

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 104H 47-103-03441-00-00

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 104H

Farm Name: ET BLUE GRASS LLC U.S. WELL NUMBER: 47-103-03441-00-00

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

	.3	
A DI	Number:	
MI	ivumner:	

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.

4710303441

API Number:

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.

WW-6B (04/15) API NO. 47OPERATOR WELL NO. 104H
Well Pad Name: BIG245

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

1) Well Operato	or: EQT Pro	duction Co	mpany	306686	Wetzel	Grant	Big Run
				Operator ID	County	District	Quadrangle
2) Operator's W	Vell Number:	104H		Well Pad	Name: BIG24	15	
3) Farm Name/	Surface Owne	er: ET Blue	Grass L	LC Public Road	d Access: CR	19/2	
4) Elevation, cu	urrent ground:	1430'	Ele	evation, proposed p	post-construction	on: 1430'	
5) Well Type	(a) Gas \underline{X}	<u> </u>	Oil	Unde	rground Storag	ge	
	Other _						
	` '	-	X	Deep			
	_		<u>X</u>				
6) Existing Pad	-						
· -	rget Formatio 548', 19', 2,62	• •	s), Antici	pated Thickness a	nd Expected Pr	ressure(s):	
8) Proposed To	tal Vertical D	epth: 7,548	3'				RECEIVED Office of Oil and Gas
9) Formation at	Total Vertica	al Depth: M	larcellus				JUL 1 4 2021
10) Proposed T	otal Measured	d Depth: 1	1,931'				
11) Proposed H	Iorizontal Leg	Length: 34	483'			E	WV Department or nvironmental Protection
12) Approxima	te Fresh Wate	er Strata Dept	ths:	243', 521', 676',	766', 1025'		
13) Method to	Determine Fre	esh Water De	epths: C	Offset Wells - 47-1	103-00376 & 4	7-103-003	80
14) Approxima							
15) Approxima	te Coal Seam	Depths: 93	9'-940',	1038'-1047', 1137	7'-1143'	 	
16) Approxima	te Depth to Po	ossible Void	(coal mi	ne, karst, other): 🔇	300'		
17) Does Propo directly overlyi				ns Yes X	No		
(a) If Yes, pro	ovide Mine In	fo: Name:	Harris	son Co. Mine			
· · ·		Depth:	300'				
		Seam:	Pittsb	ourgh			
		Owner:	ACN	Resources, Inc.	,		

WW-6B (04/15) API NO. 47-____-OPERATOR WELL NO. 104H Well Pad Name: BIG245

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	11931	11931	500' above intermediate casing
Tubing							
Liners							

Bega Hum 7.12-21

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (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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Kind:		partment of ental Protection	
Sizes:			
Depths Set:			

WW-6B
(10/14)

API NO. 47
OPERATOR WELL NO. 104H
Well Pad Name: BIG245

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

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 KOPED

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

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, Retarder,

Anti-Settling/Suspension Agent

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.



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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

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.

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James Peterson

Environmental Resources Specialist / Permitting

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Promoting a healthy environment.



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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 casing 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 RECEIVED
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Wellbore Diagram **EQT Production** County: Wetzel BIG 245 104H Well: West Virginia **BIG 245** State: Pad: Elevation: 1430' GL 1443' KB 4710303441 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 RECEIVED Office of Oil and Gas JUL 1 4 2021 WV Department of **Environmental Protection** 2,651' Intermediate 9-5/8", 36#, J-55, cement to surface w/ Class A/Type I 11,931' MD / 7,548' TVD **Production** @ 5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H Formation: Marcellus 08/202CALE

WEST VIRGINIA GEOLOGICAL PROGNOSIS

Horizontal Well B1G245 S-000221

Drilling Objectives:

Marcellus Wetzel

County: Quad: Big Run

Elevation:

1443 KB

1430 GL

Recommended Azimuth

TBD Degrees

Recommended LP to TD: TBD

Proposed Logging Suite:

Not needed

ESTIMATED FORMATION TOPS

ESTIMATED FORMATION TOPS						
<u>Formation</u>	Top (TVD)	Base (TVD)	Lithology	Comments		
Fresh Water Zone	1	1025		FW at 243.521.676,766,1025.		
Waynesburg Coal	939	940 Co	al			
Mapletown Coal	1038	1047 Co	al			
Pittsburgh Coal	1137	1143 Co	al	There are no known past, present, or future mining and/or permits		
STORAGE ZONE	2383	2439 Sa	ndstone	STORAGE ZONE		
Maxton	2310	2351 Sa	ndstone	Base of Offset Well Perforations at 1171' TVD		
Big Lime	2364	2434 Lir	mestone			
Big Injun	2434	2601 Sa	ndstone			
Int Casing	2651					
Weir	2770	2810 Sil	ty Sand			
Top Devonian	2986					
Gordon	3168	3207 Sil	ty Sand			
Forth Sand	3226	3270 Sil	ty Sand			
Bayard	3274	3504 Sil	ty Sand		1 2	
Speechley	3896	4118 Sil	ty Sand			Base RR
Riley	4689	4921 Sil	ty Sand		225	23
Benson	5385	5533 Sil	ty Sand		273	28
Alexander	5847	6163 Sil	ty Sand		288	29
Elks	6163	7068 Gr	ay Shales and Silts		320	33
Sonyea	7068	7145 Gr	ay shale		381	39
Middlesex	7233	7285 Sh	ale	Depth as seen on Previous BIG 245 Well III7	491	50
Genesee	7285	7372 Gr	ay shale interhedded	Depth as seen on Previous BIG 245 Well H17	563	58
Geneseo	7372	7395 Bla	ack Shale	Depth as seen on Previous BIG 245 Well III7	820	82
Tully	7395	7418 Lin	mestone	Depth as seen on Previous BIG 245 Well H17	825	83
Hamilton	7418	7512 Gr	ay shale with some	Depth as seen on Previous BIG 245 Well H17	858	86
Marcellus	7512	7531 Bla	ack Shale	Depth as seen on Previous BIG 245 Well H17	976	91
Purcell	7531	7533 Lir	mestone	Depth as seen on Previous BIG 245 Well H17		
Lateral Zone		7548				
Cherry Valley	7543	7545 Lir	mestone		7	
Onondaga	7565	Lit	mestone			

Target Thickness 19 feet

Comments:

| Comments:
| Note that this is a TVD prog for a horizontal well (azimuth of TBD degrees larget 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.

2 0

RECOMMENDED	CASING	POINTS
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Fresh Water/Coal	CSG OD	13 3/8	9	CSG	DEPTH:		1193	50' below Pittsburgh
Intermediate 1:	CSG OD	9 5/8	-	CSC	DEPTH:		2651	50' below Big Injun
Production:	CSG OD	5 1/2		CSC	DEPTH:	@ TD	111	



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

July 6, 2021

4710303441

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 104H

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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EQT Production

Hydraulic Fracturing Monitoring Plan

Pad ID: BIG245

County: Wetzel

July 9, 2021

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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 them throughout the fracturing process.

EQT will recommend to these operators at a minimum to:

- 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
- 4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

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2. Reporting

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EQT will provide information relating to the hydraulic fracturing schedule, communication with other ironmental Protection 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	FmatT	D		Permit	Operator	Longitude	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 NAT 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 GAS	-80.5680	39.5883		1109.0000	-1176.0000	2285.0000
4710300371	GAS	2/26/1951				00371	FOSTER MCKENZIE	-80.5771	39.5875		825.0000	295.0000	530.0000
4710300372	GAS-P	3/10/1951				00372	FOSTER MCKENZIE	-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	-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	-80.5829	39.6079		1509.0000	274.0000	1235.0000
4710300449	GAS	6/15/1957				00449	NORTH FORK DEVELOP	-80.5650	39.5821		825.0000	288.0000	537.0000
4710300451	GAS	7/7/1957				00451	NORTH FORK DEVELOP	-80.5669	39.5836		817.0000	288.0000	529.0000
4710300452	GAS	8/9/1957				00452	NORTH FORK DEVELOP	-80.5635	39.5842		886.0000	272.0000	614.0000
4710300453	DRY	10/5/1957				00453	NORTH FORK DEVELOP	-80.5624	39.5822		979.0000	254:0000	725.0000
4710300457	DRY	1/5/1958				00457	NORTH FORK DEVELOP	-80.5652	39.5854		1108.0000	249.0000	859.0000
4710300493	STORAGE	3/8/1963				00493	EPC	-80.5744	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	EPC	-80.5678	39.5890		1109.0000	-1011.0000	2120.0000
4710300496	STORAGE	11/16/1961				00496	EPC	-80.5673	39.5868		844.0000	-1697.0000	2541.0000
4710300499	STORAGE	10/11/1961				00499	EPC	-80.5695	39.5831		923.0000	-969.0000	1892.0000
4710300509	STORAGE	1/3/1963				00509	EPC	-80.5609	39.5862		1155.0000	-1140.0000	2295.0000
4710300510	GAS	8/29/1961				00510	PEMCO GAS	-80.5772	39.6011		934.0000	272.0000	662.0000
4710300514	STORAGE	5/17/1962				00514	EPC	-80.5616	39.5927		1107.0000	-985.0000	2092.0000
4710300516	STORAGE	6/6/1962				00516	EPC	-80.5709	39.5815		1034.0000	-981.0000	2015.0000
4710300517	STORAGE	6/20/1962				00517	EPC	-80.5753	39.5984		869.0000	-975.0000	1844.0000
4710300520	STORAGE	11/14/1963				00520	EPC	-80.5581	39.5809		937.0000	-1088.0000	2025.0000
4710300522	STORAGE	7/24/1962				00522	EPC	-80.5561	39.5880		1221.0000	-1930.0000	3151.0000
4710300523	STORAGE	1/2/1963				00523	EPC	-80.5562	39.5821		846.0000	-1010.0000	1856.0000
4710300524	STORAGE	10/24/1962				00524	EPC	-80.5557	39.5853		972.0000	-1735.0000	2707.0000
4710300529	STORAGE	5/1/1963				00529	EPC	-80.5495	39.5780		1200.0000	-2028.0000	3228.0000
4710300531	STORAGE	8/10/1979				00531	EPC	-80.5549	39.5781		1098.0000	-1007.0000	2105.0000
4710300533	STORAGE	12/13/1962				00533	EPC	-80.5683	39.5841		829.0000	-985.0000	1814.0000
4710300534	STORAGE	6/9/1979	7			00534	EPC	-80.5592	39.5825		1067.0000	-1023.0000	2090.0000
4710300536	STORAGE	5/17/1963	. €	ب	⊊	00536	EPC	-80.5449	39.5817		1208.0000	-1755.0000	2963.0000
4710300538	STORAGE	7/31/1963	<	TU	R Office	00538			39.5805		836.0000	-1014.0000	1850.0000
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471030056	6 GAS	1/20/1965		00566	FOSTER MCKENZIE	-80.5767	39.5900	880.0000	332.0000	548.0000
471030079	1 GAS			00791	EPC	-80.5844	39.6136	0.0000	-99999.0000	99999.0000
471030084	1 GAS-P	9/14/1903		00841	EPC	-80.5608	39.5983	1020.0000	-99999.0000	101019.0000
471030084	5 P&A	9/22/1905	LOWER HURON SHALE	00845	EPC	-80.5862	39.6098	1290.0000	-1822.0000	3112.0000
471030088	4 STORAGE	9/26/1922		00884	EQUITRANS	-80.5679	39.5925	1167.0000	-1044.0000	2211.0000
471030114	5 STORAGE	10/19/1962		01145	EPC	-80.5581	39.5831	1067.0000	-1023.0000	2090.0000
471033002	4 GAS			30024	HOPE NAT GAS	-80.5322	39.5581	1229.0000	-1101.0000	2330.0000
471033002	7 OIL		LOWER HURON SHALE	30027	OPER IN MIN.OWN	-80.5381	39.5547	890.0000	-1894.0000	2784.0000
471033064	6 GAS	3/19/1915		30646	DUNN-MAR O & G	-80.5683	39.5772	1197.0000	-2142.0000	3339.0000
471033098	9 GAS	1/17/1917	LOWER HURON SHALE	30989	CARNEGIE NAT GAS	-80.5478	39.5781	1200.0000	-2021.0000	3221.0000
471037042	3 P&A			70423	PHILADELPHIA O	-80.5672	39.5839	0.0000	-99999.0000	99999.0000
47103FC7	UNK			03FC7	UNK	-80.5842	39.6063	0.0000	-99999.0000	99999.0000
47103FC8	P&A			03FC8	UNK	-80.5744	39.5841	0.0000	-99999.0000	99999.0000
47103FC9	P&A			03FC9	UNK	-80.5662	39.5831	0.0000	-99999.0000	99999.0000
47103TEMF	213 UNK			EMP13		-80.5344	39.5531	0.0000	-99999.0000	99999.0000
47103TEMF	6 UNK			TEMP6		-80.5381	39.5543	0.0000	-99999.0000	99999.0000

WV Department of Environmental Protection

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JUL 14 2021

WW-9 (4/16)

API Number	47	
One	rator's	Well No. BIG245 104H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

FLUIDS/ CUTTINGS 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 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 Wastes:	
Land Application Underground Injection (UIC Permit Number 0014, 8462, 4037 Reuse (at API Number Various Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain)
Yes. The closed loop system will remove drill cuttings from the drillin Will closed loop system be used? If so, describe: then prepared for transportation to an off-site disposal facility.	g fluid. The drill cuttings are
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. See	e Attached
-If oil based, what type? Synthetic, petroleum, etc. Synthetic Mud	RECEIVED
Additives to be used in drilling medium? See Attached	Office of Oil and Gas
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill	JUL 1 4 2021
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A	
-Landfill or offsite name/permit number? See Attached List	WV Department of Environmental Protection
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associ West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the per where it was properly disposed.	
I certify that I understand and agree to the terms and conditions of the GENERAL WATER F on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Proprovisions of the permit are enforceable by law. Violations of any term or condition of the general plaw or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the inapplication form and all attachments thereto and that, based on my inquiry of those individuals obtaining the information, I believe that the information is true, accurate, and complete. I am aw penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Title Project Specialist - Permitting	ntection. I understand that the permit and/or other applicable information submitted on this immediately responsible for
Subscribed and sworn before me this 13th day of July . 20 21	
	Commonwealth of Pennsylvania - Notary Sea
My commission expires Marca 9, 2024	Rebecca Shrum, Notary Public Beaver County My commission expires March 9, 2024 Commission Aumber 1267706 Member, Pennsylvania Association of Notaries

EQT Production Co	ompany	47	1 0 3 0 3 4 4 1
Proposed Revegetation Trea	atment: Acres Disturbed	Prevegetation pH	I
Lime 3	Tons/acre or to correct to	_{pH} 6.5	
Fertilizer type Gr	anular 10-20-20	_	
Fertilizer amount	500	_lbs/acre	
Mulch 2	To	ns/acre	
	<u>\$</u>	Seed Mixtures	
т	Temporary	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		
Plan Approved by:	Moulch all disturbed	areas as soon as reasona	Office of Oil and of JUL 1 4 202 WV Department of English Property Propert
		essary per WV DEP E&S	
	F	, россия дес — — — — — — — — — — — — — — — — — — —	
Title: Inspect	o C	Date: 7-/2-21	

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.

RECEIVED
Office of Oil and Gas

JUL 14 2021

•		Offsite		oduction Water Plan als for Unconvention						
Facility Name	Address	Address		City	State	Zip	Phone	County	State	Permit Number
CWS Trucking Inc.	P.O. Box 391			Williamstown	wv	26187		Noble	ОН	3390
•					1					
Broad Street Energy LLC	37 West Broad Street	Suite 110	10	Columbus	ОН	43215	740-516-5381	Washingotn	ОН	8462
									<u> </u>	
LAD Liquid Assets Disposal Inc.	226 Rankin Road			Washington	PA	15301	724-350-2760	Ohio	wv	USEPA WV 0014
Trial Francisco	100.0-1100	-		0	-	45773	740 516 6031	Noble	ОН	4037
Triad Energy	PO Box 430		_	Reno	ОН	45//3	740-516-6021 740-374-2940	Noble	lon .	4037
					+	+	740-374-2340	<u> </u>	 	
Fri County Waste Water Management, Inc.	1487 Toms Run Road	+		Holbrook	PA	15341	724-627-7178	Greene	PA	TC-1009
							724-499-5647			
		1								
ing Excavating Co. Advance Waste Services	101 River Park Drive			New Castle	PA	16101		Lawrence	PA	PAR000029132
						ļ		_		
Waste Management - Meadowfill Landfill	Rt. 2, Box 68 Dawson Drive			Bridgeport	wv_	16330	304-326-6027	Harrison	wv	SWF-1032-98
					-	<u> </u>	ļ. ————			Approval #100785WV
Waste Management - Northwestern Landfill	512 E. Dry Road			Parkersburg	- w	26104	304-428-0602	Wood	w	SWF-1025 WV-010940
waste Management - Northwestern Landin	SIZE. DIY ROBU	+ -		raikeisbuig	+***	20104	304-420-0002		1	000 2020 00 0200 0
APEX Landfill	11 County Road 78	PO Box 5	57	Amsterdam	ОН	43903	740-543-4389	Jefferson	ОН	06-08438
		+	-		1					
Advanced Disposal - Chestnut Valley Landfill	1184 McClellandtown Road			McClellandtown	PA	15458	724-437-7336	Fayette	PA	100419
Westmoreland Sanitary Landfill	901 Tyrol Boulevard			Belle Vernon	PA	15012	724-929-7694	Westmoreland	PA	100277
		<u> </u>		ļ	_	_	<u> </u>	<u> </u>	ļ	
Austin Master Services	801 North 1st Street	ļ		Martins Ferry	ОН	43935	740-609-3800	Belmont	ОН	2014-541
and the second second	77505 G. F. M	-		Cadia	-	42007	740 043 1730	Hassisan	ОН	2015-511
Belmont Solids Control	77505 Cadiz-New Athers Road	-		Cadiz	ОН	43907	740-942-1739	namson	ion	2013-311
Diversified Resources	3111 Braun Rd.	-		Belpre	ОН	45714	740-401-0413	Washington	ОН	
oversinea resources	SIII braur tu.	+		l cipic	10	143724	740 402 0425			
<u>-</u>		+			1	٠.	240 540 4542			34-031-27177
		1		Coshocton	ОН	43812	740-610-1512 724-591-4393		ОН	34-031-27178
Buckeye Brine	23986 Airport Road						724-391-4393	Coshocton		34-031-27241
							ļ			
Central Environmental Services	28333 West Belpre Pike			Coolville	ОН	45723	304-488-0701	Athens	ОН	
	Locce VIII Bard	+ .		Onlare	ОН	45714	220 222 5041	Washington	ОН	34-119-2-8776
Nuverra - Nichols	10555 Veto Road			Belpre	104	45/14	330-232-5041	washington	lon .	34-113-2-0770
Nuverra - Goff	9350 East Pike Road	+		Norwich	ОН	43767	330-232-5041	Muskingum	ОН	34-167-2-3862
1446110 - 0011	JJJJ Edji i ike noda	+			1	1	1		1	
Nuverra - Wolf	5480 State Route 5			Newton Falls	ОН	44444	330-232-5041	Trumbull	ОН	34-155-2-1893
	m					1				
Nuverra - Pander	5310 State Route 5			Newton Falls	ОН	44444	330-232-5041	Trumbull	ОН	34-155-2-3795
-		<u> </u>			4	1	<u> </u>	<u> </u>	1	24455 7 7407
Nuverra - AnnaRock D-1	3549 Warner Road 3 C	; <u> </u>	8	Epwler Ti	ОН	44418	330-232-5041	Trumbuli	ОН	34-155-2-2403
	9.9			<u>ш</u>		1		<u> </u>		
	13549 Warner Road en all all all all all all all all all al	4	Oil and Gas	CEIVED.						
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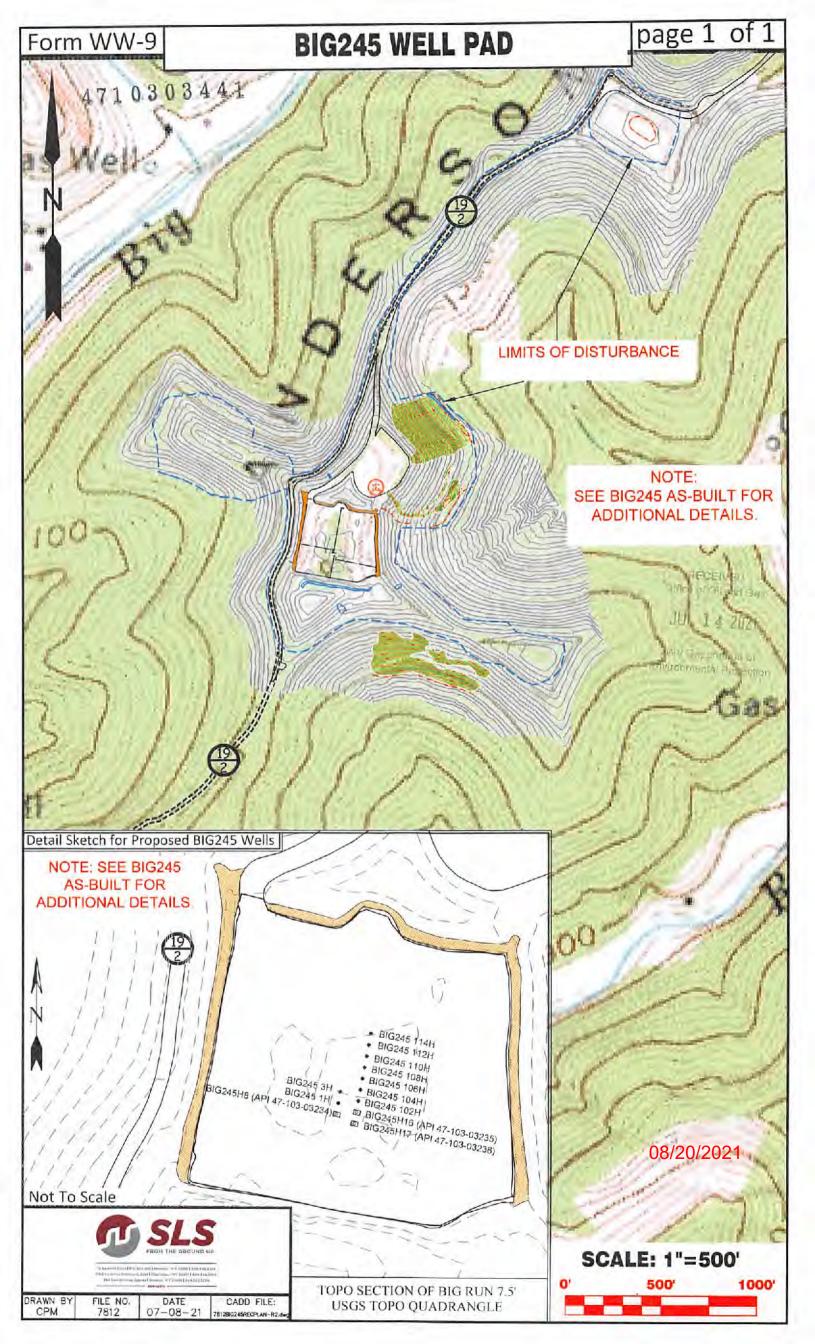
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		Reno	ОН	45773	740-374-2940 412-443-4397		ОН	
FQ Helen	199 Bowersock Road			13773	740-236-2135	Washington	15	34-167-2-9577
					1.10 -00 0-00	, and the second		
			ĺ		740-374-2940			
		Dexte	r City OH	45727	412-443-4397		он	34-121-24037
FQ Dexter	38505 Marietta Rd.				740-236-2135	Noble	J	34-121-24086
		1 1			740-374-2940	1		Ì
		Ellent	oro WV	26346	412-443-4397		wv	
FQ Ritchie	122 Lonesome Pine Rd				740-236-2135	Ritchie		47-085-09721
					ļ		-	24 405 2 2610
					740-374-2940			34-105-2-3619 34-105-2-3652
		Portla	nd OH	45770	412-443-4397		ОН	34-105-2-3637
FQ Mills	53610 TS Rd 706				740-236-2135	Meigs		34-105-2-3651
1 Q WILLS	33010 13 Na 700			+	 	IVICIGS		5, 105 1 5051
		-				 	l	
Petta Enterprises - OH	745 North 3rd Street	Camb	ridge OH	43725	614-477-1368	Guernsey	ОН	Ohio Chiefs Order 25-019
Petta Enterprises - WV	38 Technology Dr.	Tride	phia WV	26059	740-255-5727	Ohio	wv	
Deep Rock Disposal	2341 OH-821	Marie	tta OH	45750	304-629-0176	Washington	он	34-167-2-9766

WV Department of Environmental Protection

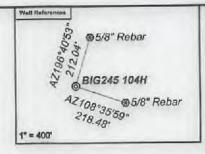
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JUL 14 2021



BIG245 104H **BIG245 EQT Production Company**

ract I.D.	Tax Map No.	Parpel No.	County	District	Surface Tract Owner	Acres
1	8	22	Wetzst	Grant	ET Blue Grass LLC	138.93
2	8	21	Wetzel	Grant	Yory Joe Wiley	76.27
2	8	24	Weitzel	Grant	H. Dom Higginbathem	7,10
4	8	30	Wetzel	Grant	H. Dom Higginbotrem	23.62
5	8	53	Wetzel	Grant	H. Dorn Higgenbeham	195.21
ò	13	17	Wetzel	Grant.	Mary Higginbothsm	112.00
7	13	0	Wetzel	Grant	Mary Higginoethem	30.10
B	8	1.6	Wetzel	Geant	Ut Real	51.00
9	8	13.1	Wetzwi	Grant	Duane M. Goodnen	3,56
10	R	7	Wetzel	Grant	James E. & Martin A. Stoneking	19,12
11	8	8	Westzel	Grant	Wanda L. Byero	59.18
12	8	15	Wetre	Granc	John Michiel Byard	71,00
13	0	22	Wetzel	Grand.	James A. Yoho	17,80
14	В	29	Wetzel	Grant	Mary Jone Byard	15,00
15		28	Wetzel	Grani	James A. Yoho	81.00
16		25	Watzel	Grant	James A. Yeho	6:25
17	6	26	Wetzel	Grant	James A. Voho	23.75
1B		31	Wetzel	Grant	James A. Yeho	3.00
10	8	30	Wetzel	Grant	James A. Yoho	7.50
20	-	-11	Wetzel	Grant	Sonnie M. Hanthorne	63.50
21	8	23	Weitzel	Grant	Dale K. Dulavey, et al.	20.81
22		38	Wetzel	Grant	Dale K. & Sharry L. Duteney	25.62
23	8	45	Wetzel	Grant	Donald J. Dulaney	9.83
24	8	40	Wetzsal	Grant	Donald J. Dulaney	1.00
25	8	51.2	Watzel	Grant	Gerald D. Walls, et al.	2.62
26	8	51.1	Wetzał	Grant	Henry E. Willey	0.19
27	8	52	Wetzni	Grant	Henry E. Willey	0.26
28	8	30.1	Wetzal	Grant	Henry E. Willey	0.12
29	8	51	Watral	Grant	Henry E. Willey	2.34
30	B	55	Wetzel	Grant	Mansal L. McDiffitt, et al.	9.25
31	13	7	Watzal	Grant	Mansal L. McDiffitt, et al.	51.10
		B.	-	_		36.00
32	13	40	Watzal	Grant	Robert Cole James A. Yoko	0.80
34		_	Weizel	Grant	H. Dom Higginbothsm	0.45
	8	41	-	Grant	Joe Pigg	82.40
36	8	32	Wetzel	Geart	Sheriyn Snider	55.52
	-	_	Wetzel	-	Sherilyn Snicker	20.00
38	14	7	Wetzel	Grant Grant	Norman Derby	83.00
-		-	Wetzel	Grant	NA NA	0.00
3R 40	13	27.1	Weize	Grant	Jesemy Collins	148.70
_	13	-	-		- United the second	_
41	12	15	Wotre	Grant	Robert Cole	27.71
42	13	20	Wetzel	General	Charles W. & Sierre R. Lemby	40.40
43	12	-40	Wester	Grant.	David Willey Life Estate Shirtley A. Titus	-
		12	Wetzel	Grant		41,90
45	B	12.1	Wetzel	Grant.	Dale F. Sapp	10,10
40	8	10	Wetzel	Grant	Garland E. Minor	45,10
47	8	10	Wetze	Grant:	Phillip Shreve	46.46
48	8	18	Wetzel	Grant	Coastal Forest Resources Company	337.0
49	8	23.1	Wetzel	Grant.	James L. Dulaney	3.10
50	8	37	Wetzel	Grant.	James L. & Karen Disaney	14.10
51		-36	Wetzel	Grant	James L. & Karen Dulaney Deborah Francesk	14.10

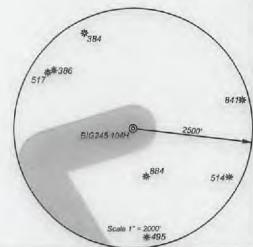


Notes:
BIG245 104H coordinates are
NAD 27 N: 400,708.95 E: 1,698,782.52
NAD 27 Lat: 39,595259 Long: -90,568928
NAD 83 UTM N: 4,382,934.52 E: 537,028.76
BIG245 104H Landing Point coordinates are
NAD 27 N: 399,466.24 E: 1,697,012.06
NAD 27 Lat: 39,591790 Long: -80,575157
NAD 83 UTM N: 4,382,5548.89 E: 536,495.66 NAD 83 UTM N: 4,382,545.89 E: 536,495.66
BIG245 104H Bottom Hole coordinates are
NAD 27 N: 396,480.58 E: 1,698,806.08
NAD 27 Lat: 39,583652 Long: -80,568665
NAD 83 UTM N: 4,381,646.41 E: 537,057.39
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.

meridian. UTM coordinates are NAD83, Zone 17, Meters

BIG245 @ BIG245 114H @ BIG245 112H @ BIG245 110H @BIG245 108H **⊘**BIG245 106H @ BIG245 104H @BIG245 102H @ 47-103-03235 47-103-03234© @ 47-103-03236

Lease No.	Owner	Acres
102836	Shiben Estates, Inc., et al.	192
125426	Three Rivers Royalty II LLC, et al.	64
121160	Acropolis, Inc., et al.	80
125383	Donald Snodgrass, Jr. and Mary Eastham, et al.	26
106285	Fredric G. Richter, et al.	40





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



FILL ING. 240	10
DRAWING NO:	BIG245 104H
SCALE: 1	I" = 2000°
MINIMUM DEGR	REE OF ACCURACY:
	CE OF ELEVATION:

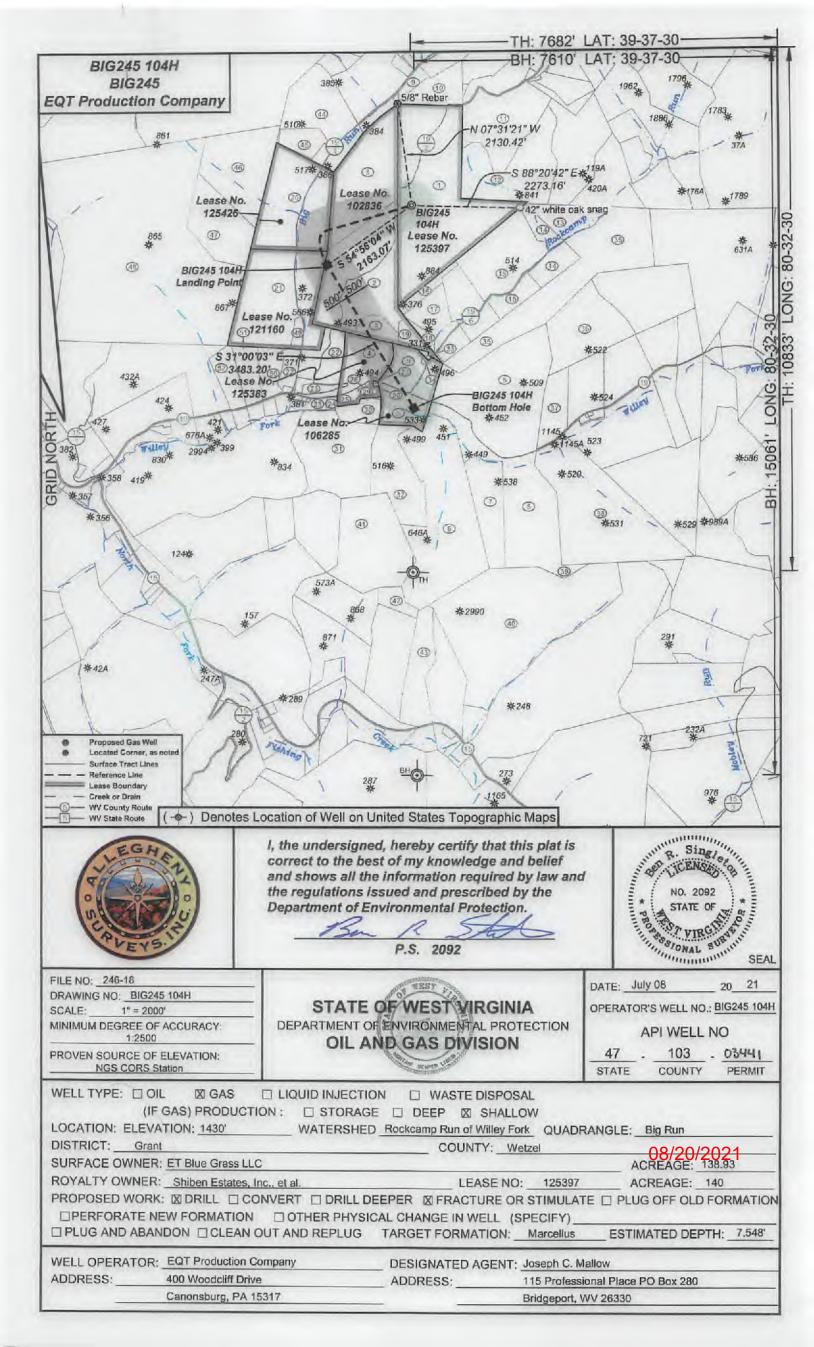
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION

DATE:	July	08	20	21
OPERA	TOR'S	WELLN	O.: BIG245	104H

API WELL NO . 03441 103 47 STATE COUNTY PERMIT

	The state of the s	CITIE COUNTY TERMIN
WELL TYPE: ☐ OIL ☑ GAS ☐ LI (IF GAS) PRODUCTION:	QUID INJECTION ☐ WASTE DISPOSAL ☐ STORAGE ☐ DEEP ☒ SHALLOW	
LOCATION: ELEVATION: 1430	WATERSHED Rockcamp Run of Willey Fork QUADI	RANGLE: Big Run
DISTRICT: Grant	COUNTY: Wetzel	08/20/2021
SURFACE OWNER: ET Blue Grass LLC		08/20/2021 ACREAGE: 138.93
ROYALTY OWNER: Shiben Estates, Inc., et	al. LEASE NO: 125397	ACREAGE: 140
PROPOSED WORK: ☑ DRILL ☐ CONVE	RT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULA	TE PLUG OFF OLD FORMATION
□PERFORATE NEW FORMATION □	OTHER PHYSICAL CHANGE IN WELL (SPECIFY)_	
□ PLUG AND ABANDON □ CLEAN OUT A	AND REPLUG TARGET FORMATION: Marcellus	ESTIMATED DEPTH: 7.548'
WELL OPERATOR: EQT Production Compar	DESIGNATED AGENT: Joseph C. M	Mallow

400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280 ADDRESS: Canonsburg, PA 15317 Bridgeport, WV 26330



WW-6A1 (5/13)

Operator's	Well	No. BIG245	104H
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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

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JUL 1 4 2021

WV Department of Environmental Protection

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

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

Operator's Well No.

se No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
				"at least 1/8th per	
125397	Shiben Estates, Inc., et al.			WV Code 22-6-8*	
	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
				"at least 1/8th per WV Code 22-6-8"	
<u>102836</u>	Shiben Estates, Inc., et al. S. I. Robinson	192 ac	Philadelphia Company	WV Code 22-0-0	DB 47/469
	The Philadelphia Company of West Virginia	132 00	Pittsburgh & West Virginia Gas Company		OG 22A/352
	Pittsburgh & West Virginia Gas Company		Equitable Gas Company		DB 187/321
	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
				"at least 1/8th per	
<u>125426</u>	Three Rivers Royalty II LLC, et al.			WV Code 22-6-8"	00.51.400
	William Swisher and Mary E. Swisher, his wife	64 ac	Hope Natural Gas Company Equitable Gas Company		OG 5A/128 OG 44A/380
	Hope Natural Gas Company Equitable Gas Company		Equitrans, Inc.		OG 71A/453
	Equitrans, Inc., et al		Equitrans, LP		Misc. Book 105/908
	Equitrans, L.P.		•		OG 131A/81
	Equitais, E.F.		EQT Production Company		OG ISIAWI
121160	Acropolis, Inc., et al.			"at least 1/8th per WV Code 22-6-8"	
	A. C. Higginbotham and Jessie Higginbotham,				
	his wife, et al	80 ac	Pittsburgh and West Virginia Gas Company		OG 39A/236 DB 187/321
	Pittsburgh & West Virginia Gas Company Equitable Gas Company		Equitable Gas Company		OG 71A/453
	, , ,		Equitrans, Inc.		Misc. Book 105/908
	Equitrans, Inc., et al		Equitrans, LP		
	Equitrans, L.P.		EQT Production Company		OG 131A/81
125383	Donald Snodgrass, Jr. and Mary Eastham, et al.			"at least 1/8th per WV Code 22-6-8"	
	Dora Kohn, widow, et al	26 ac	Equitable Gas Company		OG 44A/87
	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
480000	Fundado O Biolego et al			"at least 1/8th per	
<u>106285</u>	Fredric G. Richter, et al. John E. Snnider and Mahalia A. Snider, his wife	40 ac	John Lavelle	WV Code 22-6-8*	DB 76/239
	John Lavelle	+U OL	Equitable Gas Company		Unrecorded
	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
					RECI Office of C

ffice of Oil and Gas

JUL 1 4 2021



4710303441

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 104H

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

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Office of Oil and Gas

JUL 1 4 2021

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

		NOTICE CERTIFICAT	ION	T = 5 \si	2.
D. C. CN. C	ce Certification: 711312021		API No. 4-7	103	03441
Date of Notic	e Cermication: 115/2021		Operator's We	II No. 104H	
in the Same	Constitution of the Consti		Well Pad Name	e. bio243	
Notice has l	been given:				ura vra e
	ne provisions in West Virginia Code	e § 22-6A, the Operator has pro	ovided the require	d parties w	ith the Notice Forms listed
	tract of land as follows:			00.000	
State:	West Virginia	UTM NAD 83		028.754	
County:	Wetzel			2934.519	
District:	Grant	Public Road Ac		19/2	
Quadrangle:	Big Run	Generally used	farm name: ETI	Blue Grass LL	С
Watershed:	Rockcamp Run of Willey Fork				
Pursuant to	west Virginia Code § 22-6A, the Carator has properly served the requi	Operator has attached proof to		ication	OOG OFFICE USE
*PLEASE CH	ECK ALL THAT APPLY				ONLY
☐ 1. NO	TICE OF SEISMIC ACTIVITY of	or NOTICE NOT REQU SEISMIC ACTIVITY WA		100	RECEIVED/ NOT REQUIRED
☐ 2. NO	TICE OF ENTRY FOR PLAT SUF	RVEY or NO PLAT SUR	VEY WAS COND	UCTED	☐ RECEIVED
■ 3, NO	TICE OF INTENT TO DRILL 0	notice not required notice of entry for was conducted or			RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER	BY SURFACE O	OWNER	

Required Attachments:

5. PUBLIC NOTICE

6. NOTICE OF APPLICATION

4. NOTICE OF PLANNED OPERATION

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

(PLEASE ATTACH)

Office of Oil and Gas

JUL 1 4 2021

▼ RECEIVED

▼ RECEIVED

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WW-6AC (1/12)

Certification of Notice is hereby given:

6A. I certify that above, to the re- signature confirm in this Notice O	at as required under West Virginia quired parties through personal ser mation. I certify under penalty of la Certification and all attachments,	Code § 22-6A, I have so rvice, by registered mail to that I have personally and that based on my i	the notice requirements within West Virginia Code § 22- erved the attached copies of the Notice Forms, identified or by any method of delivery that requires a receipt or examined and am familiar with the information submitted nquiry of those individuals immediately responsible for
			d complete. I am aware that there are significant penalties
for submitting fa	alse information, including the possi	bility of fine and impriso	nment.
Well Operator:	EQT Production Company	Address:	400 Woodcliff Drive
By:	John Zavatchan		Canonsburg, PA 15317
Its:	Project Specialist - Permitting	Facsimile:	412-395-2974
Telephone:	724-746-9073	Email:	jzavatchan@eqt.com
Mycon	wealth of Pennsylvania - Notary Seal becca Shrum, Notary Public Beaver County nmission expires March 9, 2024 mmission number 1267706 Pennsylvania Association of Notaries	Subscribed and swo febro My Commission Ex	orn before me this 13th day of July 2021. Notary Public prices March 9, 2024

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 www.gov.

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Office of Oil and Gas

JUL 1 4 2021

WV Department of Environmental 08/20/2021

WW-6A (9-13) API NO. 47- 1 0 3 0 3 4 4 1

OPERATOR WELL NO. 104H

Well Pad Name: BIG245

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS $\frac{\text{NOTICE OF APPLICATION}}{\text{NOTICE OF APPLICATION}}$

Notice Time Requirement: notice shall be provided no later in	an the thing date of permit application.
Date of Notice: 7/12/2021 Date Permit Application Filed: 7	3,2021
✓ PERMIT FOR ANY WELL WORK CONSTRUCTION OF	PROVAL FOR THE AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-1	0(b)
' <u></u>	HOD OF DELIVERY THAT REQUIRES A EIPT OR SIGNATURE CONFIRMATION
registered mail or by any method of delivery that requires a receipt sediment control plan required by section seven of this article, and the surface of the tract on which the well is or is proposed to be loc oil and gas leasehold being developed by the proposed well work, described in the erosion and sediment control plan submitted pursu operator or lessee, in the event the tract of land on which the well pmore coal seams; (4) The owners of record of the surface tract or to well work, if the surface tract is to be used for the placement, consimpoundment or pit as described in section nine of this article; (5) have a water well, spring or water supply source located within one provide water for consumption by humans or domestic animals; an proposed well work activity is to take place. (c)(1) If more than the subsection (b) of this section hold interests in the lands, the application of this article to the contrary, notice to a lien holder is not provision of this article to the contrary, notice to a lien holder is not expected.	ant may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any of notice to a landowner, unless the lien holder is the landowner. W. Va. provide the Well Site Safety Plan ("WSSP") to the surface owner and any
 ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ SURFACE OWNER(s) Name: See Attached List 	 ☑ Well Plat Notice is hereby provided to: ☑ COAL OWNER OR LESSEE Name: See Attached List
Address:	Address:
Name:Address:	☑ COAL OPERATOR Name: ACNR Resources, Inc.
SURFACE OWNER(s) (Road and/or Other Disturbance) Name: See Attached List Address:	Address: 46226 National Road St. Clairsville, OH 43950 SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name:Address:	Name:Address:
SURFACE OWNER(s) (Impoundments or Pits) Name: Address:	OPERATOR OF ANY NATURAL GAS STORAGE FIELD Name: Equitrans Midstream c/o Gerald Smith Address: 2200 Energy Drive Canorisburg, PA 15317 Office of Operators
	*Please attach additional forms if necessary JUL 1 4 2021

471 03 0 3 4 4 1

API NO. 47OPERATOR WELL NO. 184H

Well Pad Name: 816245

TRUBIVEL

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 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 erosion 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. St., Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-pass-pages/default.uspx.

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 lake 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

API NG 47-1 0 3 0 3 4 4 1

OPERATOR WELL NO. 104H

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 as 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
(304) 926-0450

JUL 1 4 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. 47-	
OPERATOR WELL N	O. 104H
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 § 22-6 Λ -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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JUL 1 4 2021

WV Department of Environmental Protection

WW-6A (8-13)

4710303441

OPERATOR WELL NO. 104H

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:

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.

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, 2021 Notary Public

My Commission Expires Warch 9, 2024

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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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WV Department of
Environmental Protection

4710303441 1" = 1000' Big Run 7.5' Scale: ____ Topo Quad: June 24, 2021 Wetzel County: Date: Project No: 246-34-G-18 Grant District: Water **BIG 245** 6 Potential Water Sources within 2500' Ridge Site 8 ® Site 9 @ Site 6 Site 4(S) Site 5 ® Site 7 Site 3 @ Site 2 ® 2500 Site 1 ® RECEIVED Office of Oil and Gas JUL 1 4 2021 WV Department of Environmental Protection NAD 27, North Zone LEGEND Site 10 N: 400,723.70 Red Symbol - Declined Sampling E: 1,698,785.26 Blue Symbol - Requested Sampling / Unable to Contact WGS 84 Well Spring LAT: 39.595300 Pond @ Site 11 LONG: -80.568918 Building ELEV: 1430.00 PREPARED FOR: SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. **EQT Production Company** 1-800-482-8606 237 Birch River Road 400 Woodcliff Drive Birch River, WV 26610 Canonsburg, PA 15317 PH: (304) 649-8606 FAX: (304) 649-8608

4710303441

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		at least TEN (10) days prior to filing a termit Application Filed: 713702	permit application.
Delivery met	hod pursuant to West Virginia Code	§ 22-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIVE		FOLIESTED	
DELIVE	KI KETOKI KECEIFI K	EQUESTED	
receipt reques drilling a hor of this subsec subsection ma and if availab	ted or hand delivery, give the surface or zontal well: <i>Provided</i> , That notice give tion as of the date the notice was provid by be waived in writing by the surface of the, facsimile number and electronic mail	when notice of its intent to enter upon the pursuant to subsection (a), section telled to the surface owner: <i>Provided, how</i> when. The notice, if required, shall included address of the operator and the operator	an operator shall, by certified mail return the surface owner's land for the purpose of an of this article satisfies the requirements ever. That the notice requirements of this ade the name, address, telephone number, r's authorized representative.
	reby provided to the SURFACE O		
Name: See atta	chment	Name:	
Address:		Address:	
State: County:	West Virginia Wetzel	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing:	537028.754 4382934.519
District:	Grant		-4382934.519 CR 19/2
Quadrangle:	Big Run		BIG245
Watershed:	Rockcamp Run of Willey Fork	Generally used farm name.	5,5210
Pursuant to V facsimile nur related to hor	nber and electronic mail address of the izontal drilling may be obtained from	e operator and the operator's authorize the Secretary, at the WV Department o	ess, telephone number, and if available, description d
	reby given by:	37 Sec. 31 Sec. 31 Sec. 32 Au	
	T: EQT Production Company	Authorized Representative:	John Zavatchan
Address:	400 Woodcliff Drive	Address:	400 Woodcliff Drive RECEIVED
	Canonsburg, PA 15317		Canonsburg, PA 15317 Office of Oil and Gas
Telephone:	724-746-9073	Telephone:	724-746-9073
Email:	jzavatchan@eqt.com	Email:	jzavatchan@eqt.com
Facsimile:	412-395-2974	Facsimile:	412-395-2974
Oil and Gas	Privacy Notice:		412-395-2974 VVV Department o Environmental Protec

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.

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

RECEIVED
Office of Oil and Gas

JUL 1 4 2021

Operator Well No. BIG245 104H 4710303441

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

	Requirement: notice: 711212021			han the filing ion Filed:		application.
Delivery met	hod pursuant to W	est Virginia C	ode § 22-6A-	16(c)		
CERTII	FIED MAIL		☐ HANI)		
	RN RECEIPT REQU	ESTED		VERY		
return receipt the planned of required to be drilling of a lidamages to the (d) The notice of notice.	requested or hand deperation. The notice provided by subsection or izontal well; and the surface affected by as required by this see the provided to the	elivery, give the required by tion (b), section (3) A propose oil and gas opection shall be surface of	this subsection ten of this are disurface use perations to the given to the subwith the su	ner whose land on shall includenticle to a surfa and compense e extent the da urface owner a	will be used for le: (1) A copy ace owner whos ation agreemen mages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information is land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
Zanata Adams			at the time of	notice):		
	s listed in the record	s of the sheriff	at the time of			
Name: See atta Address: Notice is her	eby given:			Name: Address	ŭ.	well operator has developed a planned
Name: See atta Address:	eby given: /est Virginia Code § the surface owner's West Virginia Wetzel	22-6A-16(c), 1	notice is hereb	Name: Address by given that the ga horizonta UTM NAD 8	te undersigned of livell on the tra Easting:	well operator has developed a planned lot of land as follows: 537028.754 4382934.519 CR 19/2
Name: See atta Address: Notice is her Pursuant to W operation on State: County: District:	eby given: /est Virginia Code § the surface owner's West Virginia Wetzel	22-6A-16(c), 1	notice is hereb	Name: Address by given that the ga horizonta UTM NAD 8	te undersigned of livell on the tra Easting: Northing:	act of land as follows: 537028.754 4382934.519
Name: See atta Address: Notice is her Pursuant to W operation on State: County:	eby given: /est Virginia Code § the surface owner's West Virginia Wetzel	22-6A-16(c), t land for the pu	notice is hereb	Name: Address by given that the ga horizonta UTM NAD 8	te undersigned of livell on the tra Easting:	10t of land as follows: 537028.754 4382934.519 CR 19/2
Name: See atta Address: Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information to	eby given: /est Virginia Code § the surface owner's West Virginia Wetzel Grant Blg Run Rockcamp Run of Willey I Shall Include: /est Virginia Code § ed by W. Va. Code II; and (3) A proposed by oil and gas of elated to horizontal located at 601 57	22-6A-16(c), related for the pure fork 22-6A-16(c), e § 22-6A-10(b) ed surface use perations to the drilling may be	this notice shaped and compensate extent the documents.	Name: Address by given that the ga horizontal UTM NAD 8 Public Road Generally use all include: (1 owner whose ation agreeme lamages are come the Secret	te undersigned of l well on the tra Easting: Northing: Access: d farm name: A copy of this of land will be undersigned arm, at the WV	10t of land as follows: 537028.754 4382934.519 CR 19/2
Name: See atta Address: Notice is her Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to Wood to be provide horizontal we surface affect information the adquarters,	eby given: /est Virginia Code § the surface owner's West Virginia Wetzel Grant Big Run Rockcamp Run of Willey I Shall Include: /est Virginia Code § ed by W. Va. Code ell; and (3) A propose ted by oil and gas of elated to horizontal located at 601 57 inult.aspx.	22-6A-16(c), the pure state of	this notice shaped and compensate extent the documents.	Name: Address by given that the ga horizontal UTM NAD 8 Public Road Generally use all include: (1 owner whose ation agreeme lamages are come the Secret	te undersigned of l well on the tra Easting: Northing: Access: d farm name: A copy of this of land will be undersigned arm, at the WV	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
Name: See atta Address: Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information theadquarters, gas/pages/def	eby given: /est Virginia Code § the surface owner's West Virginia Wetzel Grant Big Run Rockcamp Run of Willey I Shall Include: /est Virginia Code § ed by W. Va. Code ell; and (3) A propose ted by oil and gas of elated to horizontal located at 601 57 inult.aspx.	22-6A-16(c), the pure state of	this notice shaped and compensate extent the documents.	Name: Address by given that the ng a horizonta UTM NAD 8 Public Road Generally use all include: (1 owner whose ation agreeme amages are come the Secret WV 25304	the undersigned of a Well on the transport of the second of this containing arompensable understand ary, at the WV (304-926-0450)	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. RECEIVED

Office of Oil and Gas

JUL 1 4 2021

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 12359 Willey Fork Rd.
 Pine Grove, WV 26419
- 04-8-22
 ET Blue Grass, LL¢.
 P.O. Box 6135
 Pittsburgh, PA 15212

RECEIVED
Office of Oil and Gas

JUL 1 4 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

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

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

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 104H 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

Cc: Becky Shrum

EQT Production Company

CH, OM, D-6

File

RECEIVED Office of Oil and Gas

JUL 1 4 2021

Anticipated Frac Additives Chemical Names and CAS Numbers

Material	Ingredient	CAS Number
Sand (Proppant)	Silica Substrate	14808-60-7
Water	Water	7732-18-5
Hydrochloric Acid (HCl)	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 14 2021

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

WYDER OOG ACCEPTED AS-BUILT 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 TAX PARCEL: GRANT DISTRICT, WETZEL COUNTY, WV MAP 08 PARCELS 08, 14, 21, 22

SURFACE OWNER

WANDA L. BYARD MAP OS PARCEL OS GRANT DISTRICT, WETZEL COUNTY, WV TOTAL PROPERTY AREA: 59.16 +/- ACRES

MAP OS, PARCEL 14 CRANT DISTRICT, WETZEL COUNTY, WY TOTAL PROPERTY AREA: 51.0 44 ACRES

TOTAL PROPERTY AREA, 78.27 -1- ACRES

MAP DS, 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 H. ACRES

LOCATION COORDINATES

EQT BIG 245 CONSTRUCTION ENTRANCE AT TUDE 39 595600 LONGITUDE -60 567800 (NAD 83)

EQT B G 245 WELL PAD CENTER LATITUDE: 39.595402 LONGITUDE: 80.568746 (NAD 83)

EOT BIG 245 AST TANK CENTER LATITUDE: 39.59921 LONGITUDE: 40.56805 (NAD 65)

PROJECT DATUM

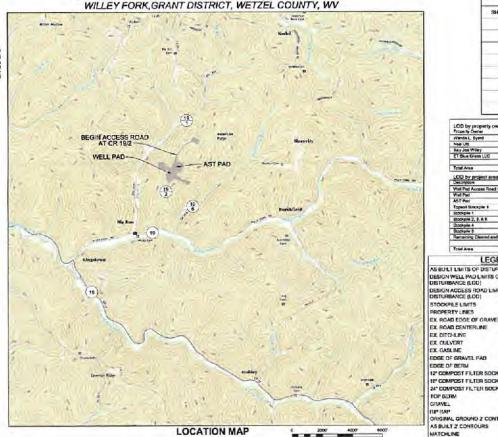
NAD 27 WY NORTH

SURVEY NOTE

THE CERTIFICATION OF THIS DRAWING APPLIES ONLY TO THE TOPOGRAPHIC MAPPING AS GENERATED FROM THE FIELD DATA OBTAINED AT THE TIME OF THE FIELD SURVEY ON 2/08/19, 2/13/19. 21479, 21579, 21679, 21979, 22279, 22679, 30619, 30619, 30619, 3178, 31219, 31219, 31479, 40649, 41679, 41179 AND DRONE FLIGHTS ON 3/11/19, 3/12/19, 4/11/19, \$ 06/01/21.

MISS UTILITY STATEMENT

MISS UTILITY OF WEST VIRGINIA WAS NOTED FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN: TICKET #2114789767.



BIG RUN QUADRANGLE WEST VIRGINIA 7.5 MINUTE SERIES

OPERATOR

EQT PRODUCTION COMPANY OPERATOR ID: 306686 PHONE: (304) 348-3870

ENGINEER

STANTEC CONSULTING,INC 111 ELKINS STREET FAIRMONT, WV 28554 PHONE: (304) 367-9401

SURVEYOR

SMITH LAND SURVEYING, INC. PO BOX 150 12 VANHORN DRIVE GLEWILLE, WY 28351 PHONE: (304) 462-5634

SCALE: 1"=2000"

LIST OF DRAWINGS					
SHEET NO. DESCRIPTION					
1	COVER SHEET				
2	INDEX SHEET				
3	AS-BUILT PLAN SHEET				
4	AS-BUILT PLAN SHEET				
5	AS-BUILT PLAN SHEET				
6	AS-BUILT PLAN SHEET				
7	AS-BUILT PLAN SHEET				
	ACCESS ROAD AS BUILT PROFILE				

LOD by property owner Property Owner	Percel A	Plenned Total Disturbunce Area (Acres)	As-built Total Disturbance Area (Acres)	Wooded Area (Acres
Wanda L. Byard	488	4.05	5.82	5.62
Nos UII.	4-8-14	0.14	0.14	6.14
Rey Joe Wiley	4821	0.46	0.48	0.46
ET Blue Gross LLG	4822	29.07	31,80	31,80
Total Area	-		44.22	44.22

Description	LOO (Acres)	Widooed Area (Acres)
Well Ped Access Road Sta. 99+57 to 110+95	0.64	0.64
Well Pad	3.29	3.29
AST Pad	1.50	1,50
Topsoil Sixospile 1	1.26	1.26
Stockpile 1	4.28	4.26
Stockpile 2, 3, 4 E	4.35	4.25
Stockpile 4	2.01	2.01
Stockpile S	4.47	4.47
Remaining Cleaned and Grubbed Areas	22.42	22.42
Barton.	44.00	44.90

Total Area		44.72	44.27	1
LEGEND	SU	PPLEMEN	TAL LEGEN)
JULT LIMITS OF DISTURBANCE IN WELL PAD LIMITS OF IRBANCE (LOD) IN ACCESS ROAD LIMITS OF IRBANCE (LOD)	 EX GUARDE	IAIL	ER 3/11/2019 SURVE	e.
KPILE LIMITS ERTY LINES	 SU	PPLEMEN	TAL LEGENO)2
DAD EDGE OF GRAVELIDIRT DAD CENTERLINE TICHLINE	 to burner la	FILTER SOCK	R 08/01/2021 SURVE	*
ASLINE	-	PACKER MA	TETRAL STOCKPLES	
OF GRAVEL PAD		NAME	VOLUME (CY)	
OF BERM		1	91.834	
IMPOST FILTER SOCK		241	71,051	
MPOST FILTER SDCX		4	1.224	

LOL DEKW			TOTAL	194,000
GRAVEL				
RPRAP	59598888			
ORIGINAL GROUND Z CONTOURS				
AS BUILT 2 CONTOURS	***************************************		TOPSO	STOCKPILE
MATCHLINE			NAME	VOLUME (CY)
THE LUCKEY WASHINGTON	3555531		1	11,063
EX. FENCELINE			TOTAL	91,063
EX. OVERHEAD UTILITY				
EX. 20' GASLINE RIGHT OF WAY		. 0	I THE PRICE AS BUIL	I DHAWNES, DATES
EX. STRUCTURE			25-2399, A CORRECT	

o

EX. PIPELINE MARKER

AS-BUILT WELL LOCATIONS PROPOSED WELL LOCATIONS

ADJACENT WELL LOCATIONS

EX. POWER POLE

EX. GUY WIRE

AVER-COM, A COMMENT ON IN STOCK PILE VOLUME WAS ERRORIGUELY APPLIED TO STOCK PILE NO. OF THE WELL PAIL THE COMMENT ON BROOLD HAVE BEEN APPLIED TO STOCK PILE NO. 1 OF THE ACCESS HORD ALSO WEING STOCK PILE NO. 5 OF THE WELL PAID.





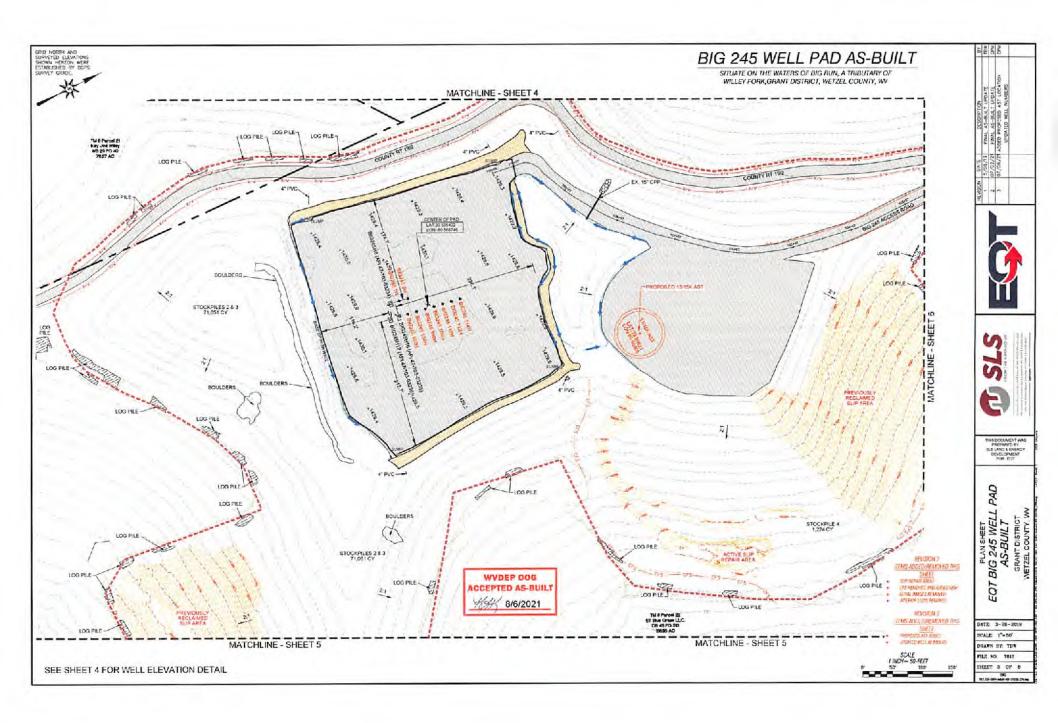




PAD BIG 245 WELL I AS-BUILT EQ7

DATE: 3-26-19 SCALE 1"-2000" DRAWN BY. THE

FILE NO. 7812 SHEET: 1 OF H TO THE SEN AND THE THE PARTY



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)

SITUATED ON THE WATERS OF BIG RUN, A TRIBUTARY OF

WILLEY FORK, GRANT DISTRICT, WETZEL COUNTY, WV

RECEIVED Office of Oll and Ch. JUL 1 4 20/1

LIST OF DRAWINGS

DESCRIPTION

COVER SHEET

INDEX SHEET

AS-BUILT PLAN SHEET

AS-BUILT PLAN SHEET

AS-BUILT PLAN SHEET

AS BUILT PLAN SHEET

AS BUILT PLAN SHEET

ACCESS ROAD AS-BUILT PROFILE

EX GUARDRAL

AS BUILT 2' CONTOURS

SHEET NO

5

. 7

A

LEGEND

AS BUILT LIMITS OF DISTURBANCE

DESIGN ACCESS ROAD LIMITS OF

EX ROAD EDGE OF GRAVEL/DIRT

ORIGINAL GROUND 2 CONTOURS

AS BUILT 2 CONTOURS

EX OVERHEAD UTILITY

EX PIPELINE MARKER

EX. 20 GASLINE RIGHT OF WAY

AS BUILT WELL LOCATIONS

PROPOSED WELL LOCATIONS ADJACENT WELL LOCATIONS

DESIGN WELL PAD LIMITS OF

STOCKPILETIMES

PROPERTY LINES

EX DITCHUNE

EX CULVERT

EX CASLINE EDGE OF GRAVEL PAD

RIP RAP

EX FENCELINE

EX STRUCTURE

EX POWER POLE

EX. GUY WIRE

EDGE OF BERM 12" COMPOST FILTER SOCK 1E COMPOST FILTER SOCK 24" COMPOST FILTER SOCK TOP BERM GRAVEL

EX. ROAD CENTERLINE

442

0

0

LOO by property owner Prusidy Divise Wandle Libyard New Ut. Ray Joe Wiley ET Blue Orese LLC

Total Area LOD by project area West Part Accresis Road Etc. (RP4.7 o West Part ASS Part

WY Dobacment o Environmental Protection







SUSTAND A ENERGY DEVILOPMENT

P

PAD

BIG 245 WELL AS-BUILT

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AS BUILT Z CONTOURS

330.0	
NAME	VOLUME (CY)
7	91,824
283	71,081
4	1,004
5	7 29,957
	DI UNUSED
TOTAL	- FULL P.

	ALC: NO PERSON NAMED IN
NAME	VOLUME (CV)
,	11.063
THE PERSON NAMED IN	The second second

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	Otto	111	ı
	100	181	
U	l g	Hi	1
with		111	i
A	1	1 1 1	

SUPPLEMENTAL LEGEND 2

ITEMS ACDED AFTER 06/01/2001 SURVEY COMPOST FILTER SOCK

SUPPLEMENTAL LEGEND

ITEMS ADDED AFTER 3/11/2019 SURVEY

201 447 7747

HAME	VOLUME (CY
7	91,824
283	71,061
4	1,224
5	7 29 957
	D+ DMUSED
EDITAL T	- ALCO A.

	ALC: NO PERSON NAMED IN
NAME	VOLUME (CV)
1	11.063
TOTAL .	The second second

SCALE 1'-2000 CHAMB BY FRE NO 7812 SHEET 1 OF B MUSIC HAR ME PORCE

EQT

DATE 3-26-19

PROJECT INFORMATION

PROJECT NAME EDT BIG 245 TAX PARCEL GRANT DISTRICT, WETZEL COUNTY, WV MAP OF PARCELS UP. 14-21, 22

SURFACE OWNER

WANDA L BYARD MAP DE PARCEL OF GRANT DISTRICT, WETZEL COUNTY, WV TOTAL PROPERTY AREA: 58 15 44 ACRES

MAP 08, PARCEL 14. GRANT DISTRICT WETZEL COUNTY WY TOTAL PROPERTY AREA 51 0 +/- ACRE

MAP 00, PARCEL 21 DRANT DISTRICT WETZEL COUNTY WV TOTAL PROPERTY AREA TE 27 + ACRES

ET BUILE GRASSILLE ET BLUE GRASS LLC GRANT DISTRICT, WETZEL COUNTY, WY TOTAL PROPERTY AREA 138.95 */- ACRES

OIL AND GAS ROYALTY OWNER

SHIBEN ESTATES, INC.
GRANT DISTRICT, WETZEL COUNTY, WY
TOTAL PROPERTY AREA: 140.0 • A ACRES

LOCATION COORDINATES

EQT BIG 245 CONSTRUCTION ENTRANCE LATITUDE 39 599600 LONGITUDE -80 597850 (NAD 80)

FOT BIG MA WELL PAR CENTER LATITUDE 39.595402 LONGITUDE -80.568746 MAD 831

EQT BIG 245 AST TANK CENTER LATITUDE 38 59021 LONGITUDE: -00 50005 (NA) 831

PROJECT DATUM

SURVEY NOTE

THE CERTIFICATION OF THIS DRAWING APPLIES ONLY TO THE TOPOGRAPHIC MAPPING AS GENERATED FROM THE FIELD DATA. DETAINED AT THE TIME OF THE FIELD SURVEY ON 2001/9, 2/13/16 21-219, 215-19, 216-19, 2001/9, 2021/9, 205-19, 205-19, 2001/9, 2001 211/19, 211/19, 211/19, 211/19, 2011/9, 211/19, 210/19 211/19, 211/19, 211/19, 211/19, 2011/9, 211/19, 2001 211/19, 211/19, 211/19, 211/19, 2001/21

MISS UTILITY STATEMENT

MISS UTILITY OF WEST VIRGINIA WAS NOTED FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN. TICKET #2: 14769767

> MISS Lithly of West Virginia 1-800-245-4848 West Virginia State Law (Eastern XIV, Chapter 24 C)

OPERATOR

EQT PRODUCTION COMPANY DEFRATOR ID: 305656 P.O. BOX 280 BRIDGEPORT, WV 26630 PHONE, (304) 348 3870

ENGINEER

STANTED CONSIATING, NO 11 PLKINS STREET FAIRMONT, WV 26584 PHONE (301) 367-9401

LOCATION MAP BIG RUN DUADRANGLE WEST VIRGINIA 75 MINUTE SERIES

SURVEYOR

SCALE 1"=2000"

SMITH LAND SURVEYING, INC. PO BOX 150 PO BOX 150 12 VANHORN DRIVE GLENVILLE, WV 20351 PHONE: (301) 162-5634