

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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, August 16, 2021 WELL WORK PERMIT Horizontal 6A / New Drill

EQT PRODUCTION COMPANY 625 LIBERTY AVE., SUITE 1700 PITTSBURGH, PA 15222

Re: Permit approval for BIG245 114H 47-103-03446-00-00

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: BIG245 114H

Farm Name: ET BLUE GRASS LLC

U.S. WELL NUMBER: 47-103-03446-00-00

Horizontal 6A New Drill Date Issued: 8/16/2021

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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

- This proposed activity may require permit coverage from the United States Army Corps of Engineers
 (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed
 activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number: 4710303446
VS 4710303446

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

4.7 API NO. 47-	103	034	46
-		NO. 114H	
Well Pa	d Name:	_	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Operator: EQT	Production Compa	any	306686	Wetzel	Grant	Big Run		
1) Won Operator.	<u>·</u>		Operator ID	County	District	Quadrangle		
2) Operator's Well Number	er: 114H		Well Pad	Name:	BI	6245		
3) Farm Name/Surface Ov	wner: ET Blue Gra	ass I	LC Public Roa	d Access: CR	19/2			
4) Elevation, current grou	nd: 1430'	_ E	levation, proposed	post-construction	on: 1430'			
5) Well Type (a) Gas X Oil Underground Storage								
(b)If Gas	Shallow X Horizontal X		Deep					
6) Existing Pad: Yes or N	o Yes			-				
7) Proposed Target Forma Marcellus, 7,548', 19', 2		Antic	cipated Thickness a	nd Expected Pi	ressure(s):			
8) Proposed Total Vertica	ll Depth: 7,548'							
9) Formation at Total Ver		ellu	s					
10) Proposed Total Meas	ured Depth: 10,0	30						
11) Proposed Horizontal	Leg Length: 1,27	2'						
12) Approximate Fresh W	ater Strata Depths	:	243', 521', 676',	766', 1025'				
13) Method to Determine	Fresh Water Deptl	ns:	Offset Wells - 47-	103-00376 & 4	17-103-00	380		
14) Approximate Saltwat	er Depths: None							
15) Approximate Coal Se	eam Depths: 939'-	940'	, 1038'-1047', 113	7'-1143'		RECEIVED		
16) Approximate Depth t						Office of Oil and Gas		
17) Does Proposed well I directly overlying or adja	ocation contain coa	al sea		No		JUL 1 4 2021 WV Department or invironmental Protection		
(a) If Yes, provide Mine	e Info: Name:	Harı	rison Co. Mine					
	Depth:	300						
	Seam:	Pitts	sburgh					
	Owner:	ACI	NR Resources, Inc). 				

WW-6B
(04/15)

API NO. 47	
OPERATOR WELL N	O. 114H
Well Pad Name:	

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	A-500	85.6	40	40	50 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1193	1193	1000 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2651	2651	1000 ft^3 / CTS
Production	5 1/2	New	P-110	20	10030	10030	500' above intermediate casing
Tubing							
Liners							

Buyar Parun 7-12-21

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	26	30	0.312	1050	18	Class A	1.18
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A / Type 1	1.13 - 1.19
Coal							
Intermediate	9 5/8	12 3/8	0.352	3520	2816	Class A / Type 1	1.13 - 1.19
Production	5 1/2	8 1/2	0.361	14360	11488	Class A/H	1.04 - 2.10
Tubing							
Liners							

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PACKERS

Kind:

Sizes:

Depths Set:

WW-6B
(10/14)

API NO. 47	
OPERATOR WELL	VO. 114H
Well Pad Name: _	

19)	Describe r	roposed wel	l work,	including	the drilling	and plu	ugging	back of	any pilot l	<u> 10le:</u>
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Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical, kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.1%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10,000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 350,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000-600,000 pounds of proppant per stage.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 44.22
- 22) Area to be disturbed for well pad only, less access road (acres): 43.58
- 23) Describe centralizer placement for each casing string:
- Surface: Bow spring centralizers One centralizer at the shoe and one spaced every 500'.
- Intermediate: Bow spring centralizers One centralizer at the shoe and one spaced every 500'.
- Production: One solid body centralizer spaced every joint from production casing shoe to KOP.

24) Describe all cement additives associated with each cement type:

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Conductor: Class A no additives

Surface: Calcium Chloride. Used to speed the setting of cement slurries

Intermediate: Calcium Chloride. Used to speed the setting of cement slurries.

Production: Calcium Carbonate, Fluid Loss, Extender, Dispersent, Viscosifier, Defoamer, POZ, Bonding Agent, Remarks Protection Environmental Protection

Anti-Settling/Suspension Agent

JUL 1 4 2021

25) Proposed borehole conditioning procedures:

Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.

Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.

Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

^{*}Note: Attach additional sheets as needed.



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 dep.wv.gov

March 18, 2014

Nabors Completion & Production Services Company 1380 Route 286 Hwy E #121 Indiana PA 15701

Re: Cement Variance Request

Dear Sir or Madam.

This agency is approving a variance request for the cement blend listed below to be used on surface and coal protection strings for the drilling of oil and gas wells in the state of West Virginia. The variance cannot be used without requesting its use on a permit application and approval by this agency:

Type 1 (2% Calcium Chloride-Accelerator, 0.25% Super Flake-Lost Circulation, 5.2% Water, 94% Type "1" Cement)

If you have any questions regarding this matter feel free to contact me at 304-926-0499, ext. 1653.

Sincerely

James Peterson

Environmental Resources Specialist / Permitting

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WV Department of Environmental Protection

Promoting a healthy environment.



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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 dep.wv.gov

BEFORE THE OFFICE OF OIL AND GAS DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE OF WEST VIRGINIA

IN THE MATTER OF A VARIANCE FROM)	ORDER NO.	2014 - 17
REGULATION 35 CSR § 4-11.4/11.5/14.1)		
AND 35 CSR § 8-9.2.h. 4/5/6/8 OF THE)		
THE OPERATIONAL)		
REGULATIONS OF CEMENTING OIL)		
AND GAS WELLS)		

REPORT OF THE OFFICE

Nabors Completion & Production Services Co. requests approval of a different cement blend for use in cementing surface and coal protection easing of oil and gas wells.

FINDINGS OF FACT

- 1.) Nabors Completion & Production Services Co. proposes the following cement blend:
 - 2% Calcium Chloride (Accelerator)
 - 0.25 % Super Flake (Lost Circulation)
 - 94% Type "1" Cement
 - 5.20 % Water
- Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500
 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24
 hours

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CONCLUSIONS OF LAW

Pursuant to Articles 6 and 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to 35 CSR § 4-11.5 and 35 CSR § 8-9.2.h.8 the Chief of the Office of Oil and Gas may approve different cement blends upon the well operator providing satisfactory proof that different cement types are adequate.

ORDER

It is ordered that Nabors Completion & Production Services Co. may use the cement blend listed in Findings of Fact No.1 for the cementing of surface and coal protection easing of oil and gas wells in the State as may be requested by oil and gas operators. The waiting time on the cement blend shall be 8 hours. The cement blend shall be mixed in strict accordance with the specifications for each blend and weight measurements made on-site to assure the cement slurries meet the minimum weight specifications. A sample shall be collected and, if after 8 hours the cement is not set up, additional time will be required. Nabors Completion & Production Services Co. shall keep a record of cement blend jobs in which the cement blend approved under this order is to be used and made available to the Office of Oil and Gas upon request.

Dated this, the 18th day of March, 2014.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oil and Gas

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JUL 1 4 7021

Wellbore Diagram EQT Production Wetzel County: BIG 245 114H Well: West Virginia **BIG 245** State: Pad: Elevation: 1430' GL 1443' KB 4710303446 Conductor @ 40' 26", 85.6#, A-500, cement to surface w/ Class A 1,193' Surface @ 13-3/8", 54.5#, J-55, cement to surface w/ Class A/Type I 2,651' Intermediate 9-5/8", 36#, J-55, cement to surface w/ Class A/Type I RECEIVED Office of Oil and Gas JUL 14 2021 WV Department of Environmental Protection 10,030' MD / 7,548' TVD **Production** 5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H Formation: Marcellus 08N207/TO28CALE



EQT PRODUCTION COMPANY 400 Woodcliff Drive | Canonsburg, PA 15317 P: 724-746-9073 | www.eqt.com

July 6, 2021

Mr. Taylor Brewer West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re: Casing on BIG245 114H

Dear Mr. Brewer,

The 13-3/8" surface casing will be set at 1/193' KB, 50' below the deepest workable coal seam and 168' below the deepest fresh water. The 9-5/8" intermediate string will be set at 2/651' KB, 50' below the base of the Big Injun formation.

If you have any questions, please do not hesitate to contact me at 724-746-9073.

Sincerely,

John Zavatchan

Project Specialist - Permitting

Enc.

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WEST VIRGINIA GEOLOGICAL PROGNOSIS

Horizontal Well BIG245 S-000221

Drilling Objectives:

Marcellus

County: Quad:

Wetzel Big Run

Elevation:

1443 KB

1430 GL

Recommended Azimuth

TBD Degrees

Recommended LP to TD: TBD

Proposed Logging Suite:

Not needed

ESTIMATED FORMATION TOPS

Formation	1			Top (TVD)	Base (TVD)	Lithology	Comments		
Fresh Water Zor	ie.			1	1025		FW at 243.521.676.766.1025.		
Waynesburg Co	al			939	940 Co	al			
Mapletown Coa	1			1038	1047 Co	al			
Pittsburgh Coal				1137	1143 Co	al	There are no known past, present, or future mining and/or permits		
STORAGE ZO	NE			2383	2439 Sar	ndstone	STORAGE ZONE		
Maxton				2310	2351 Sar	ndstone	Base of Offset Well Perforations at 1171' TVD		
Big Lime				2364	2434 Lin	nestone			
Big Injun				2434	2601 Sar	ndstone			
Int (asing			2651					
Weir				2770	2810 Sili	ty Sand			
Top Devonian				2986					
Gordon				3168	3207 Sill	ty Sand			
Forth Sand				3226	3270 Sili	ty Sand			
Bayard				3274	3504 Sili	ty Sand			
Speechley				3896	4118 Sili	ty Sand			Base RR
Riley				4689	4921 Sili	ty Sand		225	
Benson				5385	5533 Sili	ty Sand		273	
Alexander				5847	6163 Sill	ty Sand		288	
Elks	100			6163	7068 Gra	ay Shales and Silts		320	
Sonyea	9		0	7068	7145 Gra	ay shale		381	391
Middlesex	WV Depart	=	Office	7233	7285 Sha	ale	Depth as seen on Previous BIG 245 Well H17	491	503
Genesee	100	JUL	6 7	7285	7372 Gra	ay shale interbedded	Depth as seen on Previous BIG 245 Well H17	563	
Geneseo	10	James .	of G	7372	7395 Bla	ack Shale	Depth as seen on Previous BIG 245 Well H17	820	
Tully	WV Department o	200	RECEIVED ce of Oil and	7395	7418 Lin	nestone	Depth as seen on Previous BIG 245 Well III7	825	
Hamilton	FF		音乐	7418	7512 Gra	ay shale with some	Depth as seen on Previous BIG 245 Well H17	858	
Marcellus	8	702	0.0	7512	7531 Bla		Depth as seen on Previous BIG 245 Well H17	976	981
Purcell	80	~	3	7531	7533 Lin	nestone	Depth as seen on Previous BIG 245 Well H17		
Lateral Zone					7548				
Cherry Valle	y			7543	7545 Lin	nestone			
Onondaga				7565	Lin	nestone			

		Red Rock
976	981	Base of
858	865	
825	831	
820	829	
563	583	
491	503	
381	391	

Target Thickness

19 feet

Note that this is a TVD prog for a horizontal well (azimuth of TBD degrees; target formation = Marcellus). All measurements taken from estimated KB elevation. Water and coal information estimated from surrounding well data.

Intermediate casing point is recommended 50' beneath the Big Injun to shut off any water production from the Upper Devonian sands. Keener storage zone from 2369' to 2425' MD, please take all necessary precautions while drilling!! Intermediate casing should be cemented into the surface string, per WV regulations.

RECOMMENDED CASING POINTS

Fresh Water/Coal	CSG OD	13 3/8	CSG DEPTH:	1193	50' below Pittsburgh
Intermediate 1:	CSG OD	9 5/8	CSG DEPTH:	2651	50' below Big Injun
Production:	CSG OD	5 1/2	CSG DEPTH: @ TI	D	

EQT Production

Hydraulic Fracturing Monitoring Plan

Pad ID: BIG245

County: Wetzel

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WV Department of Environmental Protection

July 9, 2021

Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Wetzel County, WV prior to hydraulic fracturing at the following EQT wells on the BIG245 pad: 102H, 104H, 106H, 108H, 110H, 112H & 114H.

Due to the requirements under 35CSR8 5.11, the permittee is required to review the area surrounding the proposed well pad so as to identify and evaluate potential conduits for unintended fracture propagation.

A report is required to be submitted along with a well work permit application.

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include coordination with well operators of the timing and location of the hydraulic fracturing, establishment of measures well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known wells and well operators within 500 feet of this pad and the lateral sections that are known or could reasonably be expected to be within range of the fracture propagation. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with CEIVED them throughout the fracturing process.

EQT will recommend to these operators at a minimum to:

JUL 14 2021

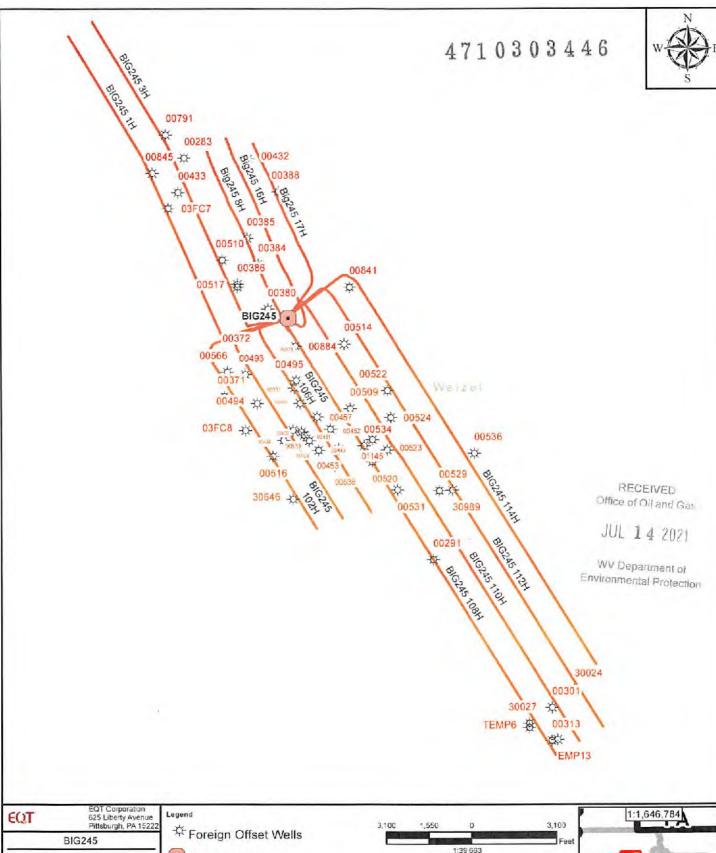
WV Department of Environmental Protection

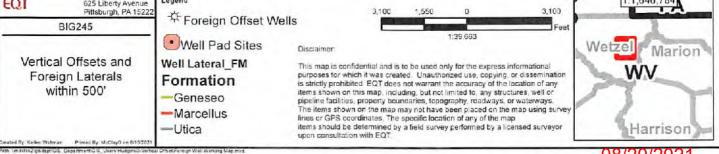
- 1. Inspect their surface equipment prior to fracturing to establish integrity and establish prefrac well conditions
- 2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
- 3. Inspect or install master valves or other necessary equipment for wellhead integrity capable of a pressure recommended by EQT
- Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

2. Reporting

EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

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WelliD	WellStatus	date	FmatTD	Permit	Operator		Lo	ongitude	Latitude	TargetFm	DatumEleva	TotalDepth-SS	Total Depth
4710300283	GAS	3/24/1943		00283	EPC			-80.5821	39.6113		1190.0000	-2099.0000	3289.0000
4710300291	GAS-P	1/24/1944		00291	CARNEGIE NA	T GAS		-80.5503	39.5711		1205.0000	-2129.0000	3334.0000
4710300301	GAS	1/11/1944		00301	CNG			-80.5351	39.5563		933.0000	282.0000	651.0000
4710300313	GAS-P	7/24/1944		00313	CNG			-80.5352	39.5530		911.0000	284.0000	627.0000
4710300331	GAS	11/17/1903		00331	PGH & WV GA	NS		-80.5680	39.5883		1109.0000	-1176.0000	2285.0000
4710300371	GAS	2/26/1951		00371	FOSTER MCKE	NZIE		-80.5771	39.5875		825.0000	295.0000	530.0000
4710300372	GAS-P	3/10/1951		00372	FOSTER MCKE	NZIE		-80.5773	39.5917		842.0000	299.0000	543.0000
4710300376	GAS	4/11/1952		00376	P C MCKENZIE	:		-80.5698	39.5907		1265.0000	257.0000	1008.0000
4710300380	DRY	5/23/1952		00380	P C MCKENZIE	:		-80.5714	39.5962		1267.0000	132.0000	1135.0000
4710300384	GAS	5/27/1953		00384	P C MCKENZIE	Ξ		-80.5726	39.6007		855.0000	270.0000	585.0000
4710300385	GAS	7/4/1953		00385	P C MCKENZIE	•		-80.5740	39.6032		905.0000	258.0000	647.0000
4710300386	GAS	6/16/1953		00386	EPC			-80.5753	39.5987		847.0000	277.0000	570.0000
4710300388	GAS	10/24/1953		00388	P C MCKENZIE	•		-80.5699	39.6079		938.0000	272.0000	666.0000
4710300432	DRY	6/22/1956		00432	P C MCKENZIE	:		-80.5738	39.6112		994.0000	-501.0000	1495.0000
4710300433	GAS	8/17/1956		00433	P C MCKENZIE	Ξ		-80.5829	39.6079		1509.0000	274.0000	1235.0000
4710300449	GAS	6/15/1957		00449	NORTH FORK	DEVEL	OP	-80.5650	39.5821		825.0000	288.0000	537.0000
4710300451	GAS	7/7/1957		00451	NORTH FORK	DEVEL	OP	-80.5669	39.5836		817.0000	288.0000	529.0000
4710300452	GAS	8/9/1957		00452	NORTH FORK	DEVEL	OP	-80.5635	39.5842		886.0000	272.0000	614.0000
4710300453	DRY	10/5/1957		00453	NORTH FORK	DEVEL	OP	-80.5624	39.5822		979.0000	254.0000	725.0000
4710300457	DRY	1/5/1958		00457	NORTH FORK	DEVEL	OP		39.5854		1108.0000	249.0000	859.0000
4710300493	STORAGE	3/8/1963		00493	EPC				39.5897		1163.0000	-995.0000	2158.0000
4710300494	STORAGE	11/8/1961		00494	EPC			-80.5729	39.5868		1086.0000	-1002.0000	2088.0000
4710300495	STORAGE	3/15/1963		00495				-80.5678	39.5890		1109.0000		2120.0000
4710300496	STORAGE	11/16/1961		00496					39.5868		844.0000		2541.0000
4710300499	STORAGE	10/11/1961		00499				-80.5695	39.5831		923.0000		1892.0000
4710300509	STORAGE	1/3/1963		00509	EPC				39.5862		1155.0000		2295.0000
4710300510	GAS	8/29/1961		00510	PEMCO GAS				39.6011		934.0000		662.0000
4710300514	STORAGE	5/17/1962		00514	EPC			-80.5616	39.5927		1107.0000		2092.0000
4710300516	STORAGE	6/6/1962		00516					39.5815		1034.0000		2015.0000
4710300517	STORAGE	6/20/1962		00517					39.5984		869.0000		1844.0000
4710300520	STORAGE	11/14/1963		00520					39.5809		937.0000		2025.0000
4710300522	STORAGE	7/24/1962		00522					39.5880		1221.0000		3151.0000
4710300523	STORAGE	1/2/1963		00523					39.5821		846.0000		1856.0000
4710300524	STORAGE	10/24/1962		00524	Ebc 🗓		_		39.5853		972.0000		
4710300529	STORAGE	5/1/1963		00529	EPC 중 동	<u>_</u>	Office		39.5780		1200.0000		
4710300531	STORAGE	8/10/1979		00531	EPC	JUL	<u>8</u> 20	-80.5549	39.5781		1098.0000		
4710300533	STORAGE	12/13/1962		00533	EPC 🚊 🛱		웃낁		39.5841		829.0000		
4710300534	STORAGE	6/9/1979		00534	WV Department of twironmental Protection EPC PC P	4	SE E		39.5825		1067.0000		
4710300536	STORAGE	5/17/1963		00536	EPC 질혈	202	E E		39.5817		1208.0000		
4710300538	STORAGE	7/31/1963		00538	rtment of BPC EPC EPC)21	RECEIVED of Oil and Gas	-80.5629	39.5805		836.0000	-1014.0000	1850.0000
					ion		S						

Member, Pennsylvania Association of Notaries

WW-9 (4/16)

API Number 47 -	4
Ossestania Wall	No picare and

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

FLUIDS/ CUTTING	35 DISPOSAL & RECLAMATION FLAN
Operator Name EQT Production Company	OP Code 306686
Watershed (HUC 10) Rockcamp Run of Willey Fork	Quadrangle Big Run
Do you anticipate using more than 5,000 bbls of water Will a pit be used? Yes No V	to complete the proposed well work? Yes No
If so, please describe anticipated pit waste:	N/A
Will a synthetic liner be used in the pit? Yes	No ✓ If so, what ml.? N/A
Proposed Disposal Method For Treated Pit W	astes:
Land Application	
	C Permit Number 0014, 8462, 4037
Reuse (at API Number_var	
Off Site Disposal (Supply f	Form WW-9 for disposal location)
Will closed loop system be used? If so, describe: Yes,	The closed loop system will remove drill cuttings from the drilling fluid. The drill cuttings are prepared for transportation to an off-site disposal facility.
Drilling medium anticipated for this well (vertical and	horizontal)? Air, freshwater, oil based, etc. See Attached
-If oil based, what type? Synthetic, petroleun	n, etc. Synthetic Mud
Additives to be used in drilling medium? See Attached	i .
Drill cuttings disposal method? Leave in pit, landfill,	
-If left in pit and plan to solidify what medium	
-Landfill or offsite name/permit number? Se	e Attached List
Permittee shall provide written notice to the Office of West Virginia solid waste facility. The notice shall be where it was properly disposed.	Oil and Gas of any load of drill cuttings or associated waste rejected at any provided within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the provisions of the permit are enforceable by law. Vio law or regulation can lead to enforcement action. I certify under penalty of law that I have p application form and all attachments thereto and the	Office of the 200 state
Company Official (Typed Name) John Zavatchan	JUL 13 (891
Company Official Title Project Specialist - Permitting	WV Department of Environmental Protection
Subscribed and swofin before me this 13th	day of July , 20 Z
Rebelly X	Notary Public Commonwealth of Pennsylvania - Notary Rebecca Shrum, Notary Public
My commission expires March 9, 2024	My commission expires March 9, 20

orm ww-9		Operator's Well No. BIG245 114H				
QT Production Co	mpany					
roposed Revegetation Treat	ment: Acres Disturbed	Prevegetation pH				
Lime 3	Tons/acre or to correct to	_{pH} 6.5				
Fertilizer type Gra	nular 10-20-20	-				
Fertilizer amount_5	00	_lbs/acre				
Mulch 2	Tor	ns/acre				
	<u>s</u>	Seed Mixtures				
Те	mporary	Perma	nent			
Seed Type	lbs/acre	Seed Type	lbs/acre			
KY-31	40	Orchard Grass	15			
Alsike Clover	5	Alsike Clover	5			
Annual Rye	15					
Photocopied section of invol	.,					
Plan Approved by:	yar tarin	areas as soon as reason	ahly nossible			
Comments: Pre-seed/		areas as sour as reason	Manual			
per regulation. U	pgrade E&S as nece	essary per WV DEP E&S	Maridai.			
			RECEIVED Office of Oil and Gr			
			JUL 1 4 702			
			WV Department o			
			Environmenta: Protet			
Title: Inspector	2	Date: 7-12-2				
,						

WW-9 Attachment

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

 Air is used to drill the top-hole sections of the wellbore (surface, intermediate, and pilot). Water based mud may be necessary depending on hole conditions to stabilize and drill the intermediate section. The pilot hole, curve, and lateral sections will be drilled with either air, water based mud, or synthetic mud.

Additives to be used in drilling medium?

- Air biodegradable oil lubricant, detergent, defoaming, water.
- Water based mud Barite, viscosifer, alkalinity control, lime, filtration control, deflocculates, biodegradable oil lubricant, defoaming, walnut shell, salt, x-cide, carbonates.
- Synthetic mud synthetic base oil, emulsifier, salt, lime, viscosifer, alkalinity control, filtration control, deflocculates, biodegradable oil lubricant, defoaming, carbonates.



			Production Water Plan						
Facility Name	Address		osals for Unconvention		Trin	Bhone	Country	Ctata	Dormit Street or
		Address 2	City	State	Zip	Phone	County	State	Permit Number
CWS Trucking Inc.	P.O. Box 391		Williamstown	_ wv	26187	740-516-3586	Noble	ОН	3390
Broad Street Energy LLC	37 West Broad Street	Suite 1100	Columbus	ОН	43215	740-516-5381	Washingoto	ОН	8462
orogo overer energy ene	37 West orded Street	3416 1100	Coldilibus	1011	43213	740-310-3361	vvasimigotii	On .	0402
AD Liquid Assets Disposal Inc.	226 Rankin Road		Washington	PA	15301	724-350-2760	Chio	wv	USEPA WV 0014
						1			
Triad Energy	PO Box 430		Reno	ОН	45773	740-516-6021	Noble	ОН	4037
						740-374-2940			
Fri County Waste Water Management, Inc.	1487 Toms Run Road		Holbrook	PA	15341	724-627-7178	Greene	PA	TC-1009
						724-499-5647		<u> </u>	
King Excavating Co. Advance Waste Services	101 River Park Drive		New Castle	-	16101	 	1	0.4	040000000122
THE EXCEPTION CO. AUTOMICE TRASLE SELVICES	101 RIVER PAIR DRIVE		New Castle	PA	16101	 	Lawrence	PA	PAR000029132
Waste Management - Meadowfill Landfill	Rt. 2, Box 68 Dawson Drive		Bridgeport	-lw	16330	304-326-6027	Harrison	wv	SWF-1032-98
	THE E, CON OF PURSON PRINC		Биавероге	1,,,,	10330	304-320-0027	110113011	-	Approval #100785WV
		_			 			i	1,451.00.00.00
Waste Management - Northwestern Landfill	512 E. Dry Road		Parkersburg	wv	26104	304-428-0602	Wood	w	SWF-1025 WV-0109400
APEX Landfill	11 County Road 78	PO Box 57	Amsterdam	OH	43903	740-543-4389	Jefferson	ОН	06-08438
Advanced Disposal - Chestnut Valley Landfill	1184 McClellandtown Road		McClellandtown	PA	15458	724-437-7336	Fayette	PA	100419
Mantanagaland Caritana Landfill	004 T (9)							2.	
Westmoreland Sanitary Landfill	901 Tyrol Boulevard		Belle Vernon	PA	15012	724-929-7694	Westmoreland	PA	100277
Austin Master Services	801 North 1st Street		Martine Form	ОН	43935	740 600 3900	Polmont	ОН	2014 541
MUSICI SELVICES	aor North 1st street	-	Martins Ferry	- On	43935	740-609-3800	Beimont	UH	2014-541
Belmont Solids Control	77505 Cadiz-New Athers Road		Cadiz	ОН	43907	740-942-1739	Harrison	ОН	2015-511
				 	13307	1740-542-2755	110113011	 	2013-311
Diversified Resources	3111 Braun Rd.		Belpre	ОН	45714	740-401-0413	Washington	ОН	
				T					
						740-610-1512			34-031-27177
			Coshocton	ОН	43812	724-591-4393		ОН	34-031-27178
Buckeye Brine	23986 Airport Road					724-331-4333	Coshocton		34-031-27241
					L				
entral Environmental Services	28333 West Belpre Pike		Coolville	ОН	45723	304-488-0701	Athens	ОН	
luverra - Nichols	10555 Veto Road		Dologo	ОН	45714	220 222 5044	144	011	24 110 2 0776
Adversa - Michols	10353 VEIO KOBO		Belpre	Un	45714	330-232-5041	Washington	ОН	34-119-2-8776
luverra - Goff	9350 East Pike Road	 	Norwich	ОН	43767	330-232-5041	Muskingum	ОН	34-167-2-3862
	2000 2001 1 112 11000	_	- Northean	10	13,0,	330-232-3041	I I I I I I I I I I I I I I I I I I I	-	34-107-2-3002
luverra - Wolf	5480 State Route 5		Newton Falls	ОН	44444	330-232-5041	Trumbull	ОН	34-155-2-1893
					1				
luverra - Pander 📺	5310 State Route 5		Newton Falls	ОН	44444	330-232-5041	Trumbull	ОН	34-155-2-3795
2 . 0									
	3549 Warner Road		Fowler	ОН	44418	330-232-5041	Trumbull	ОН	34-155-2-2403
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Deep Rock Disposal	2341 OH-821	Marietta	ОН	45750	304-629-0176	Washington	ОН	34-167-2-9766
etta enterprises - WV	36 Technology Dr.	i indelpilla	1000	20039	740-233-3727	Onio		
Petta Enterprises - WV	38 Technology Dr.	Tridelphia	wv	26059	740-255-5727	Ohio	w	
Petta Enterprises - OH	745 North 3rd Street	Cambridge	ОН	43725	614-477-1368	Guernsey	ОН	Ohio Chiefs Order 25-019
FQ Mills	53610 TS Rd 706			1		Meigs		34-105-2-3651
EQ Máille	52510 TS D4 705	Portland	ОН	45770	740-374-2940 412-443-4397 740-236-2135		ОН	34-105-2-3619 34-105-2-3652 34-105-2-3637
FQ Ritchie	122 Lonesome Pine Rd	Ellenboro	wv	26346	412-443-4397 740-236-2135	Ritchie	w	47-085-09721
					740-374-2940			
FQ Dexter	38505 Marietta Rd.	Dexter City	ОН	45727	740-374-2940 412-443-4397 740-236-2135	Noble	ОН	34-121-24037 34-121-24086
FQ Helen	199 Bowersock Road	Reno	ОН	45773	412-443-4397 740-236-2135	Washington	ОН	34-167-2-9577
		1	1		740-374-2940	l	T	

RECEIVED Office of Oil and Gas JUL 14 2021



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Bujar Ham 7-12-21

SITE SAFETY AND ENVIRONMENTAL PLAN

BIG245 Pad

Burton Wetzel County, WV

Prepared By: Donny Prater, CSP, Health and Safety Sciences, LLC

Approved By: Scott M. Held, Senior Safety Coordinator

Created Date: 29-Jan-20

Existing Wells:

Proposed Wells:

BIG245H8 - 47-103-03234

BIG245 1H, BIG245 3H, BIG245 102H, BIG245 104H

BIG245H16 - 47-103-03235

BIG245 106H, BIG245 108H, BIG245110H,

BIG245H17 - 47-103-03236

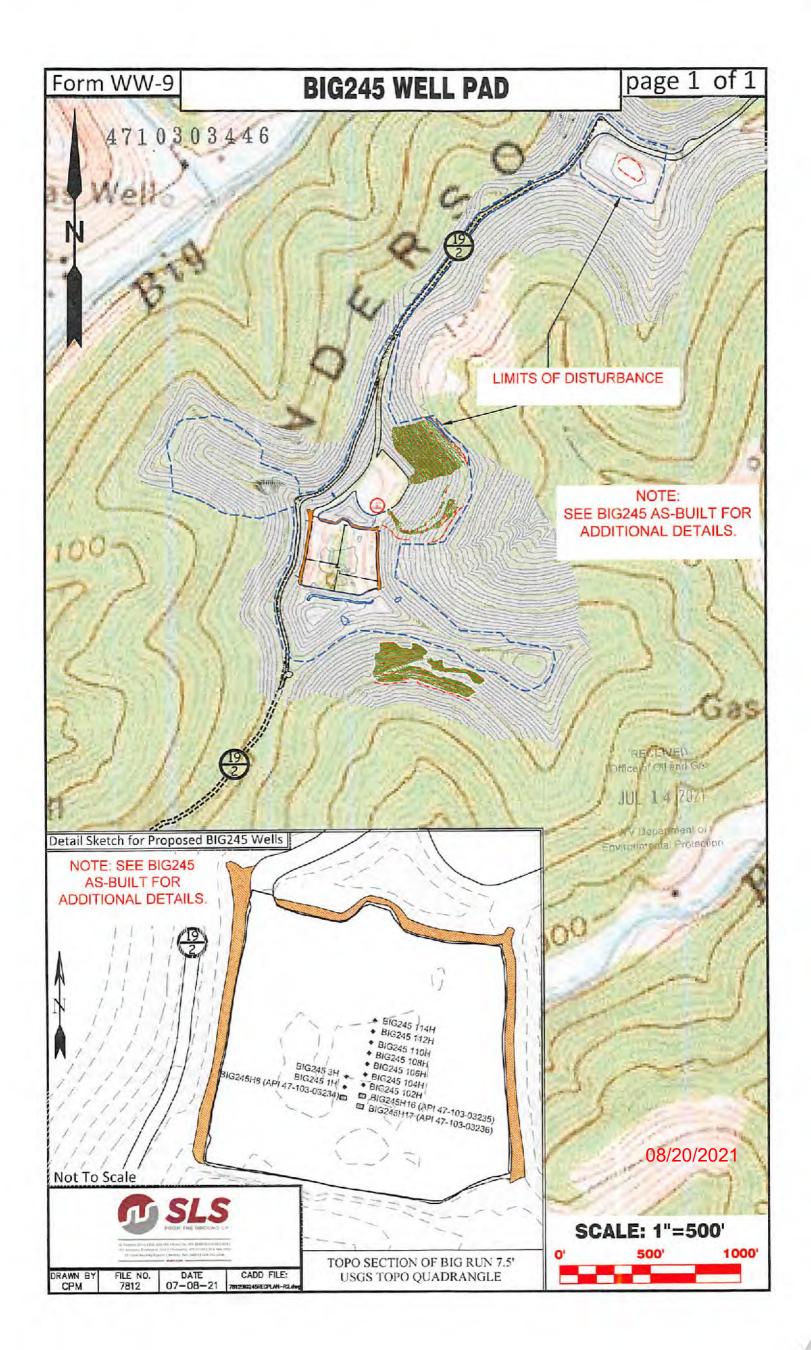
BIG245 112H, BIG245 114H

John Zavatchan

EQT Production Co.

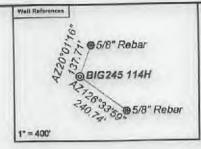
Bryan Harris

WVDEP Oil and Gas Inspector



BIG245 114H **BIG245**

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	0	22	Wetzel.	Chart	ET Blue Green LLC	138.93
7	8	18	Wetzel	Grant	John Michael Byard	71.60
1	ė.	28	Wetzei	Grant	James A. Yoho	81,00
	it.	20	Wetzel	Grant	Mary Jane Byert	15.00
5	R	32	Weizel	Grant	Joe Pigg	#2.40
6	ū .	26	Weizel	Grant	Sheelyn Sokler	55.52
7	0	40	Wetzel	Grant	Sherilyn Snider	24.00
8	0	57	Wetzel	Grant	Norman Derby	61,51
0	14		Wetzei	Grant	Esther R. Coan	59.50
10	14	10	Wetzel	Grant	John W. Wycoff & Carolyn S. McGill	29,00
11	14	18	Weitzel	Grant	John W. Wyosff & Carolyn S. McG6	66.70
12	14	23.	Wetzel	Grant	Equitans LP	51 00
13	14	38	Wetzel	Grant	Dale C. Eastham, et al	57.00
14	8	13.1	Wetzwi	Grant	Duarse M. Goodrich	3.56
15	8	7	Wetzel	Orant	James E. & Mortin A. Stoneking	19.12
16	8		Wetzni	Grant	Wanda L. Byard	59.16
17	9	22	Watzal	Grant	James A. Yoho	17,60
_	_	-	_		James A. Yoho	6.25
18	В	25	Wetzsk	Grant	Date K. Dulaney, et al.	70,81
19	8	21	Wetzui	Orant	Ponsis M. Herthorns	83.50
20	1	11.	Wetzel	Grant.		_
21	9	63	Wetzsi	Grant	Mary E. Wight, et al.	48.00
22		27	Weizel	Genet	James A. Yoho	21.75
23	D	13	Wetzel	Grant	James A. Yoho	27.00
24.	B	17	Wetzel	Direct	Lossie Watson	20.00
25	0	21	Wetzel	Orant.	Stephen B. A. Carolyn M. Gentz	119.00
75	0	29	Wetzel	Cirent	William & Margaret Schleicher	47.00
27	8	53	Wetzel	Grant	H. Dorn Higgenbetram	100.2
28	8	26	Weizel	Grant	James A. Yoho	23.25
29	8	-83	Weigel	Grant	Mary E. Wright, et al.	4.75
30	8	. 9	Wetzel	Grans	Mary E. Wright, et al.	24.00
31	.0	50.	Wedne	Grant	Norman R. & Vivien L. Darby	32.90
32	4	13	Wetzel	Grant	Olive Marie Utt	15.17
35	0.	0	Wetzel	Grant	James A. Yoho	45 OE
34	0	9	Watze	Grant	Wanda Wiley, et al.	11.30
35		54	Websel	Grant	Jack I., & Learna C. Barnette	17.40
26	14	0	Wetpal	Grant	Leonard Rice	55.00
37	14	91	Wetzel.	Grant	Thomas J. Parks, et al.	54.44
38.	16	10	Wetzei	Grant	Coastal Forest Resources Company	138.6
30	0	15	Wetzel	Cirani	Opal Stoneking Estate	8,82
40	0	-41	Wetzel	Grant	William Schleicher	11.66
41	14	22	Wetzel	Grant	John W. Wycoff & Carolyn S, McGill	48.00
42	14	25	Wetzel	Grant	Clara Snodgrass	35 M
13	14	24	Wetzel	Grant	EQT Production Company	10.20
44	14	20	Wetzel	Grant	EQT Production Company	50.50
45	34	37	Wetzel	Grant	EQT Production Company	36.50
46	14	29	Wetzel	Grant	ET Blue Grass, LLG	17.00
47	0	42	_	Grant	The second secon	2.00
48	9	43	Wetzel.		Jack L. & Leanna C. Barnetto Norman R. & Wealn L. Darby	-
40	_	45	Wetzel	Cirant	Dewayne & Patricia L. Morts	14.40
	0	-	Wetzel	Grani		10.05
90	-0	55	Wetzel	Grant	Jack L. & Learne G. Barnetto	18.40
51	9	56	Wetzul	Grant	Leonard E. & Edwin C. Rice	16.50
82	14	1	Wetze	Grant	Leonard E. & Edwin C. Rice	21.0
53	14	12	Wetzel	Grant	Thomas J. Parks, at al.	16.00
54	14	10.1	Wetzel	Grant	Thomas J. Parks, et al.	10.83
65.	14	14	Wetzel	Grant.	Mary Yost, et al.	21.00
96	14	13	Wetzel	Grant	Constal Forest Resources Company	2.50
57	14	15	Wetzel	Gruet	Coastal Forest Resources Company	26,00
58	14	26	Wetzel	Grant	Mary J. Byard	14.50
50	3	31	Wetzel	Grant	Ralph D. Thacker, et al.	27.50



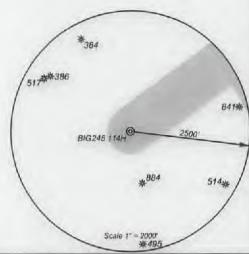
Notes: BIG245 114H coordinates are NAD 27 N: 400,782.68 E: 1,698,796.24 NAD 27 Lat: 39.595462 Long: -80.568882 NAD 83 UTM N: 4,382,957.05 E: 537,032,56

NAD 83 UTM N: 4,382,957.05 E: 537,032,56
BIG245 114H Landing Point coordinates are
NAD 27 N: 401,854.60 E: 1,701,409.84
NAD 27 Lat: 39,598490 Long: -80,559653
NAD 83 UTM N: 4,383,296,94 E: 537,823,40
BIG245 114H Bottom Hole coordinales are
NAD 27 N: 400,764.37 E: 1,702,084,94
NAD 27 Lat: 39,595518 Long: -80,557283
NAD 83 UTM N: 4,382,988,12 E: 538,028,52
West Virginia Coordinate system of 1927 (North Zone)
based upon Differential GPS Measurements.
Plat orientation, comer and well ties are based upon
the grid north meridian.
Well location references are based upon the grid north
meridian.

UTM coordinates are NAD83, Zone 17, Meters

BIG245	© monde dadil
	⊕ BIG245 114H
	◎ BIG245 112H
	⊚ BIG245 110H
	⊚ BIG245 108H
	⊚ BIG245 106H
	⊘ BIG245 104H
	⊘ BIG245 102H
47-103-03234©	@ 47-103-03235
	@47-103-03236

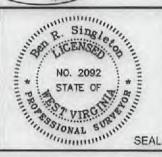
Lease No.	Owner	Acres
169210000	Liberty Holding Company, Inc.	71.5
125385	Kathy Lee Longwell, et al.	61
125371	Joseph F. Kiger, et al.	46





I, the undersigned, hereby certify that this plat 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 Department of Environmental Protection.

P.S. 2092

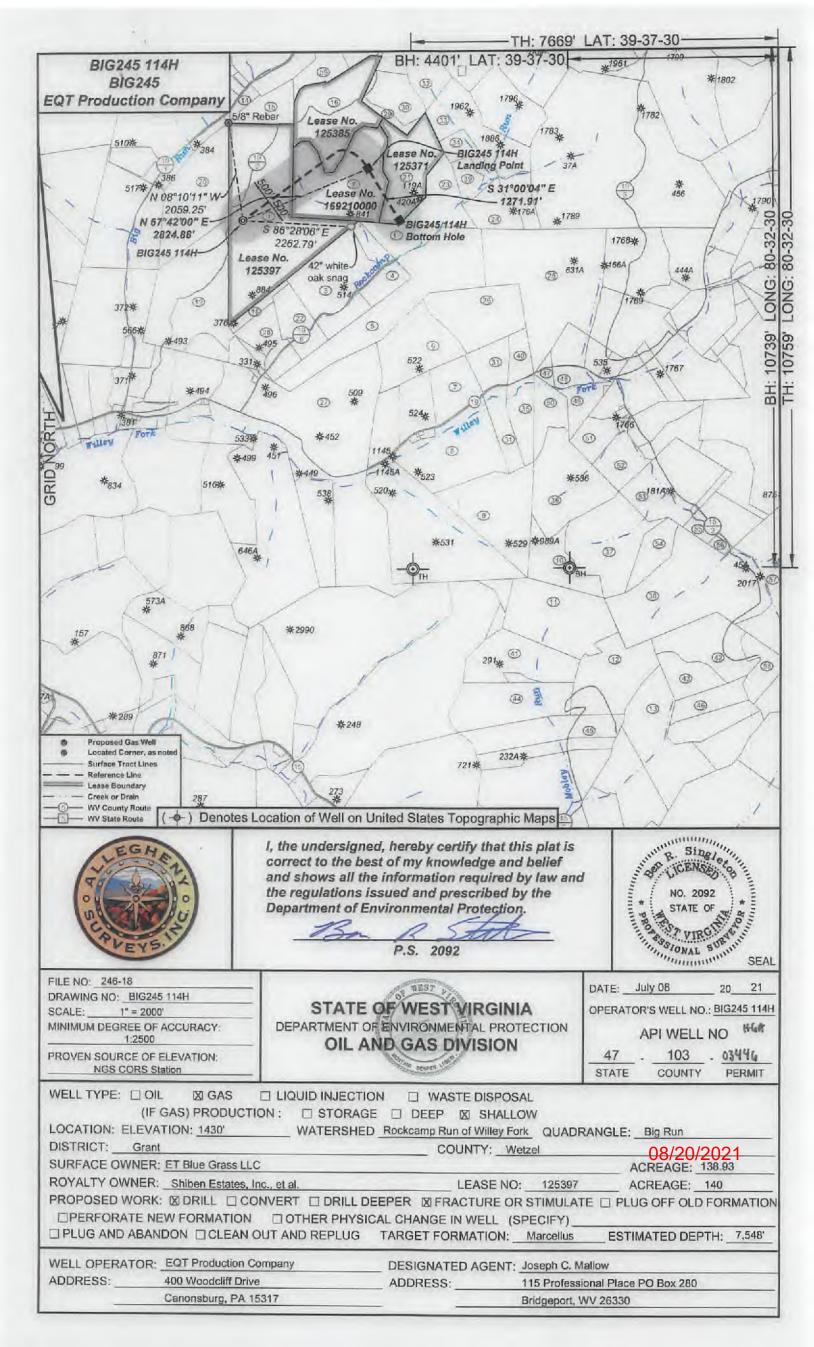


ILE NO: 246-18	and the second
DRAWING NO: BIG245 114H	OS BOOK CO
SCALE: 1" = 2000'	STATE OF WEST VIRGINIA
MINIMUM DEGREE OF ACCURACY: 1:2500	OIL AND GAS DIVISION
PROVEN SOURCE OF ELEVATION: NGS CORS Station	OIL AIND GAS DIVISION

OPERAT	OR'S	WELL N	O.: E	IG2	45 114H
	AF	WELI	LN	0	1144
47	-	103	-	03	446

DATE: July 08

NGS CORS Sta	ition	STREET, STREET	ST	TATE COUNTY	PERMIT
	GAS) PRODUCTION: S	NJECTION WASTE DISPOSA STORAGE DEEP SHALLO ERSHED Rockcamp Run of Willey For	VV	GLF: Bia Run	
DISTRICT: Grant		COUNTY: We		08/20/	2021
SURFACE OWNER:	ET Blue Grass LLC			ACREAGE:	138.93
ROYALTY OWNER:	Shiben Estates, Inc., et al.	LEASE NO:	125397	ACREAGE:	140
□PERFORATE NE	W FORMATION DOTHER	DRILL DEEPER IN FRACTURE OR R PHYSICAL CHANGE IN WELL (SI EPLUG TARGET FORMATION: _	PECIFY)	PLUG OFF OLD	
WELL OPERATOR:	EQT Production Company	DESIGNATED AGENT:	Joseph C. Mallov	,	
ADDRESS:	400 Woodcliff Drive				
	Canonsburg, PA 15317		Bridgeport, WV 2	6330	



WW-6A1 (5/13)

Operator's Well No. BIG245 1141	Operato	r's We	II No.	BIG245	1141
---------------------------------	---------	--------	--------	--------	------

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that —

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See Attachment

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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JUL 1 4 2021

WV Department of Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company

By:

John Zavatchan

Its:

Project Specialist - Permitting

Page 1 of 2

4710303446

WW-6A1 attachment

Operator's Well No.

BIG245 114H

Lease No.	Grantor, Lessor, etc.		Grantee, Lessee, etc.	Royalty	Book/Page
2000 110.	Shiben Estates, Inc., et al.			"at least 1/8th per WV Code 22-6-8"	
125397	Joseph Shiben and Minnie Shiben, his wife, et al	140 ac	Equitable Gas Company		OG 44A/224
	Equitable Gas Company		Equitrans, Inc.		OG 71A/453
	Equitrans, Inc., et al		Equitrans, LP		Misc. Book 105/908
	Equitrans, L.P.		EQT Production Company		OG 131A/81
	Liberty Holding Company, Inc.			"at least 1/8th per WV Code 22-6-8"	
<u>169210000</u>	Liberty Holding Company, Inc.	71.5 ac	EQT Production Company		OG 262A/145
	Kathy Lee Longwell, et al.			"at least 1/8th per WV Code 22-6-8"	
<u>125385</u>	Eunice Roberts and Walter Roberts, her husband, et al	61 ac	Equitable Gas Company		OG 52A/281
	Equitable Gas Company		Equitrans, Inc.		OG 71A/453
	Equitrans, Inc., et al		Equitrans, LP		Misc. Book 105/908
	Equitrans, L.P.		EQT Production Company		OG 131A/81
	Joseph F. Kiger, et al.			"at least 1/8th per WV Code 22-6-8"	
125371	Alphia Earl Byard and Mary Jane Byard, his wife, et al	46 ac	Equitable Gas Company		OG 57A/125
	Equitable Gas Company		Equitrans, Inc.		OG 71A/453
	Equitrans, Inc., et al		Equitrans, LP		Misc. Book 105/908
	Equitrans, L.P.		EQT Production Company		OG 131A/81

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Office of Oil and Gas.

JUL 14



EQT PRODUCTION COMPANY 400 Woodcliff Drive | Canonsburg, PA 15317

July 13, 2021

Mr. Taylor Brewer West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re:

BIG245 114H

Grant District, Wetzel County, WV

Dear Mr. Brewer,

EQT Production Company is applying for a new well work permit for the well referenced above. Upon information and belief, the Operator's lease and/ or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including under any public roads that the well lateral crosses.

Sincerely,

John Zavatchan

Project Specialist - Permitting

RECEIVED
Office of Oil and Gas

JUL 14 7671

Certification of Notice is hereby given:

THEREFORE, I John Zavatchan , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

Well Operator: EQT Production Company, By: John Zavatchan Its: Project Specialist - Permitting

Telephone: 724-746-9073 Address: 400 Woodcliff Drive

Canonsburg, PA 15317

Facsimile: 412-395-2974

Email: jzavatchan@eqt.com

NOTARY SEAL

Commonwealth of Pennsylvania - Notary Seal Rebecca Shrum, Notary Public Beaver County My commission expires March 9, 2024

Commission number 1267706 Member, Pennsylvania Association of Notaries Subscribed and sworn before me this 13th day of July 202

Notary Public

My Commission Expires

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

> RECEIVED Office of Oil and Gas

JUL 1 4 70.1

WW-6A (9-13)

4710303446 API NO. 47OPERATOR WELL NO. 114H Well Pad Name: BIG245

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Noti	ce Time Requiren	nent: notice shall be provi	ded no later tha	n the filing date of permit application.	
	e of Notice: 7/12/202 ce of:	Date Permit Applica	tion Filed: 7/12	517071	
V	PERMIT FOR AN	V CERTIFI	CATE OF APP	ROVAL FOR THE	
	WELL WORK			AN IMPOUNDMENT OR PIT	
Deli	very method purs	uant to West Virginia Co	ode § 22-6A-10	(b)	
	PERSONAL	REGISTERED	✓ METH	OD OF DELIVERY THAT REQUIRES A	
	SERVICE	MAIL	RECEI	PT OR SIGNATURE CONFIRMATION	
the soil a description open more well important proving substraction of the control of the control open more well important proving substraction open proving substraction of the control open more control open m	urface of the tract of the decimal gas leasehold being the decimal of the erosion attor or lessee, in the erosion attor or lessee, in the erosion attor or lessee, in the erosion of the surface of the surface of the surface of the sheriff recision of this article to the R. § 35-8-5.7.a re	n which the well is or is pro- ing developed by the propos- and sediment control plan s- e event the tract of land on w- e owners of record of the su- tract is to be used for the p- lescribed in section nine of g or water supply source loc- mption by humans or domes- vity is to take place. (c)(1) I ction hold interests in the la- quired to be maintained purs- to the contrary, notice to a li- quires, in part, that the oper	sposed to be located well work, its submitted pursual which the well properties tract or trailacement, construction article; (5) A cated within one stic animals; and if more than three nds, the applicant to section of ich holder is not rator shall also p	the well plat to each of the following persons: (1) The ated; (2) The owners of record of the surface tract of the surface tract is to be used for roads or other land into subsection (c), section seven of this article; (3) roposed to be drilled is located [sic] is known to be acts overlying the oil and gas leasehold being develoration, enlargement, alteration, repair, removal or a language owner or water purveyor who is known thousand five hundred feet of the center of the well (6) The operator of any natural gas storage field will be tenants in common or other co-owners of interests at may serve the documents required upon the person eight, article one, chapter eleven-a of this code. (2) Inotice to a landowner, unless the lien holder is the rovide the Well Site Safety Plan ("WSSP") to the supersording the section 15 of this rule.	tracts overlying the d disturbance as) The coal owner, underlain by one or ped by the proposed bandonment of any to the applicant to pad which is used to thin which the described in n described in the Notwithstanding any landowner. W. Va.
Ø A	application Notice	☑ WSSP Notice ☑ E&	S Plan Notice	☑ Well Plat Notice is hereby provided to:	
☑ St	JRFACE OWNER	(s)		☑ COAL OWNER OR LESSEE	
	e: See Attached List			Name: See Attached List	
Add	ress:		_	Address:	
-			21	Lance and the second	RECEIVED
Nam			-	☑ COAL OPERATOR	Office of Oil and Gas
Add	ress:		_	Name: ACNR Resources, Inc.	JUL 1 4 2021
E CI	IDEACE OWNED	(s) (Road and/or Other Di	atuule au aal	Address: 46226 National Road	JUL 1 4 7071
_	ie: See Attached List	(S) (Road and/of Other Di	sundance	St. Clairsville, OH 43950 SURFACE OWNER OF WATER WELL	Unch
				AND/OR WATER PURVEYOR(s)	WV Department of Environmental Protection
				Name:	Environmental Protection
Nan				Address:	_
Add	ress:				
-100				OPERATOR OF ANY NATURAL GAS STO	RAGE FIELD
		(s) (Impoundments or Pits		Name: Equitrans Midstream c/o Gerald Smith	
Nan	ne:			Address: 2200 Energy Drive	
Add	ress;			Canonsburg, PA 15317	
				*Please attach additional forms if necessary	

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4710303446

WW-6A (8-13) JUL 1 # 207)

AV Department in conformental Projection API NO. 47-OPERATOR WELL NO. 114H Well Pad Name: BIG245

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the crosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods,

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-und-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements, (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the take or reservoir, (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, In its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47-	-		
OPERATOR WI	ELL NO.	114H	
Well Pad Name:	BIG245		

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments to the location or construction of the applicant's proposed well work to the Secretary at:

Office of Oil and Gas

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
Ø 81 +926-0450

JUL 14 2021

WV Department of Environmental Protection

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WW-6A (8-13) API NO. 47OPERATOR WELL NO. 114H
Well Pad Name: BIG245

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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Office of Oil and Class

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WW-6A (8-13) 4710303446

API NO. 47-__

OPERATOR WELL NO. 114H

Well Pad Name: BIG245

Notice is hereby given by:

Well Operator: EQT Production Company

Telephone: 724-746-9073 Email: jzavatchan@eqt.com Address: 400 Woodcliff Drive

Canonsburg, PA 15317

Facsimile: 412-395-2974

Oil and Gas Privacy Notice:

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Commonwealth of Pennsylvania - Notary Seal Rebecca Shrum, Notary Public Beaver County My commission expires March 9, 2024 Commission number 1267706

Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 13th day of July

Notary Public

My Commission Expires

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Office of Oil and Gas

JUL 1 4 2021

BIG245

Surface Owners (All Disturbance):

- Wanda L. Byard
 1250 Meadowland Dr.
 Lewisport, KY 42351
- Neal Utt 1204 Big Run Rd. Burton, WV 26562
- Ikey Joe Willey
 12359 Willey Fork Rd.
 Pine Grove, WV 26419
- ET Blue Grass LLC
 PO Box 6135
 Pittsburgh, PA 15212-0135

Coal Owners:

- WPP, LLC
 5260 Irwin Road
 Huntington, WV 25727-3247
- Frances E. Hartman (Fluharty) heirs & assigns 4337 5th Avenue Pittsburgh, PA 15213

Coal Operator:

ACNR Resources, Inc.
 46226 National Road
 St. Clairsville, OH 43950

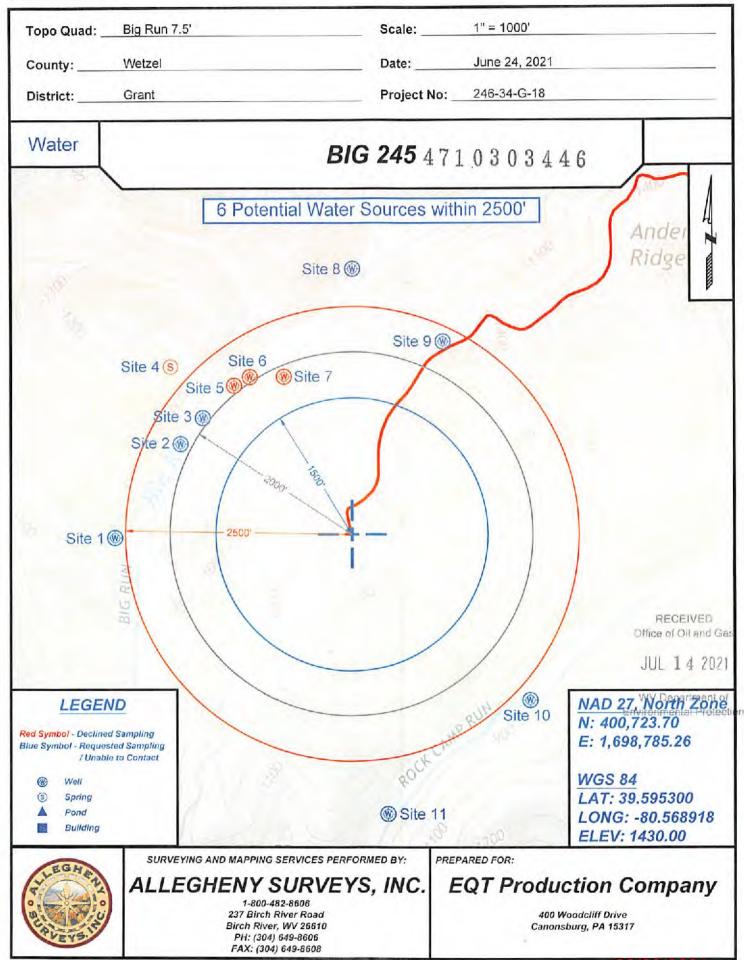
No Water Supplies within 1500'

Operator of Any Natural Gas Storage Field:

Equitrans Midstream
 c/o Gerald Smith
 2200 Energy Drive
 Canonsburg, PA 15317

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Office of Oil and Gas

JUL 14 2021



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WW-6A4 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Date of Notic		provided at least TEN (10) days produced Permit Application Filed:		
Delivery me	hod pursuant to West Virgin	ia Code § 22-6A-16(b)		
☐ HAND	■ CERTIFIED N			
DELIVE	RY RETURN REC	CEIPT REQUESTED		
drilling a hor of this subsec- subsection m and if availab	izontal well: Provided. That n tion as of the date the notice w ay be waived in writing by the le, facsimile number and electr	otice given pursuant to subsection as provided to the surface owner: surface owner. The notice, if requi onic mail address of the operator a	(a), section t Provided, ho red, shall inc	the surface owner's land for the purpose of ten of this article satisfies the requirements envever. That the notice requirements of this clude the name, address, telephone number, for's authorized representative.
Notice is he Name: See alta	reby provided to the SURI	FACE OWNER(s): Name:		
Address:	Gillen	Address:		
	Vest Virginia Code § 22-6A-16	rilling a horizontal well on the trac		I well operator has an intent to enter upon follows:
County:	Wetzel	UTM NAD 83	Northing:	4382957.052
District:	Grant	Public Road Ac		CR 19/2
Quadrangle:	Big Run	Generally used	farm name:	BIG245
Watershed:	Rockcamp Run of Willey Fork			
Pursuant to				dress, telephone number, and if available,

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is here Well Operator:	a Programme of the Control of the Co	Authorized Representative:	John Zavatchan	RECEIVED
Address:	400 Woodcliff Drive	Address:	400 Woodcliff Drive	47.71
	Canonsburg, PA 15317		Canonsburg, PA 15317	JULIA
Telephone:	724-746-9073	Telephone:	724-746-9073	
Email:	jzavatchan@eqt.com	Email:	jzavatchan@eqt.com	WV Deput
Facsimile:	412-395-2974	Facsimile:	412-395-2974	Environmanto
	I to the control of t		A RESIDENCE OF THE PROPERTY OF	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

BIG245 Surface Owner List (All Disurbance)

- 04-8-8
 Wanda L. Byard
 1250 Meadowland Dr.
 Lewisport, KY 42351
- 04-8-14
 Neal Utt
 1204 Big Run Rd.
 Burton, WV 26562
- 04-8-21
 Ikey Joe Willey
 12359 Willey Fork Rd.
 Pine Grove, WV 26419
- 04-8-22
 ET Blue Grass, LLC.
 P.O. Box 6135
 Pittsburgh, PA 15212

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Office of Oil and Gas

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U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only _0 유 60 Certified Mail For 3-40 D Le Button Backett Introdecty) Figure Pecelpt (Mactronic) Conflied Mall Restricted Delivery Adult Signatum Required Adult Signature Feetings Dollvery Total Postago a m ET Blue Grass, LLC 8.415 40 Sent To PO Box 6135 Street and Apt. Pittsburgh, PA 15212 City, State, 21h 246-18 Big 245 WW-6A4 PS Form 3800. April 20 5 PSN 7530-02-000-9047

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only L 97 For delivery information, visit our website at www.usps.com®. -R, WD 1-3.40 _ s 2.837 When Twotel Sundappy 8 BOLDE 2.00 Wanda L. Byard 845 DIB 1250 Meadowland Dr. Lewisport, KY 42351 246-18 Big 245 WW-6A4 PS Form 3800, April 2015 PBN 7520-02-000-0047 See Reverse for Instructions U.S. Postal Service™ CERTIFIED MAIL® RECEIPT 929 Domestic Mail Only For delivery information, visit our website at www.usps.com*. 19

12 Direction accept (hardcount 0001 Resum (incent (decironic) Postmark Gertifica Mail Restricted Dyllvirty Hare Adult Sumature Required Actor Element Restricts & Delivery 3 116 1200 田田 Neal Utt 8-45 40 1204 Big Run Rd. Burton, WV 26562 246-18 Big 245 WW-6A4 City State, 2004

PS Form 3800, April 2015 PSN 7530-02-000-9047 Ses Reverso for Instructions

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Office of Oil and Gas.
JUL 14 2021

STATE OF WEST VIRGINIA 4710303446 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Delivery me	thod pursuant to West Virginia C	Code § 22-6A-16(c)		
■ CERTI	FIED MAIL	☐ HAND		
	RN RECEIPT REQUESTED	DELIVERY		
return receipt the planned of required to be drilling of a damages to the (d) The notice of notice.	requested or hand delivery, give the peration. The notice required by a provided by subsection (b), section horizontal well; and (3) A proposine surface affected by oil and gas ones required by this section shall be	the surface owner whose later this subsection shall include the of this article to a sured surface use and compete perations to the extent the given to the surface owner.	nd will be used for ude: (1) A copy rface owner whose assistion agreement damages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the ont containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	eby provided to the SURFACE On s listed in the records of the sheriff			
Name: See atta		Name		
I valle, occ since				
		Addre		
Address:	eby given:		ss:	
Address:	eby given: Vest Virginia Code § 22-6A-16(c),	notice is hereby given that	ss:the undersigned	well operator has developed a planned
Address:	eby given:	notice is hereby given that irpose of drilling a horizon	the undersigned tal well on the tra	well operator has developed a planned
Address:	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Wetzel	notice is hereby given that irpose of drilling a horizon UTM NAD	the undersigned tal well on the tra 83 Easting: Northing:	well operator has developed a planned act of land as follows: 537032.56 4382957.052
Address:	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Wetzel Grant	notice is hereby given that urpose of drilling a horizon UTM NAD Public Road	the undersigned tal well on the tra 83 Easting: Northing:	well operator has developed a planned act of land as follows: 537032.56 4382957.052 CR 19/2
Notice is her Pursuant to V operation on State: County: District: Quadrangle:	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Wetzel Grant Big Run	notice is hereby given that urpose of drilling a horizon UTM NAD Public Road	the undersigned tal well on the tra 83 Easting: Northing:	well operator has developed a planned act of land as follows: 537032.56 4382957.052
Address:	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Wetzel Grant	notice is hereby given that urpose of drilling a horizon UTM NAD Public Road	the undersigned tal well on the tra 83 Easting: Northing:	well operator has developed a planned act of land as follows: 537032.56 4382957.052 CR 19/2
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed:	cby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Wetzel Grant Big Run Rockcamp Run of Willey Fork Shall Include:	notice is hereby given that urpose of drilling a horizon UTM NAD Public Road Generally u	the undersigned tal well on the tra 83 Easting: Northing: I Access: sed farm name:	well operator has developed a planned act of land as follows: 537032.56 4382957.052 CR 19/2 BIG245
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice ! Pursuant to V to be provide horizontal we surface affect information re	cby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Wetzel Grant Big Run Rockcamp Run of Willey Fork Shall Include: Vest Virginia Code § 22-6A-16(c), ed by W. Va. Code § 22-6A-10(b); ell; and (3) A proposed surface use ted by oil and gas operations to the elated to horizontal drilling may to located at 601 57th Street, SE,	notice is hereby given that urpose of drilling a horizon UTM NAD Public Road Generally u this notice shall include: (to a surface owner who and compensation agreeme extent the damages are obtained from the Secre	the undersigned tal well on the tra 83 Easting: Northing: Access: sed farm name: 1)A copy of this se land will be understand and compensable understand at the WV	well operator has developed a planned act of land as follows: 537032.56 4382957.052 CR 19/2
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice: Pursuant to V to be provide horizontal we surface affect information r	cby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Wetzel Grant Big Run Rockcamp Run of Willey Fork Shall Include: Vest Virginia Code § 22-6A-16(c), ed by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use feed by oil and gas operations to the lated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	notice is hereby given that urpose of drilling a horizon UTM NAD Public Road Generally u this notice shall include: (to a surface owner who and compensation agreeme extent the damages are obtained from the Secre	the undersigned tal well on the tra 83 Easting: Northing: Access: sed farm name: 1)A copy of this se land will be understand and compensable understand at the WV	well operator has developed a planned net of land as follows: 537032.56 4382957.052 CR 19/2 BIG245 code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice Sursuant to V to be provide horizontal we surface affect information readquarters, gas/pages/def	cby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Wetzel Grant Big Run Rockcamp Run of Willey Fork Shall Include: Vest Virginia Code § 22-6A-16(c), ed by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use feed by oil and gas operations to the lated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	notice is hereby given that urpose of drilling a horizon UTM NAD Public Road Generally u this notice shall include: (to a surface owner who and compensation agreeme extent the damages are be obtained from the Secre Charleston, WV 25304	the undersigned tal well on the tra 83 Easting: Northing: Access: sed farm name: 1)A copy of this se land will be understand to containing a compensable understay, at the WV (304-926-0450)	well operator has developed a planned act of land as follows: 537032.56 4382957.052 CR 19/2 BIG245 code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

JUL 1 4 7071

WV Department iii
Environment iii Protector

BIG245 Surface Owner List (All Disurbance)

4710303446

- 04-8-8
 Wanda L. Byard
 1250 Meadowland Dr.
 Lewisport, KY 42351
- 04-8-14
 Neal Utt
 1204 Big Run Rd.
 Burton, WV 26562
- 04-8-21 Ikey Joe Willey
 12359 Willey Fork Rd.
 Pine Grove, WV 26419
- 04-8-22
 ET Blue Grass, LLC.
 P.O. Box 6135
 Pittsburgh, PA 15212

RECEIVED
Office of Oil and Gas

JUL 14 2021



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION **Division of Highways**

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways

Jimmy Wriston, P. E. Deputy Secretary/ **Deputy Commissioner**

July 13, 2021

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the BIG245 Pad, Wetzel County BIG245 114H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2016-0430 which has been issued to EQT Production Company for access to the State Road for a well site located off Wetzel County Route 19/2 SLS MP1.42.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator RECEIVED
Office of Oil and Gas

Cc: **Becky Shrum**

EQT Production Company

CH, OM, D-6

File

JUL 14 2021

Anticipated Frac Additives Chemical Names and CAS Numbers

<u>Material</u>	Ingredient	CAS Number
Sand (Proppant)	Silica Substrate	14808-60-7
Water	Water	7732-18-5
Hydrochloric Acid (HCI)	Hydrogen Chloride	7647-01-0
Friction Reducer	Copolymer of 2-propenamide	Proprietary
	Petroleum Distillate	64742-47-8
	Oleic Acid Diethanolamide	93-83-4
	Alcohols, C12-16, ethoxylated	68551-12-2
	Ammonium chloride ((NH4)Cl)	12125-02-9
Biocide	Glutaraldehyde	111-30-8
	Alkyl dimethyl benzyl ammonium chloride	68391-01-5
	Didecyl dimethyl ammonium chloride	7173-51-5
	Non-hazardous substances	Proprietary
Scale Control	Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid)(BHMT)	34690-00-1
	Non-hazardous substances	Proprietary
Acid Chelating Agent	Citric Acid	77-92-9
Corrosion Inhibitor	Methanol	67-56-1
	pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2
	Nonoxynol-9	127087-87-0
	2-ethyl-1-hexanol	104-76-7
	4-nonylphenyl, ethoxylated	26027-38-3

RECEIVED
Office of Oil and Gas

JUL 1 4 2021

EQT BIG 245 WELL PAD AS-BUILT PLAN EQT PRODUCTION COMPANY

WVDEP OOG ACCEPTED AS-BUILT XXX 8/6/2021

PROPOSED WELLS: BIG245 1H, BIG245 3H, BIG245 102H, BIG245 104H, BIG245 106H, BIG245 108H, BIG245 110H, BIG245 112H, & BIG245 114H

PRODUCING WELLS: BIG245H8 (47-103-03234), BIG245H16 (47-103-03235), BIG245H17 (47-103-03236)

SITUATED ON THE WATERS OF BIG RUN, A TRIBUTARY OF

PROJECT INFORMATION

PROJECT NAME: EQT BIG 245

GRANT DISTRICT, WETZEL COUNTY, WY MAP 08 PARCELS 01, 14, 21, 72

SURFACE OWNER

WANDA L BYARD MAP 58, PARCEL 58 GRANT DISTRICT, WETZEL COUNTY, WY TOTAL PROPERTY AREA: 59,18 +/- ACRES

NEAL UTT MAP 08, PARCEL 14 GRANT DISTRICT, WETZEL COUNTY, WY TOTAL PROPERTY AREA: 61.0 1/4 ACRES

KEY JOE WILLEY IKEY JOE WILLEY
MAP 08, PARCEL 21
GRANT DISTRICT, WETZEL COUNTY, WY
TOTAL PROPERTY AREA: 78.27 +/- ACRES

ET BLUE GRASSILC MAP 08, PARCEL 22 GRANT DISTRICT, WETZEL COUNTY, WV TOTAL PROPERTY AREA: 138.93 + / ACRES

OIL AND GAS ROYALTY OWNER

SHIBEN ESTATES, INC.
GRANT DISTRICT, WETZEL COUNTY, WY
TOTAL PROPERTY AREA: 140.0 1/- ACRES

LOCATION COORDINATES

EQT BIG 245 WELL PAD CENTER

LATITUDE: 39 595402 LONGITUDE: 80.568745 (NAD 83)

EQT BIG 245 AST TANK CENTER LATITUDE: 39 50621 LONGITUDE: 40.56005 (HAD 83)

PROJECT DATUM

SURVEY NOTE

SONYET MOTE THE CERTIFICATION OF THIS DRAWING APPLIES ONLY TO THE TOPOGRAPHIC MAPPING AS GENERATED FROM THE PIELD DATA. OUTAINED AT THE HIME OF THE FIELD SURVEY ON 202019, 20219, 20219, 20229, 20219, FLIGHTS ON 20219, 20229, 20219, 20209, 20219, 20219,

MISS UTILITY STATEMENT

MISS UTILITY OF WEST VIRGINIA WAS NOTED FOR THE LOCATING OF UTILITIES PROOF 10 THIS PROJECT DESIGN: TICKET #2114769757.

MISS Utility of West Virginia 1-500-245-4548 West Virginia State Law (Section XIV, Chapter 24-C) Requires that you call two



OPERATOR

EQT PRODUCTION COMPANY

EQT PRODUCTION COMP OPERATOR ID: 305686 P.O. BOX 260 BRIDGEPORT, WV 29830

PHONE (304) 346-3870

		LIST	OF DRAW	INGS		
SHEE	T NO.		DES	CRIPTION		
		COVER SHEET				
	1		INDI	X SHEET		
-	1		AS-BULT	PLAN SHEET		
			AS-BUILT	PLAN SHEET		
	6 AS-BUILT PLAN SHEET					
	1		AS-BUIL1	PLAN SHEET		
1			AS-BUILT	PLAN SHEET		
			ACCESS ROAD	AS-BUILT PROFIL	E	
by property owner ty Chemin		Perceli	Planned Total Cisturbance Area (Acres)		Woodel A	
L. Byerd		488	4.05	8.82	5.	

E? Bue Grees LLC	44:22	79.07	31.80		31 80
Total Area			44.2		44.22
LOD by project area					
Description				LOD (Acres)	Wooded Area (Acres)
Well Paul Access Road Ste. 99	#87 to 110+95			0.64	0.64
Well Pad				3.29	129
AST PM				1.50	1.50
Topsof Steakpile 1				1.26	126
Dinckpile f				4.20	428
Stockade 2. 3. & 6		4.30	435		
Strokyle 4				2.01	2.01
Stockpile 5				4.67	447
Rameining Cleared and Grubbed Areas				72.42	22.42

11,201.00	
LEGEND	
AS-BUILT LIMITS OF DISTURBANCE	
DESIGN WELL PAD LIMITS OF DISTURBANCE (LOD)	
DESIGN ACCESS ROAD LIMITS OF DISTURBANCE (LCC)	
STOCKPILE LIMITS	-
PROPERTY LINES	
EX. ROAD EDGE OF GRAVEL/DIRT	
EX. ROAD CENTERLINE	
EX. DITCHLINE	-
EX. CULVERT	_
EX. GASLINE	
EDGE OF GRAVEL PAD	_
EDGE OF BERM	
12' COMPOST FILTER SOCK	15.0
18' COMPOST FILTER SOCK	-
24" COMPOST FILTER SOCK	-018-

24" COMPOST FILTER SOCK		
TOP BERM		
GRAVEL		
RIP RAP	5959650	
ORIGINAL GROUND 2 CONTOURS		
AS BUILT 2 CONTOURS		
MATCHLINE		
EX. FENCELINE		
EX. CVERHEAD UT LITY		
EX. 20" GASLINE RIGHT OF WAY		
EX. STRUCTURE		
EX. PIPELINE MARKER		
EX. POWER POLE		
EX GUY WIRE		
AS-BUILT WELL LOCATIONS	0	
PROPOSED WELL LOCATIONS		
ADJACENT WELL LOCATIONS	0	

SUPPLEMENTAL	LEGEND
ITEMS ADDED AFTER 3/11	12019 SURVEY.
EX GUARDRAIL	-
AS BUILT 2' CONTOURS	

SUPPLEMENTAL LEGEND 2

ITEMS ADDED AFTER 05/01/2021 SURVEY & COMPOST FILTER SOCK AS BUILT Z CONTOURS NAME VOLUME (CY)

262	71,091
4	1,224
5	1 29,957
6	0-LINUSED
DIAL	194,455

NAME	VOLUME (CY)
1	11.063
TOTAL	31.063

ON THE PRIOR AS BUILT DRAWFING, DATED LAST-SIN, A CORPECTOR IN STOCK PILE YELLIPS HAS BENONLOSS. I APPLED ON STOCK PILE YOU, OF THE WILL PLAN THE CORRECTION SHOULD HAVE BEEN APPLED TO STOCK PILE NO. 10° THE ACCESS NOW ALSO BEING STOCK PILE NO. 5 OF THE WILL PLAN.

ATE: 3-26-19 CALE: 1"-2000 RAWN BY: THE TLE NO 7012 HEET: 1 OF 8

TO THE PER AND THE OWN

THE DOCUMENT WAS COVER SHEET

BIG 245 WELL I

AS-BUILT

GRANT DISTRICT

WETZEL COUNTY, WV EOT.

		LOCATION MAP BIG RUN DUADRANGLE WEST VIRGINIA 7.5 MINUTE SERIES	SCALE: 1"=	
7	Fully Car Literate State 2	Moldey		
	(6)			
	Alagatown			
1	My **** 19		4	
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1	WELL PAD	AST PAD	7-1-1	TO DO A
	BEGIN ACCESS ROAD AT CR 19/2	* = /	Merrity	100
1				
	Me.	· · ·		
	* * * * * * * * * * * * * * * * * * *	feet in	in)	17-

ENGINEER

STANTEC CONSULTING.INC. 111 ELKINS STREET FAIRMONT, WY 26554

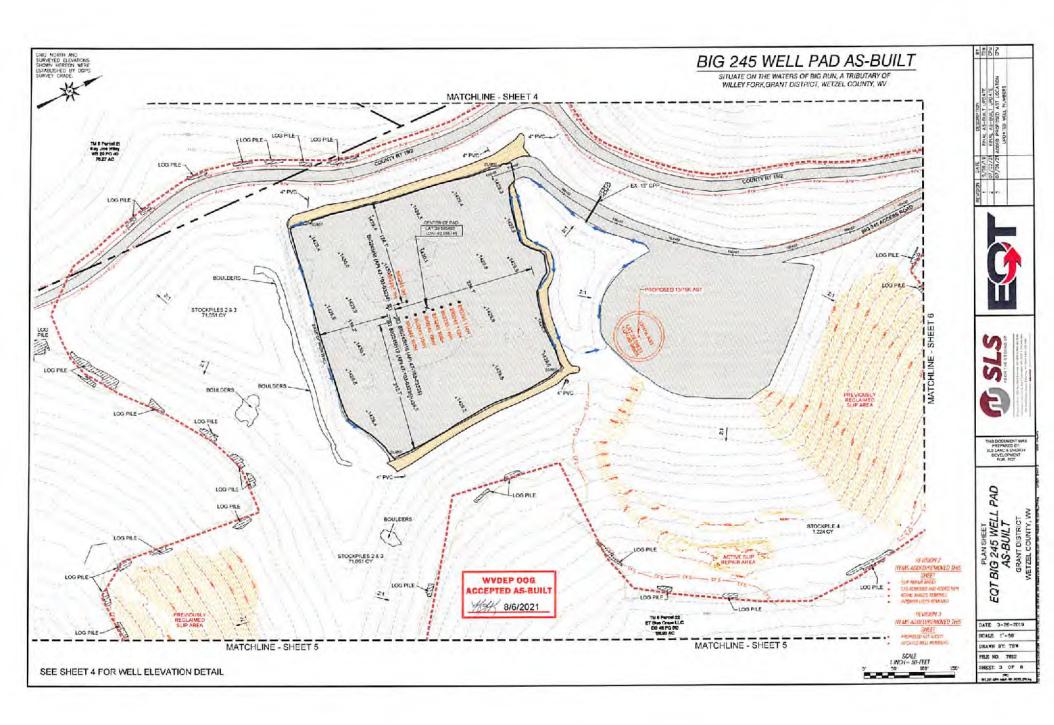
PHONE: (304) 387-9401

SURVEYOR

GLENVILLE WV 28351

PHONE: (304) 462-5634

SMITH LAND SURVEYING, INC. PO BOX 150 12 VANHORN DRIVE



EQT BIG 245 WELL PAD AS-BUILT PLAN EQT PRODUCTION COMPANY

PROPOSED WELLS: BIG245 1H, BIG245 3H, BIG245 102H, BIG245 104H, BIG245 106H, BIG245 108H. BIG245 110H, BIG245 112H, & BIG245 114H

PRODUCING WELLS: BIG245H8 (47-103-03234), BIG245H16 (47-103-03235), BIG245H17 (47-103-03236)

RECEIVEL 2 Office of Olland Pr JUL 1 4 2021

> WV Department o Environmental Protection











DEVELOPMENT DEVELOPMENT FOR FOT

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PROJECT INFORMATION

PROJECT NAME, EQT 81G 245 TAX PARCEL COANT DISTRICT WETZEL COLLETY W MAP 08 PARCELS 08, 14, 21, 22

SURFACE OWNER

WANDA L BYARD MAP 08, PARCEL 08 GRANT DISTRICT, WETZEL COUNTY, WV TOTAL PROPERTY AREA 59.16 */- ACHES

MAP 08, PARCEL 14
GRANT DISTRICT, WEIZEL COUNTY, WY
TOTAL PROPERTY AREA 510 -- ACRED

MET JOE WILLEY
MAP 05, PARCEL 21
GRANT DISTRICT, WETZEL COUNTY, WV
TOTAL PROPERTY AREA 28.27 1/4 ACRES

ET BLUE GRASSILLO MAP 08, PARCEL 22 GRANT DISTRICT, WETZEL COUNTY, WY TOTAL PROPERTY AREA 138 90 +/ ACRES

OIL AND GAS ROYALTY OWNER

SHIBEN ESTATES, INC.
GRANT DISTRICT, WETZEL COUNTY, WV.
TOTAL PROPERTY AREA: 1400 1- ACRES

LOCATION COORDINATES

EQT BIG 245 CONSTRUCTION ENTRANCE LATITUDE, 39,599600 LONGITUDE: -80,587,860 (NAD 83)

EQT 8/G 245 WELL PAD CENTER LATITUDE: 36:595402 LONGITUDE: 40:568746 (NAD 83)

ENT BIG 245 AST TANK CENTER LATITUDE 39:59621 LONG/TUDE -80:56805 (NAC 63)

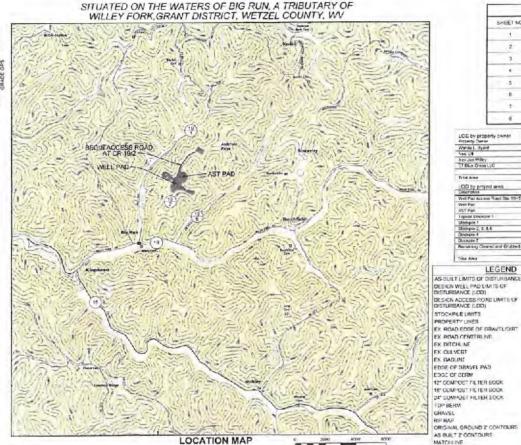
PROJECT DATUM

SURVEY NOTE

THE CERTIFICATION OF THIS DRAWING APPLIES ONLY TO 1H THE CERTIFICATION OF THIS DRAWING NOTICE DIFF. TO THIS OFFI TOPICCRAPHIC MAPPING AS GENERATED PROMITIE FIELD DATA DRIANG AT THE TIME OF THE FIELD SURVIYY ON 2004-19, 2014/19, 2014/19, 2015/18, 2016/19, 2019/19, 2020/19, 2020/19, 3003/19, 3004/19, 3003/19, 3014/19, 2015/18, 2019/19, 2014/19, 4009/19, 4009/19, 4010/19, FLIGHTS ON 3/11/19, 3/12/19, 4/11/19, 6 06/01/21,

MISS UTILITY STATEMENT

MISS UTILITY OF WEST VIRGINIA WAS NOTED FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN. TICKET #2114769767



BIG RUN QUADRANGLE WEST VIRGINIA 7.5 MINUTE SERIES

OPERATOR POT PRODUCTION COMPANY

OPERATOR ID 306586 P.O. BOX 260 BRIDGEPORT, WY 25650 PHONE (304) 348-3870

ENGINEER

STANTEC CONSULTING INC. 111 ELKINS STREET FAIRMONT, WV 26554 PHONE: (304) 367-9421

SURVEYOR

SCALE: 1"=2000

SMITH LAND SURVEYING, INC. PO BOX 150 12 VANHORN DRIVE GLENVILLE, WV 26361 FHONE (304) 462-5634

SIGN ADDESS ROAD LIMITS OF TURBANCE (LOD)		AS BUILT 2 CONTOURS
OCKPILE LIMITS		SUPPLEMEN
OPERTY LINES		
ROAD EDGE OF GRAVEL/DIRT		ITEMS ADDED AFTE
ROAD CENTERLINE		# COMPOST FILTER SOCK
DITCHUNE	-	AS BUILT - CONTOURS
CULVERT	_	AS BULL & CONTOURS

383555

0

LEGEND

EX GASLINE EDGE OF GRAVEL PAD EDGE OF BERM 12" COMPOST FILTER SOCK 18" COMPOST FILTER SOCK 24" COMPOST FILTER SOCK

TOP BERM GRAVEL ORIGINAL GROUND Z CONTOURS AS BUILT 2 CONTOURS MATCHLINE

EX FENCELINE EX DVERHEAD UTILITY EX. 20 GASLINE RIGHT OF WAY EX. STRUCTURE

EX. PIPELINE MARKER EX POWER POLE EX GUY WIRE

AS-BUILT WELL LOCATIONS PROPOSED WELL LOCATIONS ADJACENT WELL LOCATIONS

Total Aves	4422	44.22
QD by project area		
escration	[LOD (Acres)	Worsted Area (Acres)
Vell Paci Accress Rand Sta 99+57 to 110+55	0.64	064
Nell Part	3.29	529
IST Pad	1.50	150
Openii Strovnie 1	1.26	1.26
Stockpile 1	4.26	4.29
Stockpie 2, 3, 6.6	4.35	4 35
Strokpile 4	3.01	2.01
Rockale f	£47	4.41
Renvising Cleared and Grubbed Areas	22.42	22.62

LIST OF DRAWINGS

SHEET NO

LCC by property owner

DESCRIPTION

COVER SHEET

INDEX SHEET

ASAULT PLAN SHEET

AS-BUILT PLAN SHEET

ASSEURT PLAN SHEET AS-BUILT PLAN SHEET AS-BUILT PLAN SHEET

ACCESS ROAD AS-BUILT PROFILE

	+4.22	H.22	
SUP	PLEMENT	TAL LEGI	END
ITEMS	ACCREC AFTER	2/11/2019 60	HVEY
AS BUILT 2 C			
SUP	PLEMENT	TAL LEGE	ND 2
2021			

CONTRACTOR AND ADDRESS OF THE PARTY.	THE RESERVE
NAME	VOLUME (CY
1	91.824
243	71,051
	1,228
5	1 20,057
- 6	D-XMAISED

FEARE	VOLUME (CY
- 1	11.063

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4.35-2019 A CORRECTION IN STOCK PR E YOU LINE
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THE WELL PRO THE CORRECTION SHOULD
HAVE BEEN APPLIED TO STOCK PILE NO. I OF THE
ACCESS WOAD ALSO BEING STOCK PLE NO. 5 OF
THE WELL RAD













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ME:		
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