

#### 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

April 11, 2016

#### WELL WORK PERMIT

#### Horizontal 6A Well

This permit, API Well Number: 47-9502343, 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.

Operator's Well No: 512894

Farm Name: PETER, DONNA J.

James Martin

API Well Number: 47-9502343

Permit Type: Horizontal 6A Well

Date Issued: 04/11/2016

A	PI	Number:	

#### PERMIT CONDITIONS

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

4709502545

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

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(4/15	5)	

CMINA	41	٠.	095	0
OPERATO	RWE	11.110		512894
Well Par	d Nai	na:		WEU4

# Well Pad Name: 470950 21564 F VEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Operator	EOT Production (	vnaarnoS		306686	095	<del>                                      </del>	671
•				Operator ID	County	District	Quadrangle
2) Operator's Well	Number:		512894	~-~-·	_Well Pad Nam	10	WEU4
3) Farm Name/Surf	ace Owner :		Donna J. Pel	cr	_Public Road A	ccess:	₩V-18
4) Elevation, curren	t ground: 1.0	097.0	Eleva	tion, proposed p	nst-construction	1,079.	0
5) Well Type: (a) G	ns <u>.</u>	Oil	Ur	derground Store	ige		
Oi	her						
(b)	lf Gas: Sha	ıllaw	•	Deep			
	Horia	contai	•			<b>γ</b> Φ,	Dinlt
6) Existing Pad? Ye	s or No: <u>y</u>	25				7.14/12	7-24-11
7) Proposed Target	Formation(s), Dep	h(s), Anti	cipated Thicks	nesses and Asso	ciated Pressure	(ទ):	
Target formation is	Marata at a dept	nol 669			u 54 feet and antic	spated target press	ure of 2747 PSI
n n			Top al	Marcellus: 6650	)		
B) Proposed Total V	• •				6680		
9) Formation at Tota					Marcellus		
10) Proposed Total I					9620		
11) Proposed Horizo		•			2468		
12) Approximate Fre					139,182,193	.211	
13) Method to Deter	*****	Depth:			By offset w	ells	
14) Approximate Sal	· -			113	5, 1226, 1229		
15) Approximate Co.					237,288,703	·····	
16) Approximate De						None repo	orted
17)Does proposed w		coal sear	ns directly ov				
adjacent to an a					£	110	
(a) If Yes, provid							
		epth:					
		ram:					
	O:	vner:					

Page 1 of 3

WW - 6B	
(4/15)	

47 0 9 5 ОСАЯМЕ АМО ЖИВІМЕ РНОЕНАМ

APINO.	<u>.17</u>	٠.	095	-	0
OPERATO	A WE	1.20	<u> </u>		512894
Well Pag	i Nar	ne:			WELL

TYPE	Sizo	New	Grade	Weight per II.	FOOTAGE:	INTERVALS:	CEMENT:
	(in)	<u>or</u> Used		( <u>lb/lt)</u>	for Drilling	<u>Left in Well</u>	Fill- up (Cu.Ft.)
Conductor	20	New	۸٠500	78.6	40	40	60 C.T.S.
Fresh Water	13 3/0	New	J-55	54.5	757	757	708 C.T.S.
Coal			-	-	-	-	
Intermediate	9 5/8	New	A-500	40	2,872	2,672	1,129 C.T.S.
Production	5 1/2	New	P-110	20	9,620	9,620	See Note 1
Tubing	2 3/8		J-55	4.6			May not be for, I run roll to set tor less than TO
Liners							

	VT-22			$\mathcal{D}^n$	H 3-25-16	JB 3/3/16	
TYPE	<u>Sizo (in)</u>	<u>Welibora</u> <u>Diameter (in)</u>	<u>Wall</u> <u>Thicknoss</u> (in)	Burst Pressure (nsi)	Anticipated Max, Internal Pressure (psi)	<u>Cament</u> <u>Type</u>	Coment Yield (cu. lt./k)
Conductor	50	26	0.375	-	16	Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,730	2,184	* Sec Note 2	1.19
Coal							
Intermediate	9 5/8	12 3/8	0.395	3,950	3,160	* See Note 2	1.19
Production	5 1/2	8 1/2	0.361	12,640	10,112	-	1.07/1.86
Tubing						T-1.1.	
Liners							

#### **Packers**

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

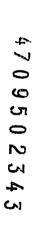
Note 1: EQT plans to bring the TOC on the production casing cement job 500' above the top producing zone.

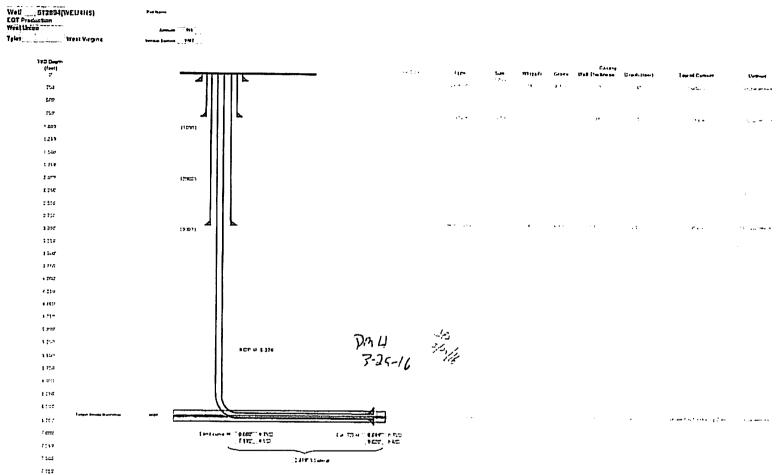
Note 2: Reference Variance 2014-17. (Attached)

Page 2 of 3

WW - 6B	APINO. 47 - 095 -	a
(10/14)	OFERATOR WELL NO. 5128	_
47005007	Well Paul Name: WEI	
19) Describe proposed well work, including the drilling and plugging back of any pilot hole:		
Drill and complete a new horizontal well in the Marcellus formation.		
Drit the vertical to an approximate depth of 5376".		
Rick off and drift curve. Only lateral in the Marcellus. Cement casting.  20) Describe fracturing/stimulating methods in detail, including anticipated max pressure an	d max rate:	
Hydraute fracturing is completed in accordance with state regulations using water regulated from manipulations and	and smaller manufully builty and document	
restricted sources. This water is mixed with sand and a small percentage (less than 0.3%) of chemicals linchisform	n 15% Hurtrocktoric neld	
gelling open), get breaker, friction reducer, blocide, and scale inhibitor), referred to in the Industry os a "slichwater" anticipated internal casing pressure is expected to average approximately 8500 psf, maximum enticipated treating	completion. Maximum	
oppositional 920,000 visitable for the first state of the first state	r per stage. Sand sizea	
vary from 100 mosts to 20/40 mosts. Average approximately 200,000 pounds of sand per stage.		
21) Total area to be disturbed, including roads, stockpile area, pits, etc, (acres):	No additional	
22) Area to be disturbed for well pad only, less access road (acres):	No additional	
Describe centralizer placement for each casing string.     Surface: Bow spring centralizers — One at the shee and one spaced every 500'.		
<ul> <li>Intermediate: Bow spring centralizers—One cent at the shoe and one spaced event 500.</li> </ul>		
Production: One spaced every joint from production casing shoe to KOP		
24) Describe all cement additives associated with each cement type.  Surface (Type 1 C) Used to speed the setting of cement sturries.	ement); 0-3% Calcium Chlorida	
0.25% flake, Loss Circufation Material (LCM) is used to combat the loss of the cement sterry to a third	2000	
Intermediate (Type H Cement): 0-3% Calcium Chloride. Salt is used in shallow, low temperature formations	In spend the setting of company	
slumes. 0.25% flake. Loss Circulation Material (LCM) is used to combat the loss of whole drilling fluid to a thief zone6% Super Ft-300 (Fluid loss/lengthens thickening time)	or cement slurry (not littrate)	
Production:		
Lead (Typo H Cement): 0.2% CD-20 (dispersant makes cement easier to mix)15% SuperFL-300 (fluid loss/)	enethens thickening times	
.15% SEC-10 (fluid loss) 50:50 POZ (extender)	only the state of	
Tail [Type H Cement]: 0.2% Super CR-1 (Retarder). Lengthens thickening time3% Super FL-200 (fluid loss)		
.2% SEC-10 (Fluid loss)2% SuperFL-350 (fluid loss). Reduces amount of water lost to formation.		
60 % Calcuim Carbonate. Acid solubility.		
	7-25-16 3/24/HE	
25) Proposed borehole conditioning procedures. Surface: Circulate hole clean (Approximately 30-4	15 minutes) rotating & reciprocating	
one full Joint until cultings diminish at surface. When cultings returning to surface diminish, continue to	circulate an additional 5	
minutes. A constant rate of higher than expected cuttings volume likely indicates washouts that will n	ot clean up.	
Intermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until o	uttlege diminich at	
surface. When cuttings returning to surface diminish, continue to circulate an additional 5 minutes. If I		
Itole cleaning use a scap sweep or increase injection rate & form concentration.	similar, to canding	
Production: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bot	toms un volume	
Perform a cleanup cycle by pumping 3-5 bottoms up or until the chakers are clean. Check volume of c		
the shallow sum of minutes	The second second	

\*Note: Attach additional sheets as needed.





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

March 18, 2014

4709502343

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

Re: Cement Variance Request

Dear Sir or Madam,

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

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

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

Sincerely,

James Peterson

Environmental Resources Specialist / Permitting

Promoting a healthy environment.

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Office of Oil and Gas

JAN 1 5 2016



#### 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	)		
AND GAS WELLS	)		

#### REPORT OF THE OFFICE

4709502343

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.

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Office of Oil and Gas

JAN 1 5 2016

#### CONCLUSIONS OF LAW

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

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

#### ORDER

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

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

IN THE NAME OF THE STATE OF WEST VIRGINIA

4709502343

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

James Martin, Chief Office of Oil and Gas

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Office of Oil and Gas

JAN 1 5 2016



January 13, 2016

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 (512894)

Dear Mr. Smith,

EQT is requesting the 13 3/8" surface casing to be set at 757' KB, 50' below the coal at 703-707' KB. We will set the 9-5/8" intermediate string at 2872' KB, 50' below the base of the Gordon.

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

Sincerely,

Vicki Roark

Permitting Supervisor-WV

Enc.

4709502343

WV Department of Environmental Protection

Office of Oil and Gas JAN 1 5 2016

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Office of Oil and Gas

JAN 1 5 2016

4709502343

From 1 or 2
API No. 47 095 00
Operator's Well No. 512894

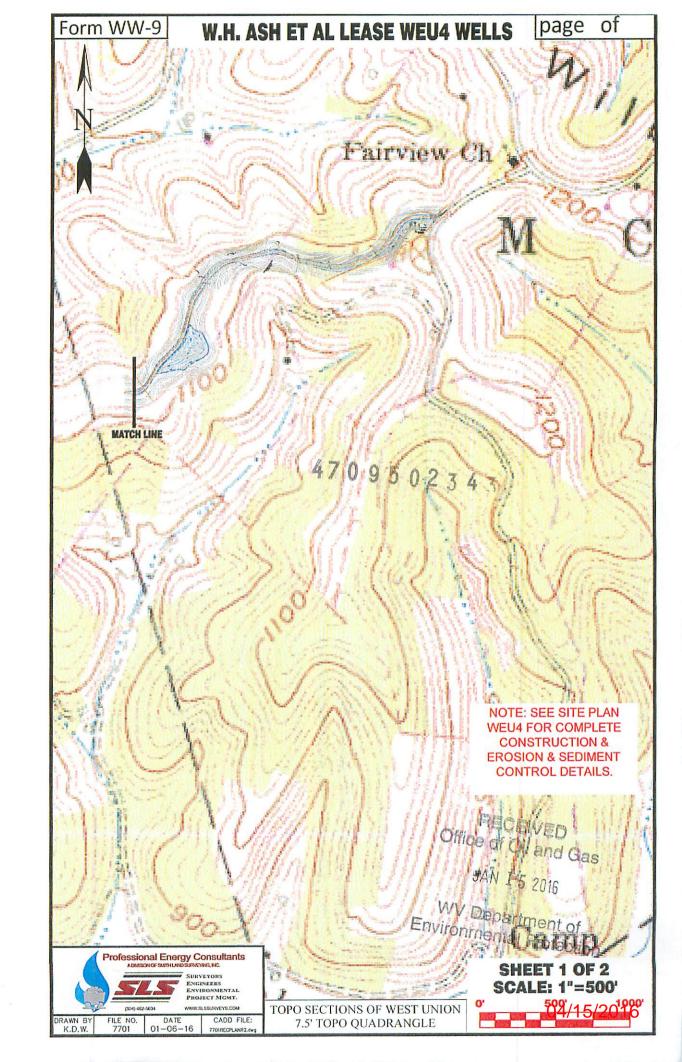
(2/15)

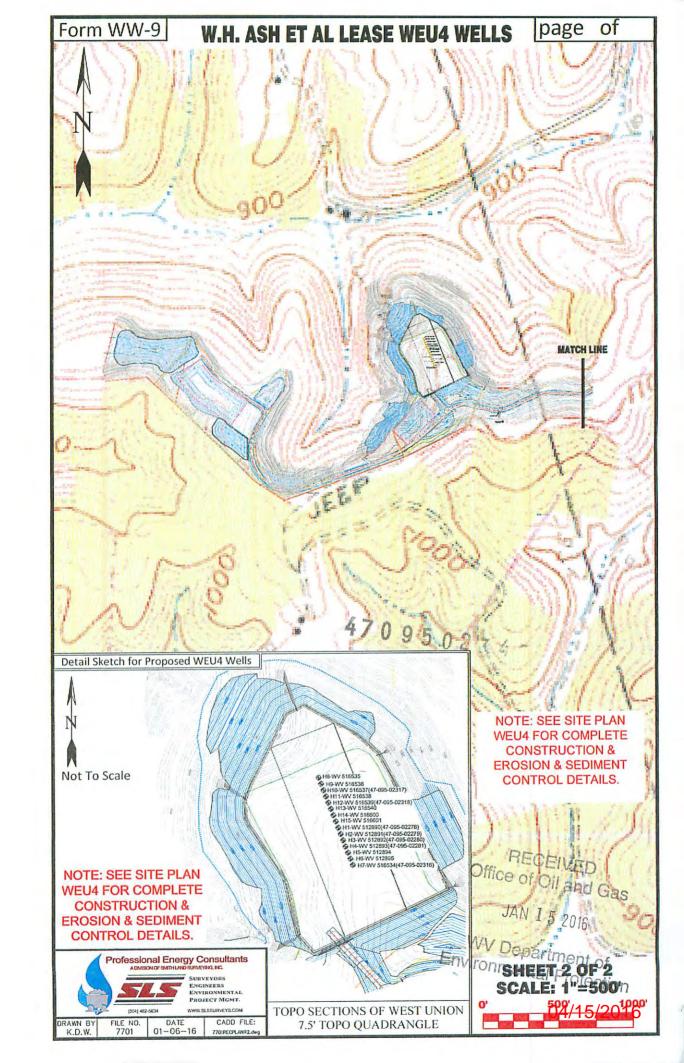
## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

Fluids/Cultings Disposal & Reclamation Plan

	r taldardattings biapasar a	riccialitation i tali		
Operator Name	EOT Production Company	OP Cade	306686	
Watershed (HUC10)	Tribulary of Camp Mistake Rya	QuadrangleW	est Union 7.5'	
Do you anticipate using m	ore than 5,000 bbls of water to comp	plete the proposed well work	? Yes <u>x</u> Ho	
Will a pit be used ? Yes:	X No.			
II sa please dosant	ea anticipated pit weste:	flowback water 8 resid	ual solids	
Will a synthetic line	to be used in the pit? Yes X	No II so, v.	hat ml.?ED	
Proposed Dispos	al Method For Treated Pit Wastes:			
•	Land Application Underground Injection ( UIC	Permit Number 0914.	8462, 4037	
•	Reuse (at API Number	Various	1	
•	Off Site Disposal (Supply for Other (Explain	m WW-D for disposal locatio	n)	
	<del></del>		<u></u>	
Will closed loop system be	e used 7 Yes. The closed loop system prepared for transportation to an off-	<u>m will remove dell cuttings from</u> site disposal facility	the daling	
•	d for this well (vertical and horizontal			
	ise entituen tonkton medimentala proklakki. Viutek abel Limbo etena, med belnik untoma mekkalikilisi milindan n	<del></del>	rations to the Are	Dhu
				ο η Υπιτ
				3-24-16
	hal type? Synthetic, petroleum, etc	·	<del></del>	
Additives to be used in dri		de cord : determent de lemmary water. Water		
	onuci, deficiculates, bodegradable od lebrza od, omelisiler, salt, lime, yljenisiler, glindindy d			265 /14
biodegradable of lubricant , rich				?\z,,
- ·	thod? Leave in pit, landfill, removed		Landill	
	kin to sold ly what medium will be used? (Cer e name/permit number?	ment, Line, rawdish See Attached List	n/a	
	, manus period consecutive con			
	n notice to the Office of Oil and Gas of a Llacisty. The natice shall be provided wi y disposed.			
on August 1, 2005, by the Office	and agree to the terms and conditions of the ( of Od and Gas of the West Virginia Departme revalue by law Vicintions of any term or cond ment action.	ent of Environmental Protection. For	nderstand that the	
opplication form and all attachme	ow that I have personally examined and umfa into thereto and that, based on my inquiry of t	mose individuals immediately respo	inscile for obtaining	
	information is true, accurate, and complete. I ideng the possibility of the or impresember.	Jami nerare that there are striptean	I penallies for	
Company Official Signatur	e //w	T 1/1/		
Company Official (Typed I		Victoria J. Roark		
Company Official Title	Pen	mitting/Supervisor		
Subscribed and swom bel	are me Ihis 13 day of	January	20 110	
Ruecca L	· Wanstreet	<u> </u>	latary Public	
My commission expires	<u>4-7-20</u>	)		DIN CHICAL STAL
				HOTARY FUBLIC STATE OF WORTH MEDIA THE BESCA L. WANGTHEET CUT ABOUTTION COMPANY FOR DOX 200 BONDER OF MEDIA STATE IN IN

Form WW-9		Operato	or's Well No.	51289-
Proposed Revogetation Treat	ment: Acres Dist	urbed No additional	Pravegetation pH	6.3
Llme 3	Tans/a	ncre or to correct to pH	6.5	
Fertilize type	Granular	10-20-20		
Fertilizer Amount	1/3	lbs/acre (500 lbs minimum)		
Mulch	2	Tons/acre		
		Seed Mixtures		
Tempora Saed Type KY-31	lbs/acre 40	Seed Type Orchard Grass	Permanent Ibs/acr 15	n
Alsike Clover	5	Alsike Clover	5	
Annual Rye	15			
Drawing(s) of road, location,pi		• •		
Plan Approved by:	<u>/</u> ,_/			
Comments:				<del> </del>
				<del></del>
· · · · · · · · · · · · · · · · · · ·				
Tille: Oil + Ges	Engretter	Date:	1-/4	
Field Reviewed? (		) Yes (	) No	





# EQT Production Water plan Offsite disposals for Marcellus wells

#### CWS TRUCKING INC.

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

#### LAD LIQUID ASSETS DISPOSAL INC.

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

#### TRI COUNTY WASTE WATER MANAGEMENT, INC.

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

#### **Waste Management - Meadowfill Landfill**

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

#### **Waste Management - Northwestern Landfill**

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

#### **BROAD STREET ENERGY LLC**

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

#### TRIAD ENERGY

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

#### KING EXCAVATING CO.

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

4709502343

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Office of Oil and Gas

JAN 1 5 2016

4709502343



## Site Specific Safety Plan

## EQT WEU 4 Pad

# Alma Tyler County, WV

For Wells:

Date Prepared:

January 11, 2016

WV Oil and G

WV Oil and G

Title

1-13-16

Date

Date

WV Oil and Gas Inspector

Si'l + Les Paperles

Title

3-25-16

(304) 402-5034 • PAX 402-8086

#### WELL INFORMATION AND POTENTIAL WATER WELL SAMPLE DATA SHEET

OPERATOR: <u>EQT Production Com</u>	pany			
LEASE NAME AND NUMBER:	WEU-4		-	
	COMMEN	<u>a</u> /	0950	2343
The initial field and/or mapping review listed surface owner(s) that were poter other purposes within 2500' of the property.	itially utilizing g	roundwater (potable):	for Human Co	nsumption or
INDIVIDU	AL CONTACT	ED OR NOTIFIED		
Site: / Spacing /220' O	wner/Occupant	Donna Peter		
Address: 733 ridge rd. Wilbur, WV 2	6320	Ph:	(304)-758	8-4495
Field Contact Date: 04/23/2015 Loca	ted: Yes E	Pate Located: 04/23/20	/5 Source:	Water Well
If No, declined by who Le				
Comments: Lat: 39,369336				
Long: 80.823230				
Tax Map 16, Parcel 22			** . *	
Site: 2 Spacing 1075' On Address: 733 ridge rd, Wilbur, WV 20 Field Contact Date: 04/23/2015 Local	<i>1320</i> led: <u> </u>	Ph: ate Located: 04/23/201	5 Source:	Water Well
If No, declined by who Let Comments: Lat; 39,369112	ter/Notice Date: 1s	t <u>04/09/2015</u> 2nd <u>04/2.</u>	3/2015 Certified	(3rd) <u>04/17/201.</u>
Long : 80.822699				
Tax Map 16, Parcel 22				
Site: 3 Spacing 1030' Ov	vner/Occupant:	Donna Peter		
Address: 733 ridge rd. Wilbur, WV 20	320	Ph:	(304)-758	-4495
Field Contact Date: 04/23/2015 Locat		ate Located; 04/23/201		
If No, declined by who Lett Comments: Lat: 39.365439	er/Notice Date: 1s	04/09/2015 2nd 04/2	3/2015 Certified	(3rd) 04/17/2015
Long: 80.823990				
Tax Map 16, Parcel 22				
Site: 4 Spacing 2050* Ow	ner/Occupant:	Bruce Stoneking		
Address: RR. I Box 304 BB Elkins, WI		Ph:		
Field Contact Date: 04/23/2015 Locate			Source	Water Well
If No, declined by whoLette Comments: Lat: 39.370837				

7701.eqt.weu 4 finalwater.pg 1

Long: 80.815910

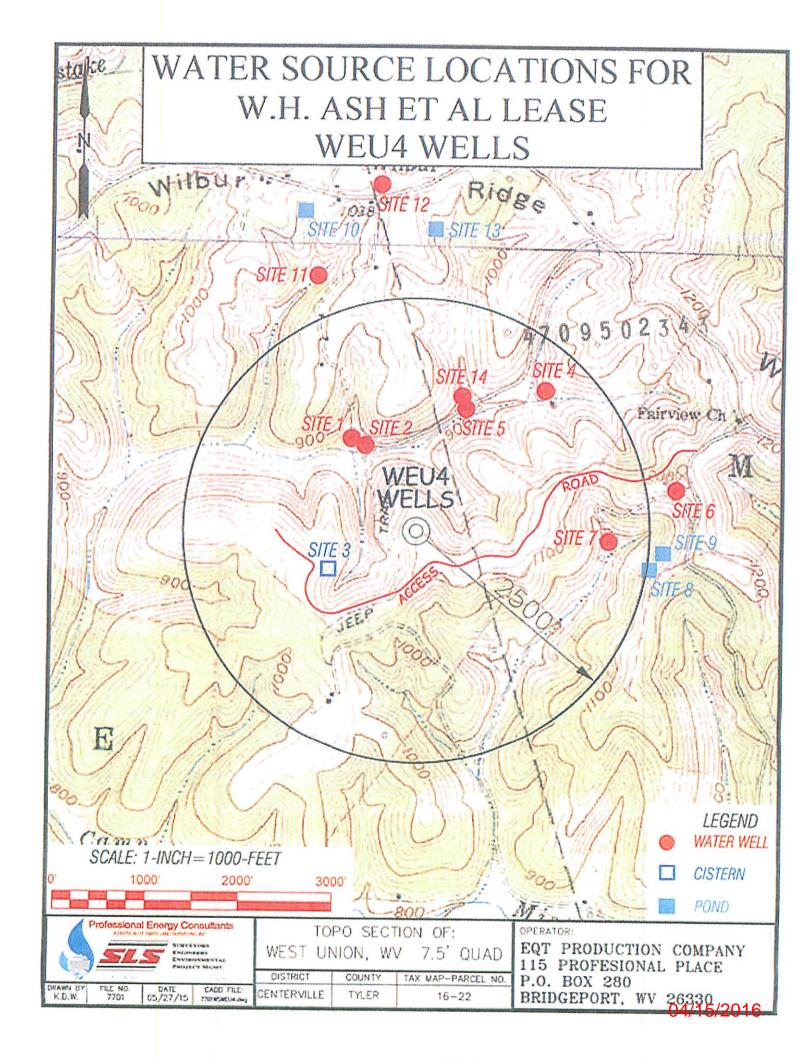
Tax Map 21, Parcels 28 and 29

Site: 5	Spa Spa	cing	1425"	Owner/0	Occupa	nt:	Bruce St	oneking		
Address:	 RR.1 B	ox 304	BB Elkins	WV 2624	1			Ph:		
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	Tax M	lup 21,	Parcels 28	and 29						
	Spa Spa	-		-		-	Edward	and Caroly	n White	
Address:			irnes Rd. J					Ph:	(301)-37	
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			irnes Rd. J					Ph:	(301)-37	
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		: 80.81								- 2 7 4 3
	Tax N	<i>lup 21</i> ,	Parcel 38						709	502343
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Address:		-	rnes Rd. Je				isanara i	Ph:	(301)-37	1.8521
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			Parcel 38		<del></del>					
	1 124 777	4, 2,,			<del></del>					
Site: y	Spac	cing	2665'	Owner/C	ccupar)	nt:	Edward a	ınd Carolyn	White	
Address: _	4316 Te	een Ba	rnes Rd. Je	fferson, M	D 21755			Ph:	(301)-37	1-8521
Field Cont	act Date:	05/2	0/2015 Loc	cated:	Yes	Date	Located:	05/20/2015	Source:	Pond
					co Dato:	1st <i>04.</i>	/09/2015 2	2nd 04/23/2	015 Certified	(3rd) 04/17/2015
Comments	: <u>Lat : 3</u>	9.3661	63	~~~						
	Long:	80.81	1260							
	Tax M	ap 21,	Parcel 38							
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Address.		· -			•		rrank and	<i>d Elizabeth .</i> Ph:	***	3003
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r No, decline Comments:	_	0 2740		.etter/Notic	e Date:	181 (/4/	09/2015 2	nd <u>04/23/2</u>	UI3 Certified	(3rd) <u>04/17/2015</u>
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	Long ;		Parcel 10					······································	<del></del>	
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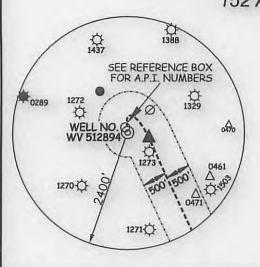
Site:	Spacing	2950'	Owner/	Occupar	nt: <i>F</i>	rank and	l Elizabe	th Abruzzin	υ
									-669-3892
									Water Well
									ified (3rd) 04/17/2015
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	Long : 80.8	24661							
	Tux Map 16	i, Parcel 10							
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	Long : 80.8						<del></del>		
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	Long : 80.8	20202							
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Site: /# Address:									
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									Water Well
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Comments.			<del></del>						
	Long : 80.8								
	Tax Map 16	, rarcei iu			<del> </del>				
Site: 15	Spacing		Owner/0	Occupan	nt: <i>C</i>	onrad Ce	stilow		
Address:		e island Rd.	West Unit	on, WV 20	6456		Ph:		
Field Contac	t Date.	N/A Lo	cated:	No	Date Lo	cated:	N/A	Source:	Unknown
If No, declined									figd (3rd) 04/17/2015
Comments:	No Response						28 8	<b>U</b> 9 5	02343
	Tax Map 16.	Parcel 14							
Site: 16	Spacing	-	Owner/C						
		10° 11 11		ccupan	L <u>Jo</u>	hn McDe	<i>phaia Jr.</i> Ph:		
1441 C33.	HC 74 Box 3	ic zuma, w	1 20320				FII.		
ield Contact	Date	M// 1		A1	D-1- '		81/4	C	11.t
			cated:		Date Loc	-	N/A	_Source:_	Unknown
f No, declined t	y who		Letter/Noti	ce Date:	1st <u>04/09</u>	-			Unknown ied (3rd) <u>04/17/2015</u>
Field Contact of No, declined to Comments:		· To Certific	Letter/Noti	ce Date:	1st <u>04/09</u>	-			

Site: /	Spaci	ng	Owner	Occupa	ant: <u>Paul W</u>	eckley (life	( <u>.</u> )	
Address:	4500 Mc	elroy creel	Rd. Alma, W.	V 26320		Ph	•	
Field Cont	act Date:	N/A	Located:	Νυ	Date Located	i: N/A	Source:	Unknown
If No, decline	d by who		Letter/No	tice Date	: 1st 04/09/2015	2nd 04/2	23/2015 Certi	fied (3rd) 04/17/2015
Comments	No Resp	onse To C	ertified Letter	As Of 05	/29/2015			, , , , , , , , , , , , , , , , , , ,
		16, Parce				<del></del>	<del></del>	<del></del>
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Site: //	v Snaci	20	Owner	/Osaus	ant: (1)		ь.	
Address:	7214 Rin	lanvine Dr	SF Warmach	wa OH	ant: <u>Chris a</u> 44688	<i>na Herstii</i> Ph		
-		N/A	Located:	No.	Date Located			Unkarran
If No decline	ed by who		Located	tico Date	Date_Located	1, (V/)	Source	fied (3rd) 04/17/2015
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		16, Parc		713 (7) (7)	747/2013			
	7 400 1714)	7 77, 7 47 6	-1				· · · · · · · · · · · · · · · · · · ·	
							<del></del>	**************************************
	Spaci	ng	Owner/	Occupa	ant: Leona			
Address:	1719 Jac	kson St. At	liquippa, PA L	5001	T 71	Ph		
Field Conta	act Date:	N/A	_Located:_	No	_Date Located	I: <i>N/A</i>	Source:_	Unknown
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	Tax Maj	16, Parce	:1 24					
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Site: 21	Spacin	g	Owner/0	Occupa	nt: <i>Richard</i>	Metcalf		
			lgeport, WV 26			Ph:		
Field Conta	ct Date:	N/A	Located:	No	Date Located:	N/A	Source:	Unknown
If No, declined							_	ed (3rd) 04/17/2015
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	Tax Map	16, Parcei	s 14.1 and 17			/ =	<b>A</b>	
						4	0950	2363
Site: 22	Spacing	<u> </u>	Owner/C	ocupar	nt: <i>John And</i>	dime		
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ield Contac		N/A			Date Located:		Source:	Unknown
f No, declined			-		•		<del></del>	ed (3rd) 04/17/2015
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		16, Parcel						
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						·····		

Site:	23	Spacing		Owner/	Occupa	ant:	Gary Pr	rosser				
Addres	SS:	HC. 74 Box	21 Wil	bur, WV 26320					Ph:			
Field C	Contact	Date:	N/A	_Located:_	No	Date	Located	: 1	V/A	Source:	Unknown	
											ed (3rd) 04/17/.	2015
				ertified Letter i				-			· · · · · · · · · · · · · · · · · · ·	
		Tax Map 1	6, Parc	el 15						· · · · · · · · · · · · · · · · · · ·		
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		_ Spacing		Owner/	Occupa	ant:	Howard	l and	Shanr	on Shriver		
Addres	***************************************			llma, WV 2632					Ph:			
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		Spacing		Owner/	Occupa	ant:			<u> </u>	<del></del>		
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rieid C	Joniac	i Date.		_Located:_		_Date	Located	<u> </u>		_Source:		
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riela C	ontact	Date:		_Located:		_Date I	Located:		_4	Souges		
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omme	nts:	y wno		Letter/Notic	ce Date:	1st		2nd _		Certifie	ed (3rd)	



#### EQT PRODUCTION COMPANY - W.H. ASH ET AL LEASE 152 ACRES±-WELL NO. WV 512894



(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH) NAD'27 S.P.C.(FT) N. 318,308.32 E. 1,626,596.43 LAT-(N) 39.366408 NAD'27 GEO LONG-(W) 80.820761

N. 4,357,462.98 NAD'83 UTM (M)

E. 515,455.05

LANDING POINT NAD'27 S.P.C.(FT) N. 318,205.88

E. 1,627,032.32

80°47'30

ONGITUDE

NAD'27 GEO. NAD'83 UTM (M) LAT-(N) 39.366145 N. 4,357,433.99

LONG-(W) 80.819215 E. 515,588.37

**BOTTOM HOLE** 

NAD'27 S.P.C.(FT)

N. 315,951.62 NAD'27 GEO. LAT-(N) 39.359999 E. 1,628,083.49 LONG-(W) 80.815380

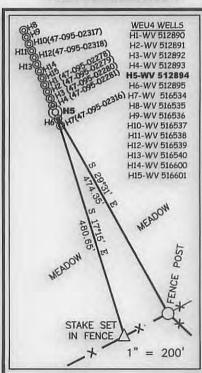
NAD'83 UTM (M) E. 515,920.07 N. 4,356,752.58

A	DONNA J. PETER	113.4 ACRES±	TM C-16-22
В	PAUL WEEKLEY (LIFE)	5 ACRES±	TM C-16-28
C	PAUL WEEKLEY (LIFE)	18 ACRES±	TM C-16-27
D	JOHN McDONALD JR.	23 ACRES±	TM M-21-41
E	JOHN McDONALD JR.	6.75 ACRES±	TM M-21-42
F	ANZANETTA DRAIN HRS	46.88 ACRES±	TM C-18-03
G	LESLIE MOORE ET AL	20.25 ACRES±	
LI	DODEDT DOWAND	DO 91 ACDEST	

1200000	(1111)	
D	JOHN McDONALD JR.	23 ACRES±
Е	JOHN McDONALD JR.	6.75 ACRES±
F	ANZANETTA DRAIN HRS	46.88 ACRES±
G	LESLIE MOORE ET AL	20.25 ACRES±
Н	ROBERT ROWAND	98.81 ACRES±
1	COREY & ANGELA ELINE	27.5 ACRES±
J	RICHARD & LISA HENDRICKSON	44.68 ACRES±
K	RICHARD & LISA HENDRICKSON	0.25 ACRES±
L	PAUL WEEKLEY (LIFE)	3.37 ACRES±
M	JAMES & KATHRYN McNULTY	50.18 ACRES±
N	CARL PERKINS	50.25 ACRES±
0	EDWARD II & CAROLYN WHITE	16 ACRES±
P	EDWARD II & CAROLYN WHITE	12.50 ACRES±
Q	EDWARD II & CAROLYN WHITE	40 ACRES±
R	ASIA CUMBERLEDGE	75.75 ACRES±
S	BRUCE & SANDRA STONEKING	69.44 ACRES±
T	BRUCE & SANDRA STONEKING	42.86 ACRES±
U	ELIZABETH ABRUZZINO	109.94 ACRES±
V	MARK PROSSOR ET AL	2.50 ACRES±
W	DAVID WOLFE	24.84 ACRES±
X	CONRAD COSTILOW	46.17 ACRES±
Y	JOHN ANDERS II	19.75 ACRES±
Z	RICHARD & YVONNE METCALF	61.57 ACRES±
AA	CHRIS BAUM ET AL	56.84 ACRES±
BB	LEONA LORKOVICH ET AL	45.89 ACRES±
CC	STONEWALL GAS COMPANY	2 ACRES±
DD	KENDRA & ROGER WYKE ET AL	9.5 ACRES±
EE	PEARLIE DAVIS	53 ACRES+

ROYALTY OWNERS						
PAUL WEEKLEY	18 AC.±	LEASE NO. 126184				
BLACKROCK ENTERPRISES LLC. ET AL	30 AC.±	LEASE NO. 126217				
BEATRICE BRADY ET AL	47 AC.±	LEASE NO. 126207				

### REFERENCES



Professional Energy Consultants

ENVIRONMENTAL PROJECT MGMT.

WWW.SLSSURVEYS.COM

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL NO AGRICULTURAL BUILDINGS 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED

P.S. 849

BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

MINIMUM DEGREE OF ACCURACY

1/2500

FILE NO.

No. 849
STATE OF VIRCHINGS OF ONAL SURVIVIA 7701P512894R1

HORIZONTAL & VERTICAL

DGPS (SURVEY GRADE TIE TO CORS NETWORK) CONTROL DETERMINED BY \_

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. DATE JANUARY 14

OPERATORS WELL NO.

WV 512894

API

REVISED\_

WELL STATE COUNTY

PERMIT

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



LIQUID WASTE WELL OIL GAS\_X "GAS" PRODUCTION X STORAGE INJECTION DISPOSAL DEEP SHALLOW TYPE: LOCATION: GROUND PROPOSED

**ELEVATION** 1,097 CENTERVILLE DISTRICT

WATERSHED \_\_ TRIBUTARY OF CAMP MISTAKE RUN

COUNTY TYLER

WEST UNION 7.5' QUADRANGLE 113.40±

DONNA J. PETER SURFACE OWNER -WACO OIL AND GAS INC. ET AL ROYALTY OWNER .

ACREAGE \_ 152± 04/15/2016\$ ACREAGE \_ LEASE NO.

MARCELLUS

6,696

PROPOSED WORK: DRILL X CONVERT \_

DRILL DEEPER\_

REDRILL\_

FRACTURE OR STIMULATE X PLUG OFF OLD

126129

FORMATION\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ PLUG AND ABANDON.

CLEAN OUT AND REPLUG\_\_\_\_\_ OTHER

PHYSICAL CHANGE IN WELL (SPECIFY)

ESTIMATED DEPTH\_

TARGET FORMATION \_\_\_\_

WELL OPERATOR EQT PRODUCTION COMPANY

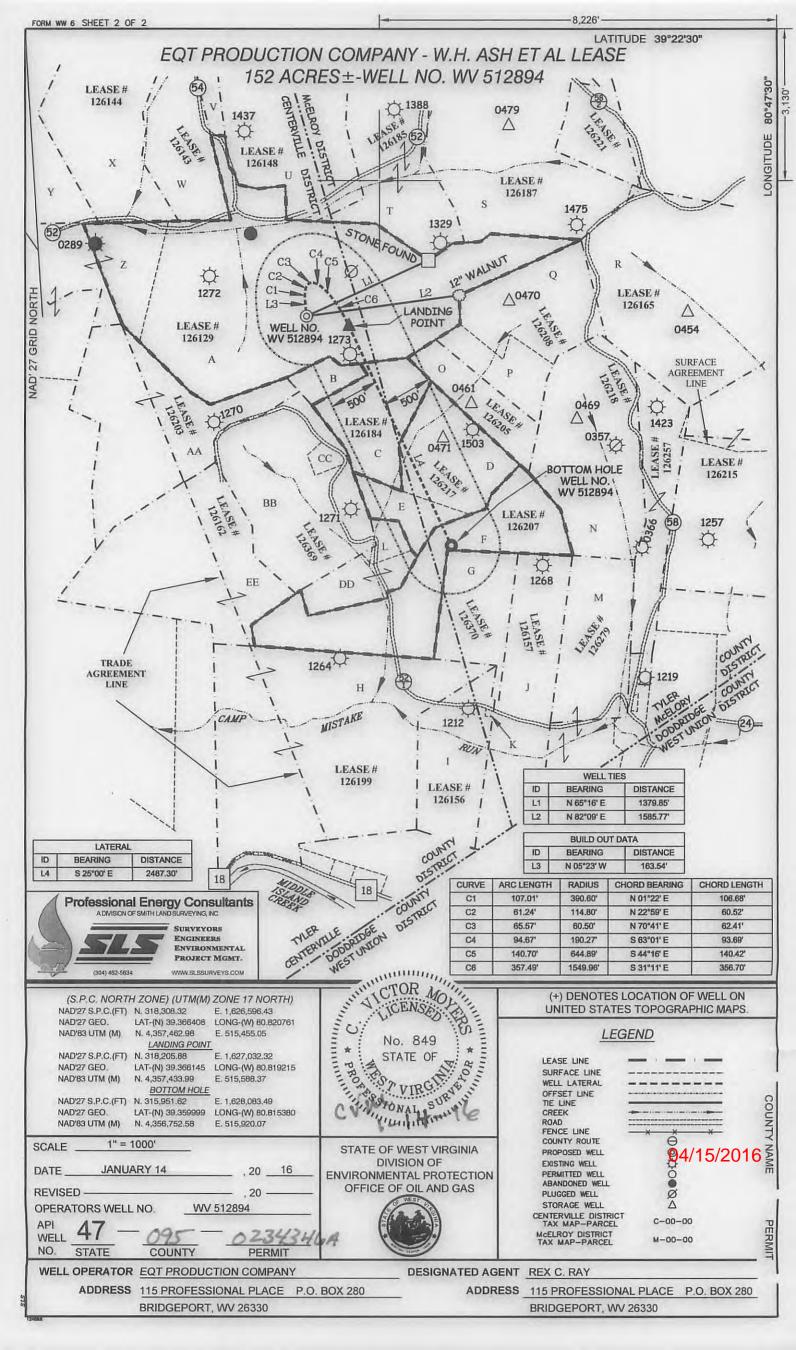
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280

BRIDGEPORT, WV 26330

DESIGNATED AGENT REX C. RAY

ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280

BRIDGEPORT, WV 26330



#### 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 14709502343 am the person who signed the Notice and Application for the Applicant, and that -

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

Lease	Nan	le

or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
126129	Waco Oil & Gas Co. Inc., et al (current royalty owner)		Min 1/8 pd	
	Willam H. Ash, et ux, et al (original lessor)	Equitable Gas Company		LB191/321
	Equitable Gas Company	Equitrans,Inc.		DB 274/471
	Equitrans, Inc.	Equitrans, LP		DB433/777
	Equitrans, LP	EQT Production Company		DB 396/640
	Equitrans, LP	EQT Production Company		OG 440/107
126184	Paul Weekly (current royalty owner)		Min 1/8 pd	
	Paul Weekly (original lessor)	Equitable Gas Company		DB 195/369
	Equitable Gas Company	Equitrans,Inc.		DB 274/471
	Equitrans, Inc.	Equitrans, LP		DB433/777
	Equitrans, Inc.	Equitable Production Company		DB 396/640
126217	Blackrock Enterprises LLC, et al (current royalty owner)		Min 1/8 pd	
	Richard E. Moore, et al. (original lessor)	Equitable Gas Company		DB 198/405
	Equitable Gas Company	Equitrans,Inc.		DB 274/471
	Equitrans, Inc.	Equitrans, LP		DB433/777
	Equitrans, LP	EQT Production Company		DB 396/640
126207	Beatrice Brady, et al (current royalty owner)		Min 1/8 pd	
	Paul Weekly (original lessor)	Equitable Gas Company		DB 197/544
	Equitable Gas Company	Equitrans, Inc.		DB 274/471
	Equitrans, Inc.	Equitrans, LP		DB433/777
	Equitrans, LP	Equitable Production Company		DB 396/640

#### 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 PECEIVED limited to the following: Office of Oil and Gas

- 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

JAN 1 5 2016

WV Department of

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

Well	Operator:
------	-----------

EOT Production Company

By:

Its:

Permitting Supervisor

Page 1 of 1



January 13, 2016

4709502343

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

Re: WEU4 well pad, well number 512894 Centerville District, Tyler County

Dear Mr. Martin,

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

Sincerely,

Vicki Roark

Permitting Supervisor-WV

RECEIVED
Office of Oil and Gas

JAN 1 5 2016

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

Viell Pad Name:  Viesuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed relow for the tract of land as follows:  Vietname to the tract of land as follows:  Vitate:  V	Date of No	tice Certification:	AI	PI No. 47 - 095	- 0
ursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed elow for the tract of land as follows:    tate:		S. S		perator's Well No.	512894
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#### Required Attachments:

WV Department of

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

WW-6AC (1/12)

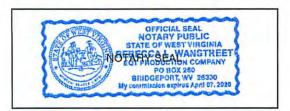
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 Well Operator:
 EQT Production Company
 Address:
 P.O. Box 280

 By:
 Victoria J. Roark
 Bridgeport, WV 26330

 Its:
 Permitting Supervisor
 Facsimile:
 304-848-0040

 Telephone:
 304-848-0076
 Email:
 vroark@eqt.com



Subscribed and sworn before me this 13 day of January 2016

Reliced J. Warnstreet Notary Public

My Commission Expires 4-7-20

#### 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.

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RECEIVED
Office of Oil and Gas

JAN 1 5 2016

MAY Department of 04/15/2016

WW-6A (9-13)

API NO. <u>47</u>	095	 (
OPERATOR WELL NO.		 512894
Wall Pad Name		 WELL

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

Notice Time Requirement: notice shall be provided no later than the filing date of Notice:  Date of Notice:  Date Permit Application File	1
Notice of:	
PERMIT FOR ANY  WELL WORK  CONSTRUCTION OF AN II  Delivery method pursuant to West Virginia Code § 22-6A-10(b)	
	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 appliphant 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 pilessee, in the event the tract of land on which the well propose record of the surface tract or tracts overlying the oil and gas lead construction, enlargement, alteration, repair, removal or abandwater purveyor who is known to the applicant to have a water which is used to provide water for consumption by humans or work 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 unless the lien holder is the landowner. W. Va. Code R. § 35-8	g date of the application, the applicant for a permit for any well work or for a nis article shall deliver, by personal service or by registered mail or by any ication, the erosion and sediment control plan required by section seven of lof the surface of the tract on which the well is or is proposed to be located; sing developed by the proposed well work, if the surface tract is to be used lan submitted pursuant to subsection (c), section seven of this article; (3) The d to be drilled is located [sic] is known to be underlain by one or more coal asehold being developed by the proposed well work, if the surface tract is to onment of any impoundment or pit as described in section nine of this well, spring or water supply source located within one thousand five domestic animals; and (6) The operator of any natural gas storage field in common or other co-owners of interests described in subsection (b) of pon the person described in the records of the sheriff required to be any provision of this article to the contrary, notice to a lien holder is not 8-5.7.a requires, in part, that the operator shall also provide the Well Site bject to notice and water testing as provided in section 15 of this rule.
✓ Application Notice ✓ WSSP Notice ✓ E&S Plan Notice	Well Plat Notice is hereby provided to:
SURFACE OWNER(s)  Name: See Attached  Address:	COAL OWNER OR LESSEE  Name: Address:  See Attached
	4709502343
Name: Address:	COAL OPERATOR Name: Address:
SURFACE OWNERS(s) (Road and/or Other Disturbance) Name: See Attached Address: Name: Address:	SURFACE OWNER OF WATER FREE VED  AND/OR WATER PURVEYOR(s)  Name:  Address:  See Attached
SURFACE OWNER(s) (Impoundments/Pits)  Name: See Attached  Address:	OPERATOR OF ANY NATURAL OF STORAGE FIELD  Name: Address:
	*Please attach additional forms if necessary

WW-6A (8-13) API NO. 47 - 095 - 0

OPERATOR WELL NO. 512894

Well Pad Name: WEU4

#### Notice is hereby given:

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

#### This Notice Shall Include:

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

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

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

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

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

#### **Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artifical alake podd on referred in a feet with a feet measured horizontally from any perennial stream, natural or artifical alake podd on referred in a feet measured horizontally from any perennial stream, natural or artifical alake podd on referred in a feet measured horizontally from any perennial stream, natural or artifical alake podd on referred in a feet measured horizontally from any perennial stream, natural or artifical alake podd on referred in a feet measured horizontally from any perennial stream, natural or artifical alake podd on referred in a feet measured horizontally from any perennial stream, natural or artifical alake podd on referred in a feet measured horizontally from any perennial stream, natural or artifical alake podd on the feet measured horizontally from any perennial stream, natural or artifical alake podd on the feet measured horizontal alake podd on the feet measured hor 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 enring 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, i Quince, 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 of Alberta approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

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

#### Water Well Testing:

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

#### Water Testing Laboratories:

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

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

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

RECEIVED

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

#### **Time Limits and Methods for Filing Comments.**

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

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

#### **Comment Requirements**

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

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

#### Permit Denial or Condition

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

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

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial polation of the rules promulgated under this article, and in each instance has failed to abate or seek taying 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.

#### Notice is hereby given by:

Well Operator:	<b>EQT Production Company</b>	Address:	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 immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

By: Victoria Roark

Its: Permitting Supervisor

Subscribed and sworn before n 3 day of Lanuary, 2016
Roulcla A. Wanstriet Notary Public

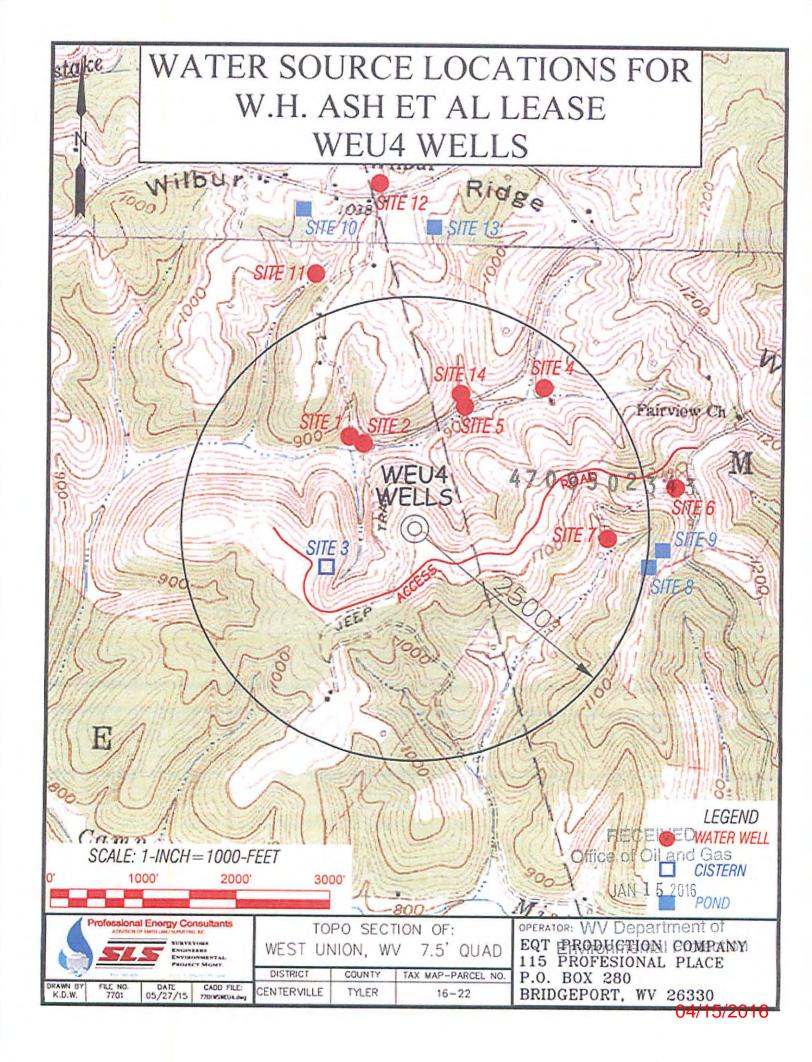
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Office of Oil and Gas

JAN 1 5 2016

WV Department of
Environmental Protection



#### WW6-A

#### **Surface Owners:**

Donna J Peter 733 Ridge Rd Wilbur WV 26320

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Office of Oil and Gas

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WV Department of Environmental Protection

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

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

Notice Time Requiremen Date of Notice:	12/10/2015	Date Permit Appl		12/20/15		
Delivery method pursuar	nt to West Virginia Code	e § 22-6A-16(b)				
HAND DELIVERY	CERTIFIE RECEIPT	ED MAIL RETUR REQUESTED	RN			
Pursuant to W. Va. Code receipt requested or hand drilling a horizontal well: of this subsection as of the subsection may be waive and if available, facsimile	d delivery, give the surfa Provided, That notice give date the notice was pid d in writing by the surfact	ice owner notice of i ven pursuant to sub rovided to the surfa ce owner. The notice	its intent to enter up section (a), section t ce owner: Provided, e, if required, shall ir	oon the surface owner en of this article satisf however, That the no nclude the name, addr	's land for the purpose ies the requirements tice requirements of th ess, telephone number	nis
Notice is hereby provide	d to the SURFACE OWN	ER(s):				
Name:		Donna J Peter	Name:	L. Bruce and Sandra		
					R.D. 1 Box BB	
Address:		733 Ridge Rd	Address:		TI.D. T BOX BB	
Address:  Notice is hereby given: Pursuant to West Virginia		Wilbur WV 26320	that the undersigne		Elkins WV 26241	
Notice is hereby given: Pursuant to West Virginia the surface owner's land State:		Wilbur WV 26320  otice is hereby givening a horizontal well of the	that the undersigne	as follows:	Elkins WV 26241	515,455.05 4,357,462.98
Notice is hereby given: Pursuant to West Virginia the surface owner's land State: County:	for the purpose of drillir	wilbur WV 26320  otice is hereby given ng a horizontal well of  WV  Tyler	that the undersigne on the tract of land a UTM NAD 83	as follows:	Elkins WV 26241	515,455.05 4,357,462.98 WV-18
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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 04/15/2016 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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

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

Notice Time Requirer Date of Notice:	12/10/2015 Date Permit App		12/20/15	
pate of Notice.				
Delivery method pur	suant to West Virginia Code § 22-6A-16(b)			
_ HAND DELIVERY	CERTIFIED MAIL RETURN RECEIPT REQUESTED			
receipt requested or I drilling a horizontal w of this subsection as o subsection may be wa	ode § 22-6A-16(b), at least ten days prior to filing hand delivery, give the surface owner notice of it well: Provided, That notice given pursuant to sub of the date the notice was provided to the surfact alved in writing by the surface owner. The notice mail address of the original process of the original delicess of the original delices.	its intent to enter upon the section (a), section ten of t ce owner: Provided, howe e, if required, shall include	e surface owner's land for the this article satisfies the requi ver, That the notice requiren the name, address, telephor	e purpose of rements nents of this ne number,
• •	vided to the SURFACE OWNER(s):			
Name:	James B and Brenda J Stoneking	Name:	Diane L Morgan an	
Address:	2 Deerhaven Drive	Address:	59	O Isner Creek Road
	Wheeling WV 26241			Elkins WV 26241
	ginia Code § 22-6A-16(b), notice is hereby given			ter upon
Pursuant to West Virg	ginia Code § 22-6A-16(b), notice is hereby given and for the purpose of drilling a horizontal well with the work w	on the tract of land as follo		515,455.05
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Pursuant to West Virg the surface owner's la  State: County: District: Quadrangle: Watershed: Trib  This Notice Shall Incle Pursuant to West Virg facsimile number and related to horizontal located at 601 57th S  Notice is hereby give	ginia Code § 22-6A-16(b), notice is hereby given and for the purpose of drilling a horizontal well of the purpose of the purpose of the operator and the drilling may be obtained from the Secretary, at the street, SE, Charleston, WV 25304 (304-926-0450) on by:  EQT Production Company 115 Professional Place, P.O Box 280	UTM NAD 83  Public R  Generally used  le the name, address, telepe operator's authorized repetite WV Department of Entity or by visiting www.dep.w	Easting Northing Toad Access: farm name: Thone number, and if availaberesentative. Additional informity of the complete of the	515,455.05 4,357,462.98 WV-18 Donna J. Peter  le, mation juarters, ault.aspx  Victoria Roal
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Pursuant to West Virg the surface owner's la  State: County: District: Quadrangle: Watershed: Trib  This Notice Shall Incle Pursuant to West Virg facsimile number and related to horizontal located at 601 57th S  Notice is hereby give Well Operator: Address: Telephone:	ginia Code § 22-6A-16(b), notice is hereby given and for the purpose of drilling a horizontal well of the purpose of the purpose of the purpose of the operator and the drilling may be obtained from the Secretary, at the purpose of	UTM NAD 83  Public R Generally used  le the name, address, telepte operator's authorized repth of Environment o	Easting Northing Road Access: farm name:  Shone number, and if availaberesentative. Additional informity of the complete of th	S15,455.05 4,357,462.98 WV-18 Donna J. Peter  le, mation juarters, ault.aspx  Victoria Roa ofessional Place, P.O Box 28 Bridgeport, WV 2633
Pursuant to West Virg the surface owner's la  State: County: District: Quadrangle: Watershed: Trib  This Notice Shall Incla Pursuant to West Virg facsimile number and related to horizontal located at 601 57th S  Notice is hereby give Well Operator: Address: Telephone: Email:	ginia Code § 22-6A-16(b), notice is hereby given and for the purpose of drilling a horizontal well of the purpose of the purpose of the purpose of the operator and the drilling may be obtained from the Secretary, at the purpose of	UTM NAD 83  Public R Generally used  le the name, address, telepe e operator's authorized repthe WV Department of Ent) or by visiting www.dep.w  Authorized Representative Address:  Telephone: Email:	Easting Northing Road Access: farm name:  Shone number, and if availabe presentative. Additional informity of the complete of	S15,455.05 4,357,462.98 WV-18 Donna J. Peter  le, mation fuarters, ault.aspx  Victoria Roa fessional Place, P.O Box 28 Bridgeport, WV 263 304-848-007
Pursuant to West Virg the surface owner's la  State: County: District: Quadrangle: Watershed: Trib  This Notice Shall Incle Pursuant to West Virg facsimile number and related to horizontal located at 601 57th S  Notice is hereby give Well Operator: Address: Telephone:	ginia Code § 22-6A-16(b), notice is hereby given and for the purpose of drilling a horizontal well of the purpose of the purpose of the purpose of the operator and the drilling may be obtained from the Secretary, at the purpose of	UTM NAD 83  Public R Generally used  le the name, address, telepte operator's authorized repth of Environment o	Easting Northing Road Access: farm name:  Shone number, and if availabe presentative. Additional informity of the complete of	S15,455.05 4,357,462.98 WV-18 Donna J. Peter  le, mation Juarters, ault.aspx  Victoria Road ofessional Place, P.O Box 28 Bridgeport, WV 2633 304-848-007 304-848-007

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 of as to needed to comply with statutory or regulatory requirements, including Freedom of Information Act appropriately secure your personal information. If you have any questions about our use or your personal information, please contact 04/15/2016 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-60-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Date of Notice:	equirement: Notice shall be provided at least TEN (10)  12/10/2015 Date Permit App		12/20/15
Delivery metho	od pursuant to West Virginia Code § 22-6A-16(b)		
HAND DELIVER	CERTIFIED MAIL RETURN RECEIPT REQUESTED		
receipt request drilling a horizc of this subsecti subsection may	Va. Code § 22-6A-16(b), at least ten days prior to filing ted or hand delivery, give the surface owner notice of contal well: Provided, That notice given pursuant to suffice as of the date the notice was provided to the surface was provided to the surface owner. The notice was provided in writing by the surface owner. The notice was provided to the surface owner.	its intent to enter upon the surfa bsection (a), section ten of this ar ace owner: Provided, however, Ti ce, if required, shall include the n	ace owner's land for the purpose of ticle satisfies the requirements hat the notice requirements of this ame, address, telephone number,
	by provided to the SURFACE OWNER(s):		
Notice is hereb	• •	/ •1	
Notice is hereb Name:	Richard and Yvonne Metcalf	Name:	· · · · · · · · · · · · · · · · · · ·
		Address:	
Name: Address:  Notice is hereb	Richard and Yvonne Metcalf  128 Village Drive  Bridgeport WV 26330  by given: est Virginia Code § 22-6A-16(b), notice is hereby given	Address:   that the undersigned well opera	ator has an intent to enter upon
Name: Address:  Notice is hereby Pursuant to We the surface ow	Richard and Yvonne Metcalf  128 Village Drive  Bridgeport WV 26330  by given:	Address:  That the undersigned well operation the tract of land as follows:  UTM NAD 83	esting 515,455.05 trining 4,357,462.98
Name: Address:  Notice is hereb Pursuant to We the surface own State: County:	Richard and Yvonne Metcalf  128 Village Drive  Bridgeport WV 26330  by given: est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV	Address:  That the undersigned well operation the tract of land as follows:  UTM NAD 83	asting 515,455.05 rthing 4,357,462.98
Name: Address:  Notice is hereb Pursuant to We the surface ow  State: County: District:	Richard and Yvonne Metcalf  128 Village Drive  Bridgeport WV 26330  by given: est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV  Tyler	Address:  n that the undersigned well operation the tract of land as follows:  UTM NAD 83  Not	asting 515,455.05 rthing 4,357,462.98 ccess: WV-18
Name: Address:  Notice is hereb	Richard and Yvonne Metcalf  128 Village Drive  Bridgeport WV 26330  by given: est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV  Tyler  Centerville	Address:  That the undersigned well operation the tract of land as follows:  UTM NAD 83  Note that the undersigned well operation the tract of land as follows:	asting 515,455.05 rthing 4,357,462.98 ccess: WV-18
Name: Address:  Notice Is hereb Pursuant to We the surface ow  State: County: District: Quadrangle: Watershed: This Notice Sha Pursuant to We facsimile numb related to horiz	Richard and Yvonne Metcalf  128 Village Drive Bridgeport WV 26330  by given: est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV Tyler Centerville West Union 7.5' Tributary of Camp Mistake Run	Address:  That the undersigned well operation the tract of land as follows:  UTM NAD 83  Nor  Public Road Ar  Generally used farm recovered the name, address, telephone are operator's authorized expresent the WV Department of Environment.	asting 515,455.05 rthing 4,357,462.98 ccess: WV-18 name: Donna J. Peter name: and if available, statice. Additional information mental Protection headquarters,
Name: Address:  Notice is hereb Pursuant to We the surface ow  State: County: District: Quadrangle: Watershed: This Notice Sha Pursuant to We facsimile numb related to horiz	Richard and Yvonne Metcalf  128 Village Drive  Bridgeport WV 26330  Dy given:  est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV  Tyler  Centerville  West Union 7.5'  Tributary of Camp Mistake Run  all Include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 25-6A-16(b), this notice shall include:	Address:  That the undersigned well operation the tract of land as follows:  UTM NAD 83  Nor  Public Road Ar  Generally used farm recovered the name, address, telephone are operator's authorized expresent the WV Department of Environment.	asting 515,455.05 rthing 4,357,462.98 ccess: WV-18 name: Donna J. Peter name: and if available, statice. Additional information mental Protection headquarters,
Name: Address:  Notice is hereb Pursuant to We the surface ow  State: County: District: Quadrangle: Watershed:  This Notice Sha Pursuant to We facsimile numb related to horiz located at 601	Richard and Yvonne Metcalf  128 Village Drive  Bridgeport WV 26330  Dy given:  est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV  Tyler  Centerville  West Union 7.5'  Tributary of Camp Mistake Run  all Include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 25-6A-16(b), this notice shall include: est Virginia Code § 25-6A-16(b), this notice shall include: est Virginia Code § 25-6A-16(b), this notice shall include: est Virginia Code § 25-6A-16(b), this notice shall include: est Virginia Code § 26-6A-16(b), this notice shall include: est Virginia Code § 27-6A-16(b), this notice shall include:	Address:  That the undersigned well operation the tract of land as follows:  UTM NAD 83  Nor  Public Road Ar  Generally used farm recovered the name, address, telephone are operator's authorized expresent the WV Department of Environment.	asting 515,455.05 rthing 4,357,462.98 ccess: WV-18 Donna J. Peter
Name: Address:  Notice is hereb Pursuant to We the surface ow  State: County: District: Quadrangle: Watershed:  This Notice Sha Pursuant to We facsimile numb related to horia located at 601  Notice is hereb Well Operator:	Richard and Yvonne Metcalf  128 Village Drive Bridgeport WV 26330  Dy given:  est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV  Tyler  Centerville  West Union 7.5'  Tributary of Camp Mistake Run  all Include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(	Address:  That the undersigned well operation the tract of land as follows:  UTM NAD 83  Not  Public Road At  Generally used farm red  de the name, address, telephone are operator's authorized representations of the WV Department of Environmentation of the work of the w	asting 515,455.05 rthing 4,357,462.98 ccess: WV-18 Donna J. Peter
Name: Address:  Notice is hereb Pursuant to We the surface ow  State: County: District: Quadrangle: Watershed:  This Notice Sha Pursuant to We facsimile numb related to horiz located at 601  Notice is hereb Well Operator: Address:	Richard and Yvonne Metcalf  128 Village Drive Bridgeport WV 26330  Dy given:  est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV Tyler Centerville West Union 7.5' Tributary of Camp Mistake Run  all Include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Gode § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(b),	Address:  In that the undersigned well operation the tract of land as follows:  UTM NAD 83  Non  Public Road Address, telephone the operator's authorized expresses the WV Department of Environm (b) or by visiting www.dep.wv.gov,  Authorized Representative:  Address:	asting 515,455.05 rthing 4,357,462.98 ccess: WV-18 name: Donna J. Peter
Name: Address:  Notice is hereb Pursuant to We the surface ow  State: County: District: Quadrangle: Watershed:  This Notice Sha Pursuant to We facsimile numb related to horiz located at 601	Richard and Yvonne Metcalf  128 Village Drive Bridgeport WV 26330  Dy given:  est Virginia Code § 22-6A-16(b), notice is hereby giver ner's land for the purpose of drilling a horizontal well  WV  Tyler  Centerville  West Union 7.5'  Tributary of Camp Mistake Run  all Include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(	Address:  In that the undersigned well operation the tract of land as follows:  UTM NAD 83  Nor  Public Road Address, telephone, the operator's authorized epiceers the WV Department of Environm (b) or by visiting www.dep.wv.gov, Authorized Representative:	asting 515,455.05 rthing 4,357,462.98 ccess: WV-18 Donna J. Peter

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 are timent of needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests Townstead Protection 16 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.

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

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-

Date of Notice:	irement: Notice shall be provided at least  1/14/2016 Date Pe	ermit Application Filed:	1/24/16	5
Delivery method	pursuant to West Virginia Code § 22-6A-1	l6(b)		
HAND DELIVERY	CERTIFIED MAIL RETURECEIPT REQUESTED	JRN )		
drilling a horizonta of this subsection subsection may be	. Code § 22-6A-16(b), at least ten days pri or hand delivery, give the surface owner in al well: Provided, That notice given pursual as of the date the notice was provided to be waived in writing by the surface owner. The cosimile number and electronic mail address	notice of its intent to enter upo int to subsection (a), section te the surface owner: Provided, h The notice, if required, shall inc	on the surface owner in of this article satist towever, That the no clude the name, addr	's land for the purpose of fies the requirements titce requirements of this ress. telephone number
Notice is hereby p	rovided to the SURFACE OWNER(s):			
Name:	Richard and Yvonne N	Metcalf Name:		
Address:	415 Wildlif	e Lane Address:		<del></del>
Notice is hereby gi Pursuant to West \ the surface owner'	Bridgeport WV iven: /irginia Code § 22-6A-16(b), notice is here	by given that the undersigned y	well operator has an	intent to enter upon
Pursuant to West \	Bridgeport WV iven: /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon WV	by given that the undersigned votal well on the tract of land as	follows:  Easting	515,455.05
Pursuant to West \ the surface owner'  State:	Bridgeport WV iven: /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon WV Tyler	by given that the undersigned value well on the tract of land as UTM NAD 83	follows:  Easting  Northing	515,455.05 4,357,462.98
Pursuant to West \ the surface owner'  State:  County:	Bridgeport WV iven: /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon WV Tyler Centerville	by given that the undersigned votal well on the tract of land as UTM NAD 83	follows:  Easting  Northing  Dic Road Access:	515,455.05 4,357,462.98 WV-18
Pursuant to West \ the surface owner'  State:  County:  District:  Quadrangle:	Bridgeport WV iven: /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon WV Tyler	by given that the undersigned votal well on the tract of land as UTM NAD 83	follows:  Easting  Northing	515,455.05 4,357,462.98
Pursuant to West \ the surface owner'  State: County: District: Quadrangle: Watershed: Tr  This Notice Shall In Pursuant to West V facsimile number a related to horizont;	Bridgeport WV  iven:  /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon  WV  Tyler  Centerville  West Union 7.5'  ributary of Camp Mistake Run  sclude:  irginia Code § 22-6A-16(b), this notice shand electronic mail address of the operator all drilling may be obtained from the Serre	by given that the undersigned of the state well on the tract of land as the land well on the tract of land as the land well on the tract of land as the land well on the tract of land as the land well on the understand well include the name, address, to the land the operator's authorized that at the land land well as the land we	Easting Northing Dic Road Access: Used farm name: elephone number, a	515,455.05 4,357,462.98 WV-18 Donna J. Peter  Ind if available, ditional information
Pursuant to West \ the surface owner'  State: County: District: Quadrangle: Watershed: Tr  This Notice Shall In Pursuant to West V facsimile number a related to horizont;	Bridgeport WV  iven:  /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon  WV  Tyler  Centerville  West Union 7.5'  ributary of Camp Mistake Run  clude:  lirginia Code § 22-6A-16(b), this notice sha nd electronic mail address of the operator al drilling may be obtained from the Secre  Street, SE, Charleston, WV 25304 (304-92)	by given that the undersigned of the state well on the tract of land as the land well on the tract of land as the land well on the tract of land as the land well on the tract of land as the land well on the understand well include the name, address, to the land the operator's authorized that at the land land well as the land we	Easting Northing Dic Road Access: Used farm name: elephone number, a	515,455.05 4,357,462.98 WV-18 Donna J. Peter  Ind if available, ditional information
Pursuant to West \ the surface owner'  State: County: District: Quadrangle: Watershed: Tr  This Notice Shall In Pursuant to West V facsimile number a related to horizonta ocated at 601 57th	Bridgeport WV  iven:  /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon  WV  Tyler  Centerville  West Union 7.5'  ributary of Camp Mistake Run  clude:  lirginia Code § 22-6A-16(b), this notice sha nd electronic mail address of the operator al drilling may be obtained from the Secre  Street, SE, Charleston, WV 25304 (304-92)	by given that the undersigned what well on the tract of land as the land well on the tract of land as the land well on the tract of land as the land well on the tract of land as the land well on the tract of land as the land well on the land we	Easting Northing Dic Road Access: Used farm name: Elephone number, a I representative. Add Environmental Prote	515,455.05 4,357,462.98 WV-18 Donna J. Peter  Ind if available, ditional information ection headquarters, spages/default.aspx
Pursuant to West \ the surface owner'  State: County: District: Quadrangle: Watershed: This Notice Shall In Pursuant to West V facsimile number a related to horizonta ocated at 601 57th	Bridgeport WV  iven:  /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon  WV  Tyler  Centerville  West Union 7.5'  ributary of Camp Mistake Run  iclude:  irginia Code § 22-6A-16(b), this notice shand electronic mail address of the operator al drilling may be obtained from the Secre  Street, SE, Charleston, WV 25304 (304-92)  ven by:	by given that the undersigned wattal well on the tract of land as the UTM NAD 83  Pub Generally understand the operator's authorized tary, at the WV Department of 26-0450) or by visiting www.department of 28-0450 Authorized Representations.	Easting Northing Dic Road Access: Used farm name: Elephone number, a I representative. Add Environmental Prote	515,455.05 4,357,462.98 WV-18 Donna J. Peter  Ind if available, ditional information ection headquarters, spages/default.aspx Victoria Roa
Pursuant to West \ the surface owner'  State: County: District: Quadrangle: Watershed: Pursuant to West \ Facsimile number a related to horizonta ocated at 601 57th  Notice is hereby given and the state of the state of the state ocated at	Bridgeport WV  iven:  //irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon  WV  Tyler  Centerville  West Union 7.5'  ributary of Camp Mistake Run  cclude:  irginia Code § 22-6A-16(b), this notice shand electronic mail address of the operator al drilling may be obtained from the Secre  Street, SE, Charleston, WV 25304 (304-92)  ven by:  EQT Production Comp	by given that the undersigned value will on the tract of land as UTM NAD 83  Pub Generally used include the name, address, to and the operator's authorized tary, at the WV Department of 26-0450) or by visiting www.de	Easting Northing Dic Road Access: Used farm name: Elephone number, a I representative. Add Environmental Prote	515,455.05 4,357,462.98 WV-18 Donna J. Peter  Ind if available, ditional information ection headquarters, spages/default.aspx Victoria Roa 115 Professional Place, P.O Box 2
Pursuant to West \ the surface owner'  State: County: District: Quadrangle: Watershed: Tris Notice Shall In Pursuant to West \ Facsimile number a related to horizonta ocated at 601 57th  Notice is hereby giv  Vell Operator: Address:	Bridgeport WV  iven:  /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon  WV  Tyler  Centerville  West Union 7.5'  ributary of Camp Mistake Run  clude:  irginia Code § 22-6A-16(b), this notice shand electronic mail address of the operator of drilling may be obtained from the Secre Street, SE, Charleston, WV 25304 (304-92)  ven by:  EQT Production Comp  115 Professional Place, P.O Box  Bridgeport, WV 26  304-848-6	by given that the undersigned wattal well on the tract of land as a UTM NAD 83  Pub Generally used the operator's authorized tary, at the WV Department of 26-0450) or by visiting www.department of 280 Address:  280 Address:  330  0076 Telephone:	Easting Northing Dic Road Access: Used farm name: Elephone number, a I representative. Add Environmental Prote	515,455.05 4,357,462.98 WV-18 Donna J. Peter  Ind if available, ditional information ection headquarters, spages/default.aspx  Victoria Ros 115 Professional Place, P.O Box 2 Bridgeport, WV 263
Pursuant to West \ the surface owner'  State: County: District: Quadrangle: Watershed: Pursuant to West \ Facsimile number a related to horizonta ocated at 601 57th  Notice is hereby given and the state of the state of the state ocated at	Bridgeport WV  iven:  /irginia Code § 22-6A-16(b), notice is here s land for the purpose of drilling a horizon  WV  Tyler  Centerville  West Union 7.5'  ributary of Camp Mistake Run  clude:  lirginia Code § 22-6A-16(b), this notice shand electronic mail address of the operator all drilling may be obtained from the Secre  Street, SE, Charleston, WV 25304 (304-92)  ven by:  EQT Production Comp  115 Professional Place, P.O Box  Bridgeport, WV 26	by given that the undersigned of the stal well on the tract of land as a stal well on the tract of land as a stal well on the tract of land as a stal well on the tract of land as a stal well on the tract of land as a stal well on the tract of land as a stal well on the tract of land as a stal well on the tract of land as a stal well on the stal well on the tract of land as a stal well of	Easting Northing Dic Road Access: Used farm name: elephone number, a I representative. Add Environmental Prote p.wv.gov/pil-and-gas	515,455.05 4,357,462.98 WV-18 Donna J. Peter  Ind if available, ditional information ection headquarters, spages/default.aspx Victoria Roa 115 Professional Place, P.O Box 2

#### O

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 and sinks partiment of needed to comply with statutory or regulatory requirements, including Freedom of Information Act request Environmental Protection appropriately secure your personal information. If you have any questions about our use or your personal information, please contact 4/15/2016 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A5
(1/12)

Operator Well No.

512894

#### STATE OF WEST VIRGINIA

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

Notice Time Date of Noti	Requirement: notice shall be provided no late ce:	er than the filing ate Permit App		ation. 1-14-110
Delivery met	hod pursuant to West Virginia Code § 22-6A-		_	
☑ CER	TIFIED MAIL			
the planned of required to be drilling of a ho damages to th	. Va. Code § 22-6A-16(c), no later than the date for requested or hand delivery, give the surface owner peration. The notice required by this subsection shap provided by subsection (b), section ten of this articular rizontal well; and (3) A proposed surface use and contain the surface affected by oil and gas operations to the contain the surface of this section shall be given to the surface arequired by this section shall be given to the surface.	r whose land will all include: (1) A call include: (1) A call land a surface or compensation agreement the damage	be used for the drilling o copy of this code section; wner whose land will be t eement containing an off tes are compensable und	f a horizontal well notice of (2) The information used in conjunction with the er of compensation for er article six-b of this chapter
Notice is here!	py provided to the SURFACE OWNER(s)			
	listed in the records of the sheriff at the time of no	otice):		
Name:	See Att		:	See Attached
Address:		Addre		See Attached
operation on th State: County: District: Quadrangle: Watershed:	est Virginia Code § 22-6A-16(c), notice is hereby given a surface owner's land for the purpose of drilling a WV  Tyler  Centerville  West Union 7.5'  Tributary of Camp Mistake Run	horizontal well of UTM NAD 83 Public Road Acc Generally used	on the tract of land as foll Easting: Northing:	ows:  515,455.050000  4,357,462.980000  WV-18  Donna J. Peter
	The acting of earny Mistake Run			
to be provided horizontal well; surface affected information rela	st Virginia Code § 22-6A-16(c), this notice shall incl by W. Va. Code § 22-6A-10(b) to a surface owner v and (3) A proposed surface use and compensation by oil and gas operations to the extent the damage ated to horizontal drilling may be obtained from the pocated at 601 57th Street, SE, Charleston, WV 2530	whose land will be agreement cont les are compensa e Secretary, at th	e used in conjunction with aining an offer of comper ble under article six-b of e WV Department of Eny	the drilling of a nsation for damages to the this chapted Additional ironmental Protection
Well Operator:	EQT Production Company	Address:	115 Professional Place,	D.O. Pay 390
Telephone:	304-848-0082	Bridgeport,		F.O. DOX 280
mail:	vroark@eqt.com	Facsimile:	304-848-0040	
Oil and Gas Priv	racy Notice: and Gas processes your personal information, suc	h as name, addre	ss and telephone numbers	RECEIVED

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.

#### WW6-A

#### **Surface Owners:**

Donna J Peter 733 Ridge Rd Wilbur WV 26320

4709502343

RECEIVED
Office of Oil and Gas

JAN 1 5 2016



#### 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

Revised September 4, 2015

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

4709502343

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

512890 WEU4H1	512891 WEU4H2	512892 WEU4H3
512893 WEU4H4	512894 WEU4H5	512895 WEU4H6
516534 WEU4H7	516535 WEU4H8	516536 WEU4H9
516537 WEU4H10	516538 WEU4H11*	516539 WEU4H12
516540 WEU4H13	516600 WEU4H14	516601 WEU4H15

Dear Mr. Martin.

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

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton P.E.

Day K. Clayton

Regional Maintenance Engineer

Central Office Oil & Gas Coordinator

Office of Oil and Gas

JAN 1 5 2016

WV Department of Environmental Protection

File

Nick Bumgardner

CH, OM, D-6

**EQT Production Company** 

Cc:

## Anticipated Frac Additives Chemical Names and CAS numbers

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

4709502343

RECEIVED
Office of Oil and Gas

JAN 1 5 2016

#### PROJECT INFORMATION

PROJECT NAME: WEU4

TAX PARCEL:
MCELROY AND CENTERVILLE DISTRICTS
TYLER COUNTY, WV
TAX MAP 16 PARCEL 22

SURFACE OWNER: DONNA J. PETER TOTAL PROPERTY AREA: 113.4± ACRES TAX MAP 16 PARCEL 22

RICHARD & YVONNE METCALF TOTAL PROPERTY AREA: 61.57± ACRES TM 16-17

OIL AND GAS ROYALTY OWNER:
WACO OIL & GAS CO. INC. ET AL
WEST UNION DISTRICT
DODDRIDGE COUNTY, WY
TOTAL PROPERTY AREA: 152 ± ACRES

L.B. & SANDRA STONEKING TOTAL PROPERTY AREA: 69.44± ACRES TAX MAP 21 PARCEL 28

GRID

## WEU4 S EQT PRODUC

SITUATE ON THE WATERS MCELROY AND CEI TYLER COUNT

#### LOCATION COORDINATES

WEU4 SITE ENTRANCE LATITUDE: 39.369229 LONGITUDE: -80.810071 (NAD 83 NORTH)

LOCATION:
THE WEU4 WELL SITE IS SITUATE ON THE WATERS OF CAMP MISTAKE RUN
APPROXIMATELY 0.58 MILES WEST OF COUNTY ROUTE 59.
THE ENTRANCE IS LOCATED APPROXIMATELY 0.30 MILES SOUTHWEST FROM
THE INTERSECTION OF COUNTY ROUTE 62 AND COUNTY ROUTE 58.

WEU4 RIG FOOTPRINT LATITUDE: 39.366719 LONGITUDE: -80.820708 (NAD 83 NORTH)

WEU4 PUMP PAD LATITUDE: 39.365689 LONGITUDE: -80.820669 (NAD 83 NORTH)

WEU4 FLOWBACK PIT LATITUDE: 39.365318 LONGITUDE: -80.621116 (NAD 83 NORTH)

WEU4 TRUCK PAD

LATITUDE: 39.364962 LONGITUDE: -80.821587 (NAD 83 NORTH)

WEU4 COMPLETION PIT MANIFOLD PAD LATITUDE: 39.365408 LONGITUDE: -80.824945 (NAD 83 NORTH)

WEU4 COMPLETION PIT LATITUDE: 39:365884 LONGITUDE: -80.825816 (NAD 83 NORTH)

#### SITE DISTURBANCE COMPUTATIONS

ACCESS ROAD NO. 1 & NO. 2 =  $6.01\pm$  ACRES STOCKPILE SITES  $1-6=4.28\pm$  ACRES RIG FOOTPRINT = 3.25 ACRES MANIFOLD PAD & FLOWBACK PIT =  $2.31\pm$  ACRES COMPLETION PIT =  $3.33\pm$  ACRES COMPLETION PIT = 3.33± ACRES TOTAL SITE DISTURBANCE = 19.18± ACRES

ENTRANCE PERMIT
EQT PRODUCTION COMPANY WILL OBTAIN AN ENTRANCE PERMIT (FORM MM-108) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION

MISS UTILITY STATEMENT
MISS UTILITY OF WEST VIRGINIA WAS NOTIFIED FOR THE LOCATING OF
UTILITIES PRIOR TO THIS PROJECT DESIGN; TICKET #1328178253.
IN ADDITION, MISS UTILITY WILL BE CONTACTED PRIOR TO START OF THE
PROJECT.

FLOODPLAIN NOTE
THE PROPOSED LIMITS OF DISTURBANCE FOR THIS PROJECT IS LOCATED IN
FEMA FLOOD ZONE X, PER THE FLOOD INSURANCE RATE MAP (FIRM) NUMBER
54095C0300C, DATED MAY 3, 2010.

#### ENVIRONMENTAL NOTES

A WETLAND DELINEATION WAS PERFORMED ON APRIL 25-26, 2013 BY POTESTA AND ASSOCIATES, INC. A WETLAND DELINEATION WAS PERFORMED ON APRIL 25-26, 2013 BY POTESTA AND ASSOCIATES, INC. TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE MOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS (USACE), AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WYDEP), THE MAY 29, 2013 REPORT PROJECT # 0101-11-147-15701 WAS PREPARED BY POTESTA AND ASSOCIATES, INC. SUMMARIZES THE RESULTS OF THE FIELD DELINEATION. THE REPORT DOES NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REQULATED BY THE USACE OR THE WYDEP. IT IS STRONGLY RECOMMENDED THAT THE AFOREMENTIONED AGENCIES BE CONSULTED IN AN EFFORT TO GAIN WRITTEN CONFIRMATION OF THE DELINEATION DESCRIBED BY THIS REPORT PRIOR TO ENCAGING CONSTRUCTION ON THE PROPERTY DESCRIBED HEREIN. THE DEVELOPER SHALL OBTAIN THE APPORPLATE PERMITS FROM THE FEDERAL AND/OR STATE REGULATORY AGENCIES PRIOR TO ANY PROPOSED IMPACTS TO WATERS OF THE U.S., INCLUDING WETLAND FILLS AND STREAM CROSSINGS.

#### HORIZONTAL & VERTICAL CONTROL

COORDINATES AND ELEVATIONS USED FOR ALL LAYOUTS AND DESIGNS WERE BASED UPON MAPPING FURNISHED BY SMITH 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!!



		WEU-4 NAD 83 WELL		
WELL	WV	WELL STATUS	API	LA
HI	512890	PROPOSED	47-095-02278	39.366
H2	512891	PROPOSED	47-095-02279	39.36
H3	512892	PROPOSED	47-095-02280	39.36
H4	512893	PROPOSED	47-095-02281	39.36
H5	512894	PROPOSED		39.36
H6	512895	PROPOSED		39.36
H7	516534	PROPOSED		39.36
HB	516535	PROPOSED		39.36
H9	516536	PROPOSED		39.36
HIC	516337	PROPOSED		39.36
HII	5/6538	PROPOSED		39.36
HI2	516539	PROPOSED		39.36
HI3	516540	PROPOSED		39.366
H14		PROPOSED		39.36
HI5		PROPOSED		39.36

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OF CAMP MISTAKE RUN IN TERVILLE DISTRICTS, SELECTION OF THE PROPERTY OF THE PR





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	LON	NORTHING	EASTING
3	80.820668	318399.40	1595133.70
4	80.820648	318385.40	1595139.09
6	80.820629	3/8371,40	1595144.48
8	80.820609	318357.41	1595149.88
0	80.820589	318343.41	1595155.27
2	80.820569	3(8329.4)	1595160.66
3	80.820549	318315.41	1595166.05
8	80.820827	318511.37	1595090.56
0	80.820807	318497.38	1595095.95
2	80.820787	318483.38	1595101.34
4	80.820767	318469.38	1595106.73
5	80.820747	318455.38	1595112.13
6	80.820629	318371.40	1595144.48
9	80.820708	318427.39	1595122.91
1	80.820688	318413.39	1595128.30

#### LIST OF DRAWINGS

1 - COVER SHEET

2 - NOTES

3 - OVERALL SHEET INDEX & VOLUMES

4 - EXISTING UTILITY PLAN

5-7 - ACCESS ROAD PLAN

9 - RIG FOOTPRINT DET

10-11 - FLOWBACK PIT NO. 1 SECTIONS

12-13 - FLOWBACK PIT NO. 2 SECTIONS

14 - TYPICAL SECTIONS

15 - ACCESS ROAD NO. 1 PROFILE

16-20 - ACCESS ROAD NO. 1 SECTIONS

21 - ACCESS ROAD NO. 1 SECTIONS & ACCESS ROAD NO. 2 PROFILE & SECTIONS

22 - ACCESS ROAD COORDINATE LAYOUT

23 - 24 TOPSOIL STORAGE AREAS PROFILES & SECTIONS

25 - SPOIL STORAGE AREA PROFILE & SECTIONS

26 - 29 - WEU4 RECLAMATION PLANS

30 - 33 - CONSTRUCTION DETAILS

# APPROVED WVDEP OOG

PROPERTY OWNER	DISTURBED AREA
L.B. & SANDRA STONEKING	0.42 AC.
RICHARD & YVONNE METCALF	2.25 AC.
DONNA J. PETER	20.08 AC.
TOTAL	22.75 AC.

#### ENGINEER

**OPERATOR** 

EQT PRODUCTION COMPANY OPERATOR ID: 306866 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 PHONE: (304) 348-3870 RK&K ENGINEERS 242 NORTH TORNADO WAY SUITE 1 KEYSER, WV 26726 PHONE: (304) 768-3370

#### SURVEYOR

SMITH LAND SURVEYING, INC. 12 VANHORN DRIVE P.O. BOX 150 GLENVILLE, WV 26351 PHONE: (304) 462-5634 RUMMEL, KLEPPER & KAHL, LLP 242 NORTH TORNADO WAY, SUITE 1 KEYSER, WEST VIRGINA 26726 T - 304 788.3577 WWM.fK.com







THIS DOCUMENT WAS PREPARED BY:
RK&K ENGINEERS
FOR: EQT PRODUCTION COMPANY

COVER SHEET

McELROY DISTRICT CENTERVILLE DISTRICT TYLER COUNTY, WV

DATE: 04/30/2015

SCALE: 1" = 2,000'

DESIGNED BY: HWH

FILE NO. JOB SHEET 1 OF 33

REV 04/5/25/20

