

west virginia department of environmental protection

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

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

Friday, August 3, 2018 WELL WORK PERMIT Horizontal 6A / New Drill

EQT PRODUCTION COMPANY 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for WEU4H10 47-095-02508-00-00

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: WEU4H10

Farm Name: DONNA J. PETER

U.S. WELL NUMBER: 47-095-02508-00-00

Horizontal 6A New Drill Date Issued: 8/3/2018

API Number: 47-095.02508

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

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

API Number: 47-095-02508

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, cessation of drilling, sending an email to DEPOOGNotify@wv.gov.

API NO. 47-95	_ 02508
OPERATOR WE	ELL NO. WEU4H10
Well Pad Nam	e: WEU4

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

1) Well Operator: EQT Produc	ction Company	306686	Tyler	Centervill	West Union
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: WE	EU4H10	Well P	ad Name: W	EU4	
3) Farm Name/Surface Owner:	Donna J Peter	Public Ro	oad Access:	//V-18	
4) Elevation, current ground:	1079 E	levation, propose	d post-constru	uction: 1079	
5) Well Type (a) Gas X Other	Oil	Un	derground St	orage	
(b)If Gas Sha	llow x	Deep			
Hor 6) Existing Pad: Yes or No Yes	izontal <u>X</u>			90B 121/201	3 DMH 7-31-18
7) Proposed Target Formation(s) Target formation is Marcellus at a d	, Depth(s), Antic	cipated Thickness e anticipated thickne	and Expecte	d Pressure(s):	
8) Proposed Total Vertical Depth	n: 6680				
9) Formation at Total Vertical D		s			
10) Proposed Total Measured De	epth: 11567				
11) Proposed Horizontal Leg Le	ngth: 3916				
12) Approximate Fresh Water St	rata Depths:	132,175,186,2	04		
13) Method to Determine Fresh	Water Depths:	By Offset wells			
14) Approximate Saltwater Dept	hs: 1128,1219,	1222			
15) Approximate Coal Seam Dep	pths: 230,281,6	96			
16) Approximate Depth to Possi	ble Void (coal m	ine, karst, other):	None repo	rted	
17) Does Proposed well location directly overlying or adjacent to				No X	Office of Oil and Gas
(a) If Yes, provide Mine Info:	Name:				AUG 1 2018
(a) it ies, provide wine into.	Depth:			E	WV Department of nvironmental Protection
	Seam:				
	Owner:				

				DOF		neren
ΔΙ	21	NO.	47-	095	-	02508

OPERATOR WELL NO. WEU4H10
Well Pad Name: WEU4

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	49 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	750	750	728 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	P-110	40	2865	2865	1126 ft^3 / CTS
Production	5 1/2	New	P-110	20	11567	11567	500' above top producing zone
Tubing	2 3/8		J-55	4.7		May not be run, if run set 40' above top perf or 80° inclination.	
Liners							

DAH 98B 7/31/2018

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	.312	1378	18	Class A	1.18
Fresh Water	13 3/8	17 1/2	.38	2700	2160	See Variance	1.19
Coal							
Intermediate	9 5/8	12 3/8	.395	3950	6320	Class H	1.07
Production	5 1/2	8 1/2	.361	12640	10112	Class A/H	1.123/2.098
Tubing	2 3/8	NA	.19	7700			
Liners							

PACKERS

Kind:	
	Office of Oil and G
Sizes:	and G
	AUG I 2011
Depths Set:	1 2018
	WV Department of Environmental Protect

API NO. 47- 95 - 02508

OPERATOR WELL NO. WEU4H10

Well Pad Name: WEU4

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 to an approximate depth of 4362'. Kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

DAY 9/1/2018

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 10000 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 400,000 pounds of proppant per stage.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): No Additional
- 22) Area to be disturbed for well pad only, less access road (acres): No Additional
- 23) Describe centralizer placement for each casing string:
- Surface: Bow spring centralizers One at the shoe and one spaced every 500'.
- Intermediate: Bow spring centralizers— One cent at the shoe and one spaced every 500'.
- Production: One solid body cent spaced every joint from production casing shoe to KOP

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

Conductor: Class A no additives

Surface (Type 1 Cement): 0-3% Calcium Chloride. Used to speed the setting of cement slurries, 25% Flake Loss Circulation Material (LCM)
Intermediate (Class H Cement): 0-3% Calcium Chloride. Used to speed the setting of cement slurries, 0.25% flake. Loss Circulation Material (LCM), 6% Super FL-300 (fluid loss/lengthens thickening time)

Stringer (Class H Cement); 0-3% Calcium Chloride. Used to speed the setting or cement surner. 0.25% Number of Class H Cement); 0-3% Calcium Chloride. Used to speed the setting or cement surner. 0.25% SuperFL-300 (fluid loss) 15% SEC-10 (fluid loss) 50:50 POZ (extender) Production:

Lead (Class A Cement); 0-2% CD-20 (dispersant makes cement easier to mix). 15% SuperFL-300 (fluid loss) 2% SEC-10 (fluid loss). 2% SuperFL-350 (fluid loss). Reduces amount 15% SuperFL-350 (fluid loss). 2% SuperFL-350 (fluid loss). 2% SuperFL-350 (fluid loss). 2% SuperFL-350 (fluid loss). Reduces amount 15% SuperFL-350 (fluid loss). 2% Super

25) Proposed borehole conditioning procedures:

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

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

Production: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume. Perform a cleanup cycle by pumping 3-5 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.

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 oil based 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. Oil based mud – synthetic base oil, emulsifier, salt, lime, viscosifer, alkalinity control, filtration control, deflocculates, biodegradable oil lubricant, defoaming, carbonates.

Office of Oil and Gas
MAY 1 8 2018

WW Department of Environmental Protection

EQT Production

Hydraulic Fracturing Monitoring Plan

Pad ID: WEU4

County Tyler

4/01/18

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Office of Oil and Gas

MAY **09** 2018

WV Department of Environmental Protection

Page 1 of 2

Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Tyler County, WV prior to hydraulic fracturing at the following EQT wells on WEU4 pad: WEU4H5, WEU4H6, WEU4H10, WEU4H11, WEU4H11, WEU4H13, WEU4H14, WEU4H15.

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.

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:

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

Reporting

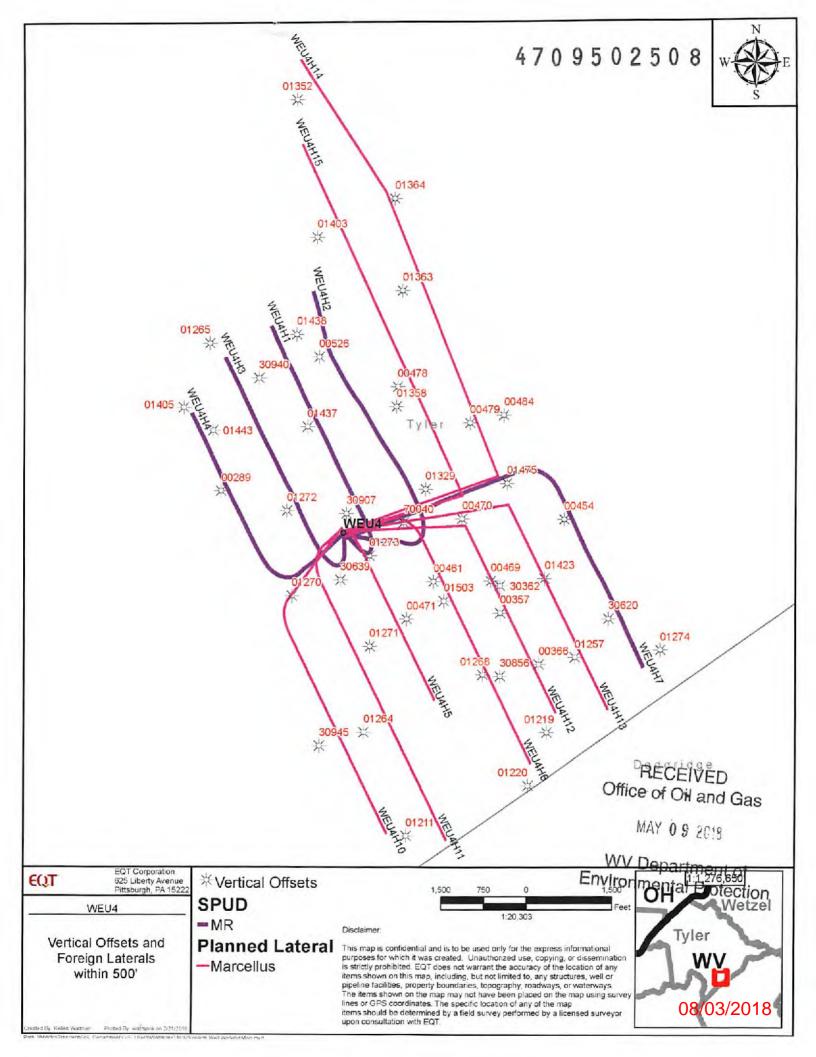
EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the EQE TO noted abnormalities.

MAY 0 9 2018

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		Completion Date	-	Elevation	Elevation Refere Final Status		Long	Well Name			TD Formation	Total Depth	
47095309070000 47095303620000	11/8/1959 9/2/1944		HOPE NATURAL GAS		UNKWN	39.3675		406 J L ASH 1		1/17/1902			30907
4709530620000	9/2/1944 4/27/1950	, .,	HOPE NATURAL GAS	1022		39.3640		1963 HAMMETT HEIRS 1			HURON LOWER		30362
47095308560000	5/19/1955		HOPE NATURAL GAS HOPE NATURAL GAS	905		39.3624		2085 E M B KEYS		1/12/1911			30620
47095306390000	6/14/1950		HOPE NATURAL GAS	968		39.3596		2202 JACOB C SMITH	5/4/1911				30856
47095004540000	10/28/1949		HOPE NATURAL GAS	956		39.3643		2261 S M JONES		6/17/1911			30639
47095309450000	12/7/1968	-,,	CONSOLIDATED GAS SUPPLY CORPORATION	1007	GR ABD-GW UNKWN	39.3672		2958 HATTIE B KEYS	5/1/1913	-,,	HURON LOWER	2886	00454
47095002890000	10/24/1962		STONESTREET LANDS	830		39.3563 39.3686		3420 KEYS HEIRS 3 1 J L ASH	4/6/1914				30945
47095003570000	10/23/1974		LENNOX OIL & GAS	947		39.3627		2 W A BRITTON	5/10/1960 7/18/1962	•	BIG INJUN /SD/		00289
47095004610001	20,20,201		EQUITABLE GAS COMPANY	919		39.3642		5488/1 LUCY DAVIS	8/10/1982		DEVONIAN/SD/		00357
47095004700001			EQUITABLE GAS COMPANY	1027		39.3672		1 LUCY DAVIS	3/24/1974		GORDON		00481
47095004690001			EQUITABLE GAS COMPANY	999		39.3642		5491 CARL PERKINS			DEVONIAN/SD/		00470
47095004710001			EQUITABLE GAS COMPANY	933		39.3624		5495 R E MOORE	8/2/1974		GORDON /SD/		00409
47095003660001			EQUITABLE GAS COMPANY	914		39.3602		3/5493/ CARL PERKINS	9/9/1974	.,	MISSISSIPPIAN		00366
47095004780000			EQUITABLE GAS COMPANY	1049		39.3736		6229 CARRIE ROBINSON	7/18/1976		BIG INJUN /SD/		00478
47095004790000			EQUITABLE GAS COMPANY	1010		39.3718		5503 ADDIE KEYS	5/17/1977		GANTZ /SD/		00479
47095005260000		4/23/1980	EQUITABLE GAS COMPANY	1045		39.3750		5507 B W PIESON	8/2/1979				00526
47095012110000		10/10/1987	CONSOL GAS COMPANY	970	KB GAS	39.3519		2 KEYS AUSTIN I	9/16/1987		DEVONIAN /SH/		01211
47095012190000		12/14/1987	CONSOL GAS COMPANY	937	KB GAS	39.3569		1 BAGLEY W M		-,,	DEVONIAN /SH/		01219
47095012200000		1/7/1988	CONSOL GAS COMPANY	827	KB GAS	39.3543		1 MORRIS BURKE			DEVONIAN /SH/		01220
47095012570000		10/24/1988	CONSOL GAS COMPANY	1030	KB 2GAS	39.3605	-80.8065	1 FREEMAN	10/8/1988	10/18/1988	DEVONIAN /SD/	5150	01257
47095012650000		11/8/1988	CONSOL GAS COMPANY	993	KB GAS	39.3757	-80.8292	1 DAVIS GARY W	10/15/1988	10/25/1988	DEVONIAN /SD/	4992	01265
47095012640000		11/15/1988	CONSOL GAS COMPANY	936	KB GAS	39.3569	-80.8196	2 KEYS AMOS	10/22/1988	11/1/1988	DEVONIAN /SD/	5022	01264
47095012720000			CONSOL GAS COMPANY	1024	KB GAS	39.3676	-80.8244	2 ASH HENRY & WILLIAM	1/10/1989	1/20/1989	DEVONIAN /SD/	5200	01272
47095012710000		2/11/1989	CONSOL GAS COMPANY	953	KB GAS	39.3611	-80.8192	1 LORKOVICH LEONA	1/17/1989	1/27/1989	DEVONIAN /SD/	5102	01271
47095012730000			CONSOL GAS COMPANY	1130	KB GAS	39.3654	-80.8193	3 ASH HENRY & WILLIAM	1/23/1989	2/2/1989	DEVONIAN /SD/	5300	01273
47095012700000			CONSOL GAS COMPANY	1072	KB GAS	39.3635	-80.8241	1 SMITH WILLIAM	1/29/1989	2/8/1989	DEVONIAN /SD/	5200	01270
47095012680000			CONSOL GAS COMPANY	1020		39.3597	-80.8122	1 CUMBERLEDGE ASIA DELL	2/3/1989	2/13/1989	DEVONIAN /SD/	5100	01268
47095013290000			CONSOL GAS COMPANY	1086		39.3686	-80.8158	1 STONEKING L B	11/7/1989	11/17/1989	BENSON /SD/	5200	01329
47095013580000			CONSOL GAS COMPANY	1034		39.3726		2 KEYS ADDIE	12/20/1989	12/30/1989	DEVONIAN /SD/	5100	01358
47095013630000			CONSOL GAS COMPANY	1107		39.3782		1 ANN FAYE	12/30/1989		DEVONIAN /SD/	5190	01363
47095014050000			ALLIANCE PETROLEUM CORPORATION	986		39.3726		3 1-A NICHOLS/DAVIS	7/9/1990) BEREA	2136	01405
47095014030000			CONSOL GAS COMPANY	1008		39.3808		2 LEGRANDE MARVIN	7/23/1990	., .,	DEVONIAN/SH/		01403
47095014230000			CONSOL GAS COMPANY	1166		39.3643		1 1 SINGER	8/15/1990		DEVONIAN /SD/		01423
47095013640000 47095014370000			CONSOL GAS COMPANY	1065		39.3826		2 ANN FAYE	9/1/1990		DEVONIAN/SD/		01364
47095014370000			CONSOL GAS COMPANY	982		39.3716		1 DOAK CLARA ETAL & SMITH	10/23/1990		DEVONIAN/SD/		01437
47095014430000			CONSOL GAS COMPANY	1054		39.3715		CONRAD1 DAVIS FANNY ETAL	11/22/1990		DEVONIAN/SD/		01443
47095012740000			CONSOL GAS COMPANY	1004		39.3761		2 DOAK CLARA ETAL & SMITH	11/29/1990		DEVONIAN /SD/		01438
47095012740000			CONSOL GAS COMPANY	1038		39.3609		1 WEEKLEY ISAIAH	12/24/1990		DEVONIAN /SD/		01274
47095015030000			CONSOL GAS COMPANY CONSOL GAS COMPANY	1192		39.3689		1 STONEKING BRUCE	5/10/1992	-,,	DEVONIAN /SD/		01475
47095309400000	7/5/1966	12/0/1992	HOPE NATURAL GAS	998		39.3633		1 PURSLEY A A	10/4/1992	10/14/1992	DEVONIAN /SD/	5100	01503
47095700400000	,,5,1900		CARTER OIL COMPANY		PSEUDO	39.3740		1489 BOWERS & DAVIS					30940
4709500484		7/20/1977		1137	PSEUDO GR STORAGE	39.3670		1 J L ASH				2000	70040
4709501352		12/1/1989		1096		39.3722 39.3874	-80.8109 -80.8237						00484
			THIT WILL	1090	On GAS	39.36/4	-80.8237					5170	01352

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Office of Oil and Gas



Office of Oil and Gas I 2018 (WEU4H10) Well **EQT Production** AUG West Union Quad Azimuth 155 Tyler County, WV 5417 **Vertical Section**

e: Diagram is not to scale	T	Base				Casing and Camanting			D	Z Z
	Тор					Casing and Cementing			Deepest Fresh Water:	
Formations	TVD	TVD _				Туре	Conductor	Surface	Intermediate	Production
Conductor	4	0	⊿			Hole Size, In.	30	17 1/2	12 3/8	8 1/2
						Casing Size, OD In.	26	13 3/8	9 5/8	5 1/2
Base Fresh Water	2	04	11111			Casing Wall Thickness, In.	0.312	0.380	0.395	0.361
			1111			Depth, MD	40'	750'	2,865'	11,567'
Surface Casing	1	50	4			Weight	85.6#	54.5#	40#	20#
200 200 200		Lu				Grade	A-500	J-55	A-500	P-110
Base Red Rock	11	01	111			New or Used	New	New	New	New
						Burst (psi)	1378	2,700	3,950	12,640
			111	(0.18)		Cement Class	A	A / Type 1	Н	A/H
Maxton	1838		111			Cement Yield	1.18	1.19	1.07	1.123 / 2.098
Big Lime Weir	2111 2403	- 2395 - 2450				Top of Cement (Planned)	Surface	Surface	Surface	500' above top Producing Zone
Gantz	2490	2507	111			Method	Displacement	Displacement	Displacement	Displacement
Fifty foot	2604	- 2659	1111			Est. Volume (cu ft)	49	728	1,126	1,893
Thirty foot Gordon Intermediate Casing Forth Sand Bayard	2770 28 2841	- 2744 - 2815 - 2903 - 3148				Possible Additives	N/A	Calcium Chloride	Calcium Chloride, Fluid Loss, Defoamer, Dispersant, POZ, Bonding Agent, Extender, Retarder, Flake/LCM	Calcium Carbonate, Fluid Loss Extender, Dispersent, Viscosifie Defoamer, POZ, Bonding Agent Retarder, Anti-Settling/Suspension Agent
Warren Speechley Balltown A Riley Benson Alexander Sonyea Middlesex Genesee Geneseo Tully Hamilton Marcellus Production Casing Onondaga	3460 3976 4574 4995 5242 6328 6449 6496 6570 6605 6626	- 4088 - 4864 - 5058 - 5324 - 6449 - 6496 - 6570 - 6605 - 6626 - 6649 - 6702			4,362*	Part N-31	48	Jeb 1/31/20	18	

Proposed Well Work:

Drill and complete a new horizontal well in the Marcellus formation.

Land curve @

6,680' TVD

7,651' MD

Drill the vertical to an approximate depth of 4362'.

Kick off and drill curve. Drill lateral in the Marcellus. Cement casing.

Est. TD@

6,680' TVD

11,567' MD

3.916' Lateral

WW-9 (4/16)

API	Number	47 -	95
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Operator's Well No. WEU4H10 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EQT Production Company	OP Code 306686	
Watershed (HUC 10) Tributary of Camp Mistake Run Quadrangle	West Union	
Do you anticipate using more than 5,000 bbls of water to complete the proposed v		
Will a pit be used? Yes V No		
If so, please describe anticipated pit waste: flowback and residual solid	ds	
Will a synthetic liner be used in the pit? Yes V No If	so, what ml.? 60	DAIL
Proposed Disposal Method For Treated Pit Wastes:		5-1410
Land Application	/	1 1776
Underground Injection (UIC Permit Number 0014, 84	162, 4037	all
Off Site Disposal (Supply form WW-9 for disposal loc Other (Explain	cation)	5/14/3
Will closed loop system be used? If so, describe: Yes, The closed loop system will remove disprepared for transportation to an off-site dis	rill cuttings from the drilling fluid. The drill cuttings are then sposal facility.	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater	er, oil based, etc. See Attached	
-If oil based, what type? Synthetic, petroleum, etc. Synthetic Mud		
Additives to be used in drilling medium? See Attached		
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landf	nii 🗸	
-If left in pit and plan to solidify what medium will be used? (cement, lir	me, sawdust) N/A	
-Landfill or offsite name/permit number? See Attached List		
Permittee shall provide written notice to the Office of Oil and Gas of any load of d West Virginia solid waste facility. The notice shall be provided within 24 hours of where it was properly disposed.	frill cuttings or associated waste rejected at any frejection and the permittee shall also disclose	y i
I certify that I understand and agree to the terms and conditions of the G on August I, 2005, by the Office of Oil and Gas of the West Virginia Department provisions of the permit are enforceable by law. Violations of any term or cond law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and an application form and all attachments thereto and that, based on my inquiry obtaining the information, I believe that the information is true, accurate, and penalties for submitting false information, including the possibility of fine or impricement Official Signature	of Environmental Protection. I understand that lition of the general permit and/or other applicant familiar with the information submitted on of those individuals immediately responsible complete. I am aware that there are significationment.	at the cable this e for icant
Company Official (Typed Name) Erin Spine	Office C	ECEIVED of Oil and Gas
Company Official Title Regional Land Supervisor	MAV	1 n o
Company Official Title 110g-0110 Early Copervisor		1 8 2018
Subscribed and sworn before me this H day of May	WV Dep Environmen , 20 18	partment of oital Protection
Duecca Dilantrock		m
My commission expires 4-7-2020	NOTARY PUBL	STREET
	amoutpout, we	29330 47507, 7030

Form WW-9

Proposed Revegetation Trea	tment: Acres Disturbed	No Additional Prevege	etation pH 6.3
Lime 3	Tons/acre or to cor	rect to pH 6.5	
Fertilizer type Gra	anular 10-20-20		
Fertilizer amount_1	1/3	lbs/acre	
Mulch 2		Tons/acre	
		Seed Mixtures	
Te	emporary		Permanent
Seed Type	lbs/acre	Seed Typ	
KY-31	40	Orchard Gras	s 15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		
provided). If water from the pacreage, of the land application	pit will be land applied, i on area.	and application (unless engineered planclude dimensions (L x W x D) of the	ans including this info have been e pit, and dimensions (L x W),
Maps(s) of road, location, pit provided). If water from the pacreage, of the land application of involved the complete section of in	pit will be land applied, i on area.	nclude dimensions (L x W x D) of the	ans including this info have been e pit, and dimensions (L x W),
Maps(s) of road, location, pit provided). If water from the acreage, of the land applicati	pit will be land applied, i on area.	nclude dimensions (L x W x D) of the	e pit, and dimensions (L x W),
Maps(s) of road, location, pit provided). If water from the paceage, of the land application of involved the provided section of involved the page of the land approved by:	pit will be land applied, i on area.	nclude dimensions (L x W x D) of the	e pit, and dimensions (L x W),
Maps(s) of road, location, pit provided). If water from the pacreage, of the land application of involved the pacreage of the land application of involved the pacreage of the land application of involved the pacreage of the land approved by:	pit will be land applied, i on area.	nclude dimensions (L x W x D) of the	e pit, and dimensions (L x W),
Maps(s) of road, location, pit provided). If water from the pacreage, of the land application of involved the pacreage of the land application of involved the pacreage of the land application of involved the pacreage of the land approved by:	pit will be land applied, i on area.	nclude dimensions (L x W x D) of the	e pit, and dimensions (L x W),
Maps(s) of road, location, pit provided). If water from the pacreage, of the land application of involved the pacreage of the land application of involved the pacreage of the land application of involved the pacreage of the land approved by:	pit will be land applied, i on area.	nclude dimensions (L x W x D) of the	e pit, and dimensions (L x W),

EQT Production Water plan

Offsite disposals for Marcellus wells

CWS TRUCKING INC.

P.O. Box 391 Williamstown, WV 26187 740-516-3586 Noble County/Noble Township Permit # 3390

LAD LIQUID ASSETS DISPOSAL INC.

226 Rankin Road Washington, PA 15301 724-350-2760 724-222-6080 724-229-7034 fax Ohio County/Wheeling Permit # USEPA WV 0014

TRI COUNTY WASTE WATER MANAGEMENT, INC.

1487 Toms Run Road Holbrook, PA 15341 724-627-7178 Plant 724-499-5647 Office Greene County/Waynesburg Permit # TC-1009

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Permit #SWF-1032-98 Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

BROAD STREET ENERGY LLC

37 West Broad Street
Suite 1100
Columbus, Ohio 43215
740-516-5381
Washington County/Belpre Twp.
Permit # 8462

TRIAD ENERGY

P.O. Box 430
Reno, OH 45773
740-516-6021 Well
740-374-2940 Reno Office Jennifer
Nobel County/Jackson Township
Permit # 4037

KING EXCAVATING CO.

Advanced Waste Services 101 River Park Drive New Castle, Pa. 16101 Facility Permit# PAR000029132

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Site Specific Safety and Environmental Plan

EQT
WEU4 Pad
Alma
Tyler County, WV

NEU4HS WEU4HO WEU4	1H10 WEU4HII WEU4HIQ	
WEU4413 WEU4H14	WEU4HI5	
Date Prepared: February 16, 2018 EQT Production	J GOB 5/14/2018	
Regional Land Supervisor	WV Oil and Gas Inspector Oil +6.5 Toggether Office of Oil and Gas	
514/2018 Date	Date MAY 1 8 2018 WV Department of Environmental Protects	

EQT Production Water Plan Offsite disposals for Marcellus wells

CWS TRUCKING INC.

P.O. BOX 391
Williamstown, WV 26187
740-516-3586
Noble County/Noble Township
Permit # 3390

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Waste Management - Meadowbrook Landfill

512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit # SWF-1025WV-0109400 Approval #100833WV

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Suite 1100
Columbus, Ohio 43215
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740-516-6021 Well
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Nobel County/Jackson Township
Permit # 4037

KING EXCAVATING CO.

Advanced Waste Services
101 River Park Drive
New Castle, PA. 16101
Facility Permit # PAR000029132

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MAY **09** 2018

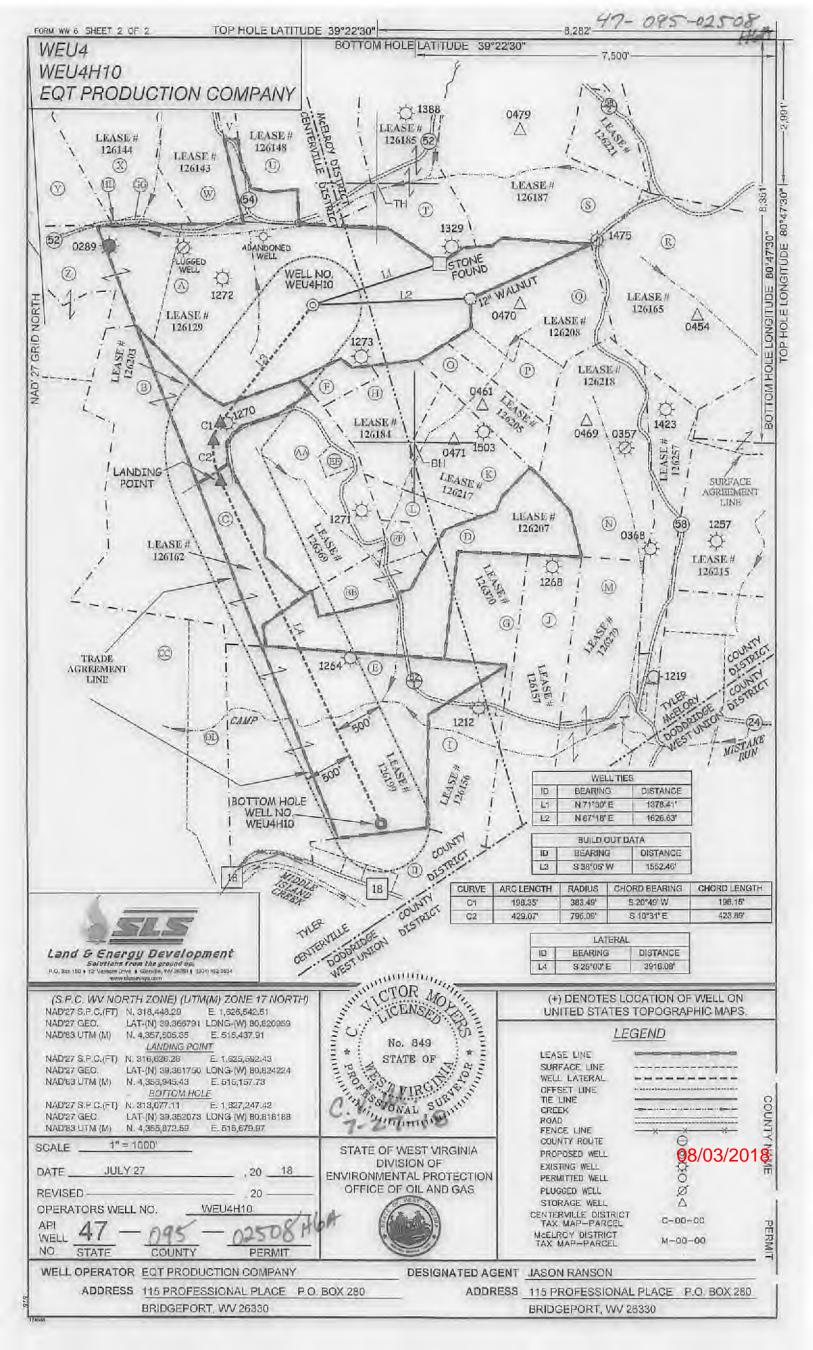
EQT Water Management Plan

Section V. Planned Additives to be used in Fracturing

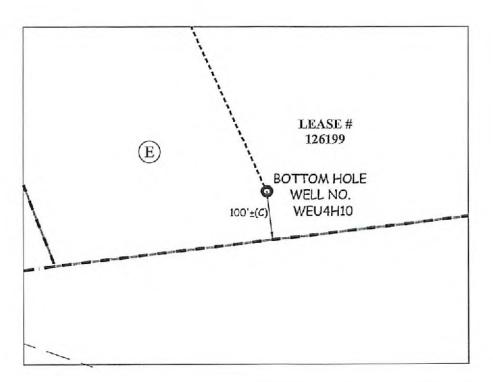
Material	Approximate Percentage		
Water	95.5%		
Sand	4.2%		
Friction Reducer	0.1%		
Biocide	0.05%		
Scale Inhibitor	0.03%		
15% Hydrochloric Acid	0.06%		
Gelling Agent	0.02%		
Oxidizing Breaker	0.0009%		
Enzyme Breaker	0.0009%		

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4709502508



LEGEND LEASE LINE SURFACE LINE RECEIVED WELL LATERA Office of "Off arid" Gas CREEK MAY. 09 2018 ROAD WV Department of SCA Environmental Protection

DRAWN BY: MGF DATE: 04-13-18 #: 7812

BOTTOM HOLE DETAIL FOR WEU4H10

THIS DOCUMENT WAS PREPARED BY: SLS LAND & ENERGY DEVELOPMENT FOR: EQT PRODUCTION COMPANY



WW-6A1 (5/13)

Operator's Well No. WEU4H10

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 Attached

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

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

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

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The applicant further acknowledges that any Office of Oil and Gas permit in no way override. Nepalepartment of nullifies the need for other permits/approvals that may be necessary and further affirment in interesting permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company

By:

Erin Spine

Its:

Regional Land Supervisor

Page 1 of 2

ease No.	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
126129	Waco Oil & Gas Co. Inc., et al (current royalty owne	r).	**	
IZUIZO	Willam H. Ash, et ux, et al (original lessor)	Equitable Gas Company		LB191/321
	Equitable Gas Company	Equitable das company Equitrans, Inc.		DB 274/47
	Equitans, Inc.	Equitans, IP		DB433/77
	Equitrans, LP	EQT Production Company		DB 396/64
	Equitrans, LP	EQT Production Company		OG 440/10
126203	Eileen Cayton, et al (current royalty owner)		**	
·	Ora E. Pratt, et al. (original lessor)	Equitable Gas Company		DB 196/36
	Equitable Gas Company	Equitrans,Inc.		DB 274/47
	Equitrans,Inc./Equitable Gas Company/Equitable Resources, Inc.	Equitrans, L.P.		DB 433/77
	Equitrans, L.P.	EQT Production Company		DB 396/64
126162	Bryan Britton, et al (current royalty owner)		**	
	Alfred Britton, et al. (original lessor)	Equitable Gas Company		DB 192/37
	Equitable Gas Company	Equitrans,Inc.		DB 274/47
	Equitrans,Inc./Equitable Gas Company/Equitable Resources, Inc.	Equitrans, L.P.		DB 433/77
	Equitrans, L.P.	EQT Production Company		DB 396/64
126207	Beatrice Brady, et al (current royalty owner)		**	
	Paul Weekly (original lessor)	Equitable Gas Company		DB 197/54
	Equitable Gas Company	Equitrans,Inc.		DB 274/47
	Equitrans, Inc.	Equitrans, LP		DB433/77
	Equitrans, LP	Equitable Production Company		DB 396/64
<u>126199</u>	Franklin Butler, et al (current royalty owner)		**	
	Clarence W. Hylbert, et ux	Equitable Gas Company		DB 196/15
	Equitable Gas Company	Equitrans,Inc.		DB 274/47
	Equitrans,Inc./Equitable Gas Company/Equitable Resources, Inc.	Equitrans, L.P.		DB 433/77
	Equitrans, L.P.	EQT Production Company		DB 396/64

^{**} Per West Virginia Code Section 22-6-8.

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May 4, 2018

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

Re: WEU4 well pad, wells WEU4H5, WEU4H6, WEU4H10, WEU4H11, WEU4H12, WEU4H13, WEU4H14, WEU4H15, Centerville District, Tyler County

Dear Mr. Martin,

EQT Production Company is submitting an application for a new well work permit for the above well number. Upon information and belief, 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,

Rebecca Wanstreet

Landman I -Permitting

hecea Wantheet

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Date of Notice Certification: 05/07/2018

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

API No. 47- 95

Operator's Well No. WEU4H10 Well Pad Name: WEU4

	oeen given:			
	ne provisions in West Virginia Code §	22-6A, the Operator has provided the	required parties v	with the Notice Forms listed
	tract of land as follows:			
State:	w	UTM NAD 83 Easting:		
County:	Tyler	Northing	•	· · · · · · · · · · · · · · · · · · ·
District:	Centerville	Public Road Access:	WV-18	
Quadrangle:	West Union	Generally used farm name	Donna J Peters	
Watershed:	Tributary of Camp Mistake Run			
prescribed by it has provide information ro of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), e the secretary, shall be verified and shed the owners of the surface describe equired by subsections (b) and (c), sec surface owner notice of entry to sur of subsection (b), section sixteen of e § 22-6A-11(b), the applicant shall te have been completed by the applicant	all contain the following information: ed in subdivisions (1), (2) and (4), s tion sixteen of this article; (ii) that the vey pursuant to subsection (a), section this article were waived in writing ander proof of and certify to the secret	(14) A certification (b), see requirement was on ten of this article by the surface of	ion from the operator that (inction ten of this article, the deemed satisfied as a resulticle six-a; or (iii) the notice wher; and Pursuant to Wes
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the required ECK ALL THAT APPLY		e Certification	OOG OFFICE USE
☐ 1. NO	FICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BEG SEISMIC ACTIVITY WAS COND		RECEIVED/ NOT REQUIRED
☐ 2. NO	TICE OF ENTRY FOR PLAT SURVI	EY or 🔳 NO PLAT SURVEY WAS	CONDUCTED	☐ RECEIVED
■ 3. NO		☐ NOTICE NOT REQUIRED BEG NOTICE OF ENTRY FOR PLAT SU WAS CONDUCTED or		☐ RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER BY SURI (PLEASE ATTACH)	FACE OWNER	
_	TICE OF PLANNED OPERATION			☐ RECEIVED
■ 4. NO				☐ RECEIVED
_	BLIC NOTICE			KECEIVED

the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copyright of 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 Gode § 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.

Environmental Protection 08/03/2018

WV Department of

Certification of Notice is hereby given:

THEREFORE, I Spine, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: EQT Production Company

By: Its: Erin Spine

304-848-0035

Telephone:

Regional Land Supervisor

Address:

2200 Energy Drive

Canonsburg PA 15317 Facsimile: 304-848-0041

Email:

espine@eqt.com

Subscribed and sworn before me this _

ay of May

2018

Notary Public

My Commission Expires

Oil and Gas Privacy Notice:

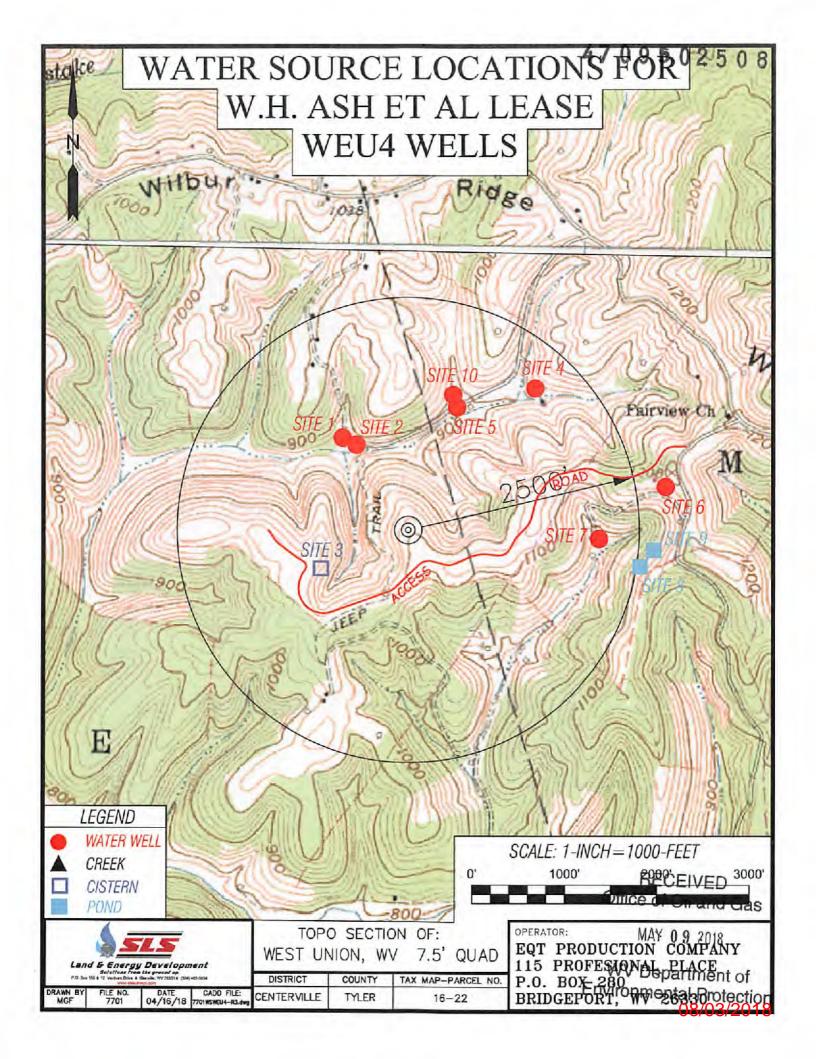
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

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MAY 0 9 2018

WV Department of Environmental Protection

08/03/2018



WW-6A (9-13) API NO. 47-95 0 9 5 0 2 5 0 8
OPERATOR WELL NO. WEU4H10
Well Pad Name: WEU4

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 5/7/2018 Date Permit Application Filed: 5/7/2018 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT WELL WORK Delivery method pursuant to West Virginia Code § 22-6A-10(b) PERSONAL ☐ REGISTERED METHOD OF DELIVERY THAT REQUIRES A **SERVICE** RECEIPT OR SIGNATURE CONFIRMATION MAIL Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") 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. ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: ☐ SURFACE OWNER(s) ☑ COAL OWNER OR LESSEE Name: See Attached Name: See Attached Address: Address: COAL OPERATOR Name: _____ Name: _____ Address: Address: SURFACE OWNER(s) (Road and/or Other Disturbance) ☑ SURFACE OWNER OF WATER WELL Name: See Attached Address: AND/OR WATER PURVEYOR(s) Name: See Attached Address: Name: Address: **TOPERATOR OF ANY NATURAL GAS STORAGE FIELD** ☑ SURFACE OWNER(s) (Impoundments or Pits) RECEIVED Name: See Attached Address: -Office of Oil and Gas Address: *Please attach additional forms if necessary MAY 09 2018

Surface Owners:

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

4709502508

Access/ Other Disturbance:

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

JAMES B. and BRENDA J. STONEKING 2 DEERHAVEN DRIVE WHEELING, WV 26003

DIANE L. and GLENN W. MORGAN 590 ISNER CREEK ROAD ELKINS, WV 26241

RICHARD METCALF 415 WILDLIFE LANE BRIDGEPORT, WV 26330

Pit/Impoundment or AST

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

Coal Owners:

ROSEMARY BRANDON 3013 DELEWARE AVE KENNER LA 70065

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WV Department of
Environmental Protection

API NO. 47-95 OPERATOR WELL NO. WEU4H10 Well Pad Name: WEU4

Notice is hereby given:

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

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the 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, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oiland-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the 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 practicular employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall import and permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contains in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Appendic 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 web pack at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2023, Faport to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as the 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 terms

08/03/2018

API NO. 47-46 7 0 9 5 0 2 5 0 8
OPERATOR WELL NO. WEU4H10
Well Pad Name: WEU4

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 writter tomments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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

Department of 08/03/2018

WW-6A (8-13)

API NO. 47-947-09502508

OPERATOR WELL NO. WEU4H10 25 0 8

Well Pad Name: WEU4

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

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Office of Oil and Gas

MAY 09 2018

Notice is hereby given by:

Well Operator: EQT Production Company

Telephone: 304-848-0035 Email: espine@eqt.com Address: 2200 Energy Drive

Canonsburg PA 15317
Facsimile: 304-848-0041

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.



Subscribed and sworn before me this 4 day of May 2018.

Notary Public My Commission Expires 4-7-2020

RECEIVED
Office of Oil and Gas

MAY 09 2018

Surface Owners:

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320 4709502508

Access/ Other Disturbance:

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

JAMES B. and BRENDA J. STONEKING 2 DEERHAVEN DRIVE WHEELING, WV 26003

DIANE L. and GLENN W. MORGAN 590 ISNER CREEK ROAD ELKINS, WV 26241

RICHARD METCALF 415 WILDLIFE LANE BRIDGEPORT, WV 26330

Pit/Impoundment or AST

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

Coal Owners:

ROSEMARY BRANDON 3013 DELEWARE AVE KENNER LA 70065

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Office of Oil and Gas

MAY 09 2018

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.

Delivery method pursuant to West Virginia Code § 22-6A-16(b) HAND DELIVERY RETURN RECEIPT REQUESTED Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address and if available, facsimile number and electronic mail address of the operator and the operator's authorized represe Notice is hereby provided to the SURFACE OWNER(s): Name: See Attached Address: Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:	and for the purpose of sfies the requirements
Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's landrilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies of this subsection as of the date the notice was provided to the surface owner: *Provided*, however*, That the notice subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address and if available, facsimile number and electronic mail address of the operator and the operator's authorized represe *Notice is hereby provided to the SURFACE OWNER(s): Name: *See Attached Address:** Name: *See Attached Address:** Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an	and for the purpose of sfies the requirements
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Name: See Attached Address: Address: Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an	ss, telephone number,
Address:	
Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an	
Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an	
State: W UTM NAD 83 Easting: Northing: 4357505.347 District: Centerville Public Road Access: W-18 Quadrangle: West Union Generally used farm name: Donna J Peters Watershed: Tributary of Camp Mistake Run	intent to enter upon
This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number facsimile number and electronic mail address of the operator and the operator's authorized representative. Addrelated to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protected at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas.	dditional information otection headquarters,
Notice is hereby given by:	
Well Operator: EQT Production Company Authorized Representative: Erin Spine	
Address: 2200 Energy Drive Address: 2200 Energy Drive	
Canonsburg PA 15317 Canonsburg PA 15317	
Telephone: 304-848-0035 Telephone: 304-848-0035	
Email: espine@eqt.com Email: espine@eqt.com	
Facsimile: 304-848-0041 Facsimile: 304-848-0041	

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 of Information and Chas 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.

MAY 0 9 2018

Surface Owners:

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

4709502508

Access/ Other Disturbance:

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

JAMES B. and BRENDA J. STONEKING 2 DEERHAVEN DRIVE WHEELING, WV 26003

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RICHARD METCALF 415 WILDLIFE LANE BRIDGEPORT, WV 26330

Pit/ Impoundment or AST

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

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MAY 0 9 2018

WV Department of
Environmental Protection

WW-6A5 (1/12)

Operator Well No. WEU4H10 4709502508

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

Notice Time F Date of Notice	Requirement: notice shall be provided no later the common state. Date Permit Application			application.
Delivery meth	ood pursuant to West Virginia Code § 22-6A-16	6(c)		
CERTIF	IED MAIL			
RETUR	N RECEIPT REQUESTED DELIV	'ERY		
return receipt in the planned of required to be drilling of a hadamages to the (d) The notices of notice.	Y. Va. Code § 22-6A-16(c), no later than the date requested or hand delivery, give the surface owner peration. The notice required by this subsection provided by subsection (b), section ten of this artiorizontal well; and (3) A proposed surface use a surface affected by oil and gas operations to the serequired by this section shall be given to the surby provided to the SURFACE OWNER(s)	er whose land n shall includicted to a surfa and compens extent the da	will be used for de: (1) A copy ace owner whos ation agreemen mages are comp	or the drilling of a horizontal well notice of of this code section; (2) The information he land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter.
(at the address	listed in the records of the sheriff at the time of n	•		
Name: See attack		_	See Attached	
Address:	·····	Address	s:	
	Tyler Centerville	g a horizonta UTM NAD 8 Public Road A	l well on the tra Easting: Northing:	
to be provided horizontal wel surface affecte information re	est Virginia Code § 22-6A-16(c), this notice shall by W. Va. Code § 22-6A-10(b) to a surface of l; and (3) A proposed surface use and compensated by oil and gas operations to the extent the datelated to horizontal drilling may be obtained from located at 601 57th Street, SE, Charleston, W.	owner whose tion agreement mages are command the Secret	land will be unt containing an ompensable und ary, at the WV	used in conjunction with the drilling of a n offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection
Well Operator	EQT Production Company	Address:	2200 Energy Drive	
Telephone:	304-848-0035		Canonsburg PA 153	317
Email:	espine@eqt.com	Facsimile:	304-848-0041	
Oil and Gas F	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.

Office of Oil and Gas MAY 0 9 2018

WV Department 903/2018

Environmental Protection

4709502508

Surface Owners:

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

Access/ Other Disturbance:

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Pit/ Impoundment or AST

DONNA J PETER 733 RIDGE ROAD WILBUR, WV 26320

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Thomas J. Smith, P. E. Secretary of Transportation/Commissioner of Highways

Revised February 28, 2018

Jill M. Newman Deputy Commissioner

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 WEU 4 Well Pad, Tyler County

WEU4H5

WEU4H6

WEU4H10

WEU4H11

WEU4H12

WEU4H13

WEU4H14

WEU4H15

Dear Mr. Martin,

This well site will be accessed from DOH Permit #06-2015-0241 issued to EQT Production Company for access to the State Road for a well site located off of Tyler County Route 58 SLS.

The 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 January 3, 2012.

Very Truly Yours,

Gary K. Clayton P.E.

Day K. Clayton

Regional Maintenance Engineer

Central Office Oil & Gas Coordinator

Cc: Nick Bumgardner

EQT Production Company

CH, OM, D-6

File

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MAY 09 2018

Anticipated Frac Additives Chemical Names and CAS numbers

<u>Material</u>	Ingredient	CAS Number
Water		
Sand	Hydrotreated light petroleum distillate Tributyl tetradecyl phosphonium	14808-60-7
Friction Reducer	chloride	64742-47-8
Biocide	Ammonium chloride	81741-28-8
Scale Inhibitor	Hydrochloric Acid	12125-02-9
15% Hydrochloric Acid	Propargyl Alcohol	7647-01-0
Corrosion Inhibitor	Methanol	107-19-7
Corrosion Inhibitor	Guar Gum	67-56-1
Gelling Agent	Sodium Persulfate	9000-30-0
Oxidizing Breaker	Potassium Carbonate	7775-27-1
Buffering Agent		584-08-7

DMH 9lb 5-14-18 5/14/2018

WVDEP OOG ACCEPTED AS-BUILT Wh 1 4/4/2016

PROJECT INFORMATION

TAX PARCEL

GOTTERVILLE DISTRICT

MAP 16

MICUROY DISTRICT

MAP 11

SURFACE OWNER

L'S & SANDRASTONDING

MOR ROY (INSTRUCT

TYLER COUNTY, W)

TOTAL PROPERTY AREA 19, 448 ACRES.

DXNNALL PETER
MICLED'S CONTERVILLE DISTRICT
TYLER COUNTY, WY
TOTAL PROPERTY AREA 11246 ACRES

RECHARD & YVONNE MET CALF CENTER VILLE DISTRICT TYLER COUNTY, MY TOTAL PROPERTY AREA \$1.578 ACRES

OIL AND GAS ROYALTY OWNER WACO DIE II DAS COMPANY, PIC. ET EL CENTENNILE DISTRICT TYLER COUNTY, WY TOTAL PROPERTY AREA 1321 ACRES

SITE LOCATION.
THE WELF STEED WORTH OF CAMP WISTARE OF COUNTY ROUTE SE, THE EMPANCE TO THE SITE APPROXIMATELY OF SME SOUTH MEET OF COUNTY ROUTE SOUTH MEET OF COUNTY ROUTE SOUTH FREEDOM.

LOCATION COORDINATES

WEIGH STEENTRANCE
LATITUDE 30.389178 LONGITUDE: 80.890214 SIAD 83)
LATITUDE 4.557,772 LONGITUDE 516,963 (LITM NAC AS MET ERIS)

WELLSCENTER OF WELL PAD LATITUDE 39.386639 LONGITUDE 80.82045 (HAD 83) LATITUDE 4,351,471 LONGITUDE 513,448 (LTM NAC) 63 METERS

WEB-4 FLOW CENTER OF FLOWBACK PIT LATITUDE 30:365395 LONGITUDE: 80:821021 (NAD 83) LATITUDE 4:357:350 LONGITUDE: 515-633 (LTM NAD 83 METERS)

WELL-4 FLOW DEVICE OF COMPLETION PIT
LATITUDE SYSTEMS LONGITUDE SUBSTITION BS)
LATITUDE 4 327 406 LONGITUDE 515 CD4 (LTM NAC AS METERA)

SITE DISTURBANCE COMPUTATIONS

TOTAL ASSIGNT DISTURBANCE = 35.81 ACRES

GENERAL DESCRIPTION

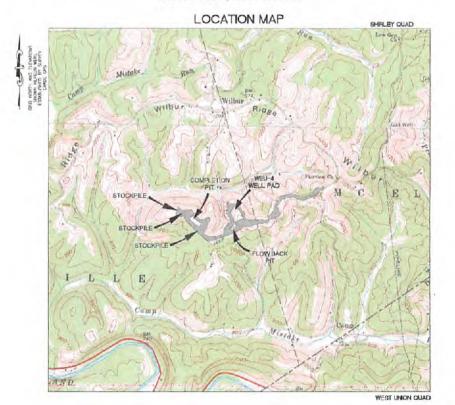
THE WELLS PAD AND PIT'S ARE RENO CONSTRUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL IMPROBLING SHALE GAS WELLS.

MISS Utility of West Virginia 1-800-245-4848 West Virginia State Low (Section XIV: Chapter 24-C) Requires that you call two business days before you dig in the state of West Virginia. IT'S THE LAW!!

WEU-4 AS-BUILT SITE PLAN **EQT PRODUCTION COMPANY**

PERMITTED WELLS: API# 47-095-02278, 47-095-002279, 47-095-02280, 47-095-02281. 47-095-02316, 47-095-02317 AND 47-095-02318 PROPOSED WELL NUMBERS: H6-WV512894, H6-WV512895, H8-WV516535. H9-WV516536, H11-WV516538, H13-WV516540, H14-WV516600 AND H15-WV516601

SITUATE ON WATERS OF CAMP MISTAKE RUN IN MCELROY AND CENTER DISTRICTS. TYLER COUNTY, WEST VIRGINIA

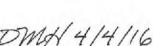


LIST OF DRAWINGS

- 1. DOVER SHEET
- 2 INDEX SHEET
- 3 WENT ACCESS BOAD
- 4 MEU-4 FLOWRACK PIT / PAD
- T. WESSELLOOMS ETTON BY LISTOCKES F. # - ACCESS ROAD PROFILE
- 7 ACCESS ROAD PROFILE, FLOWBROK PIT AND COMPLETION RIT PROFILES



DMH 4/4/16





DATE: 03/02/2016 SCALE 1"- LOOG"

ESIGNED BY KILS. H P NO 720 MEET 1 OF 7



