

## west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

August 28, 2015

## WELL WORK PERMIT

## Horizontal 6A Well

This permit, API Well Number: 47-9502280, issued to EQT PRODUCTION COMPANY, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

Chief

Operator's Well No: 512892

Farm Name: PETER, DONNA J.

API Well Number: 47-9502280

Permit Type: Horizontal 6A Well

Date Issued: 08/28/2015

API Number:	
API Number:	

## PERMIT CONDITIONS

4709502280

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**

- 1. 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. 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.
- 8. 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.
- 9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

ww	•	6B
(4/15	(	

## 4709502280

API NO. 47	95 .
OPERATOR WELL NO.	512893
Well Pad Name:	WEIT

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WELL, WORK PERMIT APPLICATION

11 14/-11 0			K PERMIT APPLIC	PATION		
1) Well Operator: EQT Pro	duction Compar	ny	306686	095	-	
			Operator ID	County	District.	671
2) Operator's Well Number:		132000	, , , , , , , , ,	County	District	Quadrangle
		512892		Well Pad Na	me	WEU4
3) Farm Name/Surface Owner	:	Donna I d	7-1			WEU4
4) Flouris		Doma J. F	eter	_Public Road A	Access:	WV-18
4) Elevation, current ground:	1,098.0	Ele	vation, proposed p	net-construction	2/2/2/2	
5) Well Type: (a) Gas	0.1		тр. треаса р	ost-curistruction	1,078.	0
5) Well Type: (a) Gas	011_		Underground Stora	ige		
Other _						
(b) If Gas:	Shallow	100	Deep			
	4000		Беер			Michael 7/28
	Horizontal	-				1º wellan
6) Existing Pad? Yes or No:	No					100
7) Proposed Target Formation(s	), Depth(s), Anti	cipated Thick	messes and Assoc	iated Pressure(	s):	
7) Proposed Target Formation(s Target lomation is Marcellus a	), Depth(s), Anti	cipated Thick	knesses and Assoc	iated Pressure(	s): pated target pressu	
7) Proposed Target Formation(s  Target lomation is Marcellus a	), Depth(s), Anti	and and and	apared thickness to be	54 feet and anticip	s): pated larget pressu	
7) Proposed Target Formation(s.  Target lormation is Marcellus a  3) Proposed Total Vertical Depth 3) Formation at Total Vertical Depth	), Depth(s), Anti	and and and	apared thickness to be	54 lest and anticip	s): pated target pressu	
7) Proposed Target Formation(s.  Target Immation is Marcellus a  8) Proposed Total Vertical Depth 9) Formation at Total Vertical Depth 10) Proposed Total Measured Depth 10) Proposed Total Measured Depth	), Depth(s), Anti It a depth of 660 :	and and and	apared thickness to be	54 feet and anticip 6680 farcellus	s): pated target pressu	
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 1) Formation at Total Vertical Depth 2) Proposed Total Measured De 1) Proposed Horizontal Leg Len 2) Approximate Fresh Water Str	), Depth(s), Anti	and and and	apared thickness to be	54 lest and anticip 6680 farcellus 11068	s): pated larget pressu	
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 3) Formation at Total Vertical Depth 4) Proposed Total Measured De 1) Proposed Horizontal Leg Len 2) Approximate Fresh Water Str. 3) Method to Determine Fresh Water 3) Method to Determine Fresh Water	), Depth(s), Anti	and and	M	54 feet and anticip 6680 farcellus 11068 3,790	pated target pressu	
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  8) Proposed Total Vertical Depth 9) Formation at Total Vertical Depth 10) Proposed Total Measured Depth 11) Proposed Horizontal Leg Leng 12) Approximate Fresh Water Str. 13) Method to Determine Fresh Water Str. 14) Approximate Sallwater Depths	), Depth(s), Anti- it a depth of 66i  : poth: gth ata Depths: /ater Depth:	and and	M	54 feet and anticip 6680 farcellus 11068 3,790 139,182,193,2	pated target pressu	
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 3) Proposed Total Measured De 1) Proposed Total Measured De 1) Proposed Horizontal Leg Len 2) Approximate Fresh Water Str 3) Method to Determine Fresh W 4) Approximate Sallwater Depths 5) Approximate Coal Seam Depth	), Depth(s), Anti- it a depth of 66i  : ppth: ppth: gth ata Depths: /ater Depth:	and and	M	54 feet and anticip 6680 farcellus 11068 3,790	pated target pressu	
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 3) Proposed Total Measured De 1) Proposed Total Measured De 1) Proposed Horizontal Leg Len 2) Approximate Fresh Water Str. 3) Method to Determine Fresh W 4) Approximate Sallwater Depth 5) Approximate Coal Seam Depth 6) Approximate Depth to Possible	), Depth(s), Anti- it a depth of 66i  :	and and	M	54 feet and anticip 6680 farcellus 11068 3,790 139,182,193,2 By offset well	pated target pressu	
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 3) Proposed Total Vertical Depth 4) Proposed Total Measured Depth 5) Proposed Total Measured Depth 6) Proposed Horizontal Leg Leng 7) Approximate Fresh Water Str. 7) Method to Determine Fresh Water Str. 7) Approximate Sallwater Depth 7) Approximate Coal Seam Depth 7) Does proposed well location coal	), Depth(s), Anti- it a depth of 66i  :	and and	M	54 feet and anticip 6680 farcellus 11068 3,790 139,182,193,2 By offset well 1226, 1229	pated target pressu	re of 2747 P.
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 3) Proposed Total Vertical Depth 4) Proposed Total Measured Depth 5) Proposed Total Measured Depth 6) Proposed Horizontal Leg Leng 7) Approximate Fresh Water Str. 7) Method to Determine Fresh Water Depth 7) Approximate Coal Seam Depth 7) Approximate Depth to Possible 7) Does proposed well location coadjacent to an active mine?	), Depth(s), Anti- it a depth of 66i  :	and and	M  1135. 20  erlying or	54 feet and anticip 6680 farcellus 11068 3,790 139,182,193,2 By offset well 1226, 1229 39,292,707	pated target pressu	re of 2747 Ps
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 3) Proposed Total Vertical Depth 4) Proposed Total Measured Depth 5) Proposed Total Measured Depth 6) Proposed Horizontal Leg Leng 7) Approximate Fresh Water Str. 7) Method to Determine Fresh Water Str. 7) Approximate Sallwater Depth 7) Approximate Coal Seam Depth 7) Does proposed well location coal	), Depth(s), Anti	e, karst, others directly over	M  1135. 20  erlying or	54 feet and anticip 6680 farcellus 11068 3,790 139,182,193,2 By offset well 1226, 1229 39,292,707	11 s None reporte	re of 2747 P
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 3) Proposed Total Measured De 1) Proposed Total Measured De 1) Proposed Horizontal Leg Len 2) Approximate Fresh Water Str 3) Method to Determine Fresh W 4) Approximate Sallwater Depth 5) Approximate Coal Seam Depth 6) Approximate Depth to Possible 6) Approximate Depth to Possible 6) Does proposed well location co adjacent to an active mine?	), Depth(s), Anti	e, karst, others directly over	1135, 20 erlying or Yes	54 lest and anticip 6680 larcellus 11068 3,790 139,182,193,2 By offset well 1226, 1229 39,292,707	11 s None reporte	re of 2747 P.
7) Proposed Target Formation(s.  Target Iomation is Marcellus a  3) Proposed Total Vertical Depth 3) Proposed Total Vertical Depth 4) Proposed Total Measured Depth 5) Proposed Total Measured Depth 6) Proposed Horizontal Leg Leng 7) Approximate Fresh Water Str. 7) Method to Determine Fresh Water Depth 7) Approximate Coal Seam Depth 7) Approximate Depth to Possible 7) Does proposed well location coadjacent to an active mine?	), Depth(s), Anti	e, karst, othe	M  1135. 20  erlying or	54 feet and anticip 6680 farcellus 11068 3,790 139,182,193,2 By offset well 1226, 1229 39,292,707	11 s None reporte	re of 2747 Ps

Page 1 of 3
Page 1 of 3

Control of the page 1 of 3

Control of the page 1 of 3

ww.	6B
(4/15)	

## 4709502280

API NO. 47	095	
OPERATOR WELL		512892
Well Pad Name.		WEU4

## CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft.	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well	CEMENT: Fill- up (Cu.Ft.)
Conductor	50	New	MC-50	81	40	(11)	
Fresh Water	13 3/8	New	MC-50	54.5		40	38 C.T.S.
Coal	-			34.5	361	361	336 C.T.S.
	9 5/8	New		-	-	-	
ntermediate		New	A-500	40	3,024	3,024	1000 000
Production	5 1/2	New	P-110	20	11,068		1,202 C.T.S.
Tubing	2 3/8		J-55		11,000	11,068	See Note 1
iners			0.33	4.6			Mignotherun, I can will be set IIG less than ID

MAG 7/28/13

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal	Cement Type	Cement Yield (cu. ft/k)
Conductor	20	24	0.375		Pressure (psi)		
Fresh Water	13 3/8	17 1/2	0.38		18	Construction	1.18
Coal			0.00	2,730	2184	* See Note 2	1.21
ntermediate	9 5/8	12 3/8	0.395				
Production	5 1/2	B 1/2		3,950	3160	* See Note 2	1,21
ubing		0.1/2	0.361	12,640	10112		1.27/1.86
iners							

## Packers

Kind:	N/A	
Sizes:	N/A	
Depths Set:	N/A	

Note 1: EQT plans to bring the TOC on the production casing cement job 1,000' above kick off point, which is at least 500' above the shallowest production zone, to avoid communication. Note 2: Reference Variance 2014-17. (Attached)

Page 2 of 3

RECEIVED Office of Oil and Gas

JUL 29 2015

WV Department of Environmental Protection

(10/14)	7/000	02280	API NO. 47 - 095	
(10/14)		21-2	OPERATOR WELL NO.	51289
			Well Pad Name:	WEU
19) Describe proposed well work, including the	drilling and plugging	back of any pilot hol	e:	M
Drill and complete a new horizontal well in the Marcel	lus formation. The vertical	drill to go down to an apr	myimala double of 400st	7/
Then kick off the horizontal leg into the Marcellus usin	ng a slick water frac.		WORK HATE DEPAIL OF 4095	
20) Describe fracturing/stimulating methods in	detait, including anticio	polod may assess		
freshwater sources. This water is mixed with sand and a sr gelling agent, get breaker, friction reducer, blocide, and sca	mall percentage (less than (	1.3%) of chemicals (inclu	ding 15% Hydrochloric acid	
gelling agent, get breaker, friction reducer, blocide, and sca anticipated internal casing pressures is expected to average	le inhibitor), referred to in th	e industry as a "sickwat	er completion. Maximum	
approximately 100 bpm. Stage tengths vary from 150 to 25	o approximately about psi, in	aximum anticipated treat	ting rates are expected to average	
approximately 100 bpm. Stage lengths vary from 150 to 30 vary from 100 mesh to 20/40 mesh. Average approximately	v 200 000 pounds of pand	tely 200,000 barrels of w	ater per stage. Sand sizes	
	y 200,000 pounds or sand p	er stage.		
21) Total area to be disturbed, including roads,	stocknile area eite et	. (		
		, (acres):	19.18	
22) Area to be disturbed for well pad only, less a	iccess road (acres):		13.17	3
			13.17	
Surface: Bow spring centralizers - One at the selections of the selection of the selec		every 500'.		
Intermediate: Bow spring centralizers—One cer     Production: One spaced every 1000' from KOP	nt at the shoe and one	spaced every 500'.		
Used to speed the setting of cement sturries.  0.4% flake. Loss Circulation Material (LCM) is used to intermediate (Type 1 Cement): 0.3% Calcium Chloride. siturries. 0.4% flake. Loss Circulation Material (LCM) is to a thirf zone.	combat the loss of the c Salt is used in shallow, low used to combat the loss	ement slurry to a thie	f zone.  s to speed the setting of cement or cement slurry (not filtrate)	
Production:			(Not mildle)	
ead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retards				
.3% CFR (dispersant). Makes cement easier to mix.	a). Lengthens thickening	ime.		
Tall (Type H Cement): 0.25-0.40% Lignosulfonate (Retard	der). Lengthens thickening	time.		
2-0.3% CFR (dispersant). This is to make the cement	easier to mix.			
0 % Calcuim Carbonate. Acid solubility.				
4-0.6% Halad (fluid loss). Reduces amount of water I	ost to formation.			<del></del> /
5) Proposed borehole conditioning procedures	202000000000000000000000000000000000000			
proposed borehole conditioning procedures.	Surface: Circulate hole cle	an (Approximately 30-	15 minutes) rotating & reciprocating	
at Schace. When cut	ungs returning to surface	diminich		
inutes. To ensure that there is no fill, short trip two sta	nds with no circulation. I	I there is fill, bring cor	npressors back on	1
d circulate hole clean. A constant rate of higher than e	expected cuttings volume	likely indicates wash	nouts that will not clean up.	
ermediate: Circulate hole clean (Approximately 30-45 min	iutes) rotating & reciproca	ing one full joint until cr	uttings diminish at	DEOL
dec. Wilen Cullings fattiming to produce				
face. When cuttings returning to surface diminish, cole cleaning use a soap sweep or increase injection rate	ntinue to circulate an add	ditional 5 minutes. If to	oam drilling, to enhance Off	RECEIVED fice of Oil and Ga

the shakers every 15 minutes.

Production: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume.

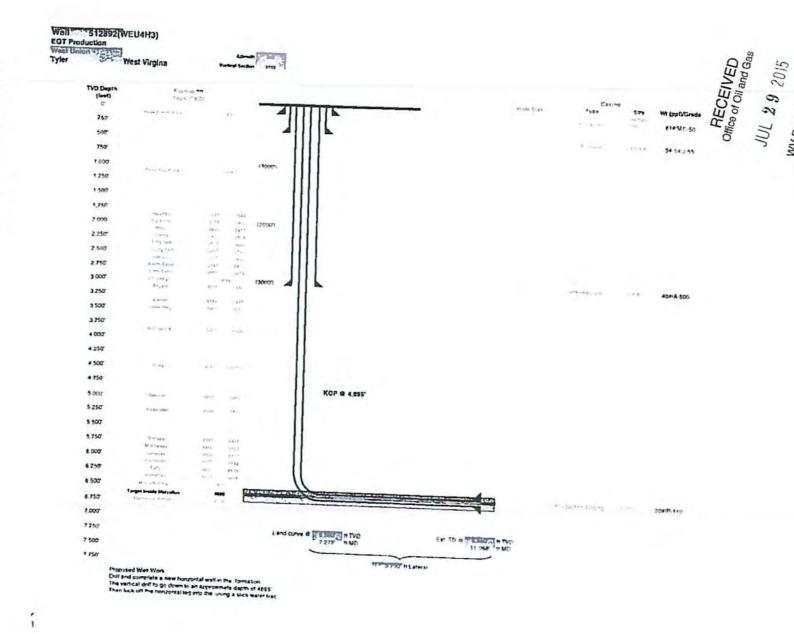
Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clean. Check volume of cuttings coming across

JUL 29 2015

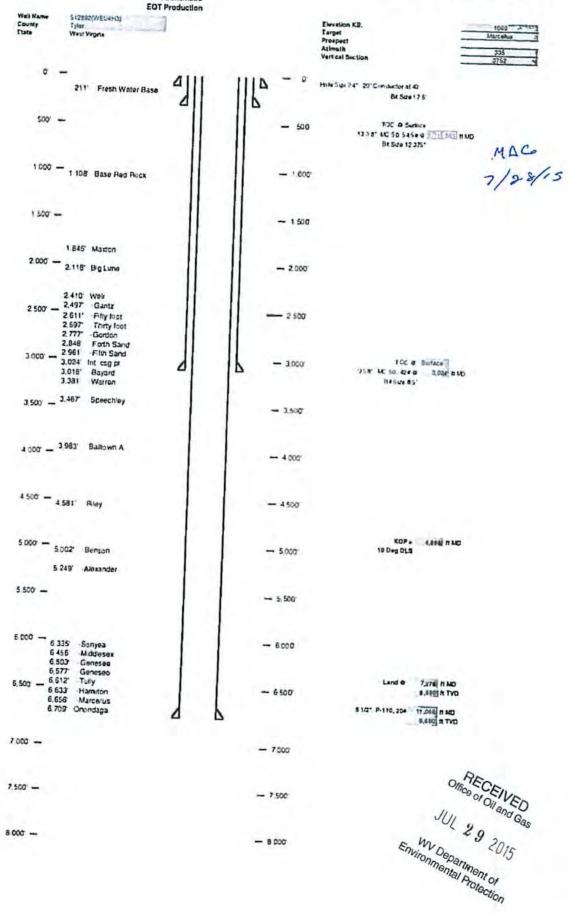
WV Department of

Environmental Protection

<sup>\*</sup>Note: Attach additional sheets as needed.



WV Department of Environmental Projection





west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary dep.wv.gov

March 18, 2014

Nabors Completion & Production Services Company 1380 Route 286 Hwy E #121 Indiana PA 15701 4709502280

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.

James Pelerson

Environmental Resources Specialist / Permitting

Promoting a healthy environment.



## west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary dep.wv.gov

## 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	)	4 5
AND GAS WELLS	)	4/00
		<b>9</b> 5
		002
REPORT OF T	HE OFFICE	2 2 0 0
		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

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

Promoting a healthy environment.

RECEIVED
Office of Oil and Gas

JUN 2 5 2015

WV Department of Environmental Protection

08/28/2015

#### 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 .....

Production Services Co. shall keep a record of cement blend jobs in which the office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under this order is to be used and made available to the Office of Oil and the production approved under the oil and the oil hours the cement is not set up, additional time will be required. Nabors Completion &

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 Office of Oil and Gas

> > JUN 2 5 20:5

WV Department of **Environmental Protection** 



May 12, 2015

4709502200

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

Re: Casing change on WEU4 (512890, 512891, 512893, 512894, 512895)

Dear Mr. Smith,

EQT is requesting the 13 3/8" surface casing to be set at 361' KB, 150' below the deepest fresh water. We will set the 9-5/8" intermediate string at 3024' KB, 50' below the base of the Fifth Sand.

If you have any questions, please do not hesitate to contact me at (304) 848-0076.

Sincerely,

Vicki Roark

Permitting Supervisor-WV

Enc.

RECEIVED
Office of Oil and Gas

JUN 2 5 2015

WV Department of Environmental Protection WW-9 (2/15)

	Page	1	of	2
API No. 47	- 099	5 -		0 2280
Operator's V	Vell No.			512892

## 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 (HUC10)	Tributary of Camp Mistake Run	Quadrangle	West Union 7.5'	3
Do you anticipate using	more than 5,000 bbls of water to com	plete the proposed well w	ork? Yes x No _	<u> </u>
Will a pit be used ? Yes:	XNo:			
If so please desc	ribe anticipated pit waste:	flowback water & re	esidual solids	
Will a synthetic li	ner be used in the pit? Yes X	No If so	o, what ml.?60	
Proposed Dispo	Reuse (at API Number		914, 8462, 4037 ation)	<u>]</u> 
	be used? Yes. The closed loop system prepared for transportation to an off		rom the drilling	
Ar is used to drift the top hale sections of	ed for this well (vertical and horizontal the wellton (surface intermediate, and pilot). Water base let hole, curve, and lateral sections will be crited with either	d mud may be nucessary depending on his		
Additives to be used in dr alkalinity control, lime, kitration of	control, deflocculates, biodegradable of lubrica	lubricant, detergent, deforming, water, ant, defoaming, walnut shell, sal	t, x-cide, carbonales.	RECEIVED Office of Oil and Ga
Oil based mud - synthetic base biodegradable oil lubricant, dele	e oil, emulsifier, salt, lime, viscositer, alkalinity	control, fitration control, defloces	ilates.	_ 2015
- If left in pit and p	ethod? Leave in pit, landfill, removed plan to solidity what medium will be used? (Ce te name/permit number?		n/a	WV Department of Environmental Protection
Permittee shall provide writte any West Virginia solid wast disclose where it was proper	en notice to the Office of Oil and Gas of a e facility. The notice shall be provided wi by disposed.	ny load of dril cultings or ass thin 24 hours of rejection and	sociated waste rejected at I the permittee shall also	-
on August 1, 2005, by the Office	and agree to the terms and conditions of the of Oil and Gas of the West Virginia Department or candidate by law. Violations of any term or conditional action.	ent of Environmental Protection.	I understand that the	-
application form and all attachme	aw that I have personally examined and am fa ents thereto and that, based on my inquiry of t	hose individuals immediately re-	sponsible for obtaining	
	e information is true, accurate, and complete. I uding the possibility of fine or imprisonment.	am aware that there are signific	ant penalties for	
Company Official Signatur Company Official (Typed I Company Official Title	Name)	Victoria J. Reark mitting Supervisor		=
Subscribed and sworn bef	ore me this 29th day of	1.11		-

NOTARY PUBLIC
STATE OF WEST VIRGINIA
REBECCA L. HEATER
EQT PRODUCTION COMPANY
PO BOX 280
BRIDGEPORT, WY 28330
My commission expires April 07, 2020

Form WW-9 Operator's Well No. Proposed Revegetation Treatment Acres Disturbed 19.18 Prevegetation pH 6.3 3 Tons/acre or to correct to pH Fertilize type Granular 10-20-20 Fertilizer Amount 1/3 [bs/acre (500 bs minimum) 2 Tons/acre Seed Mixtures Temporary Permanent Seed Type lbs/acre Seed Type lbs/acre **KY-31** 40 Orchard Grass 15 Alsike Clover Alsike Clover 5 Annual Rye 15 Attach: Drawing(s) of road, location, pit and proposed area for land application. Photocopied section of involved 7.5' topographic sheet.

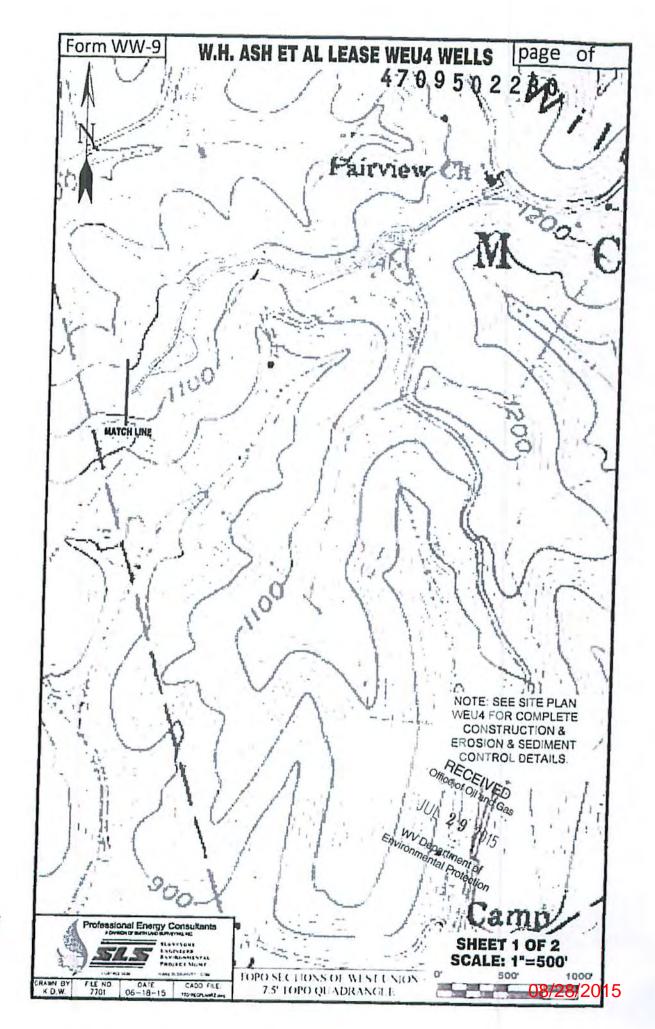
4 Gas Inspertor Date: 7/28/15

Field Reviewed?

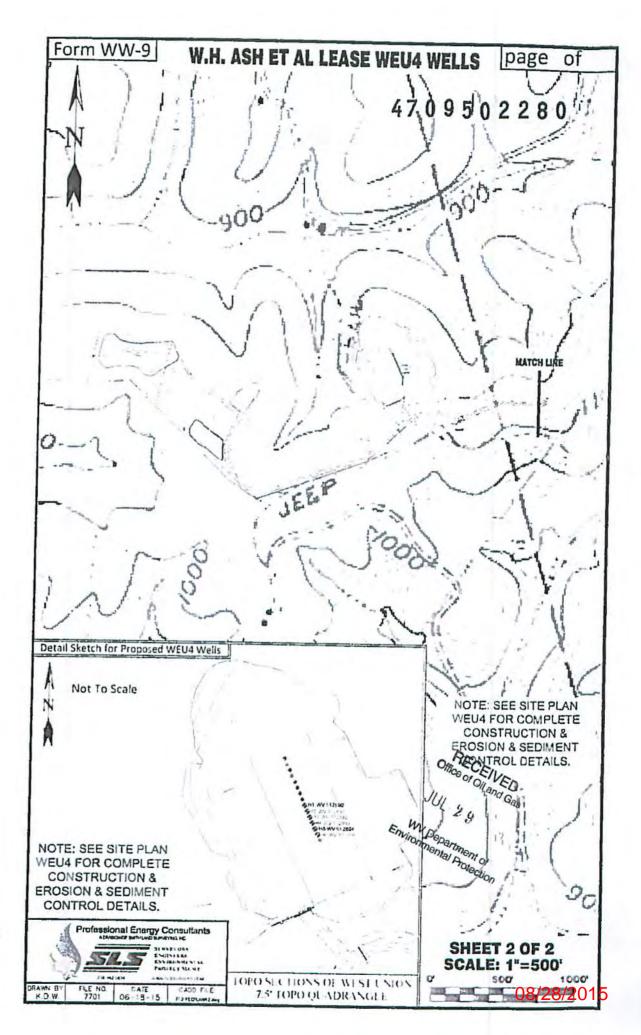
Office of Oil and Gas

JUL 2. 9

Environmental Protection



MAG 7/88/15



7/28/15

# 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 1700, 0, 5, 2, 2, 8, 0
Columbus, Offic 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

RECEIVED
Office of Oil and Gas

JUN 2 5 2015

WV Dep: 有色色IVED Environ Office of O

JUN 2 5 2015

WV Department of Environmental Protection 08/28/2015



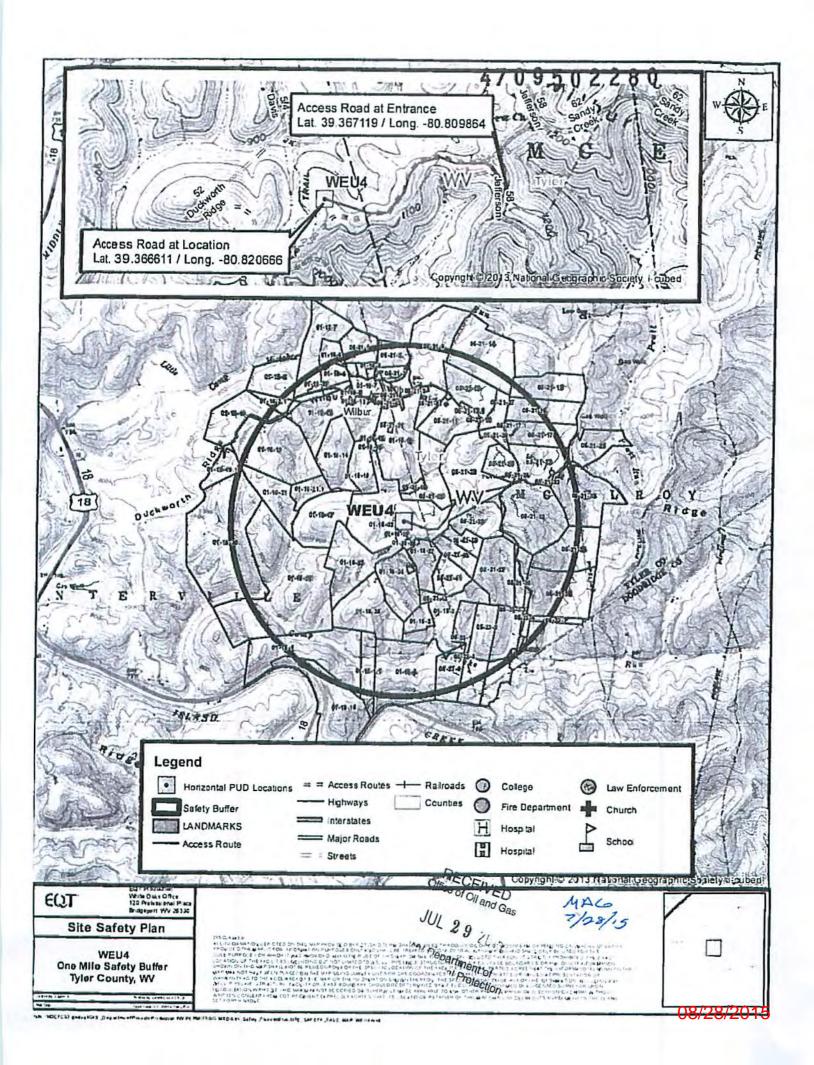
# Site Specific Safety Plan

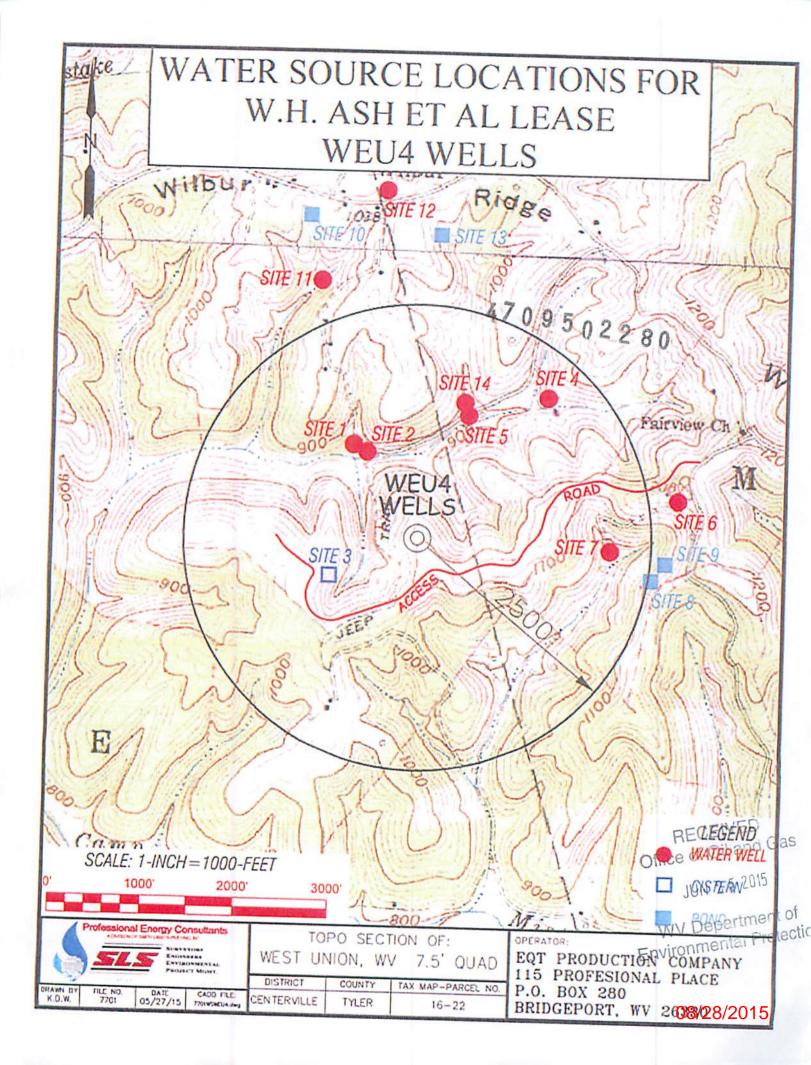
## **EQT WEU 4 Pad**

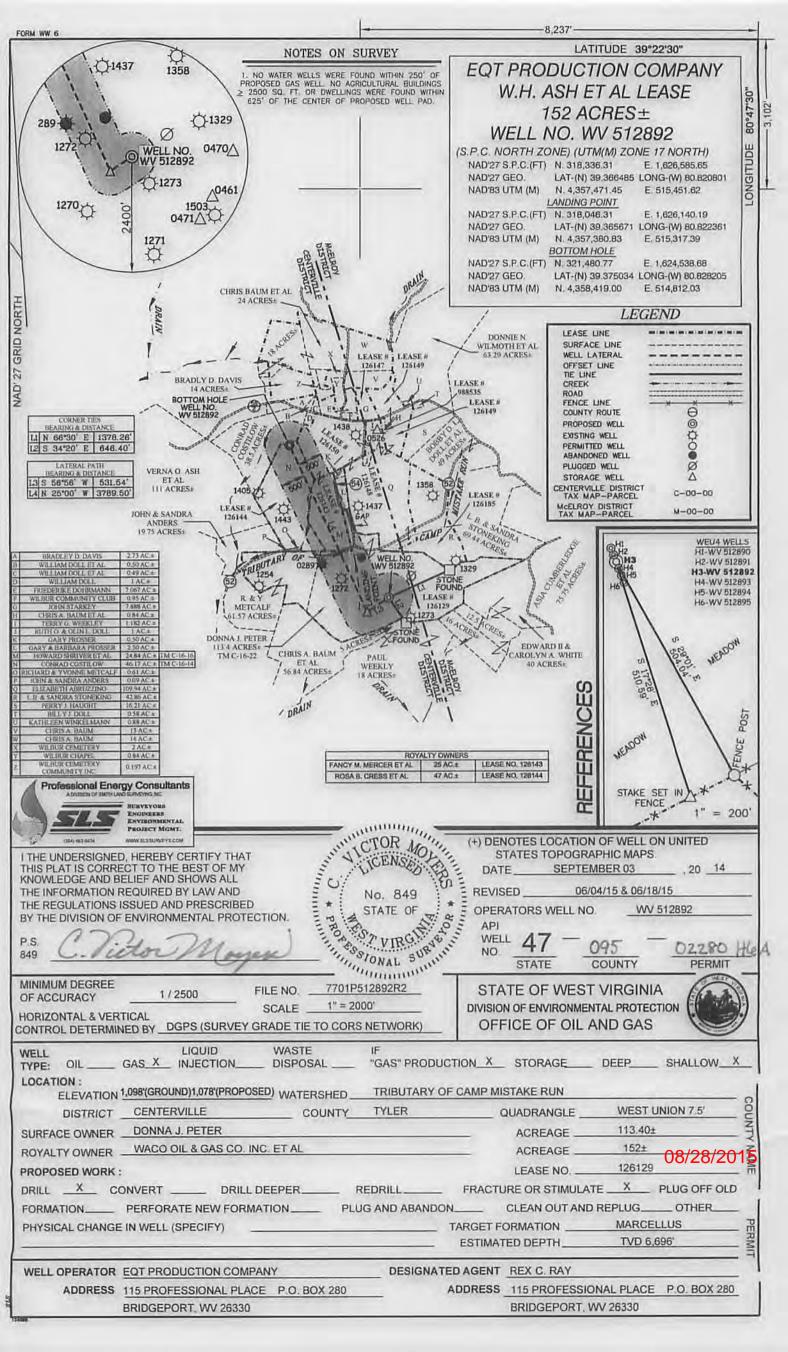
## <u>Alma</u> Tyler County, WV

For Wells.

512892	For Wells:	:	
EQT Production	Date Prepared:	May 6, 2015 Office of Olandan WV Oil and Gas Insector	8
Ville 6-23-15	ser	Title  WV Department of  Title  7/22/15  Date	







### 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 1 arm 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:
- 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	Massa	_
	пшис	ш

Number	Grantor, Lessor, etc.	Grantce, Lessee, etc.	Royally	Book/Page
125129			Min 1/8 pd	
	William A. Ash, et al	Equitable Gas Company	(DE	1191/321
	Equitable Gas Company	Equitrans,Inc.	DE	1274/471
Equitrans, In	Equitrans, Inc.	Equitable Production Company	ĐĐ	1396/640
	Equitable Production Company	EQT Production Company	OE	3281/346 Doddridga C
126143			Min 1/8 pd	
	Fanny Davis, et at	Equitable Gas Company	DE	1191/519
	Equitable Gas Company	Equitrans, Inc.	DE	274/471
	Equitrans, inc.	Equitable Production Company	CB	396/640
	Equitable Production Company	<b>EQT Production Company</b>	08	281/346 Doddhdge C
			Min 1/8 pd	
<u>126144</u>	Fanny Davis, et al	EQT Production Company	DB	191/511
	Equitable Gas Company	Equivans, Inc.	DB	274/471
	Equitrans, Inc.	Equitable Production Company	08	396/640
	Equitable Production Company	EQT Production Company	DB	281/346 Doddridge Co

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.

## 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

EUNIDUINIEURI Profecțiou The applicant further acknowledges that any Office of Oll 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.

appropriate authority before the affected activity is initiated.

Well Operator:

By: fix

Permitting Supervisor

WV Department of

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

Data of Matina Contifications	ADIN: 47	- 000 - 0
Date of Notice Certification:	API No. 47	
	Operator's	Wel No. 512892
	7 Over Bad N	lame: WEU4
latina haa haan siyan.	Operator's Well Pad N	
lotice has been given:		
Pursuant to the provisions in West Virginia Code § selow for the tract of land as follows:	22-6A, the Operator has provided the required	parties with the Notice Forms listed
A CARLO CALLES CONTRACTOR OF THE SECURITION OF T	HTHANAD OO F1'	545 454 00
	UTM NAD 83 Easting:	515,451.62
Country: Tyler	UTM NAD 83 Northing:	4,357,471.45
District: Centerville  Quadrangle: West Union 7.5'	Public Road Access:	WV-18
-	Generally used farm name:	Donna J. Peter
Natershed: Tributary of Camp Mistake Run		
Virginia Code § 22-6A-11(b), the applicant shall ter of this article have been completed by the applican Pursuant to West Virginia Code § 22-6A, the Operathat the Operator has properly served the required	t. ator has attached proof to this Notice Certification	
PLEASE CHECK ALL THAT APPLY		
	OTICE NOT REQUIRED BECAUSE NO EISMIC ACTIVITY WAS CONDUCTED	REQUIRED
NOTICE OF ENTRY FOR PLAT SURVEY	or - NO PLAT SURVEY WAS CONDU	JCTED   RECEIVED
NOTICE OF INTENT TO DRILL or N	OTICE NOT REQUIRED BECAUSE OTICE OF ENTRY FOR PLAT SURVEY /AS CONDUCTED OR	RECEIVED/NOT REQUIRED
⊏ W <sub>(P</sub>	RITTEN WAIVER BY SURFACE OWNER PLEASE ATTACH)	3
NOTICE OF PLANNED OPERATION	RECEIV	/ED F RECEIVED
▼ PUBLIC NOTICE	Office of Oil	RECEIVED
NOTICE OF APPLICATION	JUN 2 5	2015 RECEIVED
		A CONTRACTOR OF THE PARTY OF TH

## Required Attachments:

Environmental Protection 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 person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of person Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice Virginia Code § 22-6A-11(b), the Certification of Notice Virginia Code § 22-6A-11(b), the Certification of Notice Virginia Code § 22-6A-11(b), the Certification Office Virgini the return receipt card or other postal receipt for certified mailing.

WW-6AC (1/12)

CA Lagatifuthat a		and understand the	a attacked sector of the t	detter France Identified
	required under West Virginia Code § 22-			
The state of the state of the state of	ired parties through personal service, by r			
	ation. I certify under penalty of law that I ha			
	ification and all attachments, and that base			
the testing of the distant	manting I halimin that the infermanting in two		andata I has account that the	The Alexander and the second the
	mation, I believe that the information is tru			ere are significant penalties
	mation, I believe that the information is tru e information, including the possibility of fi			ere are significant penalties
for submitting fals	e information, including the possibility of fi	ne and imprisonmen	ıt.	ere are significant penalties
for submitting fals	e information, including the possibility of fit EQT Production Company	ne and imprisonmen Address:	P.O. Box 280	ere are significant penalties
for submitting fals  Well Operator:  By:	e information, including the possibility of fir EQT Production Company Victoria J. Roark	ne and imprisonmen Address: Bridgeport,	P.O. Box 280 WV 26330	ere are significant penalties
	e information, including the possibility of fit EQT Production Company	ne and imprisonmen Address:	P.O. Box 280	ere are significant penalties

OFFICIAL SEAL MOTARY PUBLIC STATE OF WEST VIRGINIA THERE SEAL. HEATER FOR BOX 280
BRIDGEPORT, WV 26-330
My commission expires April 07, 2028

Certification of Notice is hereby given:

Subscribed and sworn before me this

기나 day of

2 ,2

Quecea & Neater

Notary Public

My Commission Expires

## Oil and Gas Privacy Notice:

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

RECEIVED
Office of Oil and Gas

JUN 2 5 2015

WV Department of Environ 08/28/2015 tion



P.O. HOX 150, GLENVILLE, WV 26351

(304) 402-5034 • FAX 402-5050

## WELL INFORMATION AND POTENTIAL WATER WELL SAMPLE DATA SHEET

OPERATOR:	: EQT Pro	duction (	iompany			<u>.</u>			
LEASE NAM	IE AND NU	MBER:	WE	<i>i-4</i>					
			<u>(</u>	OMME	NTS				
listed surface	eld and/or ma c owner(s) tha es within 2500	t were po	tentially	utilizing g	groundy	vater (po	table) for	Human C	realed the below Consumption or area map.)
		INDIVI	DUAL C	ONTAC	TED C	R NOT	IFIED		
Site:/	_ Spacing _	12201	Owner/	Occupan	t	Donna Pet			
Address:	733 ridge rd.						Ph: _		758-4495
Field Contac									
If No, declined Comments:			Letter/No	tice Date:	1st <u>()4/()</u>	<u>9/20/5</u> 2t	nd <u>(14/23/.</u>	2015 Certif	ied (3rd) <u>04/17/2015</u>
	Long : 80,82								<u></u>
	Tax Map 16,								
Address: Field Contact If No, declined I	by who	W <i>ilbur, W</i> 3/2015 Lo	v 26320 cated:	Yes	Date Lo	ocated: <u>//</u> -	Ph: //23/2015	Source:	758-4495 Water Well ied (3rd) <u>04/17/2015</u>
Comments:							<del></del>		
	Long : 80.82.								
	Tax Map 16,	Parcel 22	· · · · · · · · · · · · · · · · · · ·						<u>=</u> <del>-</del>
	_ Spacing _			•	t:	Donna Pet			
Address:							Ph: _		'58-449S
Field Contact	t Date: <u>04/2.</u>	<u>3/2015</u> Lo	cated:	Yes	Date Lo	cated: <u>(/-</u>	1/23/2015	Source:	Spring
			Letter/No	lice Date: 1	ist <u>()4/()</u>	<u>9/2015</u> 2r	id <u>04/23/3</u>	<u>2015</u> Certifi	ed (3rd) <u>04/17/2015</u>
Comments.							· · · · · · · · · · · · · · · · · · ·		
*****	Long : 80.82.	<del></del>							
	Tax Map 16,	Parcel 22							
Site: J	Spacing	2050*	Owner/0	Occupant	t: <u>B</u>	ruce Ston	cking		
Address:	RR.1 Box 304	BB Elkins	, HT 2624	<i>'</i>			Ph: _		
Field Contact	Date: 04/2	7/2015 Lo	cated:	Fes	Date Lo	cated 114	/23/2015	Source	ceived
If No, declined t	y who	<del></del>	Letter/Not	ice Date: 1	Ist <u>04/0</u>	<i>V/2015</i> 2n	d <u>(14/23/2</u>	uis cedi	ed (3rd) VIVI I I I I I
Comments.		37						Omice (	of Oil & Cias
	Long : 80.812	910						11.15	n e 2015

7701 eqt wei 4 finalwater pg 1

Tax Map 21, Parcels 28 and 29

Site: 5	Spacing	14251	Owner/0	Occupai	nt <i>B</i>	ruce Stone	king	·	
Address.							Ph:		
Field Contact	Date: 04	<i>23/2015</i> Lo	cated:	Yes	_Date Lo	cated 11-1	2 <i>3/2015</i> S	ource	Water Well
If No, declined t	by who		Letter/Not	ice Date	1st <u>04/09</u>	1/2015 2nd	1 <u>04/23/20</u>	115 Certifie	d (3rd) <u>04/17/2015</u>
Comments:	Lat : 39.370	270							
	Long : 80.8	/8867	<del></del>						
	Tax Map 21	, Parcels 21	8 and 29			<del></del>			
Site 6	Spacing	28301	Owner/	Occupa	int. /	dward and	d Carolyn	White	
Address:	_		-		***************************************		Ph:	(301)-37	71-8521
Field Contac			_*				20/2015	Source:	Water Well
									d (3rd) <u>04/17/2015</u>
Comments									
	Long : 80.8								
<del></del>	Tax Mop 2		<u> </u>						
	_ Spacing		-			Edward an			
Address	4316 Teen L						Ph: _	(301)-3	
Field Contac									
			_Letter/No	tice Date	: 1st <u>04/0</u>	<u>9/2015</u> 2n	d <u>()4/23/2</u>	<u>015</u> Certifie	ed (3rd) <u>//4/17/2015</u>
Comments:	Lat : 39.36	6470							
	Long 803	13358							
	Tax Map 2	I, Parcel 38	<u> </u>						
Site: N	Spacing	2540'	Owner/	Occupa	ant /	dward an	d Carolyn	White	
Address:	4316 Teen I		<del></del>				Ph.	(301)-37	71-8521
Field Contac						cated 05	20/2015	Source.	Pond
									ed (3rd) <u>/04/17/2015</u>
Comments:								<del></del>	
	Long : 80.8	11781							
***************************************	Tax Map 2	· · · · · · · · · · · · · · · · · · ·	;						
Sito	Spacing	2//5/	Owner	Occupa	) ot 1		d Camalana	117.57	
	Spacing		-			awara an	<i>d Carolyn</i> Ph:	1301)-37	71 0571
Address	4316 Teen E							Source:	
Field Contac									
Comments:	by wno Lat : 39.36		Latter/No	iico Date	: 15t <u>1/4/1/</u>	A. 7.012 SU	B (74/23/2)	W. Certine	d (3rd) <u>04/17/2015</u>
Comments.					<u></u>				
	Long : 80.8 Tax Map 2.								
•	rax map =	, rurcer in	<u></u>						<del></del>
Site	Spacing	36551	Owner/0	Occupa	nt	rank and t	Elizabeth :	tbruzzino	
Address	91 Springhil	l Chapel Ra	l, Clarksbu	rg, 377°.	26301		Ph:	(304)-60	9-3892
Field Contact	t Date: 05	20/2015 Lo	caled:	Yes	Date Lo	cated: 05	<i>20/2013</i> S	Source:	Pond
If No, declined t	by who	······································	Letter/Not	ice Date	1st <u>04.0</u>	9/2015 2nd	d <u>114/23/2</u> (	<u>913</u> Certifie	d (3rd) <u><i>04.17/2015</i></u>
Comments.	Lat : 39.370	5041							elved
	Long : 80,8	25199						NO.	foil & Gas
	Tax Map 10	, Parcel 10							
								11.11	06 2015

7701 eqt wei 4 finalwater pg 2

Site: //	Spacing	29501	Owner/O	ccupar	nt.	Frank a	nd Elizabetl	i Abruzzino	
Address	91 Springhill	Chapel Rd	Clarksbur	g. HT 2	6301		Ph:	(304)-0	569-3892
Field Contact								Source _	Water Well
If No, declined b	y who		Letter/Notic	ce Date	1st <i>04</i>	09.2015	2nd (14/23)	2015 Certif	ied (3rd) 04/17/2015
Comments									
	Long : 80.8.	24661							
	Tax Map 16	Parcel 10							
Site. 12	Spacing	37501	_Owner/C	)ccupa	int:	Frank a			
Address:									669-3892
									Water Well
If No, declined l	by who		Letter/Noti	ce Date	: 1st <u>///</u>	09/2015	2nd <u>04/23</u>	2015 Certi	fied (3rd) <u>04/17/2015</u>
Comments:	Lat : 39.370	5838 <u> </u>							
	Long : 80.8	22312							
	Tax Map 10	5, Parcel 10	)						
	Spacing			-					
Address									669-3892
Field Contac									
If No, declined	by who	<u>.</u>	Letter/Not	ice Date	: 1st <u>04</u>	09/2015	2nd <u>(14/23</u>	72015 Certi	fied (3rd) <u>04/17/2015</u>
Comments.	Lat : 39.37.	5580							
	Long : 80.8	20202							
	Tax Map 10	4. Parcel 10	)						
Site. 14	_				-	<del></del>			
Address.		l Chapel Re	l, Clarksbu	rg, IFT.	26307		Ph:		669-3892
									Water Well
			Letter/Noti	ce Date	: 1st <u>//-/</u>	109/2015	2nd <u>04/23</u>	72015 Certi	fied (3rd) <u>04/17/2015</u>
Comments									
	Long : 80,8							<u> </u>	
	Tax Map 10	b. Parcel 10	)						
Site. 15	Spacing		Owner/C	ocuna	int:	Conrad	Costilow		
Address:	<del>-</del> ' -		-			C (7777 1010	Ph.	· ···	
Field Contac						Lagatod	. <u>N/4</u>	Source	Unknown
		<u> </u>							fied (3rd) <u>04/17/2015</u>
If No, declined I Comments:	No Respons	The Change					Ziiu <u>1747</u>	7-177. COIL	ildu (3idi) <u>194, 7 (5 207.5</u>
Comments				3 17/ 03/	29.207.				
	Tax Map 10	), 1 arcel 14	<del></del>					<del> </del>	<del></del>
					<del></del>				
Site 16	Spacing		Owner/C	)ccupa	nt	John M	cDonald Fr.		
Address	_ HC 74 Box 3	4C Alma, \$	FV 26320				Ph:		
Field Contact			cated.	No	Date	Located	N/A	Source:	Unknown
If No. declined t	y who							2015 <u>Cent</u>	GEINAG14/17/2015
Comments	No Respons	e To Certifi	ed Letter A	s Of 05.	29 201:	í		He	COIL & GAS
	Tax Map 21						(	Office C	f Oil & Gas
								11_11	0.6 2015
								306	<b>-</b>

7701 eqt wei 4 finalwater pg 3

Site. /7	Spacing		Owner/0	Оссира	nt:	Paul Wee	kley (life)		
Address:	4500 Meelro	y creek	Rd. Alma, W1	26320			Ph:		
Field Contact	Date:	N/A	Located:	Νο	Date	Located.	N/A	Source:	Unknown
If No, declined to Comments:	-	w To Co	Letter/Not ernfied Letter :	ice Date	: 1st <u>//-/</u>	09/2015 2		7/2015 Certifi	ed (3rd) <u><i>04/17/2015</i></u>
Site. /// Address:			Owner/	•		Chris an	d Herstine Ph:	· Baum	
Field Contac	t Date:	N/A	Located:	No	Date	Located.	N/A	Source:	Unknown
If No, declined ( Comments:		se To C	ertified Letter .				2nd <u>04/2.</u>	3/2015 Certif	ied (3rd) <u>04/17/2015</u>
Site: // Address:	1719 Jacks	on St. Al	Owner/	500 <u>j</u>			Ph:		
Field Contact If No, declined Comments:	by who	se To C	ertified Letter .	tice Date	: 1st <u>0-</u>	/09/2015		_	<i>Unknown</i> ied (3rd) <u>04/17/2015</u>
Site. 20 Address: Field Contact If No, declined I Comments:	t Date: by who	dale St. : N/A se To Ce	Letter/Not ertified Letter .	nrg, PA No lice Date	/52/2 _Date : 1st <u>04</u>	Located:_/09/2015 ;		Source:	<i>Unknown</i> ied (3rd) <u>04/17/2015</u>
Site. 2/ Address: Field Contact If No, declined to Comments:	t Date: by who No Respon	N/A se To Ce	Owner/6 lgcport, WV 26 Located: Letter/Not rtified Letter / Is 14.1 and 17	No No ice Date	_Date	Located:_ /09/2015 :	Ph: 	_Source:	<i>Unknown</i> ed (3rd) <u>04/17/2015</u>
Site 22 Address: Field Contact If No, declined b	Date: by who	N/A e To Ce		26003 No ce Date:	Date I	John And _ocaled _ _09/2015 2	Ph: <i>N⁄d</i>	Source:	Unknown Processed 2015 Processed Coll & Ge
	Tax Map 10	, i urce	14.5					Onio	UL 0.6 2015

7701 cijt wei 4 finalwater pr. 4

Site	23	Spacing		Owner/0	Occupa	nt: <i>Gar</i> y <i>P</i>	rosser			
		-		r. WV 26320				Ph:		
Field C	ontact	Date:	N/A	Located:	No	Date Located	<u> </u>	V/A	Source.	Unknown
lf No, de	clined t	y who		Letter/Not	lice Date:	1st <u>04/09/2013</u>	5 2nd	04/23	/2015 Certif	fied (3rd) <u>04/17/2015</u>
Comme	ents:	No Respon	se To Cer	tified Letter i	4s Of 05/	29/2015				
		Tax Map 1	6. Parcel	15						
0.4		Caralan		0	·				. Chair	
Addres				Owner na, WY 26320		nt. <u>Howar</u>	u ana		uon suriver	
							ď	-		Unknown
										fied (3rd) 04/17/2015
				Editetrion			_ 2.110		<u> </u>	mco (010) <u>~ 7 7 2071</u>
Commi	Ç.1163.	Tax Map 1			213 (1) (1)	2 1121113				
		1121 11119 1	17, 7 (27 ()						**************************************	
Site _		_ Spacing		Owner/	Occupa	int		Ph:		
Addres		1 Data						-		
										····
		by who		Letter/No	tice Date	1st	_ 2nd		Cert	ified (3rd)
Comm	ents						_			
							· · · · · · · · · · · · · · · · · · ·			
				<del></del>						
Site: _		Spacing	·	Owner/	Occupa	nt				
Addres								Ph:		
Field C	Contac	t Date:		Located:_		_Date Locate	d:		_Source:_	
If No, de	edined	by who		Letter/No	tice Date	: 1st	2nd		Certi	fied (3rd)
Comm	ents:									
		0					<del></del>			
Site: Addres		_ Spacing	<del> </del>	Owner/	Occupa	nt.		Ph:		
		Dale		Leegtodi		Data Legate	al ·			
If No. of	odional I	bu who		Locateo:	tian Data	_Date Locate	0		Source Codi	fied (3rd)
Comme		by who	<del>*************************************</del>	Leiter/No	nice Date	. ISI	_ 2110	-	Cen	illed (314)
Commi	cino,			<u></u>	<del></del>					
		· · · · · · · · · · · · · · · · · · ·								····
		C		0		_1.			<del></del>	
Site.		_ spacing		Owner/	occupa	nt		Ph:	<del> </del>	
Addres		Date		1 00040 =1:		Date Leaster	<b>.</b>	-	Source	
										find (3rd)
Comme		Jy WIIO		Lener/NO	nce Date	. 151	_ Zna		Ceni	fied (3rd)
Johnson	J.								R	ecelved
									Office	of OII & Gas
			<del></del>					<del> </del>	11.1	0 6 2015

7701 oqt weii.4.finalwater.pg.5

W	W.	6A
19	-13	1

API NO.	47		095	0
OPERATOR WELL NO.			512892	
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 da  Date of Notice:  Date Permit Application Filed	te of permit application.	
Notice of:	4700	
✓ PERMIT FOR ANY WELL WORK  CONSTRUCTION OF AN IN	02	
Delivery method pursuant to West Virginia Code § 22-6A-10(b)	90	7
	THOD OF DELIVERY THAT REQUIRES A CEIPT OR SIGNATURE CONFIRMATION	
for the construction of an impoundment or pit as required by the requires a receipt or signature confirmation, copies of the applipat to each of the following persons: (1) The owners of record the surface tract or tracts overlying the oil and gas leasehold be disturbance as described in the erosion and sediment control plessee, in the event the tract of land on which the well proposed record of the surface tract or tracts overlying the oil and gas lease construction, enlargement, alteration, repair, removal or abandowater purveyor who is known to the applicant to have a water which is used to provide water for consumption by humans or own activity is to take place. (c)(1) If more than three tenants in the lands, the applicant may serve the documents required uparticle one, chapter eleven-a of this code. (2) Notwithstanding annless the lien holder is the landowner. W. Va. Code R. § 35-8	date of the application, the applicant for a permit for any well was article shall deliver, by personal service or by registered mail of cation, the erosion and sediment control plan required by section of the surface of the tract on which the well is or is proposed to ing developed by the proposed well work, if the surface tract is the ansubmitted pursuant to subsection (c), section seven of this art. It to be drilled is located [sic] is known to be underlain by one or seehold being developed by the proposed well work, if the surface onment of any impoundment or pit as described in section nine of well, spring or water supply source located within one thousand it domestic animals; and (6) The operator of any natural gas storagen common or other co-owners of interests described in subsection the person described in the records of the sheriff required to any provision of this article to the contrary, notice to a lien holder-5.7.a requires, in part, that the operator shall also provide the Worlect to notice and water testing as provided in section 15 of this well Plat Notice is hereby provided to:    COAL OWNER OR LESSEE   Name:   Nancy M. Ash or Heirs Assigns   Nancy M. Ash or Heirs Assigns   Address:   101 Lake Village Road   Slidell LA 70461   Sl	or by any seven of be located; o be used icle; (3) more coal e tract is to f this ive e field on (b) of be r is not ell Site
Name: Address:	See attached for additional coal owners.  COAL OPERATOR  Name: Address:	
SURFACE OWNERS(s) (Road and/or Other Disturbance) Name: Donna J Peter Address: 733 Ridge Rd Wilbur WV 26320	SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Name: Donna J Peter	
Name: L. Bruce and Sandra Jean Stoneking  Address: R.D. 1 Box BB  Elkins WV 26241	Address: 733 Ridge Rd Wilbur WV 26320 See Attached for additional water.	RECEIVED
See attached for additional surface (road/ disturbance)  SURFACE OWNER(s) (Impoundments/Pits)	OPERATOR OF ANY NATURAL GAS STORAGE FIELD	e of Oil and Gas
Name: Donna J Peter	Name:	HIN OF 2015
Address: 733 Ridge Rd Wilbur WV 26320	Address:	JUN 2 5 2015
		Department of

WW-6A	
(8-13)	

API NO. 47 - 095	•	
OPERATOR WELL NO.		512892
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:

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 😽 🍂 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 predrilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-andgas/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 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 bermilied 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 and Gas 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 2015 dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47 - 095 - 0

OPERATOR WELL NO. 512892

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 ontact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplied 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 opense. 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-bycase 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:

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

JUN 2 5 2015

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

08/28/2015

## 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/HorizontalPermits/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.

RECEIVED
Office of Oil and Gas

JUN 2 5 2015

WV Department of ection 08/28/2015

## Notice is hereby given by:

Well Operator:	Operator: EQT Production Company		115 Professional Place P.O. Box 280	
Telephone:	304-848-0082		Bridgeport, WV 26330	
Email:	Vroark@eqt.com	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.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals imprediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA REBECCA L. HEATER EOT PRODUCTION COMPAN

By: Victoria Roark

Its: Permitting Supervisor

Subscribed and sworn before n 2 luccoa Z Notary Public

My Commission Expir

4709502280

Office of Oil and Gas JIN 95 2015

Em la mile a

## WW6-A Additional Coal Owners

Rosemary Brandon 3013 Delaware Avenue Kenner, LA 70065

Oletha G. Moore or Heirs and Assigns 2428 Dewey Ave Munhall PA 15120

## Surface Owners(road or other disturbance):

James B. and Brenda J. Stoneking 2 Deerhaven Drive Wheeling WV 26241

Diane L. Morgan and Glenn W. Morgan 590 Isner Creek Road Elkins WV 26241

Richard and Yvonne Metcalf 128 Village Drive Bridgeport WV 26330

## Surface Owners(Pits or impoundments):

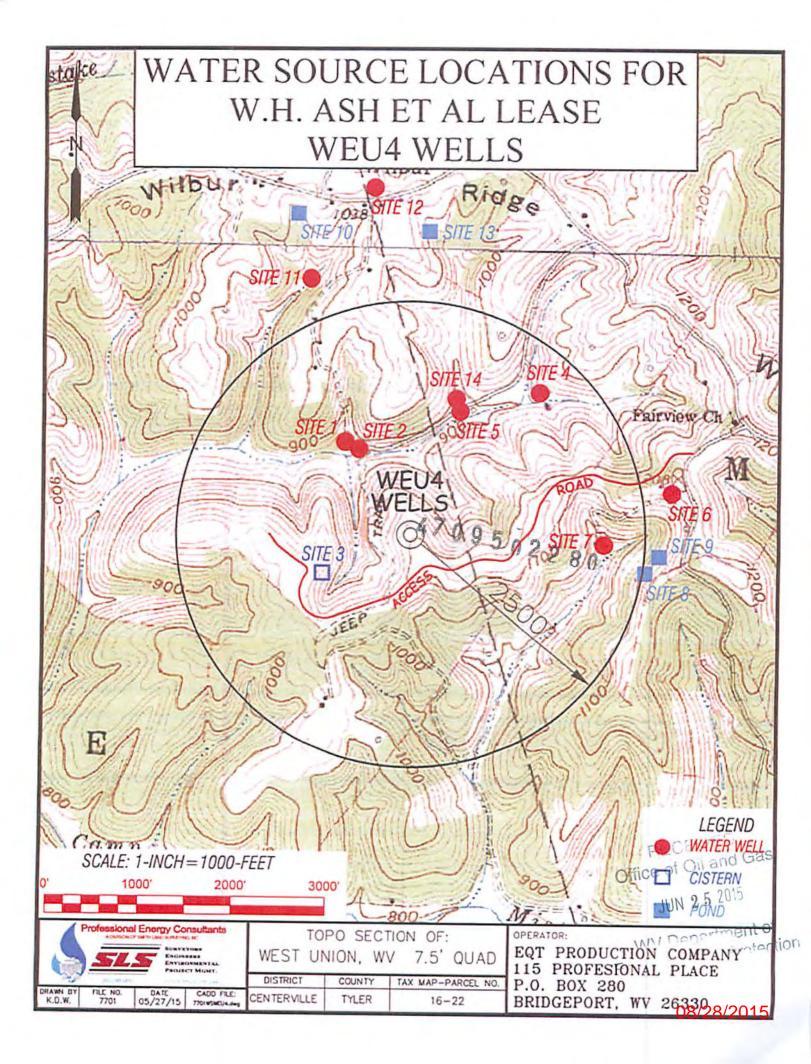
Richard and Yvonne Metcalf 128 Village Drive Bridgeport WV 26330

## **Additional Water Purveyors**

Bruce Stoneking R.D. 1 Box BB Elkins WV 26241

Frank and Elizabeth Abruzzino 91 Springhill Chapel Road Clarksburg, WV 26301

> Received Office of Oil & Gas JUL 0 6 2015



## WW6-A Additional Coal Owners

Rosemary Brandon 3013 Delaware Avenue Kenner, LA 70065

Oletha G. Moore or Heirs and Assigns 2428 Dewey Ave Munhall PA 15120

## Surface Owners(road or other disturbance):

James B. and Brenda J. Stoneking 2 Deerhaven Drive Wheeling WV 26241

Diane L. Morgan and Glenn W. Morgan 590 Isner Creek Road Elkins WV 26241

Richard and Yvonne Metcalf 128 Village Drive Bridgeport WV 26330

## Surface Owners(Pits or impoundments):

Richard and Yvonne Metcalf 128 Village Drive Bridgeport WV 26330

## **Additional Water Purveyors**

Bruce Stoneking R.D. 1 Box BB Elkins WV 26241

Fred and Elizabeth Abruzzino RT1 Box 360 Clarksburg, WV 26301



RECEIVED
Office of Oil and Gas

JUN 2 5 2015

WV Department of 08/28/2015

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry. Date of Notice: 3/26/2013 Date of Planned Entry: 4/2/2013 Delivery method pursuant to West Virginia Code § 22-6A-10(a): CERTIFIED MAIL PERSONAL SERVICE METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION Pursuant to West Virginia Code § 22-6A-10(a), prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least sever days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for and gas exploration and production may be obtained from the Secretary. It is a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. 2 2 8 0 Notice is hereby provided to: SURFACE OWNER(S) COAL OWNER OR LESSEE Coal Declaration pursuant to §22-6A-10 and §22-6-36 Name: Norman E & Donna J. Peter Name: Not of Record HC74 Box 31 Address: Wilbur, WV 26320 Address: MINERAL OWNER(S) C. Phillip Fluharty, Donald G. Fluharty and Name: Caroline Fluharty Genewick Name: PO Box 524 Address: Address: Santee, SC 29142 Name: Name: Trio Petroleum and Waco Oil & Gas PO Box 880 Address: Address: Glenville, WV 26351 \*Please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: 39.36664 / -80.82072 County: Public Road Access: Tyler CR58 Centerville / Map16 / Parcel 22 District: Watershed: Middle Island Creek Quadrangle: West Union Generally Used Farm Name: Ash Copies of the state Erosion and Sediment Control Manual and the statues and rules related to oil and gas exploration and production 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). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Office of Oil and Gas Notice is hereby given by: Well Operator: EQT Production Company Address: 115 Professional Place, Bridgeport, WV 26330 Telephone: 304-848-0099 EQT Representative: Kathy Kugel Facsimile: 304-848-0040 Email: EQTLandEntryNotice@eqt.com Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such a name, address and telephone number, as part of 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 <a href="mailto:depprivacyofficer@WV.gog8/28/2015">depprivacyofficer@WV.gog8/28/2015</a>

WW-6A5	
(1/12)	

## Operator Well No.

512892

## STATE OF WEST VIRGINIA

# DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

	od pursuant to West Virginfa Code § 2 FIED MAIL □	HAND											
	RN RECEIPT REQUESTED	DELIVE	ERY										
eturn receipt rea he planned oper equired to be pro- Irilling of a horiz lamages to the s	a. Code § 22-6A-16(c), no later than the da quested or hand delivery, give the surface ration. The notice required by this subsecti ovided by subsection (b), section ten of th ontal well; and (3) A proposed surface use urface affected by oil and gas operations t equired by this section shall be given to the	owner whon shall in is article the and comp o the exte	hose la include to a su pensat ent the	and will be u e: (1) A copy orface owne tion agreem e damages a	of this co of this co whose la ent conta ire compe	he dril ode se and w aining ensabl	lling o ection; ill be an off le und	of a hori ; (2) The used in fer of coller ler artic	izontal e inform conjur ompen cle six-l	well no mation nction w sation f o of this	with for s cha	the	
Notice is hereby	provided to the SURFACE OWNER(s)			7									
at the address li	sted in the records of the sheriff at the tim	e of notic	ce): /	/									
Name:		onna J Pe	ter	Name: _	67	70	-	L. Br	uce an	d Sand	ra Je	ean Sto	
		The second second second	= 7	A. I. Janes	8 3	11 11	C8 1	5					oneking
Address:		733 Ridge	Rd	Address:	200	W	100	1 /2			F	R.D. 1 B	
Address:		733 Ridge ur WV 263		Address:	-	9	2	0	22	80		R.D. 1 E	Box BB
	Wilb			Address:		-	3 6	0	22	80			Box BB
Notice is hereby	wilb given:	ur WV 263	320	-				0	22	80	) E		Box BB
Notice is hereby Pursuant to Wes	Wilb given: t Virginia Code § 22-6A-16(c), notice is her	ur WV 263	that t	he undersig					22	8 0	) E		Box BB
Notice is hereby Pursuant to Wes	Wilb given: t Virginia Code § 22-6A-16(c), notice is her surface owner's land for the purpose of d	ur WV 263 eby given rilling a ho	that the	he undersig tal well on t	he tract o	of land			22	8 0	ed	Ikins W	Box BB V 26241
Notice is hereby Pursuant to Wes operation on the State:	Wilb given: t Virginia Code § 22-6A-16(c), notice is her surface owner's land for the purpose of d	eby givenrilling a ho	that t	he undersig tal well on t	he tract o Easting	of land g:			22		ed 51:	Ikins W	Box BB V 26241
Notice is hereby Pursuant to Wes operation on the State: County:	Wilb given: t Virginia Code § 22-6A-16(c), notice is her surface owner's land for the purpose of d	eby given rilling a ho WV L yler	that the orizont	he undersig tal well on t IAD 83	he tract o Easting Northi	of land g:			22 loped		ed 51:	5,451.6 7,471.4	Box BB V 26241 520000
Notice is hereby Pursuant to Wes operation on the State: County: District:	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de To	eby given rilling a ho WV U yler rille F	that the orizont UTM N	he undersig tal well on t AD 83 Road Access	he tract o Easting Northi	of land g: ing:			22		ed 51:	S,451.6	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to West operation on the State: County: District: Quadrangle:	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of december of the content of the co	eby given rilling a ho WV U yler rille F	that the orizont UTM N	he undersig tal well on t IAD 83	he tract o Easting Northi	of land g: ing:			22		ed 51:	5,451.6 7,471.4	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to West operation on the State: County: District: Quadrangle:	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de To	eby given rilling a ho WV U yler rille F	that the orizont UTM N	he undersig tal well on t AD 83 Road Access	he tract o Easting Northi	of land g: ing:			2 2		ed 51:	S,451.6	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Wes operation on the State: County:	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de  To  Centers West Union Tributary of Camp Mistake Run	eby given rilling a ho WV U yler rille F	that the orizont UTM N	he undersig tal well on t AD 83 Road Access	he tract o Easting Northi	of land g: ing:			22		ed 51:	S,451.6	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Wes operation on the State: County: District: Quadrangle: Watershed:	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de  To  Centers West Union Tributary of Camp Mistake Run	eby given filling a ho WV L yler fille F 7.5' C	n that the orizont UTM N. Public F	he undersig tal well on t IAD 83 Road Access	he tract o Easting Northi :: m name:	of land g: ing:	as fo	llows:		4	51: 4,35	S,451.6	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Wes operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de  To  Centers  West Union  Tributary of Camp Mistake Run	eby given filling a ho wv U yler fille F 7.5' C	n that the orizont UTM N. Public F. General	he undersig tal well on t AD 83 Road Access ally used far A copy of th	he tract of Easting Northing: m name:	of land g: ing:	; (2) T	llows:	rmatio	n requi	51: 4,35	S,451.6	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided b	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de  To  Centers  West Union  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sl	eby given rilling a ho WV L yler rille F 7.5' C	n that the orizont UTM N. Public I General de: (1) Alose lar	he undersig tal well on t IAD 83 Road Access ally used far A copy of th	he tract of Easting Northis: m name: is code se	of land g: ing: 	; (2) T	llows:	rmatio	n requir	511 4,35	5,451.6 7,471.4 Donna J	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; a	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de  The Centers West Union Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sly y W. Va. Code § 22-6A-10(b) to a surface of	eby given rilling a ho yler rille F 7.5' G mall include	n that the orizont UTM N. Public I General de: (1)/nose lar ngreemen	he undersig tal well on t IAD 83 Road Access ally used far A copy of th nd will be usent contain	he tract of Easting Northis: m name: is code se sed in conting an off	of land g: .ing:  ection; njuncti	; (2) T	he info	rmatio drilling n for d	n requir of a amages	51: 4,35	5,451.6 7,471.4 Donna J	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; assurface affected	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de  To  Centero  West Union  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sl y W. Va. Code § 22-6A-10(b) to a surface cl and (3) A proposed surface use and compe	eby given rilling a ho WV U yler rille F 7.5' Co mall include wner who damages	o that the orizont UTM N. Public I General de: (1) A lose larrigreems are constant of the cons	he undersig tal well on t IAD 83 Road Access ally used far A copy of th nd will be usent contain ompensable	he tract of Easting Northins: m name: is code seed in conting an office a under ar	of land g: ing: ection; njunctifer of c	; (2) T ion wi	he info ith the ensatio	rmatio drilling n for d hapter	n requir of a amages	ed 51: E	5,451.6 7,471.4 Donna J	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; a surface affected information relations.	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of de  The Centers West Union Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice slay W. Va. Code § 22-6A-10(b) to a surface of and (3) A proposed surface use and compet by oil and gas operations to the extent the	eby given rilling a howy light rille F7.5' Commall include the state of the state o	o that the orizont UTM N. Public F General de: (1)/hose lar greems are cc.	he undersig tal well on t IAD 83 Road Access ally used far A copy of the nd will be usent contain ompensable ary, at the V	he tract of Easting Northing: m name: is code seed in conting an office under ar	of land g: ing: ection, njuncti fer of c rticle s	; (2) T ion wi compe six-b o	the info ith the ensatio of this c	rmatio drilling n for d hapter nental	n requir of a amages . Addition	ed 51:	5,451.6 7,471.4 Donna J	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; a surface affected information relations.	given:  t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of description  Centers West Union  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sleet of the company	eby given rilling a howy light rille F7.5' Commall include the state of the state o	o that the orizont UTM N. Public F General de: (1)/hose lar greems are cc.	he undersig tal well on t IAD 83 Road Access ally used far A copy of the nd will be usent contain ompensable ary, at the V	he tract of Easting Northing: m name: is code seed in conting an office under ar	of land g: ing: ection, njuncti fer of c rticle s	; (2) T ion wi compe six-b o	the info ith the ensatio of this c	rmatio drilling n for d hapter nental	n requir of a amages . Addition	ed 51:	5,451.6 7,471.4 Donna J	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; a surface affected information relationed products of the surface affected information relationed beadquarters, lo	given:  t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of description  Centers West Union  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sleet of the company	eby given rilling a howy light rille F7.5' Commall include the state of the state o	o that the orizont UTM N. Public F General de: (1)/hose lar greems are cc.	he undersig tal well on t IAD 83 Road Access ally used far A copy of the nd will be usent contain ompensable ary, at the V	he tract of Easting Northing: m name: is code seed in conting an office under ar	of land g: ing: ection, njuncti fer of c rticle s	; (2) T ion wi compe six-b o	the info ith the ensatio of this c	rmatio drilling n for d hapter nental	n requir of a amages . Addition	ed 51:	5,451.6 7,471.4 Donna J	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: Pursuant to Westo be provided be horizontal well; a surface affected information related pages/default.as	given:  t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of description  Centers West Union  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sleet of the company	eby given rilling a howy light rille F7.5' Commall include the state of the state o	that the orizont UTM N. Public I General greems are cc Secreta (304-9)	he undersig tal well on t AD 83 Road Access ally used far A copy of th and will be usent contain compensable ary, at the M	he tract of Easting Northing: m name: is code seed in conting an office under ar	ection; ing: ection; junctifer of c rticle s tment	; (2) T ion wi composix-b of tof Er	the info ith the ensatio of this c nvironn p.wv.go	rmatio drilling n for d hapter nental ov/oil-a	n requir of a amages . Additi Protecti	ed 51:	5,451.6 7,471.4 Donna J	Box BB V 26241 520000 450000 WV-18
Notice is hereby Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; a surface affected information relationed products of the surface affected information relationed beadquarters, lo	given:  t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of description  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sleet of the code § 22-6A-10(b) to a surface of the code § 22-	eby given rilling a howy light rille F7.5' Commall include the state of the state o	that the orizont UTM N. Public I General de: (1)// cose lar greems are cosecreta (304-9)	he undersig tal well on t AD 83 Road Access ally used far A copy of th and will be usent contain compensable ary, at the M	he tract of Easting Northis: m name: is code seed in conting an official under arty V Departy by visiting 15 Profes	ection; ing: ection; junctifer of c rticle s tment	; (2) T ion wi composix-b of tof Er	the info ith the ensatio of this c nvironn p.wv.go	rmatio drilling n for d hapter nental ov/oil-a	n requir of a amages . Additi Protecti	ed 51:	5,451.6 7,471.4 Donna J	Box BB V 26241 520000 450000 WV-18

needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

appropriately secure your personal information. If you have any questions about our use or your personal information, please contact

WW-6A5
(1/12)

# Operator Well No.

512892

# STATE OF WEST VIRGINIA

# DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

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

	JUN 2 4 2015	Date Permit App	ication Filed:	JUN 2 4 2015
Delivery metho	od pursuant to West Virginia Code § 22	2-6A-16(c)		JON 2 4 2013
The second second		HAND DELIVERY		
return receipt re- the planned oper required to be pr drilling of a horiz damages to the s	a. Code § 22-6A-16(c), no later than the date quested or hand delivery, give the surface cration. The notice required by this subsection ovided by subsection (b), section ten of this ontal well; and (3) A proposed surface use aurface affected by oil and gas operations to equired by this section shall be given to the	owner whose land will to on shall include: (1) A co s article to a surface ov and compensation agre to the extent the damag	pe used for the drilling of opy of this code section oner whose land will be ement containing an of es are compensable und	of a horizontal well notice of ; (2) The information used in conjunction with the ifer of compensation for der article six-b of this chapter.
Notice is hereby	provided to the SURFACE OWNER(s)			
(at the address li	sted in the records of the sheriff at the time	e of notice):		
Name:	James B and Brenda		-	Diane L Morgan and Glenn W Morgan
Address:	2 Deer	rhaven Drive Addre	55:	590 Isner Creek Rd
	Wheelin	ng WV 26241		Elkins WV 26241
Pursuant to Wes operation on the	given: t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr	by given that the unde illing a horizontal well o	rsigned well operator h on the tract of land as fo	niows.
State:	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr	eby given that the unde illing a horizontal well o NV UTM NAD 83 ler	rsigned well operator h on the tract of land as fo Easting: Northing:	as developed à planned ollows: 515,451.620000 4,357,471.450000
State: County:-	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr	NV UTM NAD 83	Easting: Northing:	515,451.620000
State: County:- District:	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr \ Ty	NV UTM NAD 83  ler  ille Public Road Ac	Easting: Northing:	515,451.620000 4,357,471.450000
Pursuant to Wes operation on the State: County:- District: Quadrangle: Watershed:	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr \ \ Ty Centerv	NV UTM NAD 83  ler  ille Public Road Ac	Easting: Northing:	515,451.620000 4,357,471.450000 WV-18
State: County:- District: Quadrangle:	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr  Ty  Centerv  West Union 7  Tributary of Camp Mistake Run	NV UTM NAD 83  ler  ille Public Road Ac	Easting: Northing:	515,451.620000 4,357,471.450000 WV-18
State: County:- District: Quadrangle: Watershed: This Notice Shall	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr  Ty  Centerv  West Union 7  Tributary of Camp Mistake Run	VV UTM NAD 83   ler	Easting: Northing: ess: farm name:	515,451.620000 4,357,471.450000 WV-18 Donna J. Peter
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr  Ty  Centerv  West Union 7  Tributary of Camp Mistake Run	VV UTM NAD 83  vier  ille Public Road Act  v.5' Generally used  all include: (1)A copy o	Easting: Northing: cess: farm name:	515,451.620000 4,357,471.450000 WV-18 Donna J. Peter
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr  Ty  Centerv  West Union 7  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sh	NV UTM NAD 83    ler     ille   Public Road Acc   7.5'   Generally used    iall include: (1)A copy owner whose land will be	Easting: Northing: ess: farm name:  f this code section; (2) The used in conjunction with the control of the conjunction with the conju	515,451.620000 4,357,471.450000 WV-18 Donna J. Peter The information required ith the drilling of a
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected	Ty Centerv West Union 7 Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), notice is here West Union 7 Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sh y W. Va. Code § 22-6A-10(b) to a surface or and (3) A proposed surface use and comper by oil and gas operations to the extent the	VV UTM NAD 83  Ver Public Road Active Generally used  Used Include: (1)A copy of the work whose land will be a sation agreement contiderages are compensation.	Easting: Northing: Eess: farm name:  f this code section; (2) The used in conjunction when the companion of	The information required ith the drilling of a ensation for damages to the of this chapter. Additional
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relai	Ty  Centerv  West Union 7  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sh y W. Va. Code § 22-6A-10(b) to a surface or and (3) A proposed surface use and comper by oil and gas operations to the extent the ted to horizontal drilling may be obtained fi	VV UTM NAD 83  VS UTM NAD 83  VS Generally used	Easting: Northing: tess: farm name:  f this code section; (2) The used in conjunction when the companion of the companion of the third co	The information required ith the drilling of a ensation for damages to the of this chapter. Additional nvironmental Protection
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relai headquarters, lo	Ty  Centerv  West Union 7  Tributary of Camp Mistake Run  Include:  t Virginia Code § 22-6A-16(c), this notice sh y W. Va. Code § 22-6A-10(b) to a surface of and (3) A proposed surface use and comper by oil and gas operations to the extent the teed to horizontal drilling may be obtained for cated at 601 57th Street, SE, Charleston, W	VV UTM NAD 83  VS UTM NAD 83  VS Generally used	Easting: Northing: tess: farm name:  f this code section; (2) The used in conjunction when the companion of the companion of the third co	The information required ith the drilling of a ensation for damages to the of this chapter. Additional nvironmental Protection
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relai	Ty  Centerv  West Union 7  Tributary of Camp Mistake Run  Include:  t Virginia Code § 22-6A-16(c), this notice sh y W. Va. Code § 22-6A-10(b) to a surface of and (3) A proposed surface use and comper by oil and gas operations to the extent the teed to horizontal drilling may be obtained for cated at 601 57th Street, SE, Charleston, W	VV UTM NAD 83  VS UTM NAD 83  VS Generally used	Easting: Northing: tess: farm name:  f this code section; (2) The used in conjunction when the companion of the companion of the third co	The information required ith the drilling of a ensation for damages to the of this chapter. Additional nvironmental Protection
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relai headquarters, lo pages/default.as	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr  Ty  Centerv  West Union 7  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice she y W. Va. Code § 22-6A-10(b) to a surface or and (3) A proposed surface use and comperby oil and gas operations to the extent the ted to horizontal drilling may be obtained fit cated at 601 57th Street, SE, Charleston, W px.	VV UTM NAD 83  VS UTM NAD 83  VS Generally used	Easting: Northing: tess: farm name:  f this code section; (2) The used in conjunction when the companion of the companion of the third co	The information required ith the drilling of a ensation for damages to the of this chapter. Additional nvironmental Protection ep.wv.gov/oil-and-gas/
State: County:- District: Quadrangle: Watershed:  This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relat headquarters, lo pages/default.as	Ty  Centerv  West Union 7  Tributary of Camp Mistake Run  Include:  t Virginia Code § 22-6A-16(c), this notice sh y W. Va. Code § 22-6A-10(b) to a surface of and (3) A proposed surface use and comper by oil and gas operations to the extent the teed to horizontal drilling may be obtained for cated at 601 57th Street, SE, Charleston, W	VV UTM NAD 83  Ver UTM NAD 83  Ver Uth Nad 83	Easting: Northing: Eess: farm name:  f this code section; (2) The used in conjunction we aining an offer of compable under article six-being the WV Department of Each or by visiting www.defatter 115 Professional Place	The information required ith the drilling of a ensation for damages to the of this chapter. Additional nvironmental Protection ep.wv.gov/oil-and-gas/
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relai	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr  Ty  Centervi  West Union 7  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice she y W. Va. Code § 22-6A-10(b) to a surface or and (3) A proposed surface use and comper by oil and gas operations to the extent the ted to horizontal drilling may be obtained ficated at 601 57th Street, SE, Charleston, W px.  EQT Production Company	VV UTM NAD 83  Ver UTM NAD 83  Ver Uth Nad 83	Easting: Northing: ess: farm name:  f this code section; (2) to e used in conjunction waining an offer of compable under article six-b one WV Department of E	The information required ith the drilling of a ensation for damages to the of this chapter. Additional nvironmental Protection ep.wv.gov/oil-and-gas/
State: County:- District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relat headquarters, lo pages/default.as Well Operator: Telephone:	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr  Ty  Centerv  West Union 7  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice sh  y W. Va. Code § 22-6A-10(b) to a surface or  and (3) A proposed surface use and comper by oil and gas operations to the extent the ted to horizontal drilling may be obtained fi cated at 601 57th Street, SE, Charleston, W  px.  EQT Production Company 304-848-0082	VV UTM NAD 83  Volet  VS' Generally used  Address:  Bridgeport	Easting: Northing: Eess: farm name:  f this code section; (2) The used in conjunction when the section is a simple to the third professional place.  115 Professional Place, WV 26330	The information required ith the drilling of a ensation for damages to the of this chapter. Additional nvironmental Protection ep.wv.gov/oil-and-gas/
State: County: District: Quadrangle: Watershed:  This Notice Shall Pursuant to Wes to be provided be p	t Virginia Code § 22-6A-16(c), notice is here surface owner's land for the purpose of dr  Ty  Centervi  West Union 7  Tributary of Camp Mistake Run  Include: t Virginia Code § 22-6A-16(c), this notice she y W. Va. Code § 22-6A-10(b) to a surface of and (3) A proposed surface use and comper by oil and gas operations to the extent the ted to horizontal drilling may be obtained for cated at 601 57th Street, SE, Charleston, W px.  EQT Production Company 304-848-0082  Vroark@eqt.com	VV UTM NAD 83  Volet  VS' Generally used  Address:  Bridgeport	Easting: Northing: Eess: farm name:  f this code section; (2) The used in conjunction when the section is a simple to the third professional place.  115 Professional Place, WV 26330	The information required ith the drilling of a ensation for damages to the of this chapter. Additional nvironmental Protection ep.wv.gov/oil-and-gas/

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

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

appropriately secure your personal information. If you have any questions about our use or your personal information, please contact

WW-6A5
(1/12)

Operator Well No.

512892

# STATE OF WEST VIRGINIA

# DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Date of Noti	ice: JUN 2 4 2015 D	ate Permit App	The party of the second of	JUN 2	4 2015
Delivery me	thod pursuant to West Virginia Code § 22-6A-	16(c)			
	RTIFIED MAIL HAN URN RECEIPT REQUESTED DELI	D VERY			
return receipt the planned or required to be drilling of a ho damages to the	V. Va. Code § 22-6A-16(c), no later than the date for t requested or hand delivery, give the surface owner operation. The notice required by this subsection shall e provided by subsection (b), section ten of this artic prizontal well; and (3) A proposed surface use and come the surface affected by oil and gas operations to the come es required by this section shall be given to the surface	whose land will l all include: (1) A c cle to a surface ov ompensation agre extent the damag	oe used for the dopy of this code so wher whose land dement containings are compensa	rilling of a horizontal we section; (2) The informa will be used in conjunct g an offer of compensa ble under article six-b o	ell notice of tion ion with the tion for f this chapter.
Notice is here	eby provided to the SURFACE OWNER(s)				
(at the address	ss listed in the records of the sheriff at the time of no	otice):			
Name:	Richard and Yvonne M	tetcalf /Name	:		
Address:	128 Villa	age Dr / Addre	ss:		
	Bridgeport WV	26330			
	Vest Virginia Code § 22-6A-16(c), notice is hereby give the surface owner's land for the purpose of drilling and work with the surface owner's land for the purpose of drilling and work with the surface owner's land for the purpose of drilling and work with the surface of the		Easting: Northing: cess:	The state of the s	7 515,452.620000 7,357,471.450000 WV-18 Donna J. Peter
Watershed:	Tributary of Camp Mistake Run				
to be provide horizontal we surface affect information r	Vest Virginia Code § 22-6A-16(c), this notice shall inc d by W. Va. Code § 22-6A-10(b) to a surface owner of ell; and (3) A proposed surface use and compensation ted by oil and gas operations to the extent the dama elated to horizontal drilling may be obtained from the c, located at 601 57th Street, SE, Charleston, WV 253	whose land will be n agreement cont ges are compensa ne Secretary, at th	e used in conjunc aining an offer of able under article se WV Departme	tion with the drilling of compensation for dam six-b of this chapter. A nt of Environmental Pro	a pages to the dditional otection
Wall Operate	EOT Draduction Company	*Adams.	115 Profession	-1.01 0.0 0- 200	
Well Operato Telephone:	r: EQT Production Company 304-848-0082	_ Address:	WV 26330	al Place, P.O. Box 280	2- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-
Email:	vroark@eqt.com	Facsimile:	304-848-0040		Q = 10 311C
E-HMID	Jan 10 oquooni	_ racanime.	304-040-0040	Of	ice -
Oil and Gas P	rivacy Notice:			0.	Traculum 25 Zuio
	Oil and Gas processes your personal information, su	ch as name addr	ass and tolenhon	number as part of ou	r requirement

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 wilh h 13 decided to comply with statutory or regulatory requirements, including Freedom of Information Act requests. 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.



# WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Paul A. Mattox, Jr., P. E. Secretary of Transportation/ Commissioner of Highways

Earl Ray Tomblin Governor

June 23, 2015

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

Subject: DOH Permit for the WEU 4 Well Pad, Tyler County

512890 WEU4H1 512891 WEU4H2 512892 WEU4H3 512893 WEU4H4 512894 WEU4H5 514052 WEU4H7 514053 WEU4H8 514054 WEU4H9

514055 WEU4H10

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 1407A10 1945 10 1242 C. 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.

Jany K. Clayton Gary K. Clayton P.E.

Regional Maintenance Engineer

Central Office Oil & Gas Coording ON ED

Office of Oil and Gas

JUN 2 5 2015

WV Department of Fruironmental Protection

Cc: Nick Bumgardner EQT Production Company

CH, OM, D-6

File

# Anticipated Frac Additives Chemical Names and CAS numbers

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

4709502280

MA Debaution

MA Debaution

Euritoumsurer Lungainn

### PROJECT INFORMATION

TAX PARCEL MCELARY AND CENTERVILLE DESTRICTS TYLES COUNTY, BY TAX MAP IS PARCEL BE

SURFACE CRADE DOWNA 2 FETER TOTAL PROFESTY AREA 113.44 ACRES TAX MAP 16 FARCE, 22

RICHARD & TYCNNE METCALF TOTAL PROPERTY AREA \$1.575 ACRES TN 18-17

OIL AND GAS ROYALTY OFNER.

\*\*ACO DIE & GAS CO. DEC ET AL

\*\*EST UNION DISTRICT
DOCUMENCE COUNTY, #V

TOTAL PROPERTY ANEA 152 & ACRES

SITE LOCATION

FILE FEMA WELL SITE IS SITUATE OF THE PATENT OF CAMP MISTANE BUY

APPRICAMENT OSS MERS WELL OF COUNT BOOKT SA

THE DESIGNATION OF SAME WELL OF COUNT BOOKT SA

THE STREEMSCHOOL OF COUNTY BOOKT SA NOT COUNTY BOOK SA

THE STREEMSCHOOL OF COUNTY BOOKT SA AND COUNTY BOOKT SA

LB. & SANDRA STONERING TOTAL PROPERTY AREA 69.441 ACRES TAX MAP 21 PARCEL 20

### LOCATION COORDINATES

WE'V4 SITE ENTRANCE LATITUDE: 39 MERZES LONGITUDE: -80.810071 (NAD 83 NORTH)

WEU4 RIG FOOTFRINT LATITUDE NA MARTIN LANGITUDE -80 820708 (NAC 83 NORTH)

WEUA PUMP FAD LATITUDE: 39 M65689 LENGITUDE: -80 620669 (NAD 83 NORTH)

WE'UN PLOWERCE PIT LENGTINDS: - 60 SELLIS (NAD 83 NORTH)

WEU4 TRUCK PAD LATITUDE: 39.84982 LONGITUDE: -80.821587 (NAD 83 NORTH)

WEUG COMPLETION PIT MANIFOLD PAD LATITUDE: 38 364008 LONGITUDE: -80 824945 (NAD 83 NORTH)

WEU4 COMPLETION PIT IATITUDE: 28 065884 LONGITUDE: -60 825816 (MAD 83 NORTH)

### SITE DISTURBANCE COMPUTATIONS

ACCESS ROAD NO. 1 A NO. 2 - 601% ACRES
STOCKFULE STEE 1-6 - 4.50% ACRES
SEG FOOTPRINT - 3.25 ACRES
MANIFOLD FAD & FLOTBACK PIT - 8.31% ACRES
COMPLETION FIT - 3.33% ACRES
TOTAL SITE DESTURBANCE - 19.16% ACRES

ENTRANCE PERMIT

EQT PRODUCTION COMPANY WILL OSTAIN AN ENTRANCE PERMIT (FORM
MM-109) FROM THE WEST VINGOUS DEPLATMENT OF TRANSPORTATION
MINISTRATION OF COMMISSIONARY OF COMPANY
MINISTRATION OF COMMISSIONARY OF COMPANY
MINISTRATION OF COMMISSIONARY OF COMPANY
MINISTRATION OF COMPANY
MINISTRATION
MIN

MISS UTILITY STATEMENT
HER UTILITY OF HER WHICH, AND SOTTING FOR THE LOCATING OF
UTILITIES FROM TO THES PROUNTED SPICE, THANKY \$133017623.
IN ACCURACY, MESS UTILITY VILL BE CONTACTED FROM TO START OF THE
PROUNT.

FLOODPLAIN NOTE THE PROPOSED LIKES OF DESTURBANCE FOR THES PROJECT IS LOCATED IN FEMA FLOOD EXCHE I, FER THE FLOOD INSURANCE RATE MAP (FISH) MUNICIPAL SHOPSCOSOO, DATED MAY 3, SUID.

### ENVIRONMENTAL NOTES

A WITLAND EMPLATION TAN PERSONNESS ON AFFEL 83-08, 2013 EF POTEITA AND ASSOCIATES, INC. TO REVERE THE STEE FOR WATERS AND WITLANDS THAT ARE MOST LEKEN WITHOUT THE REGULATORY PROPERTY OF THE U.S. ADMY COURS OF EMPLACEMENT MAY NOT LEKEN WITHOUT THE REGULATORY PROPERTY OF THE U.S. ADMY COURS OF EMPLACEMENT AND ASSOCIATED THE SERVICE STEEL 147-1570. NAS PERSONNESS OF FORTERS AND ASSOCIATED, DC. TUNNANCES THE RESULTS OF THE PROPERTY OF THE PROPERTY AS ASSOCIATION OF THE VIBER OF THE RESULTS OF THE PROPERTY OF

### HORIZONTAL & VERTICAL CONTROL

COORDINATES AND ELEVATIONS USED FOR ALL LATOUTS AND DESIGNS WERE BASED UPON MAPPING PURNISHED BY SAITH LAND SURVEYING.

MISS Utility of West Virginia 1-800-245-4848 West Virginia State Law
(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!

# WEU4 SITE PLAN **EQT PRODUCTION COMPANY**

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





WED-L MAD BY WELL LOCATIONS							
MELL	27.2	WELL STATUS	MI	LAT	LON	MORTHING.	EASTING
111	202090	PROPOSED	67-295-0227A	29.36664	BC R2TGGB	3 6199 40	13/95/33 71
45	5/70	PHOPOSET?	47-595-02779	19.36ensu	49 67054.6	14145.40	5/95/59 04
943	1/2845	PHOPOSED	47-095-02250	29.364364	\$5.8268.EW	2.0371.42	109564.43
194	312193	PROFOSED	A.f. ovel-errei	5'4 dealer	25 830904	10997 4	595 69 8
147	512194	PROFESED		39.366190	60.870589	215542.61	695.55.27
Pré:	507995	FRUESIES		34 20053.0	MC ADOTAV	318379 41	ITIYABD N
+12	E-02.54	PHIPMED		39 366ul2	25 42004/W	2022 5.43	695 66 01
614	\$4155	PROFIDEZ:		24 Section	80.820827	5 at it. 37	595090 5
9-9	Minne	PROFESED		29.3669-0	80 123737	3.84.97.58	1595391.9
1115	0:0557	PHOPOSED		19.200412	90 825787	319483.56	154510: 54
94/1	101534	PRIPORT		59.366634	80 820767	110149 56	H-95106-11
111	20074	PROPERTY		19.5eeTvt	BE BASSAT	3 8455 34	11.95112.13
19(1	5-9560	PROPOSED		39 5ockés	til tilserii	3450.62	1995 44.41
114		PROPOSED	-	39 366/19	90 X2070A	5 feed7 39	1345(21.4
14(15)		PROPOSED.		19.566681	80.6266F6	315415.39	14/05/24 10

### LIST OF DRAWINGS

- 2 NOTES
- 3 OVERALL SHEET INDEX & VOLUMES
- A EXISTING OTHERS MAN
- N DEC ROOTENING DAY
- 10-11 FLOVENCE PIT NO 1 SECTIONS
- 12-13 PLOTIACE PIT NO. 2 SECTIONS
- IA TYPICAL RECTIONS 15 - ACCESS SOAR NO. 1 PROFILE
- 18-20 ACCESS ROAD NO. 1 SECTIONS
- 22 ACCESS HOAD COCHDINATE LAYOUT
- 24 TOPSOIL STORAGE AREAS PROFILES & SECTIONS
- 25 SPOIL STORAGE AREA PROFILE A SECTIONS
- 26 29 YEU4 RECLANATION PLANE
- 30 33 CONSTRUCTION DETAILS



DISTURBED AREA BY PROPERTY OWNER					
PROPERTY OWNER	DISTURBED AREA				
L.B. & SANDRA STONERING	0.42.4C				
RICHARD & YVONNE METCALF	2.25 AC.				
DONNA J. PETER	20.08 AC.				
TOTAL	72,75 AC.				

COVER SHEET
WEU4

DATE 04/30/2015

SCALE 1' - 2.000

DESIGNED BY: HVII

FILE NO. JOB

DHEET 1 OF 33 REV. 08/25/2015

OPERATOR

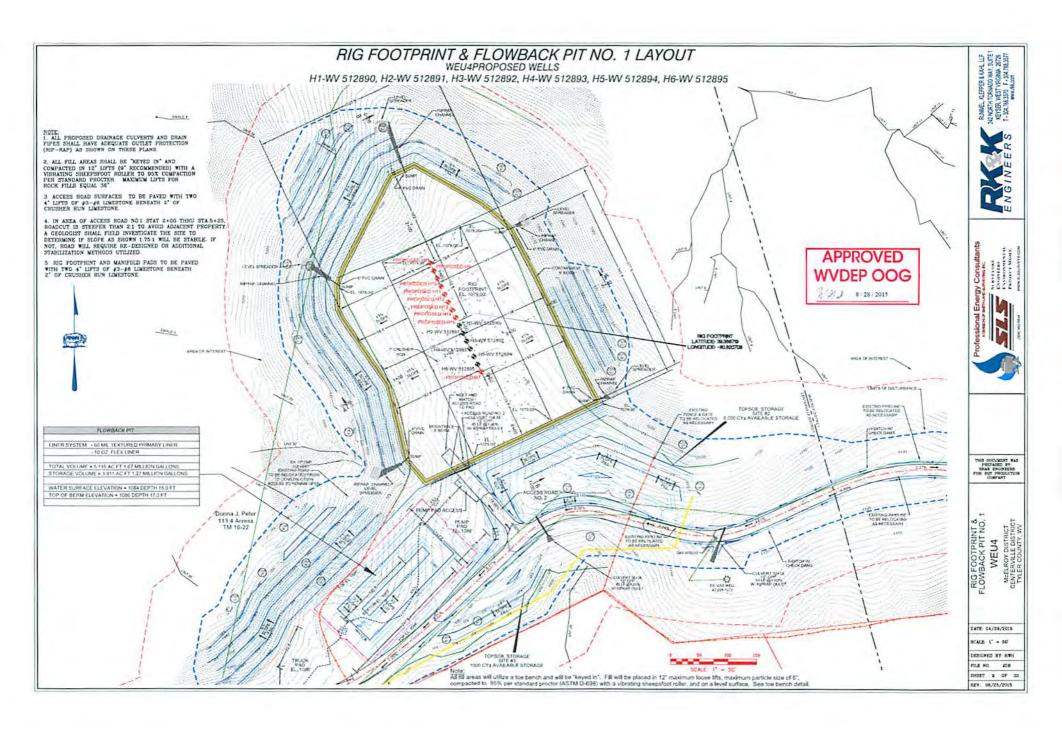
ENT PRODUCTION COMPANY OPERATOR ID: 308688 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WY B8330 PHONE (304) 348-3870

ENGINEER

REAK ENCOREERS 242 NORTH TORNADO WAY SUITE I KEYSER, WY 26726 PHONE: (504) 766-3370

SURVEYOR

SMITH LAND SURVEYING, INC. 12 VANHORN DRIVE P.O. BOX 150 GLENVILLE, WV 20051 FRONE: (SO4) 462-5034



### PROJECT, INTORNATION

rice test laught THE PROPEL SELECTION AND CENTRAL SELECT P. STATE OF SAFE AND CONTRACT OF

DOME I PLINE TO-AL PROPERTY LOTS 1135 SCHOOL 144 Notes 150011 40

ENGLAS BRILLY LEVES
BACK FILL & GUS CO FAT LI AL
WING LAND BRILLY LEVES
BACK FILL & GUS CO FAT LI AL
WING PROPERTS AND LIFE S MISS.

bit 100 comme.

In the second second

## LOCATION COORDINATES

es e tile equatica tonuesta dumante puo de noneate and southern. sain leads paper to the saint and the fact of contract still Contract to Montach Par tablete sometime Educates and the Land Principal

BUT BE THERE'C: CHALL'THEE

ENTRACTE: PERSON
Last PRODUCTION COMMAND OF EXCELLENCE COMMENT COMMAND CONTRACT COMMENTS COMMENTS OF C

Minis Upikely Spatished of water and the end to be about the state of section and the state of t

ILDORPHAIN NOIL interference that here contained to the age of the contained to the contain

### LAVINDAXLACAL HOLES

A minimal residence and filling was a large on the special was a transmit of an experience of the special spec

## HORIZONIAL & VERTICAL CONTROL

COMMERCIAL AND EXPENSES AND NOTIFICE AND TANK AND ASSESSED ASSESSED.

ula Tility of Vest Ingents I 800 245 4848 Vest Treiting that Law Requires that you call two business days before you dig to the tide of West Vegetto 11'd the tide

# WEU4 SITE PLAN **EQT PRODUCTION COMPANY**

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



Environmental WV Departm RECEI Office of Oil JUL 2 00 VED and Gas ent 78:5 Q

### LIST OF DRABINGS

- 1 rough limit
- t bull t
- I Getaut total mich a spring .
- I LIDER LIESTY PLAN
- a marmittee of
- of its off want a feet was a section to
- 11 to 100000 111 54 4 31 14.55
- er office titches.
- A PER A COURT OF THE PARTY.
- DE APRILE BEAR FOR BRANCH TAR.
- the 24 sales with east of the
- to the standard stands

AND CONTROL OF THE STATE OF THE



nale de Riverti

the er ma -

BOLKHIOE

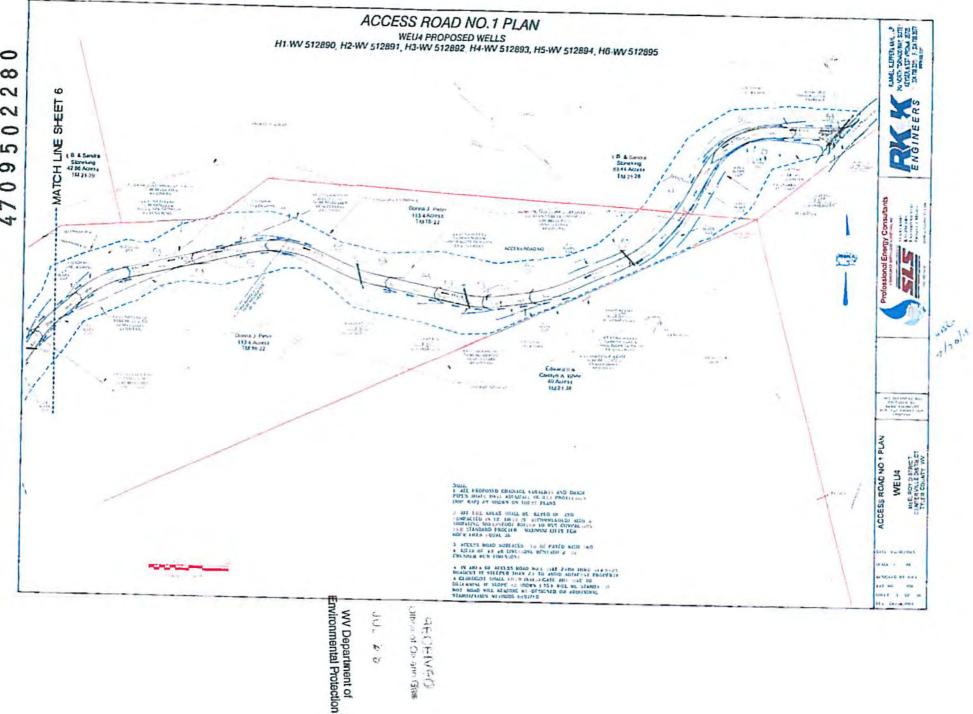
i of Productive status of the first of the status of the s

LNGINLER #18# | \$24542 E0 11.16 1 10.15 1 10.

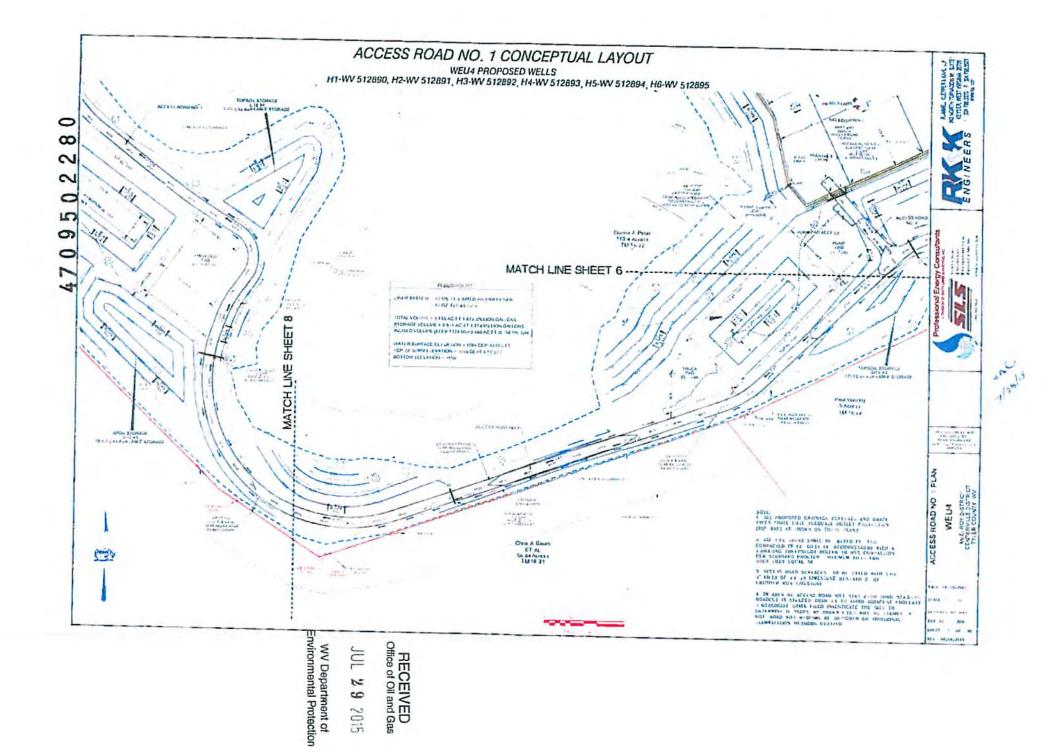
Mulia J39/15

HOLYANDE

CHANNEL OF MANAGEMENT OF ANY PROPERTY OF ANY PROPERTY OF ANY PROPERTY OF ANY PERSON OF



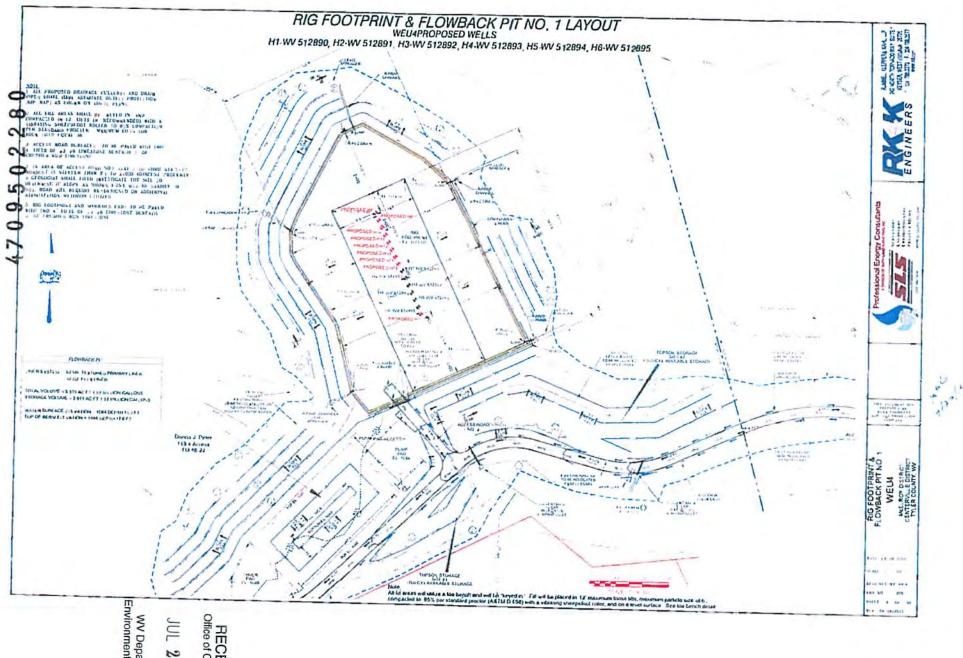
20 डां



70

3

Gas



WV Department of Environmental Protection

RECEIVED
Office of Oil and Gas

9 20

WV Department of Environmental Protection

9 20:5

JUL 2 9 76 5
WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas