Quad:** Fairmont East 7.5' **Scale:** 1" = 200' County: Taylor Date: November 8, 2019 District: Booths Creek Project No: 206-13-00-16 WV 606126 47-091-00021 (Bruce Mason #6126) Pit Location Map 47-091-00021 WV 606126 **Existing Access Road** NAD 27, North Zone N:320.009.42 E:1,825,696.58 **WGS 84 LEGEND** LAT:39.377062 LONG:-80.116405 Proposed Pit Location ELEV:1185.33' SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR:

# ALLEGHENY SURVEYS, INC.

1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

# **EQT Production Company**

Topo Quad: Fairmont East 7.5' **Scale:** 1" = 200' County: Taylor Date: November 8, 2019 District: Booths Creek **Project No:** 206-13-00-16 Topo WV 606126 47-091-00021 (Bruce Mason #6126) **LOD Location Map** 47-091-00021 WV 606126 **Existing Access Road** NAD 27, North Zone N:320,009.42 E:1,825,696.58 **WGS 84 LEGEND** LAT:39.377062 LONG:-80.116405 Limts of Disturbance ELEV:1185.33' SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606

237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

47-091-00021P Fairmont East 7.5' 1" = 2000' Topo Quad: Scale: November 8, 2019 Taylor County: Date: District: **Booths Creek** Project No: 206-13-00-16 Topo WV 606126 47-091-00021 (Bruce Mason #6126) CO RTE 14/5 Curry Ridge 47-091-00021 WV 606126 LOST RUN EXA SMALLWOOD RD Curry CO RTE 250/8 NAD 27, North Zone Ridge N:320,009.42 E:1,825,696.58 McGee **WGS 84** 



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**

LAT:39.377062 LONG:-80.116405 ELEV:1185.33'

Signature



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

API: 47-091-00021 WELL NO.: WV 606126 (Bruce Mason #6126)

FARM	NAME: Bruce Mason		
RESPO	NSIBLE PARTY NAME:	EQT Production Com	pany
COUNT	ΓY: Taylor	DISTRICT:_	Booths Creek
QUADE	RANGLE: Fairmont East 7.	5'	
SURFA	CE OWNER: Coal Quest De	evelopment LLC	
ROYAL	TY OWNER: Linda Ruther	ford, et al.	
UTM G	PS NORTHING: 4358993		
UTM G	PS EASTING: 576105	GPS ELEVAT	ION: 361m (1185ft)
preparing above we the follow 1.  2. 3.	height above mean sea level Accuracy to Datum – 3.05 r Data Collection Method: ey grade GPS	a plugging permit or as will not accept GPS of 7 North, Coordinate U (MSL) – meters.	ssigned API number on the coordinates that do not meet Units: meters, Altitude:
Марр	oing Grade GPS X :1		ential X
belief and	Letter size copy of the topo ersigned, hereby certify this da d shows all the information red d by the Office of Oil and Gas	ography map showing that is correct to the best puired by law and the r	g the well location. It of my knowledge and