

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

July 23, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-9502257, 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.

James Martin

Chief

Operator's Well No: 514460

Farm Name: WELLS, VIVIAN J.

API Well Number: 47-9502257

Permit Type: Horizontal 6A Well

Date Issued: 07/23/2015

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. <u>Failure to adhere to the specified permit</u> conditions may result in enforcement action.

CONDITIONS

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

WW - 6B (4/15)

4709502257

API NO	47	095	62257
OPERATO	R WELL	514460	
Well Par	d Name	SHR60	

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

Well Operator: EQT Production	on Compa	ny		686	095	- 1	5	607
			Operato	or ID	County	Distri	ct	Quadrangle
2) Operator's Well Number:		5144	160		Well Pad Na	ame	8	SHR60
3) Farm Name/Surface Owner : _		Vivian J	Wells et al		Public Road	Access:		60/2
4) Elevation, current ground:	1,018.0		Elevation, prop	osed po	st-construction	on:	1,011.0	
5) Well Type: (a) Gas•	Oil		Undergroun	d Storag	je			
Other								
(b) If Gas:	Shallow		Deep					Mahal
H	Horizontal							Michael 7/14
6) Existing Pad? Yes or No:	no							
7) Proposed Target Formation(s), I	Depth(s), A		d Thicknesses at				rget pressu	re ol 2747 P
							rgel pressu	ore ol 2747 P
Target formation is Marcellus at a Top of Marcellus at 6612* 8) Proposed Total Vertical Depth:	depth of	0004 with	the anticipated thicks				rget pressu	ore of 2747 P
Target formation is Marcellus at a Top of Marcellus at 6612* 8) Proposed Total Vertical Depth:	depth of	0004 with	the anticipated thicks	ness to be	52 feet and a		rgel pressu	ore of 2747 P
Target formation is Marcellus at a Top of Marcellus at 6612* 8) Proposed Total Vertical Depth: 9) Formation at Total Vertical Dept 10) Proposed Total Measured Dep	depth of	0004 with	the anticipated thicks	ness to be	52 feet and a		rgel pressu	ere of 2747 P
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(4/15	5)	

470950 2102.577- 95 - 02257 OPERATOR WELL NO. 5144 SHR60 Well Pad Name: _____

CASING AND TUBING PROGRAM

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TYPE	Size	New	Grade	Weight per ft.	FOOTAGE: For	INTERVALS:	CEMENT:
	<u>(in)</u>	<u>or</u> Used		<u>(lb/ft)</u>	<u>Drilling (ft)</u>	<u>Left in Well</u> (ft)	Fill- up (Cu.Ft.)
Conductor	20	New	MC-50	81	60	60	58 C.T.S.
Fresh Water	13 3/8	New	J-55	54.5	992	992	862 C.T.S.
Coal	-	-	-	-	-	_	_
Intermediate	9 5/8	New	A-500	40	2,777	2,777	1,907 C.T.S.
Production	5 1/2	New	P-110	20	12,687	12,687	See Note 1
Tubing	2 3/8		J-55	4.6		-	May not be run, if run will be set 100' less than TD
Liners							

TYPE	Size (in)	<u>Wellbore</u> <u>Diameter (in)</u>	<u>Wall</u> <u>Thickness</u> (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	24	0.375	•	18	Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,730	2184	* See Note 2	1.21
Coal				<u> </u>			
Intermediate	9 5/8	12 3/8	0.395	3,590	3160	* See Note 2	1.21
Production	5 1/2	8 1/2	0.361	12,640	10112	•	1.27/1.86
Tubing							
Liners							

<u>Packers</u>

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

Note 1: EQT plans to bring the TOC on the production casing cement job 1,000' above kick off policy with his at least 500' above the shallowest production zone, to avoid communication.

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

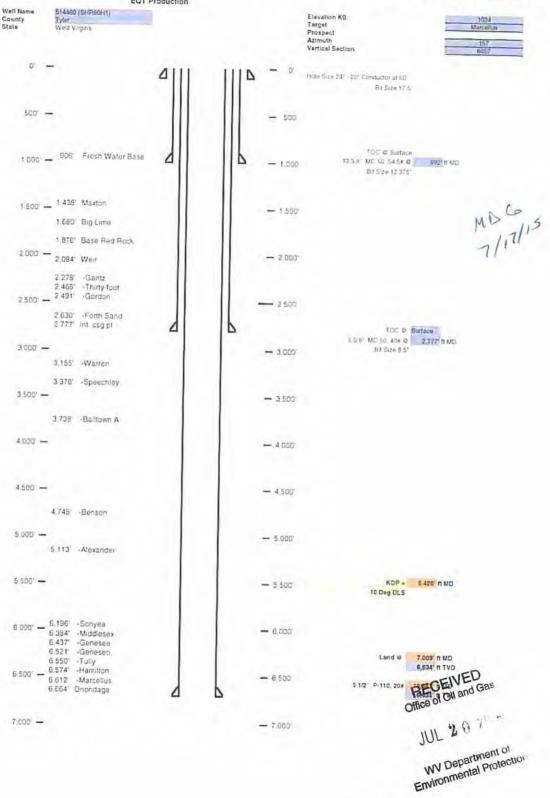
4709502257 7/14/15

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. The vertical drill to	go down to an approximate depth of 6764', lag
the Onondaga not more than 100°, run logs then plug back with a solid cement plug to a	approximately 5426' then kick off the horizontal leg into
the Marcellus formation using a slick water frac.	
 Describe fracturing/stimulating methods in detail, including anticipater 	
Hydraulic fracturing is completed in accordance with state regulations using water recycled for freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%)	
gelling agent, gel breaker, friction reducer, biocide, and scale inhibitor), referred to in the indu	
anticipated internal casing pressures is expected to average approximately 8500 psi, maxim approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 3	
vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per st	taga,
21) Total area to be disturbed, including roads, stockpile area, pits, etc, (acres): 31.93
22) Area to be disturbed for well pad only, less access road (acres):	5.39
23) Describe centralizer placement for each casing string.	
 Surface: Bow spring centralizers – One at the shoe and one spaced eve Intermediate: Bow spring centralizers – One cent at the shoe and one spaced. 	ery 500', paced every 500'.
Production: One spaced every 1000' from KOP to Int csg shoe	
24) Describe all cement additives associated with each cement type.	Surface (Type 1 Cement): 0-3% Calcium Chloride
Used to speed the setting of cement slurries.	
0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the ceintermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low to the companies of the companies.	
Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the loss	of whole drilling fluid or cement slurry (not filtrate)
to a thief zone.	
Production:	
Lead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening t	lme.
0.3% CFR (dispersant). Makes cement easier to mix.	
Tail (Type H Cement): 0.25-0 40% Lignosulfonate (Retarder). Lengthens thickening	time.
0.2-0.3% CFR (dispersant). This is to make the cement easier to mix.	
50 % Calculm Carbonate. Acid solubility.	
0.4-0.6% Halad (fluid loss). Reduces amount of water lost to formation.	
25) Proposed borehole conditioning procedures. Surface: Circulate ho	ale clean (Approximately 30-45 minutes) rotating & reciprocating
one full joint until cuttings diminish at surface. When cuttings returning to surface	e diminish, continue to circulate an additional 5
minutes. To ensure that there is no fill, short trip two stands with no circulation.	If there is fill, bring compressors back on
and circulate hole clean. A constant rate of higher than expected cuttings volun	me likely indicates washouts that will not clean up.
Intermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & recipror	cating one full joint until cuttings diminish at
surface. When cuttings returning to surface diminish, continue to circulate an a	CK. Alla
hole cleaning use a soap sweep or increase injection rate & foam concentration	Account the second
	alculate a gauge holes bottoms up volume.
Production: Pump marker sweep with nut plug to determine actual hole washout. Ca	alculate a gauge holes bottoms up volume. Sean. Check volume of cuttings coming across WV Departmental Protects
Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are cle	AN Deported
the shakers every 15 minutes.	wildow.

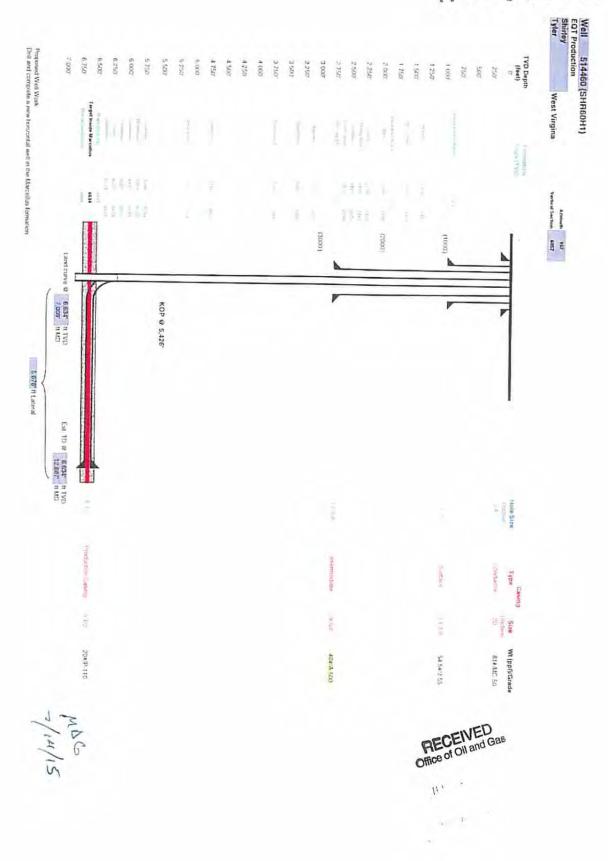
*Note: Attach additional sheets as needed.

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west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 (304) 926-0450 (304) 926-0462 fax Earl Ray Tomblin, Governor Rundy C. Huffman, Cabinet Secretary dep.wv.gov

#109807°°

March 18, 2014

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

Re: Cement Variance Request

Dear Sir or Madam,

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

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

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

Will J

Environmental Resources Specialist / Permitting

Promoting a healthy environment.



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary dep.wv.gov

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

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

REPORT OF THE OFFICE

09502257 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 coment blend:
 - 2% Calcium Chloride (Accelerator)
 - 0.25 % Super Flake (Lost Circulation)
 - 94% Type "1" Cement
 - 5.20 % Water
- 2.) Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24 hours.

Promoting a healthy environment.

RECEIVED Office of Oil and Gas

APR 2 7 2015

CONCLUSIONS OF LAW

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

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

ORDER

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

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

IN THE NAME OF THE STATE OF WEST VIRGINIA

OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTOR 257
OF THE STATE OF WEST VIRGINIA

James Martin, Chief Office of Oil and Gas

> RECEIVED Office of Oil and Gas

> > APR 2 7 2015

WW-9 (2/15)

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API No. 47	095			02257
Operator's V		514460		

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

Fluids/Cuttings Disposal & Reclamation Plan

Operator Name	EQT Production Company	OP Code	306686	_
Watershed (HUC10)	Morrison Run of McElroy Creek		Shirley	_
	more than 5,000 bbls of water to comp		ork? Yes x No	<u>-</u>
Will a pit be used ? Yes:	X No:			_
If so please descr	ribe anticipated pit waste:	flowback water & re	sidual solids	_
Will a synthetic lir	ner be used in the pit? Yes X	No If so	, what ml.? 60	_
•	osal Method For Treated Pit Wastes:			-
	Land Application			
-		-	14, 8462, 4037	<u>)</u>
.	Reuse (at API Number Off Site Disposal (Supply form	Various n WW-9 for disposal loca	tion)	7
	Other (Explain_)_
Will closed loop system I	be used? Yes, The closed loop system	m will remove drill cuttings t	from the drilling	_
• •	then prepared for transportation to an off-			- -
Drilling medium anticipat	ed for this well (vertical and horizontal)? Air, freshwater, oil bas	sed, etc.	
•	of the wellbore (surface, intermediate, and pilot). Water based			_
and drill the Intermediate section. The pi	ilot hole, curve, and lateral sections will be drilled with either a	r, water based mud, or oil based mud.		-
- If oil based, w	hat type? Synthetic, petroleum, etc	Synthel	ic mud	-
Additives to be used in di		ricant , detergent, defoaming, water. \		-
	control, deflocculates, biodegradable oil lubric			-
Oil based mud -synthetic base	e oil, barite, emulsifier, salt, lime, viscosifer, alk	alinity control, filtration control,	deflocculates,	-
biodegradable oil lubricant, de	foaming, carbonates.			-
	- 	offaita ata	l andfill	
- '	ethod? Leave in pit, landfill, removed o	•	Landfill n/a	- ·
	plan to solidify what medium will be used? (Cer te name/permit number?	See Attached L		-
- Landin of onsi	te name/permit number :	Oce Attached L		-
	tten notice to the Office of Oil and Gas of a vaste facility. The notice shall be provided properly disposed.			_
I certify that I understan	d and agree to the terms and conditions of the	GENERAL WATER POLLUTION	ON PERMIT Issued	2
	ce of Oil and Gas of the West Virginia Departm			
provisions of the permit are en or regulation can lead to enforce	forceable by law. Violations of any term or con-	dition of the general permit and	l/or other applicable law	
J				
	f law that I have personally examined and am f ments thereto and that, based on my inquiry of			
	the information is true, accurate, and complete.			
	ncluding the possibility of fine or imprisonment.	1 / /		
	The t			
Company Official Signate		Victoria J. Roark		-
Company Official (Typed Company Official Title	Pet	mitting Supervisor		-
				- - ·
	23	(1.1.1.	\5	-
Subscribed and sworn be	efore me this	July	, 20	-
Klulcu	ad bleater	<u> </u>	_Notary Publi	OFFICIAL SEAL
My commission expires	4-7-21	2		NOTARY PUBLIC STATE OF WEST VIRGINIA REBECCAL HEATER
my continuesion expires				EQT FRODUCTION COMPANS
				BRIDGEPORT, WV 26330 My commission expires April 07, 2020
			حقت ما	

		Operato	r's Well No.	514460
Proposed Revegetation Treat	ment: Acres Disturbed _r	o additional disturbance	Prevegetation pH	6.3
Lime3	Tons/acre or to	correct to pH	6.5	
Fertilize type	Granular 10-20-20			
Fertilizer Amount	1/3 lbs/ac	cre (500 lbs minimum)		
Mulch	2	Tons/acre		
-		Seed Mixtures		
Tempora		76.	Permanent	
Seed Type KY-31	lbs/acre 40	Seed Type Orchard Grass		a <mark>cre</mark>
Alsike Clover	5	Alsike Clover	5	
Annual Rye	15			
Plan Approved by: M. Comments: Presee	had Do d & Mula P regulation		distorted	areas Darade
"E-n-s as	necessary			
Title: 0:1 4 Gas	Inspector	Date:	12/201	5
Field Reviewed? (V Yes	() No	RECEI\
				MAY 18

EQT Production Water plan Offsite disposals for Marcellus wells

CWS TRUCKING INC.

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

LAD LIQUID ASSETS DISPOSAL INC.

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

TRI COUNTY WASTE WATER MANAGEMENT, INC.

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

Waste Management - Meadowfill Landfill

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

Waste Management - Northwestern Landfill

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

BROAD STREET ENERGY LLC

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

TRIAD ENERGY

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

KING EXCAVATING CO.

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

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Proposed Disturbance Area Shirley 7.5' USGS QUADRANGLE Well Site Location See Site Plan Proposed Access Road See Site Plan See Site Plan 15" minimum diameter culverts See Site Pla 24" minimum diameter culverts Approximate Total Disturbance See Site Plan Dale Tomlin PS

Note: SEE SITE PLAN OF SHIP FOR FORVED
COMPLETE GRADING LIBRANACE VED
CONSTRUCTION INCLUDINGS: OIL and Gas
EROSION & SEGMENT CONTROL II and Gas DETAILS, ETC.

MAY 1 8 2015

WV Department of Environmental Protection



WW-9

400

515436, 515437, 515438

SURVEYING AND MAPPING SERVICES PERFORMED BY:

EGHENY SURVEYS, INC. 1-800-482-8606

Birch River Office Phone: (304) 649-8606 Fax: (304) 649-8608

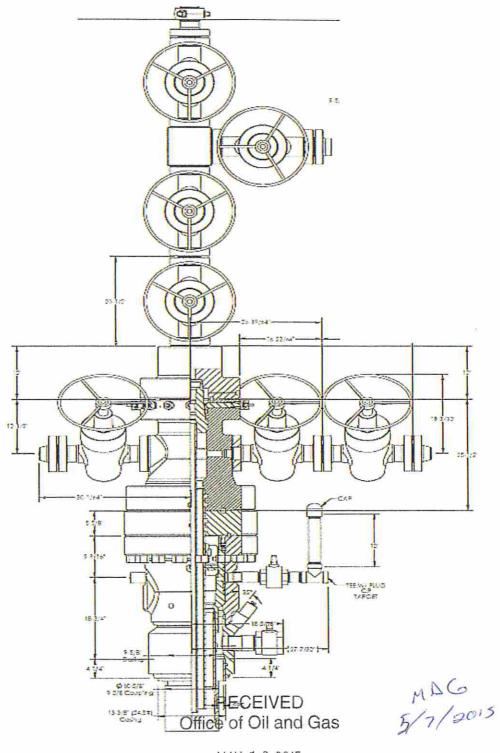
237 Birch River Road P.O. Box 438 Birch River, WV 26610

07/24/2015

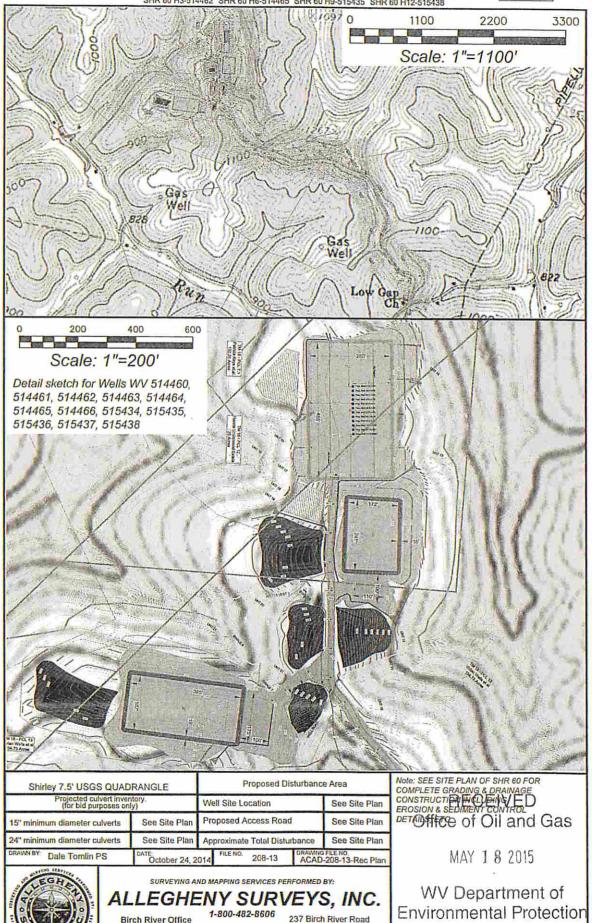
Well Head Assembly Design

Written Description:

Multi-bowl wellhead assembly with a 13 3/8" 5M x 13 3/8" SOW wellhead. A 13 5/8" 5M x 11" 5M DSA is used between the wellhead and tubing head. The tubing head is 11" 5M x 7 1/16" 10M. The tree is 2 1/16" 5M. Picture of stack up below.



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P.O. Box 438

Birch River, WV 26610

Phone: (304) 649-8606

Fax: (304) 649-8608

Environmental Protection

WV Department of Environmental Protection

07/24/2015



Site Specific Safety Plan

EQT SHR 60 Pad

Shirley Tyler County, WV

514460	For Weils	:
EQT Production	Date Prepared:	October 24, 2014 Michael Hoff WV Oil and Gas Inspector
title 4 23-14 Date	DERVISON	Title 5/7/20 RECEIVED Date Office of Oil and Gas
		MAY 1.8 2015

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MDG 5/7/2013

Section VII: Collision Avoidance

Collision avoidance is managed by utilizing gyro tools, downhole steering tools (MWD/EM), and anticollision software by engineers. Two drilling scenarios that occur are normal pad drilling and return to pad drilling. EQT categorizes these two scenarios as such because the two scenarios utilize very different mitigation plans.

Normal pad drilling is defined when a top hole rig drills each well on the pad down to kick off point (KOP) and then a bottom hole rig moves onto the pad after the top-hole rig moves off and drills the curve and lateral sections. Normal pad drilling can also be defined when a bottom hole rig moves to a pad and drills each well on the pad from surface to TD (Grassroots Well). Normal pad drilling carries much less risk and thus does not require frequent surveying and collision avoidance maneuvers because no producing wells are present and risk of unexpected pressure or well control events are not present.

Return to pad drilling is a scenario where a top-hole rig or a bottom hole rigs returns to a pad to drill additional well(s) that currently have producing (live) wells on the pad. Return to pad drilling requires more frequent surveying and anti-collision avoidance management because producing wells are present. By utilizing good engineering well design, anti-collision software and frequent surveys, wells can safely be drilled while existing or producing wells exist on the pad.

With both normal and return to pad drilling operations, every well planned to be drilled has a surface plot diagram, 2-D plot diagram, and a pad plot diagram prepared. (Plots attached under "Collision Avoidance Diagrams") In each scenario, north seeking gyro tools, MWD/EM tools, and anti-collision processes are utilized to mitigate the risk of downhole collisions. Anti-collision processes include conformation of gyro accuracy, evaluation of anti-collision software (Compass or equivalent program), and 2-D/3-D model plotting. In both scenarios, it is EQT's standard operating procedure (SOP) for the onsite supervisor of EQT and the directional drilling company supervisor to confirm the orientation of the directional tools and ensure that the tools are orientated consistent with the directional motor's high side. When anti-collision is a risk and directional assemblies are required to navigate utilizing a gyro tool, it is EQT's SOP to use the Gyro company's muleshoe to ensure the accuracy of the gyro seat in the muleshoe. In addition, when using this muleshoe, it is EQT's SOP to have the EQT's on-site supervisor, directional drilling company supervisor, and gyro company supervisor confirm the alignment and orientation of the tool and ensure that the tools are orientated consistent with the directional fractional f

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Normal Pad Drilling

In this scenario, there are no existing wells on the pad. A top-hole rig will move on to the pademilinent of each well to KOP and then a bottom hole rig will move on after the top hole rig finishes and the Protection each well to horizontal TD. At times, the bottom hole rig may drill each well from surface to horizontal TD.

During this scenario, if two wells come within 10 feet or a separation factor of 1.5, each survey is monitored closely and anti-collision is run after each survey until the wells are clear of a collision risk. If a SF \leq 1.0 or \leq 5' separation is encountered or a collision occurs, an email notification will be sent by the EQT on-site drilling supervisor to the appropriate state inspector. In the event the proximity of wells get

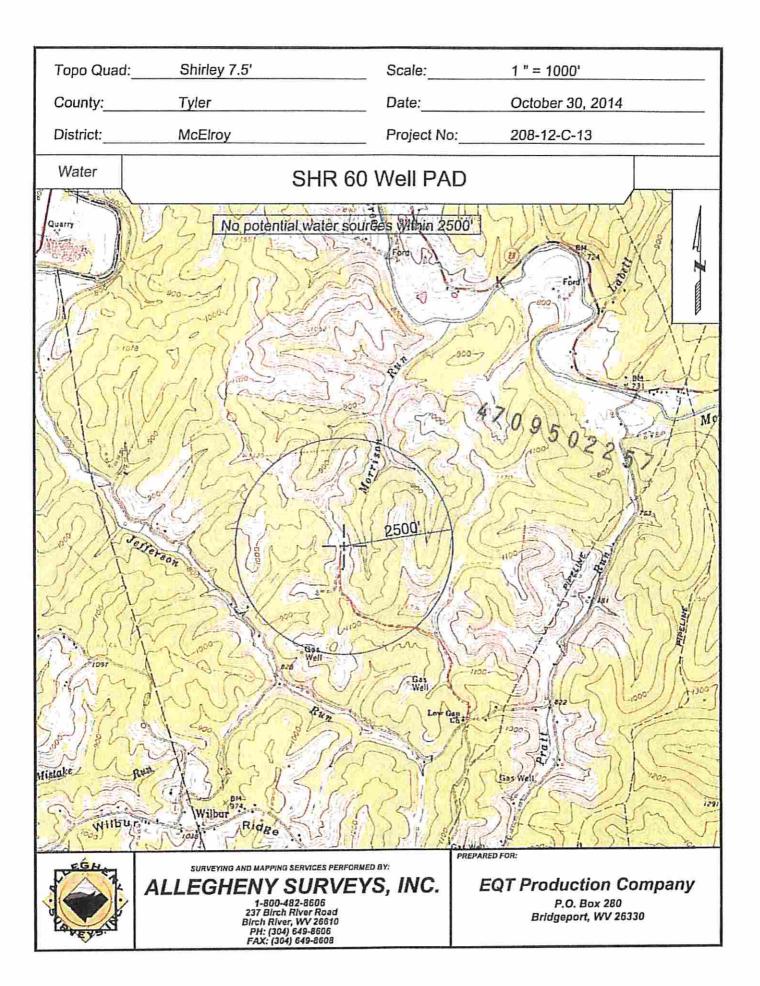
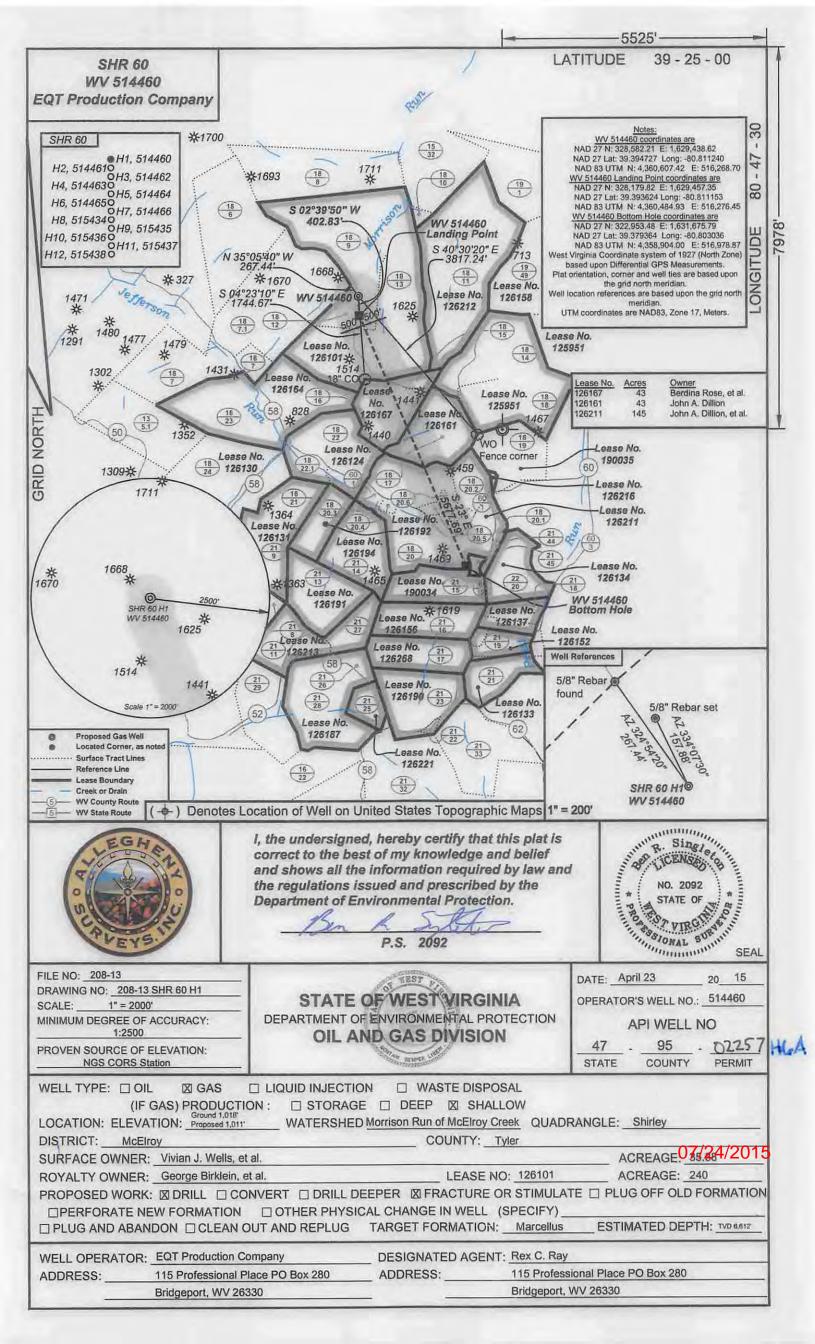




Table 1 - Water Source Identification

EQT Well Pad Name:SHR60		Submittal Dat	te:10	0/30/14_		
EQT Well Number: _514460, 514462, 51446	63, 514464, 5145	65, 515434, 51	5435, 5	15436,	51543	37
Survey / Engineering Company:Allegheny S	Surveys Inc			_		
Site Number: Distance from Gas We	ell (feet):			100 Ok 69		- 7
Surface Owner / Occupant:No water so	urces	47	09	502	2	5/
Address:	Phone	#:				
Field Located Date: Owner	er home during su	rvey (yes/no):		=		
Coordinates:	(decimal degre	es - NAD 83)				
Contact Attempts (Date): 1 st : 2 nd :	3 rd :	Date Doo	r Hange	er Left: _		
Comments:				-		
Site Number: Distance from Gas We	ell (feet):	_				
Surface Owner / Occupant:						
Address:	Phone :	#:				
Field Located Date: Owner ho	ome during survey	/ (yes/no):				
Coordinates:	(decimal degre	es - NAD 83)				
Contact Attempts (Date): 1 st : 2 nd :	3 rd :	Date Doo	r Hange	er Left: _		
Comments:				_		
Site Number: Distance from Gas We	ell (feet):					
Surface Owner / Occupant:						
Address:	Phone	#:				
Field Located Date: Owner home	during survey (Ye	es/No):				
Coordinates:	(decimal degre	es – NAD 83)				
Contact Attempts (Date): 1 st : 2 nd :	3 rd ;	Date Doo				
Comments:			Of	rice of	Oll	and Ga
				APR	27	2015

(Insert additional pages as needed)



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

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

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

Lease	G	Country Lagran etc. D	1_	D1-M			- 4	E 7
Name or	Grantor, Lessor, etc.		oyalty In 1/8 pd	Book/Pa	age	T 5 () 2 Z	57
<u>126101</u>		14.	1111 176 Pu	47	U :	J	-	
	William Blaine Underwood, et al	Equitable Gas Co.	1	DB186/86				
	Equitable Gas Co.	Equitrans, Inc.	I	DB274/471				
	Equitrans, Inc.	Equitable Production Company	1	DB396/640				
	Equitable Production Company	EQT Production Company	I	DB281/346		Doddrie	dge Co.	
126167								
	Savannah Pratt, et al	Equitable Gas Co.		DB192/425				
	Equitable Gas Co.	Equitrans, Inc.		DB274/471				
	Equitrans, Inc.	Equitable Production Company		DB396/640				
	Equitable Production Company	EQT Production Company		DB281/346		Doddri	dge Co.	
<u>126161</u>								
	John M. Pierpoint, et al	Equitable Gas Co.		DB192/368				
	Equitable Gas Co.	Equitrans, Inc.		DB274/471				
	Equitrans, Inc.	Equitable Production Company		DB396/640				
	Equitable Production Company	EQT Production Company		DB281/346		Doddri	dge Co.	
<u>126211</u>								
	Mary E. Underwood, et vir	Hope Natural Gas Co.		DB70/477				
	Hope Natural Gas Co.	Consolidated Gas Supply Corp.		DB169/26				
	Consolidated Gas Supply Corp.	Consolidated Gas Transmission Corp.		DB249/287				
	Consolidated Gas Transmission Corp.	CNG Development Co.		DB253/57				
	CNG Development Co.	Dominion Appalachian Developme	ent, Inc.	DB337/340				
	Dominion Appalachian Development, Inc.	Consol Gas Appalachian Developm	ment, LLC	CB9/1347E	CEI	VEB	change	
	Consol Gas Appalachian Development, LLC	CNX Gas Co., LLC	(Diffices of	Oil	and (bange	
	CNX Gas Co., LLC	EQT Production Co.		DB479/55				
				APR	27	2015		

Upon information and belief, Operator's lease and/or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including under any public roads that the well lateral crosses.

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

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

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

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

Well Operator EQT Production Company

By:

Its: Permitting Supervisor

age 1 of 1

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STATE OF WEST VIRGINIA 4700 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION

Date of No	otice Certification: 4-27.	5	API No. 47 095	0
			Operator's Well No.	514460
			Vell Pad Name:	SHR60
Notice has	s been given:			
	the provisions in West Virginia Code te tract of land as follows:	e § 22-6A, the Operator has provided the	e required parties with the	Notice Forms listed
State:	WV	UTM NAD 83 Easting:		4,360,607.42
County:	Tyler	UTM NAD 83 Northing:		516,268.70
District:	McElroy	Public Road Access:		60/2
Quadrangle:	Shirley	Generally used farm name:		Vivian J Wells et al
Watershed:	Morrison Run of McElroy Creek			
of giving the requiremen Virginia Cod	e surface owner notice of entry to sur ts of subsection (b), section sixteen of	section sixteen of this article; (ii) that the vey pursuant to subsection (a), section of this article were waived in writing by t	ten of this article six-a; or the surface owner; and Pur	
that the Ope	a mana adam dampidida ay and appino	tender proof of and certify to the secret cant.	ary that the notice requires	suant to West
LOI FAOF		cant. Derator has attached proof to this Notice	• Certification	suant to West

NOTICE NOT REQUIRED BECAUSE

WAS CONDUCTED OR

(PLEASE ATTACH)

NOTICE OF ENTRY FOR PLAT SURVEY

WRITTEN WAIVER BY SURFACE OWNER

NOTICE OF ENTRY FOR PLAT SURVEY or ▼ NO PLAT SURVEY WAS CONDUCTED

RECEIVED

REQUIRED

RECEIVED

RECEIVED/NOT

Required Attachments:

V NOTICE OF APPLICATION

▼ PUBLIC NOTICE

NOTICE OF INTENT TO DRILL or

▼ NOTICE OF PLANNED OPERATION

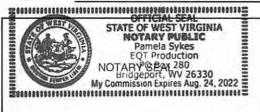
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copyrighte Class illulegal Advertisement with publication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

WW-6AC (1/12)

		-/		
Certificat	ion of	Motionic	horohy	divon.
Ceitiiicat	1011 01	MOLICE	Helenv	uiven.

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

Well Operator:EQT Production CompanyAddress:P.O. Box 280By:Victoria J. RoarkBridgeport, WV 26330Its:Permitting SupervisorFacsimile:304-848-0040Telephone:304-848-0076Email:vroark@eqt.com



Subscribed and sworn before me this

23

of Con

Notary Public

2015

My Commission Expires

8.24.22

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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WV Department of
Environmental Protection

WW-6A (9-13)

API NO. 47	- 095	 0
OPERATOR WELL	514460	
Well Pad Name:	SHR60	

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

Notice Time Requiren Date of Notice:	4-27-15	vided no later than the filing da Date Permit Application File	The state of the s	on. -15	
Notice of:					
PERMIT FOR AI	NY 🗆	CERTIFICATE OF APPROV		PIT	
Delivery method pur	suant to West Virgini	a Code § 22-6A-10(b)			
☐ PERSONAL SERVICE	REGIST MAIL			RY THAT REQUIRES A JRE CONFIRMATION	
for the construction requires a receipt of plat to each of the the surface tract or disturbance as des lessee, in the even record of the surface construction, enlar water purveyor which is used to p work activity is to in the lands, the aparticle one, chapte unless the lien hol	n of an impoundment of signature confirmed following persons: tracts overlying the cribed in the eroside the tract of land of the tract of land of the tract of the tract of the configuration, and the state place. (c)(1) I oplicant may serve the landown and any water pure signature of this configuration.	ent or pit as required by the nation, copies of the apple (1) The owners of record the oil and gas leasehold be on and sediment control per which the well propose verlying the oil and gas leasehold the repair, removal or aband applicant to have a water insumption by humans or from that the documents required upode. (2) Notwithstanding the repair of the country of	nis article shall de ication, the erosion of the surface of the surface of the submitted pursue of the submitted pursue of the submitted pursue of the submitted subment of any im well, spring or wardomestic animals in common or oth pon the person de any provision of the submitted submitted in the submitted submitte	liver, by personal ser on and sediment control the tract on which the the proposed well we suant to subsection (cocated [sic] is known reloped by the propose poundment or pit as the supply source lock, and (b) The operation er co-owners of interescribed in the record this article to the con- trapart, that the operation	for a permit for any well work or for rvice or by registered mail or by any rol plan required by section seven of the well is or is proposed to be located; work, if the surface tract is to be used c), section seven of this article; (3) in to be underlain by one or more coal sed well work, if the surface tract is to described in section nine of this cated within one thousand five or of any natural gas storage field crests described in subsection (b) of its of the sheriff required to be atrary, notice to a lien holder is not tor shall also provide the Well Site ovided in section 15 of this rule.
SURFACE O' Name: Address:		Vivian Janice Wells 1814 Oil Ridge Road Istersville WV 26175	COAL OV Name: Address:	WNER OR LESSEE	Vivian Janice Wells 1814 Oil Ridge Road Sistersville WV 26175 0
Name: Address:	S	George Birklein 121 Oxford St istersville WV 26175 See Attachment	COAL OF Name:	See attached PERATOR	for additional coal owners.
SURFACE O' Name: Address:		and/or Other Disturbance, Vivian Janice Wells 1814 Oil Ridge Road istersville WV 26175	☐ SURFAC	E OWNER OF WAT ER PURVEYOR(s)	TER WELL Office RECEIVAGE
Name: Address:	S	George Birklein 121 Oxford St istersville WV 26175 See Attachment	Address:		Office of Oil and Gas
SURFACE O' Name: Address:	WNER(s) (Impoun		OPERATO Name: Address:	OR OF ANY NATURA	APR 2 7 2015 AL GASSTORAGE FIELD Environmental Protection
			*Please attach a	dditional forms if ne	cessary

WW6-A

Additional Surface Owners:

Albina Pasko 18 Jensen St East Brunswick NJ 08816

Clifford Haug 3894 Cellar Creek Rd Blackstone VA 23824

Timothy M Haug 3890 Cellar Creek Rd Blackstone VA 23824

Benjamin A Haug 3890 Cellar Creek Rd Blackstone VA 23824

Jean Jackubowski 158 Baumgardner Road Willow Street PA 17584

Theodore Jackubowski 1212 Kelso Blvd Windermere FL 34786

Louis Jackubowski Jr 1922 Robindale Ave Lancaster PA 17601

Mary Jean Ross 904 Truce Road Holtwood PA 17532

Susan Buzzard 21 Cherokee Road / Willow Street PA 17584

Sharon Graeff 3217 Eisenbrown Rd Reading PA 19605

Virginia Hornberger 3415 River Road Reading PA 19605

Anthony Jackubowski Jr 535 Shawnee St Wilkes-Barre PA 18702 4709502257

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Additional Surface Owners:

Raymond A Jackubowski 123 North Pioneer Ave Shavertown PA 18708

Beverly A Chisdock 213 Lehigh St Avoca PA 18641

Cynthia Kryzwicki 213 Nicholson St Wilkes-Barre PA 18702

Andrea Shotts 432-2 East Main St Plymouth PA 18651

Lisa Wesolowski 254 Lampman St Avoca PA 18641

Additional Surface Owners: Access Road

Albina Pasko 18 Jensen St East Brunswick NJ 08816

Clifford Haug 3894 Cellar Creek Rd Blackstone VA 23824

Timothy M Haug 3890 Cellar Creek Rd Blackstone VA 23824

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Virginia Hornberger 3415 River Road Reading PA 19605

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Raymond A Jackubowski 123 North Pioneer Ave Shavertown PA 18708

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Cynthia Kryzwicki 213 Nicholson St Wilkes-Barre PA 18702

Andrea Shotts 432-2 East Main St Plymouth PA 18651

Lisa Wesolowski 254 Lampman St Avoca PA 18641

John Paul Davis 45 Crystal Lake Road West Union WV 26456

Richard E Hansen 1043 Low Gap Road Wilber WV 26459 4709502257

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APR 2 7 2015

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Environmental Protection

Additional Surface Owners: Access Road

Joyce K Hill 88 Arvilla Rd Bens Run WV 26146

Terry J Cumberledge 1384 Pratts Run Road Alma WV 26320

Allen Dale Fornash 9217 Bachelor Rd NW Waynesburg OH 44688

Donald E Bible Sr 2400 Millarton St SE Canton OH 44707

Susan L Spencer HC 74 Box 98 Alma WV 26320

Additional Surface Owners: Pits/Impoundments

George Birklein 121 Oxford St Sistersville, WV 26175

Albina Pasko 18 Jensen St East Brunswick NJ 08816

Clifford Haug 3894 Cellar Creek Rd Blackstone VA 23824

Timothy M Haug 3890 Cellar Creek Rd Blackstone VA 23824

Benjamin A Haug 3890 Cellar Creek Rd Blackstone VA 23824

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George Birklein 121 Oxford St Sistersville, WV 26175

4709502257

Office of Oil and Gas

APR 2 7 2015

API NO. <u>47</u> -	095 -	0
OPERATOR WELL NO.		514460
W-II D- 4 M		CLIDAO

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 any early 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-bycase basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the approant 3 propsecretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location.

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

Such persons may request, at the time of submitting written comments, notice of the permit decision and interpretation of the permit decision and interpretation of the permit decision and interpretation of the permit decision of the permit d

WW-6A (8-13)

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OPERATO	R WEL	L NO.		 514460
Well Pad N	Vame:			SHR60

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 make and well number and the approximate location of the proposed well site including district and county from the application. You may add ther documents, such as sketches, maps or photographs to support your comments.

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

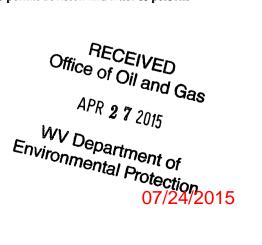
Permit Denial or Condition

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

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

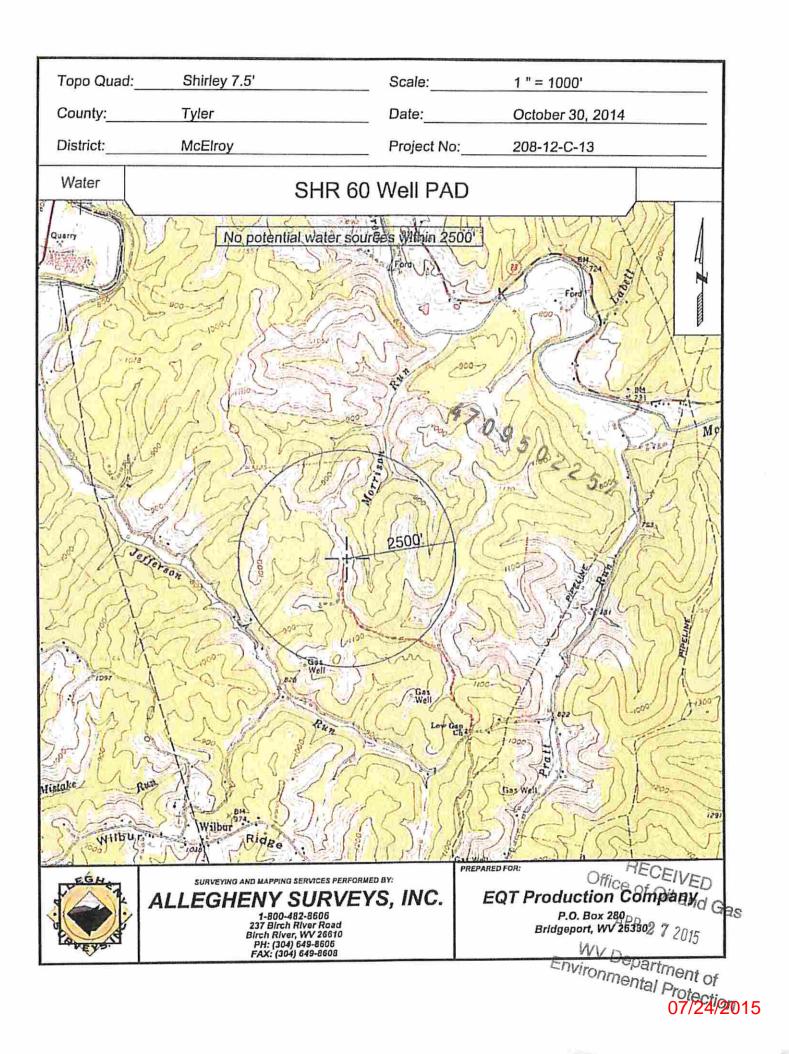
A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment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

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



	QT Production Company		
		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:			4>
이 아니라 다른 이 이다는 것이다. 그 나를 하는 것이 다른 사람이 없다.			ne, address and telephone number, as part of our
regulatory duties. Your person	nal information may be disc	closed to other Stat	e agencies or third parties in the normal course of business
or as needed to comply with s	tatutory or regulatory requi	rements, including	Freedom of Information Act (quests. Our office will
appropriately secure your pers	sonal information. If you ha	ive any questions a	bout our use or your personal information, please contact
DEP's Chief Privacy Officer	at depprivacyofficer@wv.g	ov.	5>
I certify under penalty of law	that I have personally exam	nined and am famil	iar with the information submitted on this application
			immediately responsible for obtaining the information,
I believe that the information	The state of the second state of the second state of the second s		/ / /
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STATE OF	LIAI	ermining Superviso	
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Pam EQT F	ela Sykes Subscribe	and sworn before	en_23 day of 4, 2015
PO Bridgeno	Box 280 et, WV 26330	ande 141	8.24.22 Notary Public
- Diridgepo	Expires Aug. 24, 2022 My Comr.	nission Expir	7.24.23

Office of Oil and Gas WV Department of Environmental Protection 07/24/2015



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

Date of Notice	e: 4/17/2015 Date Permit Appl	ication Filed:	4/27/2015	-
Delivery meth	ood pursuant to West Virginia Code § 22-6A-16(b)			
HAND DELIVE	CERTIFIED MAIL RETUF	N	470	9502257 d mail return
receipt reques drilling a horiz of this subsect subsection ma	V. Va. Code § 22-6A-16(b), at least ten days prior to filing sted or hand delivery, give the surface owner notice of it ontal well: Provided, That notice given pursuant to substion as of the date the notice was provided to the surface by be waived in writing by the surface owner. The notice e, facsimile number and electronic mail address of the o	s intent to enter upon ection (a), section ten e owner: Provided, ho , if required, shall inclu	the surface owner's land fo of this article satisfies the re wever, That the notice requ de the name, address, telep	r the purpose of equirements irements of this phone number,
Notice is here	by provided to the SURFACE OWNER(s):			
Name: _	Vivian Janice Wells	Name:		George Birklein
Address:	1814 Oil RidgeRoad / Sistersville WV 26175	Address:		121 Oxford St tersville WV 26175
County: District: Quadrangle:	Tyler McElroy Shirley		Northingblic Road Access:used farm name:	516,268.70 60/2 Vivian J Wells et al
Watershed:	Morrison Run of McElroy Creek	denerally	used farm name.	Ataign 1 Avens et al
facsimile num related to hor	Vest Virginia Code § 22-6A-16(b), this notice shall include ber and electronic mail address of the operator and the izontal drilling may be obtained from the Secretary, at to 1. 57th Street, SE, Charleston, WV 25304 (304-926-0450)	operator's authorized ne WV Department of	representative. Additional i Environmental Protection h	nformation eadquarters,
Well Operator:	EQT Production Company	Authorized Represent	ative:	Victoria Roarl
Address:	115 Professional Place, P.O Box 280	Address:	11	15 Professional Place, P.O Box 280
	Bridgeport, WV 26330			Bridgeport, WV 2633
Telephone:	304-848-0076	Telephone:		304-848-0076
Email:	vroark@eqt.com	Email:		vroark@eqt.com
Facsimile:	304-848-0041	Facsimile:		Office of Oil and Ga
Oil and Gas P	rivacy Notice:			of Oil and Ca
The Office of duties. Your p	rivacy Notice: Oil and Gas processes your personal information, such a sersonal information may be disclosed to other State age in ply with statutory or regulatory requirements, including secure your personal information. If you have any questivacy Officer at depprivacyofficer@wv.gov.	s name, address and te encies or third parties i	elephone number, as part of n the normal course of busin	ness or as APR 2 7 2015
needed to cor	noily with statutory or regulatory requirements, including	g i i cedom of milorina	tion Act requests. Our office	Will/A/A

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

Notice Time R	equirement: Notice shall be provided at least TEN (10) : 4/17/2015 Date Permit App		it application. 4/27/2015	
			1,21,2025	
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	HAND CERTIF	FIED MAIL RETURN PT REQUESTED		9502257
	Va. Code § 22-6A-16(b), at least ten days prior to filing		[N. THE S. 1997 1998] S. C. THE STONE SHOW A SECURITION OF	
	ted or hand delivery, give the surface owner notice of i			
	ontal well: Provided, That notice given pursuant to sub-			
	ion as of the date the notice was provided to the surface y be waived in writing by the surface owner. The notice			
	, facsimile number and electronic mail address of the o			iber,
and it available	, racsimic named and electronic man address of the	operator and the operator	3 addionzed representative.	
Notice is herel	by provided to the SURFACE OWNER(s):			
Name:	Albina Pasko	Name:	Cliffo	ord Haug
Address:	18 Jensen St	Address:	3894 Cellar (Creek Rd
	East Brunswick NJ 08816		Blackstone V	A 23824
	ner's land for the purpose of drilling a horizontal well on WV	on the tract of land as follo		4250507.42
State:	Tyler	UTM NAD 83	Easting	4360607.42
County:	McElroy	Dublie	Northing	516268.7
District: Quadrangle:	Shirley	Generally use	Road Access:	Vivian J Wells et al
Watershed:	Morrison Run of McElroy Creek	deficitiny use	d farm frame.	VIVIAITS WEIIS Et al
This Notice Sh	all Include:			
Pursuant to W	est Virginia Code § 22-6A-16(b), this notice shall include	e the name, address, telep	hone number, and if available,	
	per and electronic mail address of the operator and the	기타면 시간 전에 살아가 되었다. 그 나는 점점 먹니다.		
	zontal drilling may be obtained from the Secretary, at t		지 않는데 경계되어 경계를 잃었다. 기반자 제가 가장 등 하는 것은 것은 이 사람이 나를 하고 있습니까	
located at 601	57th Street, SE, Charleston, WV 25304 (304-926-0450)	or by visiting www.dep.w	v.gov/oil-and-gas/pages/default.as	рх
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Notice is here! Well Operator:	EQT Production Company	Authorized Representativ	0.	Victoria Roark
Address:	115 Professional Place, P.O Box 280	Address:		sional Place, P.O Box 280
	Bridgeport, WV 26330	11941 (23)	230 110,00	Bridgeport, WV 26330
Telephone:	304-848-0076	Telephone:		304-848-0076
Email:	vroark@eqt.com	Email:		vroark@eqt.com
Facsimile:	304-848-0041	Facsimile:		304-848-0041
	ivacy Notice: Dil and Gas processes your personal information, such a			RECE.
Oil and Gas Pr	ivacy Notice:		Offic	CENTED
The Office of C	Oil and Gas processes your personal information, such a	is name, address and telep	hone number, as part of our regul	atory Oil and
duties. Your pe	ersonal information may be disclosed to other State ago	encies or third parties in th	ne normal course of business or as	App Gas
needed to con	nply with statutory or regulatory requirements, includir	ng Freedom of Information	Act requests. Our office will	77 27 2015
appropriately	secure your personal information. If you have any ques	tions about our use or you	ir personal information, please con	tact
DEP's Chief Pr	vacy Officer at depprivacyofficer@wv.gov.		Envire	eparim.
	ersonal information may be disclosed to other State ago oply with statutory or regulatory requirements, includir secure your personal information. If you have any ques wacy Officer at depprivacyofficer@wv.gov.		יווטחוזי	ental pent of

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

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		ackstolle VA 23024			Didenstolle VA 23024	
tate:		# NO.	UTM NAD 83	Easting		4360607.42
	-	Tyler	UTM NAD 83			
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County: District: Quadrangle: Vatershed: Vatershed: Pursuant to We: Pacsimile number Pelated to horize Cocated at 601 5 Notice is hereby Vell Operator: Address: Felephone: Fractimile: Facsimile: Coll and Gas Priv	Il Include: st Virginia Code § 22-6A-16(b), the and electronic mail address of tontal drilling may be obtained fro total drilling may be obtained from the control of the contr	McElroy Shirley eek is notice shall include the operator and the m the Secretary, at the 304 (304-926-0450) uction Company ice, P.O Box 280 port, WV 26330 304-848-0076 oark@eqt.com 304-848-0041	Public Generally used the name, address, telepoperator's authorized report by visiting www.dep.wor by visiting www.dep.wor by visiting www.dep.worderess: Telephone: Email: Facsimile:	Northing Road Access: d farm name: hone number, an iresentative. Additionmental Prote v.gov/oil-and-gas,	id if available, itional information ction headquarters, /pages/default.aspx 115 Professional P Bri	Victoria Roar lace, P.O Box 28 dgeport, WV 2633 304-848-007 vroark@eqt.cor
County: District: Quadrangle: Watershed: Fhis Notice Shale Pursuant to Westacsimile number related to horize ocated at 601 5 Notice is hereby Well Operator: Address: Felephone: Fractimile: Fractimile: Food and Gas Prive	Il Include: st Virginia Code § 22-6A-16(b), the and electronic mail address of tontal drilling may be obtained fro total drilling may be obtained from the control of the contr	McElroy Shirley eek is notice shall include the operator and the m the Secretary, at the 304 (304-926-0450) uction Company ice, P.O Box 280 port, WV 26330 304-848-0076 oark@eqt.com 304-848-0041	Public Generally used the name, address, telepoperator's authorized report by visiting www.dep.wor by visiting www.dep.wor by visiting www.dep.worderess: Telephone: Email: Facsimile:	Northing Road Access: d farm name: hone number, an iresentative. Additionmental Prote v.gov/oil-and-gas,	id if available, itional information ction headquarters, /pages/default.aspx 115 Professional P Bri	Victoria Roar lace, P.O Box 28 dgeport, WV 2633 304-848-007 vroark@eqt.cor
County: District: Quadrangle: Watershed: Fhis Notice Shale Pursuant to Westacsimile number related to horize ocated at 601 5 Notice is hereby Well Operator: Address: Felephone: Fractimile: Fractimile: Food and Gas Prive	Il Include: st Virginia Code § 22-6A-16(b), the and electronic mail address of tontal drilling may be obtained fro total drilling may be obtained from the control of the contr	McElroy Shirley eek is notice shall include the operator and the m the Secretary, at the 304 (304-926-0450) uction Company ice, P.O Box 280 port, WV 26330 304-848-0076 oark@eqt.com 304-848-0041	Public Generally used the name, address, telepoperator's authorized report by visiting www.dep.wor by visiting www.dep.wor by visiting www.dep.worderess: Telephone: Email: Facsimile:	Northing Road Access: d farm name: hone number, an iresentative. Additionmental Prote v.gov/oil-and-gas,	id if available, itional information ction headquarters, /pages/default.aspx 115 Professional P Bri	Victoria Roar lace, P.O Box 28 dgeport, WV 2633 304-848-007 vroark@eqt.cor
County: District: Quadrangle: Watershed: This Notice Shal Pursuant to We: Facsimile number related to horize located at 601 5 Notice is hereby Well Operator: Address: Telephone: Email: Facsimile: Oil and Gas Priv	Il Include: st Virginia Code § 22-6A-16(b), the rand electronic mail address of tontal drilling may be obtained fro 7th Street, SE, Charleston, WV 25 given by: EQT Produ 115 Professional Pla Bridge	McElroy Shirley eek is notice shall include the operator and the m the Secretary, at the 304 (304-926-0450) uction Company ice, P.O Box 280 port, WV 26330 304-848-0076 oark@eqt.com 304-848-0041	Public Generally used the name, address, telepoperator's authorized report by visiting www.dep.wor by visiting www.dep.wor by visiting www.dep.worderess: Telephone: Email: Facsimile:	Northing Road Access: d farm name: hone number, an iresentative. Additionmental Prote v.gov/oil-and-gas,	id if available, itional information ction headquarters, /pages/default.aspx 115 Professional P Bri	Victoria Roar lace, P.O Box 28 dgeport, WV 2633 304-848-007 vroark@eqt.cor

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

Notice Time Requ Date of Notice:	irement: Notice shall be provide 4/17/2015	ed at least TEN (10) o	하면 이번에 보고 있습니다. 그 가게 되었다고 ^^	nit application. 4/27/2015		
					4700	02257
Delivery method	oursuant to West Virginia Code	§ 22-6A-16(b)			., 095	022
	HAND	CERTIE	IED MAIL BETLIEN	i.		2257
	HAND DELIVERY	RECEI	TED MAIL RETURN PT REQUESTED			
receipt requested drilling a horizonta of this subsection subsection may be	. Code § 22-6A-16(b), at least te or hand delivery, give the surfac al well: Provided, That notice giv as of the date the notice was pro e waived in writing by the surfac csimile number and electronic n	e owner notice of it en pursuant to subs ovided to the surfac e owner. The notice	s intent to enter upon tl ection (a), section ten ol e owner: Provided, how , if required, shall includ	ne surface owner's lan f this article satisfies th ever, That the notice r e the name, address, t	d for the purpose of ne requirements equirements of this relephone number,	
Notice is hereby p	rovided to the SURFACE OWNE	R(s):				/
Name:		Jean Jackubowski	Name:		Theodore Jackubowski	
Address:	15	8 Baumgardner Rd	Address:		1212 Kelso Blvd	
	Willo	w Street PA 17584	-		Windermere FL 34786	
State: County: District: Quadrangle: Watershed:	Morrison Run of McElroy Cre	Tyler McElroy Shirley		Northing ic Road Access: sed farm name:	Vivia	4360607.42 516268.7 60/2 n J Wells et al
This Notice Shall I Pursuant to West facsimile number related to horizon	nclude: Virginia Code § 22-6A-16(b), this and electronic mail address of the tal drilling may be obtained from th Street, SE, Charleston, WV 25:	ne operator and the n the Secretary, at t	operator's authorized ro he WV Department of Er	epresentative. Additio nvironmental Protectio	nal information on headquarters,	
Notice is hereby g		ction Company	Authorized Representat	lune		Victoria Roark
Well Operator: Address:	115 Professional Plac		Address:	ive.	115 Professional Pl	
Address.		oort, WV 26330	7001633.			Igeport, WV 26330
Telephone:	SylvaBol	304-848-0076	Telephone:			304-848-0076
Email:	vro	oark@egt.com	Email:		DEAY	roark@eqt.com
Facsimile:		304-848-0041	Facsimile:		Office	1 204 848-0041
	No. of the last of				aure abo	and Gas
needed to comply appropriately sec	cy Notice: Ind Gas processes your personal Inal information may be disclose With statutory or regulatory recure your personal information. In It officer at depprivacyofficer It was not be seen as the seen	quirements, includir f you have any ques	ig Freedom of Information	on Act requests. Our o	they will Delegon	22915015
DEF 3 CITIES FINAL	y officer at acphilyacyonicer w				-44	- MAKECITAN

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

Date of Notice:	4/17/2015	Date Permit App	lication Filad:	4/27/2015	
	4/17/2015	Date Permit App	ilcation Filed:		
Delivery metho	d pursuant to West Virginia Cod	e § 22-6A-16(b)		4709	E -
	F HAND DELIVERY	CERTIF RECEI	FIED MAIL RETURN PT REQUESTED		502257
eceipt requeste drilling a horizon of this subsection subsection may	Va. Code § 22-6A-16(b), at least to be don hand delivery, give the surfact of the surfact well: Provided, That notice go as of the date the notice was possible waived in writing by the surfact facsimile number and electronic	ace owner notice of it iven pursuant to subs provided to the surfac- ice owner. The notice	ts intent to enter upon the section (a), section ten of the se owner: Provided, howev e, if required, shall include t	perator shall, by certified is surface owner's land for the sis article satisfies the reque er, That the notice require the name, address, telepho	mail return he purpose of virements ments of this one number,
	provided to the SURFACE OWN	IER(s):	/		/
Name:		Louis Jackubowski Jr	Name:		Mary Jane Ross
Address:		1922 Robindale Ave	Address:	LOW WILLIAM	904 Truce Road
		Lancaster PA 17601		Holi	twood PA 17532
		McElroy	Public F	oad Access:	60/2
Quadrangle:	Morrison Run of McElroy Cr	Shirley	Generally used	farm name:	Vivian J Wells et al
Quadrangle: Vatershed: This Notice Sha Pursuant to We acsimile numbe elated to horiz	II Include: st Virginia Code § 22-6A-16(b), the er and electronic mail address of ontal drilling may be obtained fro	Shirley eek sis notice shall include the operator and the om the Secretary, at t	e the name, address, telepl operator's authorized rep he WV Department of Envi	one number, and if availa esentative. Additional info ronmental Protection head	ble, ormation dquarters,
Quadrangle: Vatershed: Pursuant to We acsimile numbre elated to horize ocated at 601 5	II Include: st Virginia Code § 22-6A-16(b), the er and electronic mail address of ontal drilling may be obtained fro 17th Street, SE, Charleston, WV 2	Shirley eek sis notice shall include the operator and the om the Secretary, at t	e the name, address, telepl operator's authorized rep he WV Department of Envi	one number, and if availa esentative. Additional info ronmental Protection head	ble, ormation dquarters,
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Quadrangle: Vatershed: This Notice Sha Pursuant to We acsimile numbi elated to horizi ocated at 601 5 Notice is hereb Well Operator: Address: Gelephone:	Il Include: st Virginia Code § 22-6A-16(b), the and electronic mail address of contal drilling may be obtained from the Street, SE, Charleston, WV 2 given by: EQT Prod 115 Professional Plands	Shirley eek dis notice shall include the operator and the form the Secretary, at the 5304 (304-926-0450) uction Company ace, P.O Box 280 eport, WV 26330 304-848-0076 coark@eqt.com	e the name, address, telepi operator's authorized repi he WV Department of Envi or by visiting www.dep.wv Authorized Representative Address: Telephone: Email:	ione number, and if availa esentative. Additional info ronmental Protection hea gov/oil-and-gas/pages/de : 115	ble, prmation dquarters, fault.aspx Victoria Roar Professional Place, P.O Box 286 Bridgeport, WV 2633 304-848-0076 vroark@eqt.con
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perator	Well No.	

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

Notice Time Requi	rement: Notice shall be provide	ed at least TFN (10)	days prior to filing a per	mit application		
Date of Notice:	4/17/2015	Date Permit App		4/27/2015		
					47095	
Delivery method p	oursuant to West Virginia Code	§ 22-6A-16(b)			09 5	
and the first of the said	and the same of th				J	000
	_ HAND	CERTIE	TED MAIL BETUR	N		2 2 5
	DELIVERY	RECEI	FIED MAIL RETURI PT REQUESTED			
	1 7					
receipt requested of the control of this subsection a subsection and the control of the control	Code § 22-6A-16(b), at least te or hand delivery, give the surfar il well: Provided, That notice giv as of the date the notice was pr waived in writing by the surfac csimile number and electronic r	ce owner notice of it en pursuant to subs ovided to the surface e owner. The notice	ts intent to enter upon to section (a), section ten co se owner: Provided, how s, if required, shall include	the surface owner's la of this article satisfies vever, That the notice de the name, address,	nd for the purpose of the requirements requirements of this telephone number,	
Niestes is beauty o	ravided to the SUBSACS OWNS	:D/e).	7			1
Name:	rovided to the SURFACE OWNE	Susan Buzzard	Name:		Sharon Graeff	
Address:		21 Cherokee Road	Address:		3217 Eisenbrown Rd	
	Willo	w Street PA 17584	Address		Reading PA 19605	
State: County:		Tyler	UTM NAD 83	Northing		4360607.42 516268.7
District:		McElroy Shirley		lic Road Access:	Visit	in J Wells et al
Quadrangle:	Morrison Run of McElroy Cre		Generally u	ised farm name:	VIVIC	iii J Wells et al
Watershed: N	VIOLISON RUN OF MICEROLY CIE	CN				-
This Notice Shall I	nclude:					
	Virginia Code § 22-6A-16(b), thi			Company of the control of the contro		
	and electronic mail address of t					
	tal drilling may be obtained from					
located at 601 57t	h Street, SE, Charleston, WV 25	304 (304-926-0450)	or by visiting www.dep	.wv.gov/oil-and-gas/p	ages/default.aspx	
Notice is hereby g	ivan hv:					
Well Operator:		ction Company	Authorized Representa	itive:		Victoria Roar
Address:	115 Professional Pla		Address:		115 Professional P	
		oort, WV 26330	-			dgeport, WV 2633
Telephone:		304-848-0076	Telephone:			304-848-0076
Email:	vro	oark@egt.com	Email:		0~2	roark@eqt.con
Facsimile:		304-848-0041	Facsimile:		OFF	E 304-848-004
ACT - A CT - A CT					of (Oil and Gas
Oil and Gas Privac	* 1 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3				A 19-	- Id Gas
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	nal information may be disclose					-013
	with statutory or regulatory re				office Will/ I/ Denai	tment of
	ure your personal information. I y Officer at depprivacyofficer@		tions about our use or y	our personal informa	tion, please contact	unent of

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

	4/17/2015 Date Permit A	pplication Filed:	4/27/2015	47 (0 0	5	0 5	0	15
elivery method	pursuant to West Virginia Code § 22-6A-16(b)			4/	Ja	J	V	- 6.	J
	⊢ HAND DELIVERY □ CER REC	TIFIED MAIL RETURN EIPT REQUESTED							
	. Code § 22-6A-16(b), at least ten days prior to fi				-				
contract of the second	or hand delivery, give the surface owner notice of al well: Provided, That notice given pursuant to s					B			
	as of the date the notice was provided to the sur								
	e waived in writing by the surface owner. The no								
	csimile number and electronic mail address of th								
	A service of the serv								
	provided to the SURFACE OWNER(s):	/		A				1	
Name:	Virginia Hornberge			Anthony Jack	20.00	_	/		
Address: _	3415 River Road			535 Shaw	141	_			
	Reading PA 19605	-		Wilkes Barre	PA 1870)2			
tate:	WV	UTM NAD 83	Easting				4360 51	607.4 6268	_
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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 Reau	irement: Notice shall be provide	ded at least TEN (10) o	days prior to mine a perm	il application. 🗷 ≔	in the second se	
Date of Notice:	4/17/2015	Date Permit Appl		4/27/2015	0950225	7
Delivery method	pursuant to West Virginia Cod	e § 22-6A-16(b)			- 5	
	HAND DELIVERY	CERTIF	FIED MAIL RETURN PT REQUESTED			
	DELIVERT	NEGER	THEQUESTED			
receipt requested drilling a horizont: of this subsection subsection may be	a. Code § 22-6A-16(b), at least to or hand delivery, give the surful al well: Provided, That notice go as of the date the notice was pe waived in writing by the surfactionic number and electronic	ace owner notice of it given pursuant to subs provided to the surfac ace owner. The notice	ts intent to enter upon the section (a), section ten of se owner: Provided, howe s, if required, shall include	e surface owner's land this article satisfies the ver, That the notice requestion and the name, address, tele	for the purpose of requirements juirements of this ephone number,	
	provided to the SURFACE OWN				· · · · · ·	
Name:			Name:		Beverly A Chisdock	
A CONTRACTOR OF THE PARTY OF TH		rmond A Jackubowski				
Addrace.	1.1	22 Morth Dianner Ava	Address.		713 Lohigh Stroot	
Notice is hereby ខ្ Pursuant to West	Si ven: Virginia Code § 22-6A-16(b), n				213 Lehigh Street Avoca PA 18641 to enter upon	
Notice is hereby ខ្ Pursuant to West	Si given:	navertown PA 18708 otice is hereby given t ing a horizontal well o	that the undersigned wel	ows:	Avoca PA 18641 to enter upon	
Notice is hereby g Pursuant to West the surface owner	Si ven: Virginia Code § 22-6A-16(b), n	navertown PA 18708 otice is hereby given to the second of	that the undersigned wel	ows: Easting	Avoca PA 18641 to enter upon 436060	
Notice is hereby g Pursuant to West the surface owner State: County:	Si ven: Virginia Code § 22-6A-16(b), n	otice is hereby given t ing a horizontal well o WV Tyler	that the undersigned well on the tract of land as follows: UTM NAD 83	Easting	Avoca PA 18641 to enter upon 436060 5162	68.7
the surface owner State: County: District:	Si ven: Virginia Code § 22-6A-16(b), n	otice is hereby given t ing a horizontal well o WV Tyler McElroy	that the undersigned well on the tract of land as follow UTM NAD 83	Easting	Avoca PA 18641 to enter upon 436060 5162	68.7 60/2
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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.

07/24/2015

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

Date of Notice:	uirement: Notice shall be provided at 4/17/2015 D	ate Permit App	20 (Tible 10.5,) - 10 (Tible 10.5)	4/27/201	5								
Delivery method	pursuant to West Virginia Code § 22	-6A-16(b)			/ -								
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	HAND DELIVERY	CERTIF RECEI	FIED MAIL RETUR PT REQUESTED	RN				*		1	4)	1
receipt requested drilling a horizont of this subsection	a. Code § 22-6A-16(b), at least ten da d or hand delivery, give the surface ov tal well: Provided, That notice given p n as of the date the notice was provid	wner notice of i oursuant to subseed to the surface	ts intent to enter upon section (a), section ten ce owner: Provided, ho	the surface owner's of this article satisfi wever, That the not	s land for the es the require	ne pu iirem ment	rpos ents s of t	e of this					
	be waived in writing by the surface ow acsimile number and electronic mail a						umb	er,					
										1			
	provided to the SURFACE OWNER(s)									/			
Name:		thia Kryzwicki	Name:			-	Irea S		-				
Address:		3 Nicholson St	Address:			2-2 Ea	100	200	-				
	Wilkes-Ba	arre PA 18702			Plyn	nouth	PA :	1865	_				
State:		wv	UTM NAD 83	Easting					4 (436	0607	7.42	
County: District: Quadrangle:		WV Tyler 1cElroy Shirley	Pu	Easting				Viv		5	1626	58.7 50/2	
State: County: District: Quadrangle: Watershed:		Tyler 1cElroy	Pu	Northing				Viv		5	1626 6	58.7 50/2	
County: District: Quadrangle:	Morrison Run of McElroy Creek	Tyler 1cElroy	Pu	Northing				Viv		5	1626 6	58.7 50/2	
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County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West facsimile number related to horizor located at 601 57 Notice is hereby Well Operator:	Morrison Run of McElroy Creek Include: t Virginia Code § 22-6A-16(b), this not r and electronic mail address of the op ntal drilling may be obtained from the 7th Street, SE, Charleston, WV 25304 given by: EQT Productio	Tyler IcElroy Shirley tice shall include perator and the estarty, at to (304-926-0450) In Company	Pu Generally e the name, address, to e operator's authorized the WV Department of or by visiting www.de	Northing blic Road Access: used farm name: elephone number, a representative. Add Environmental Prot p.wv.gov/oil-and-ga	ditional info ection head s/pages/de	ormat Iquar fault.	ters,		rian	5 J W	1626 6 eells 6	58.7 50/2 et al	
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County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West facsimile number related to horizo located at 601 57 Notice is hereby Well Operator: Address:	Morrison Run of McElroy Creek Include: t Virginia Code § 22-6A-16(b), this not r and electronic mail address of the or ntal drilling may be obtained from the 7th Street, SE, Charleston, WV 25304 if given by: EQT Productio 115 Professional Place, F Bridgeport,	Tyler IcElroy Shirley tice shall include perator and the estarty, at to (304-926-0450) In Company	Pu Generally e the name, address, to e operator's authorized the WV Department of or by visiting www.de	Northing blic Road Access: used farm name: elephone number, a representative. Add Environmental Prot p.wv.gov/oil-and-ga	ditional info ection head s/pages/de	ormat Iquar fault.	ters,	nal	rian	Vicce, I	1626 6 eells 6	58.7 50/2 et al a R Box	28 633
County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West facsimile number related to horizo located at 601 57 Notice is hereby Well Operator: Address: Telephone:	Morrison Run of McElroy Creek Include: t Virginia Code § 22-6A-16(b), this not r and electronic mail address of the or ntal drilling may be obtained from the 7th Street, SE, Charleston, WV 25304 given by: EQT Productio 115 Professional Place, F Bridgeport,	Tyler IcElroy Shirley Shirley Shirley	Pu Generally e the name, address, to e operator's authorized the WV Department of or by visiting www.de Authorized Represent Address:	Northing blic Road Access: used farm name: elephone number, a representative. Add Environmental Prot p.wv.gov/oil-and-ga	ditional info ection head s/pages/de	ormat Iquar fault.	ters, aspx	nal	Pla	Vic ce, I	1626 6 ells c	58.7 50/2 et al Box VV 2 48-0	28 633 007
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County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West facsimile number related to horizor located at 601 57 Notice is hereby Well Operator: Address: Telephone: Email: Facsimile:	Morrison Run of McElroy Creek Include: t Virginia Code § 22-6A-16(b), this not r and electronic mail address of the or ntal drilling may be obtained from the 7th Street, SE, Charleston, WV 25304 given by: EQT Productio 115 Professional Place, F Bridgeport, 3 Vroark 30	Tyler IcElroy Shirley tice shall include perator and the e Secretary, at t (304-926-0450) In Company O.O Box 280 WV 26330 04-848-0076 @eqt.com	Pu Generally e the name, address, to e operator's authorized the WV Department of or by visiting www.de Authorized Represent Address:	Northing blic Road Access: used farm name: elephone number, a representative. Add Environmental Prot p.wv.gov/oil-and-ga	ditional info ection head s/pages/de	ormat Iquar fault. Profe	essio	onal B	Pla Pla Vrc	Vic ce, I gepo 30	ttorii P.O rt, W	68.7 60/2 et al a R Box VV 2 48-C	28 633 007 cor
County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West facsimile number related to horizor located at 601 57 Notice is hereby Well Operator: Address: Telephone: Email: Facsimile: Oil and Gas Priva	Morrison Run of McElroy Creek Include: t Virginia Code § 22-6A-16(b), this not r and electronic mail address of the o intal drilling may be obtained from the 7th Street, SE, Charleston, WV 25304 given by: EQT Productio 115 Professional Place, F Bridgeport, 3 Vroark 30 acy Notice:	Tyler IcElroy Shirley tice shall include perator and the e Secretary, at t (304-926-0450) n Company O.O Box 280 , WV 26330 04-848-0076 @eqt.com 4-848-0041	e the name, address, to operator's authorized the WV Department of or by visiting www.de Authorized Represent Address: Telephone: Email: Facsimile:	Northing blic Road Access: used farm name: elephone number, a representative. Add Environmental Prot p.wv.gov/oil-and-ga	ditional info ection head s/pages/de	ormat dquar fault. Profe	essic	onal BR S	Pla Pla Vrc	Vic ce, I gepo 30	1626 6 ells o	a R Box VV 2 48-(28 633 007 cor
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County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West facsimile number related to horizor located at 601 57 Notice is hereby Well Operator: Address: Telephone: Email: Facsimile: Oil and Gas Priva	Morrison Run of McElroy Creek Include: t Virginia Code § 22-6A-16(b), this not r and electronic mail address of the o ntal drilling may be obtained from the 7th Street, SE, Charleston, WV 25304 i given by: EQT Productio 115 Professional Place, F Bridgeport, 3 Vroark 30 acy Notice: and Gas processes your personal info	Tyler IcElroy Shirley tice shall include perator and the e Secretary, at t (304-926-0450) n Company P.O Box 280 , WV 26330 04-848-0076 @eqt.com 4-848-0041	Pu Generally e the name, address, to operator's authorized the WV Department of or by visiting www.de Authorized Represent Address: Telephone: Email: Facsimile:	Northing blic Road Access: used farm name: elephone number, a representative. Add Environmental Prot p.wv.gov/oil-and-gatative:	ditional info ection head s/pages/de	ormat dquar fault.	essic AP	onal B	Pla ridg	Vicce, I sepo 30	ttorii P.O rt, W	68.7 60/2 et al Box VV 2 48-0 eqt.	28 63 007 004
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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.

ursuant to W. Va. Code eceipt requested or had rilling a horizontal well f this subsection as of t ubsection may be waiv	e § 22-6A-16(b), at least ten days prior to filing delivery, give the surface owner notice of the surface pursuant to suther the surface the notice was provided to the surface owner. The notice was provided to the surface owner.	f its intent to enter upon the obsection (a), section ten of t face owner: Provided, howe	operator shall, by ce e surface owner's lar this article satisfies t	rtified mail retu	
eceipt requested or hai Irilling a horizontal well If this subsection as of t ubsection may be waiv	e § 22-6A-16(b), at least ten days prior to filing delivery, give the surface owner notice of the surface pursuant to suther the surface the notice was provided to the surface owner. The notice was provided to the surface owner.	ing a permit application, and f its intent to enter upon the obsection (a), section ten of t face owner: Provided, howe	operator shall, by ce e surface owner's lar this article satisfies t	rtified mail retu	ırn
eceipt requested or hai frilling a horizontal well of this subsection as of t ubsection may be waiv	nd delivery, give the surface owner notice o l: Provided, That notice given pursuant to su the date the notice was provided to the sur ed in writing by the surface owner. The not	f its intent to enter upon the obsection (a), section ten of t face owner: Provided, howe	e surface owner's lar his article satisfies t	nd for the purpo	
	e number and electronic mail address of the			telephone num	ts f this
Notice is hereby provid Name:	ed to the SURFACE OWNER(s):	Name:		John Pa	ul Davie
Address:	Lisa Wesolowski			45 Crystal Lal	
Address.	254 Lampman Street Avoca PA 18641	Address.		West Union WV	
tate:	WV	UTM NAD 83	Easting		4360607.42
ounty:	Tyler	W-CW-	Northing		516268.7
District:	McElroy	Public			
	Chielau		Road Access:		60/2
Quadrangle: Watershed: Morri	Shirley son Run of McElroy Creek	Generally use			
Watershed: Morri This Notice Shall Includ Pursuant to West Virgin facsimile number and e related to horizontal dr	son Run of McElroy Creek	Generally use ude the name, address, telep he operator's authorized rep at the WV Department of Env	d farm name: phone number, and i presentative. Addition	nal information on headquarte	60/2 Vivian J Wells et al
Natershed: Morri This Notice Shall Include Pursuant to West Virgin facsimile number and e related to horizontal dr ocated at 601 57th Streen	son Run of McElroy Creek le: lia Code § 22-6A-16(b), this notice shall include the control of the operator and the company be obtained from the Secretary, a leet, SE, Charleston, WV 25304 (304-926-045) by:	Generally use ude the name, address, telep the operator's authorized rep at the WV Department of Env (0) or by visiting www.dep.w	ohone number, and i presentative. Additio vironmental Protecti v.gov/oil-and-gas/pa	nal information on headquarte	60/2 Vivian J Wells et al
Watershed: Morri This Notice Shall Includ Pursuant to West Virgin facsimile number and e related to horizontal dr ocated at 601 57th Stre Notice is hereby given	son Run of McElroy Creek le: lia Code § 22-6A-16(b), this notice shall include the control of the operator and the company be obtained from the Secretary, a seet, SE, Charleston, WV 25304 (304-926-045) by: EQT Production Company	Generally use ude the name, address, telep the operator's authorized report the WV Department of Envisor) or by visiting www.dep.w	ohone number, and i presentative. Additio vironmental Protecti v.gov/oil-and-gas/pa	nal information on headquarte ages/default.as	60/2 Vivian J Wells et al
Natershed: Morri This Notice Shall Includ Pursuant to West Virgin facsimile number and e related to horizontal dr located at 601 57th Stree Notice is hereby given Well Operator:	son Run of McElroy Creek le: nia Code § 22-6A-16(b), this notice shall include lectronic mail address of the operator and tilling may be obtained from the Secretary, a neet, SE, Charleston, WV 25304 (304-926-045) by: EQT Production Company 115 Professional Place, P.O Box 280	Generally use ude the name, address, telep the operator's authorized rep at the WV Department of Env (0) or by visiting www.dep.w	ohone number, and i presentative. Additio vironmental Protecti v.gov/oil-and-gas/pa	nal information on headquarte ages/default.as	60/2 Vivian J Wells et al n rs, px Victoria R iional Place, P.O Box
Natershed: Morri This Notice Shall Includ Pursuant to West Virgin facsimile number and e related to horizontal dr ocated at 601 57th Stree Notice is hereby given Nell Operator: Address:	son Run of McElroy Creek le: nia Code § 22-6A-16(b), this notice shall include lectronic mail address of the operator and tilling may be obtained from the Secretary, aget, SE, Charleston, WV 25304 (304-926-045) by: EQT Production Company 115 Professional Place, P.O Box 280 Bridgeport, WV 26330	Generally use ude the name, address, telep the operator's authorized rep t the WV Department of Env to) or by visiting www.dep.w Authorized Representativ Address:	ohone number, and i presentative. Additio vironmental Protecti v.gov/oil-and-gas/pa	nal information on headquarte ages/default.as	60/2 Vivian J Wells et al rs, px Victoria R sional Place, P.O Box Bridgeport, WV 2
Watershed: Morri This Notice Shall Includ Pursuant to West Virgin facsimile number and e related to horizontal dr	son Run of McElroy Creek le: nia Code § 22-6A-16(b), this notice shall include lectronic mail address of the operator and tilling may be obtained from the Secretary, a neet, SE, Charleston, WV 25304 (304-926-045) by: EQT Production Company 115 Professional Place, P.O Box 280	Generally use ude the name, address, telep the operator's authorized rep to the WV Department of Env to) or by visiting www.dep.w Authorized Representativ Address:	ohone number, and i presentative. Additio vironmental Protecti v.gov/oil-and-gas/pa	nal information on headquarte ages/default.as	60/2 Vivian J Wells et al n rs, px Victoria R iional Place, P.O Box

duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will

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

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

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

	equirement: Notice shall be prov		사람이들에 하고, 얼마나 하나 하나 하나 하다.	mit application.		7
Date of Notice	4/17/2015	Date Permit App	ication Filed:	4/27/2015	050	2251
Delivery meth	od pursuant to West Virginia Co	de § 22-6A-16(b)		, l	470950	
	HAND	CERTIE	FIED MAIL RETURN	j		
	DELIVERY	RECEI	FIED MAIL RETURN PT REQUESTED			
receipt reques drilling a horiz of this subsect subsection ma	. Va. Code § 22-6A-16(b), at least ted or hand delivery, give the su ontal well: Provided, That notice ion as of the date the notice was y be waived in writing by the sur e, facsimile number and electron	rface owner notice of it given pursuant to subs provided to the surfac face owner. The notice	ts intent to enter upon the section (a), section ten of se owner: Provided, how s, if required, shall includ	he surface owner's lar f this article satisfies t ever, That the notice le the name, address,	nd for the purpose of he requirements requirements of this telephone number,	
Notice is here	by provided to the SURFACE OW	/NER(s):				1
Name: _		Richard E Hansen	Name:		Joyce K Hill	
Address:	4	1043 Low Gap Road	Address:		88 Arvilla Road	
		Wilburn WV 26459	-		Bens Run WV 26146	
County: District: Quadrangle:		Tyler McElroy Shirley		Northingic Road Access: sed farm name:	Vivia	516268.7 60/2 n J Wells et al
Watershed:	Morrison Run of McElroy (75.0004 5	-		
facsimile num related to hor	nall Include: l'est Virginia Code § 22-6A-16(b), ber and electronic mail address o izontal drilling may be obtained f . 57th Street, SE, Charleston, WV	of the operator and the from the Secretary, at t	operator's authorized re he WV Department of Er	epresentative. Additio nvironmental Protecti	onal information on headquarters,	
Notice is here		V-10-10-10-10-10-10-10-10-10-10-10-10-10-				100 5 20 5 20
Well Operator:		duction Company	Authorized Representat	tive:	115 Professional Pl	Victoria Roark
Address:		Place, P.O Box 280 geport, WV 26330	Address:			Igeport, WV 26330
elephone:	Dilu	304-848-0076	Telephone:		Dire	304-848-0076
mail:		vroark@egt.com	Émail:		RECE	roark@eqt.com
acsimile:		304-848-0041	Facsimile:		Office of Oil	304-848-0041 and Gas
Oil and Gas P	rivacy Notice:				APPOR	
The Office of	Oil and Gas processes your perso	nal information, such a	s name, address and tele	ephone number, as pa	art of our regulatory	2015
duties. Your p	Dil and Gas processes your perso ersonal information may be discl apply with statutory or regulatory secure your personal information	osed to other State age	encies or third parties in	the normal course of	business or as	
needed to cor	mply with statutory or regulatory	requirements, includir	ng Freedom of Informatio	on Act requests. Our c	ffice will Departn	Tent of
appropriately	nply with statutory or regulatory secure your personal informatio ivacy Officer at depprivacyoffice	n. If you have any ques	tions about our use or yo	our personal informat	ion, please dentatal F	rotection
our office Pr	and other or achburgetonice	- · · · · · · · · · · · · · · · · · · ·				07/24/20

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

	4/17/2015 Date Permit App	illation riled.	27/2015
Delivery method	pursuant to West Virginia Code § 22-6A-16(b)		4709502257
	HAND CERTIF	FIED MAIL RETURN PT REQUESTED	
receipt requested drilling a horizont of this subsection subsection may b and if available, f	a. Code § 22-6A-16(b), at least ten days prior to filing or hand delivery, give the surface owner notice of it all well: Provided, That notice given pursuant to substitute as of the date the notice was provided to the surface waived in writing by the surface owner. The notice acsimile number and electronic mail address of the coprovided to the SURFACE OWNER(s): Terry J Cumberledge 1384 Pratts Run Road Alma WV 26320	ts intent to enter upon the surface section (a), section ten of this article ce owner: Provided, however, That e, if required, shall include the name	owner's land for the purpose of e satisfies the requirements the notice requirements of this e, address, telephone number,
Pursuant to West	Virginia Code § 22-6A-16(b), notice is hereby given	시크 전에 가장하는데요. 열심을 통해 먹으니다 함께 살아서 보다.	has an intent to enter upon
ne surrace owne	r's land for the purpose of drilling a horizontal well o	in the tract of land as follows:	
tate:	wv	LITAM NAD 82 East	ing 4360607.42
County:	Tyler	UTM NAD 83 North	ing 516268.7
District:	McElroy	Public Road Acce	ss: 60/2
Quadrangle:	Shirley	Generally used farm nar	ne: Vivian J Wells et al
	Include: Virginia Code § 22-6A-16(b), this notice shall include and electronic mail address of the operator and the		
elated to horizor	ntal drilling may be obtained from the Secretary, at t th Street, SE, Charleston, WV 25304 (304-926-0450)	he WV Department of Environment	tal Protection headquarters,
Vell Operator:	EQT Production Company	Authorized Representative:	Victoria Roar
ALC: U	115 Professional Place, P.O Box 280	Address:	115 Professional Place, P.O Box 280
ddress:			
ddress:	Bridgeport, WV 26330		Bridgeport, WV 2633
		Telephone:	
elephone:	Bridgeport, WV 26330	Telephone:	Bridgeport, WV 2633 304-848-0076 BECvroark@eqt.com
elephone:	Bridgeport, WV 26330 304-848-0076		304-848-0076
elephone: mail: acsimile:	Bridgeport, WV 26330 304-848-0076 <u>vroark@eqt.com</u> 304-848-0041	Email:	304-848-007
elephone: mail: acsimile:	Bridgeport, WV 26330 304-848-0076 vroark@eqt.com 304-848-0041 ccy Notice:	Email: Facsimile:	304-848-0076 RECyroark@eqt.com Office of Oil and Gas
Telephone: Email: Facsimile: Dil and Gas Priva	Bridgeport, WV 26330 304-848-0076 vroark@eqt.com 304-848-0041 ccy Notice: and Gas processes your personal information, such a	Email: Facsimile: s name, address and telephone nu	304-848-007 RECyroark@eqt.com Office of Oil and Gas APP 7 2015
	Bridgeport, WV 26330 304-848-0076 vroark@eqt.com 304-848-0041 ccy Notice: and Gas processes your personal information, such a	Email: Facsimile: s name, address and telephone nu	304-848-007 RECyroark@eqt.com Office of Oil and Gas APP 7 2015
Telephone: Email: Facsimile: Dil and Gas Priva	Bridgeport, WV 26330 304-848-0076 vroark@eqt.com 304-848-0041 ccy Notice: and Gas processes your personal information, such a	Email: Facsimile: s name, address and telephone nu	304-848-007 REC proark@eqt.com Office of Oil and Gas APP 7 2015
Telephone:	Bridgeport, WV 26330 304-848-0076 vroark@eqt.com 304-848-0041 ccy Notice: and Gas processes your personal information, such a	Email: Facsimile: s name, address and telephone nu	304-848-007 REC vroark@eqt.cor Office of Oil and Gas APP 7 2015
elephone: imail: facsimile: Dil and Gas Priva the Office of Oil a	Bridgeport, WV 26330 304-848-0076 vroark@eqt.com 304-848-0041 ccy Notice: and Gas processes your personal information, such a	Email: Facsimile: s name, address and telephone nu	304-848-007 RECyroark@eqt.com Office of Oil and Gas APP 7 2015

Operator Well No.	514460

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.

Date of Notice:	. 4/17/2015 Date Permit Ap	oplication Filed:	4/27/2015	
Delivery metho	od pursuant to West Virginia Code § 22-6A-16(b)			
	☐ HAND ☐ CERT ☐ RECE	TFIED MAIL RETURN EIPT REQUESTED	-00F	02257
eceipt request drilling a horizo of this subsection subsection may	Va. Code § 22-6A-16(b), at least ten days prior to fili sed or hand delivery, give the surface owner notice of ontal well: Provided, That notice given pursuant to su on as of the date the notice was provided to the surf of be waived in writing by the surface owner. The notice, facsimile number and electronic mail address of the	fits intent to enter upon the bsection (a), section ten of ace owner: Provided, howe ce, If required, shall include	operator shall, by certi e surface owner's land this article satisfies the ver, That the notice red the name, address, te	fied mail return for the purpose of requirements quirements of this lephone number,
Notice is hereb	y provided to the SURFACE OWNER(s):			
Name:	Donald E Bible Sr	Name:		Susan L Spencer
Address:	2400 Millarton ST SE	Address:		HC 74 box 98
				AND
Pursuant to We	Canton OH 44707 by given: est Virginia Code § 22-6A-16(b), notice is hereby given ner's land for the purpose of drilling a horizontal wel			Alma WV 26320
Pursuant to We the surface own State:	by given: est Virginia Code § 22-6A-16(b), notice is hereby give ner's land for the purpose of drilling a horizontal wel WV		ows: Easting	to enter upon 4360607.42
Pursuant to We the surface own State: County:	ey given: est Virginia Code § 22-6A-16(b), notice is hereby given ner's land for the purpose of drilling a horizontal wel WV Tyler	l on the tract of land as folk	Easting	4360607.42 516268.7
Pursuant to We the surface own State: County: District:	est Virginia Code § 22-6A-16(b), notice is hereby given ner's land for the purpose of drilling a horizontal wel WV Tyler McElroy	l on the tract of land as folloud as follows: UTM NAD 83 Public	EastingNorthing	4360607.42 516268.7 60/2
	ey given: est Virginia Code § 22-6A-16(b), notice is hereby given ner's land for the purpose of drilling a horizontal wel WV Tyler	l on the tract of land as folloud as follows: UTM NAD 83 Public	Easting	4360607.42 516268.7
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice Sha Pursuant to We facsimile numb	by given: est Virginia Code § 22-6A-16(b), notice is hereby givener's land for the purpose of drilling a horizontal welender's land for the purpose of drilling a horizontal welender's land for the purpose of drilling a horizontal welender's land for the purpose of drilling a horizontal welender's land for the purpose of drilling a horizontal wellow. WV Tyler McElroy Shirley Morrison Run of McElroy Creek	UTM NAD 83 Public Generally use de the name, address, telep ne operator's authorized rep t the WV Department of En-	Easting	4360607.42 516268.7 60/2 Vivian J Wells et al
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice Sha Pursuant to We facsimile numb related to horiz located at 601	by given: est Virginia Code § 22-6A-16(b), notice is hereby givener's land for the purpose of drilling a horizontal wel WV Tyler McElroy Shirley Morrison Run of McElroy Creek all Include: est Virginia Code § 22-6A-16(b), this notice shall includer and electronic mail address of the operator and the contal drilling may be obtained from the Secretary, at 57th Street, SE, Charleston, WV 25304 (304-926-045)	UTM NAD 83 Public Generally use de the name, address, telep ne operator's authorized rep t the WV Department of En-	Easting	4360607.42 516268.7 60/2 Vivian J Wells et al
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice Sha Pursuant to We facsimile numb related to horiz located at 601	by given: est Virginia Code § 22-6A-16(b), notice is hereby givener's land for the purpose of drilling a horizontal well WV Tyler McElroy Shirley Morrison Run of McElroy Creek est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(b), this notice shall include and electronic mail address of the operator and the contal drilling may be obtained from the Secretary, at 57th Street, SE, Charleston, WV 25304 (304-926-045) by given by: EQT Production Company	UTM NAD 83 Public Generally use de the name, address, telep ne operator's authorized rep t the WV Department of En-	Easting	4360607.42 516268.7 60/2 Vivian J Wells et al
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice Sha Pursuant to We facsimile numb related to horiz located at 601: Notice is hereb Well Operator:	by given: est Virginia Code § 22-6A-16(b), notice is hereby givener's land for the purpose of drilling a horizontal well WV Tyler McElroy Shirley Morrison Run of McElroy Creek all Include: est Virginia Code § 22-6A-16(b), this notice shall include and electronic mail address of the operator and the contal drilling may be obtained from the Secretary, at 57th Street, SE, Charleston, WV 25304 (304-926-045) by given by: EQT Production Company 115 Professional Place, P.O Box 280	UTM NAD 83 Public Generally use de the name, address, telephe operator's authorized rept the WV Department of Enton or by visiting www.dep.w	Easting	4360607.42 516268.7 60/2 Vivian J Wells et al
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice Sha Pursuant to We facsimile numb related to horiz located at 601: Notice is hereb Well Operator:	by given: est Virginia Code § 22-6A-16(b), notice is hereby givener's land for the purpose of drilling a horizontal well WV Tyler McElroy Shirley Morrison Run of McElroy Creek all Include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(b), the operator and the contal drilling may be obtained from the Secretary, at 57th Street, SE, Charleston, WV 25304 (304-926-045) by given by: EQT Production Company 115 Professional Place, P.O Box 280 Bridgeport, WV 26330	UTM NAD 83 Public Generally use de the name, address, telephe operator's authorized rept the WV Department of Env O) or by visiting www.dep.w	Easting	4360607.42 516268.7 60/2 Vivian J Wells et al vailable, al information headquarters, es/default.aspx Victoria Ro. 115 Professional Place, P.O Box 2 Bridgeport, WV 26
Pursuant to We the surface own to we facsimile numberelated to horize located at 601 to the surface own the su	by given: est Virginia Code § 22-6A-16(b), notice is hereby givener's land for the purpose of drilling a horizontal well WV Tyler McElroy Shirley Morrison Run of McElroy Creek all Include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(b), the operator and the contal drilling may be obtained from the Secretary, at 57th Street, SE, Charleston, WV 25304 (304-926-045) by given by: EQT Production Company 115 Professional Place, P.O Box 280 Bridgeport, WV 26330 304-848-0076	UTM NAD 83 Public Generally use de the name, address, telephe operator's authorized rept the WV Department of Env O) or by visiting www.dep.w	Easting	4360607.42 516268.7 60/2 Vivian J Wells et al vailable, al information headquarters, es/default.aspx Victoria Ro 115 Professional Place, P.O Box 2 Bridgeport, WV 26 304-848-00
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice Sha Pursuant to We facsimile numb related to horiz	by given: est Virginia Code § 22-6A-16(b), notice is hereby givener's land for the purpose of drilling a horizontal well WV Tyler McElroy Shirley Morrison Run of McElroy Creek all Include: est Virginia Code § 22-6A-16(b), this notice shall include: est Virginia Code § 22-6A-16(b), the operator and the contal drilling may be obtained from the Secretary, at 57th Street, SE, Charleston, WV 25304 (304-926-045) by given by: EQT Production Company 115 Professional Place, P.O Box 280 Bridgeport, WV 26330	UTM NAD 83 Public Generally use de the name, address, telepte operator's authorized repte the WV Department of Engl) or by visiting www.dep.w Authorized Representative Address:	Easting	4360607.42 516268.7 60/2 Vivian J Wells et al vailable, al information headquarters, es/default.aspx Victoria Ro. 115 Professional Place, P.O Box 2 Bridgeport, WV 26

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.

WW-6A5
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U	nei	all))	V V	en	110

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE OF PLANNED OPERATION

Date of Notice	"[[하다 하다 뭐 하다. 하루 하다 하고 그리고 하다 하다. 이 사람이 하다 하다 하다 하다 하다 되었다.	ate Permit Appl	date of permit a	Market Committee		
Delivery meth	APR 2 7 2015 od pursuant to West Virginia Code § 22-6A-		ication rilea.	- APR	2 7 2015	
		5.45			3 1 (11.5)	
Control of the Contro	FIED MAIL HAN DELI	VERY				
return receipt re the planned ope required to be p drilling of a horiz damages to the	(a. Code § 22-6A-16(c), no later than the date for quested or hand delivery, give the surface owner ration. The notice required by this subsection sharovided by subsection (b), section ten of this artice contal well; and (3) A proposed surface use and contal well; and (3) a proposed surface use and contal well; and (3) and gas operations to the equired by this section shall be given to the surface	whose land will be all include: (1) A colude: (2) A colude to a surface ow ompensation agreement the damage	e used for the dril py of this code se ner whose land w ement containing es are compensabl	ling of a horizonta ction; (2) The info ill be used in conju an offer of compe e under article six	al well notice of rmation unction with the ensation for c-b of this chapter.	
Notice is hereby	provided to the SURFACE OWNER(s)					
(at the address li	sted in the records of the sheriff at the time of no	otice):				
Name:	Vivian Janice	Wells Name:			George B	irklein
Address:	946 1814 Oil Ridge	A STATE OF THE PARTY OF T	SS:		121 Ox	ford St
	Sistersville WV	26175			Sistersville WV	26175
County: District:	Tyler McElroy Shirley	Public Road Acc Generally used	and the second second		516,268.7 Vivian J Wel	60/2
Quadrangle:	Juney	delicitally asca	iai iii iiai iie.		VIVIAIT J VVCI	is et al
Quadrangle: Watershed:	Morrison Run of McElroy Creek	deficially used	aim name.		VIVIAIT J VVEI	is et al
Watershed: This Notice Shal Pursuant to Wes to be provided b horizontal well; surface affected information rela	Morrison Run of McElroy Creek I Include: It Virginia Code § 22-6A-16(c), this notice shall include: If W. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the dama ted to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253	clude: (1)A copy of whose land will be n agreement conta ges are compensa ne Secretary, at th	this code section, used in conjuncti aining an offer of o ble under article s e WV Department	on with the drillin compensation for ix-b of this chapte t of Environmenta	ion required ag of a damages to the 5 er. Additional	7
Watershed: This Notice Shal Pursuant to Wes to be provided b horizontal well; surface affected information rela headquarters, lo	Morrison Run of McElroy Creek I Include: It Virginia Code § 22-6A-16(c), this notice shall include: If W. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the dama ted to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253	clude: (1)A copy of whose land will be n agreement conta ges are compensa ne Secretary, at th 04 (304-926-0450 Address:	this code section, used in conjunction sining an offer of of ble under article se WV Department) or by visiting www.	on with the drillin compensation for ix-b of this chapte t of Environmenta	on required g of a dandages to the gr. Additional I Protection -and-gas/	7
Watershed: This Notice Shal Pursuant to Wes to be provided b horizontal well; surface affected information rela headquarters, lo pages/default.as Well Operator:	Morrison Run of McElroy Creek I Include: It Virginia Code § 22-6A-16(c), this notice shall include: Include: It Virginia Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the dama ted to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253 spx. EQT Production Company 304-848-0082	clude: (1)A copy of whose land will be n agreement conta ges are compensa ne Secretary, at th 04 (304-926-0450 Address: Bridgeport,	this code section, sused in conjunctioning an offer of oble under article set WV Department or by visiting www	og with the drillin compensation for ix-b of this chapte of Environmenta w.dep.wv.gov/oil	on required g of a dandages to the gr. Additional I Protection -and-gas/	7
Watershed: This Notice Shal Pursuant to Wes to be provided b horizontal well; surface affected information rela headquarters, lo pages/default.as Well Operator: Telephone:	Morrison Run of McElroy Creek I Include: It Virginia Code § 22-6A-16(c), this notice shall include: If W. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the dama ted to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253 spx. EQT Production Company	clude: (1)A copy of whose land will be a agreement contages are compensate Secretary, at the O4 (304-926-0450 Address: Bridgeport,	this code section, sused in conjunctioning an offer of oble under articles with the work of the work o	og with the drilling compensation for this chapte of Environmenta www.gov/oil	ion required g of a damages to the er. Additional I Protection -and-gas/	7

WW-6A5	
(1/12)	

514460

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

NOTICE OF PLANNED OPERATION

Notice Time R Date of Notice	equirement: notice shall be provided no late	er than the	filing d	ate of permit appl	licad BnR 27 201	5
Delivery meth	od pursuant to West Virginia Code § 22-6A					
CERT	IFIED MAIL HAN					
return receipt re the planned ope required to be p drilling of a hori damages to the	Va. Code § 22-6A-16(c), no later than the date for equested or hand delivery, give the surface owne eration. The notice required by this subsection showided by subsection (b), section ten of this artizontal well; and (3) A proposed surface use and conference of the surface affected by oil and gas operations to the required by this section shall be given to the surface	r whose land all include: (cle to a surfa ompensatio extent the c	d will be (1) A cop ace own in agree damages	used for the drilling by of this code section er whose land will be ment containing and are compensable u	g of a horizontal well n on; (2) The information he used in conjunction offer of compensation nder article six-b of thi	otice of n with the for is chapter.
Notice is hereby	provided to the SURFACE OWNER(s)					
(at the address I	isted in the records of the sheriff at the time of n	otice):	/			
Name:	Albina	Pasko (Name:			Clifford Haug
Address:	18 Jer	nsen St	Address	:		3894 Cellar Ck Rd
	East Brunswick NJ	08816			, E	Blackstone VA 23824
State: County: District: Quadrangle: Watershed:	WV Tyler McElroy Shirley Morrison Run of McElroy Creek	Public Ro Generally	ad Acce	Easting: Northing: ss: rm name:		4,360,607.420000 516,268.700000 60/2 Vivian J Wells et al
to be provided to horizontal well; surface affected information rela	st Virginia Code § 22-6A-16(c), this notice shall in by W. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the dama ated to horizontal drilling may be obtained from to ocated at 601 57th Street, SE, Charleston, WV 253	whose land in agreemen ages are com he Secretary	will be nt contain npensab y, at the	used in conjunction ning an offer of com le under article six-b WV Department of	with the drilling of a npensation for damage of this chapter, Addic Environmental Protect	s to the ional / tion
Well Operator:	EQT Production Company	Addr	ess:	115 Professional Pla	ace, P.O. Box 280	
Telephone:	304-848-0082	Bridg	geport, \	VV 26330		
Email:	vroark@eqt.com	Facsi	mile:	304-848-0040		
Oil and Gas Priv The Office of Oil duties. Your per needed to comp appropriately se DEP's Chief Priv	vroark@eqt.com vacy Notice: I and Gas processes your personal information, su sonal information may be disclosed to other State only with statutory or regulatory requirements, incecure your personal information. If you have any accy Officer at depprivacyofficer@wv.gov.	uch as name e agencies c luding Freed questions ab	;, addres or third p dom of l bout our	s and telephone nui parties in the normal information Act requ use or your persona	ests. Our office will	MECEIVED of Oil and Gas gulatori and Gas 2 7 2015 contact partment of ntal Protection 07/24/2015

WW-6A5	
(1/12)	

514460

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

Date of Notice	equirement: notice shall be provided no late APR 9 7 2015 D	ate Permit Appl	cation Filed:	
Delivery metho	od pursuant to West Virginia Code § 22-6A-	16(c)		
	FIED MAIL HAN RN RECEIPT REQUESTED DELI	D VERY		
return receipt re the planned ope required to be pi drilling of a horiz damages to the s	a. Code § 22-6A-16(c), no later than the date for quested or hand delivery, give the surface owner ration. The notice required by this subsection sharovided by subsection (b), section ten of this articental well; and (3) A proposed surface use and contain the surface affected by oil and gas operations to the equired by this section shall be given to the surface	whose land will be all include: (1) A cooled to a surface own mpensation agreextent the damage	e used for the drilling o py of this code section; ner whose land will be t ement containing an off s are compensable und	f a horizontal well notice of (2) The information used in conjunction with the fer of compensation for er article six-b of this chapter.
Notice is hereby	provided to the SURFACE OWNER(s)	/		
(at the address li	sted in the records of the sheriff at the time of no	otice):		
Name:	Timothy M	Haug Name		Benjamin A Haug
		mang Manne		Bonjanimirinaug
Notice is hereby		eek Rd Addre 23824	is:	3890 Cellar Ck Rd Blackstone VA 23824
Notice is hereby Pursuant to Wes operation on the State: County:	Blackstone VA given: t Virginia Code § 22-6A-16(c), notice is hereby given: surface owner's land for the purpose of drilling a WV Tyler	ven that the under a horizontal well of UTM NAD 83	signed well overator ha n the tract of land as fo Easting: Northing:	3890 Cellar Ck Rd Blackstone VA 23824 as developed a planned 0 2 4,360,607.420000 516,268.700000
Notice is hereby Pursuant to Wes operation on the State: County: District:	given: t Virginia Code § 22-6A-16(c), notice is hereby given: surface owner's land for the purpose of drilling a WV Tyler McElroy	ven that the under a horizontal well of UTM NAD 83	signed well operator han the tract of land as fo Easting: Northing:	3890 Cellar Ck Rd Blackstone VA 23824 as developed a planned 6ws 4,360,607.420000 5516;268.700000 60/2
Notice is hereby Pursuant to Wes operation on the State: County: District: Quadrangle:	Blackstone VA given: t Virginia Code § 22-6A-16(c), notice is hereby given: surface owner's land for the purpose of drilling a WV Tyler	ven that the under a horizontal well of UTM NAD 83	signed well operator han the tract of land as fo Easting: Northing:	3890 Cellar Ck Rd Blackstone VA 23824 as developed a planned Wws 4,360,607.420000 516,268.700000
operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relat headquarters, lo	given: t Virginia Code § 22-6A-16(c), notice is hereby given: surface owner's land for the purpose of drilling a WV Tyler McElroy Shirley Morrison Run of McElroy Creek I Include: t Virginia Code § 22-6A-16(c), this notice shall include: t Virginia Code § 22-6A-10(b) to a surface owner was and (3) A proposed surface use and compensation by oil and gas operations to the extent the dama atted to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253	ven that the under a horizontal well of UTM NAD 83 Public Road Acc Generally used the compensation of the control of the cont	signed well operator han the tract of land as for Easting: Northing: ess: farm name: this code section; (2) The used in conjunction with the code and offer of competition and offer of competition and offer of competitions are title six-b of the world of the code with	3890 Cellar Ck Rd Blackstone VA 23824 as developed a planned 4,360,607.420000 516,268.700000 60/2 Vivian J Wells et al the information required the the drilling of a ensation for damages to the f this chapter. Additional vironmental Protection
Notice is hereby Pursuant to Wes operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relations	given: t Virginia Code § 22-6A-16(c), notice is hereby given: surface owner's land for the purpose of drilling a WV Tyler McElroy Shirley Morrison Run of McElroy Creek I Include: t Virginia Code § 22-6A-16(c), this notice shall include: t Virginia Code § 22-6A-10(b) to a surface owner was and (3) A proposed surface use and compensation by oil and gas operations to the extent the dama atted to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253	ven that the under a horizontal well of UTM NAD 83 Public Road Acc Generally used the compensation of the control of the cont	signed well operator han the tract of land as for Easting: Northing: ess: farm name: this code section; (2) The used in conjunction with the code and offer of competition and offer of competition and offer of competitions are title six-b of the world of the code with	3890 Cellar Ck Rd Blackstone VA 23824 as developed a planned 4,360,607.420000 516,268.700000 60/2 Vivian J Wells et al the information required the the drilling of a ensation for damages to the f this chapter. Additional vironmental Protection p.wv.gov/oil-and-gas/
Notice is hereby Pursuant to Wes operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Wes to be provided b horizontal well; a surface affected information relat headquarters, lo pages/default.as	given: t Virginia Code § 22-6A-16(c), notice is hereby given: surface owner's land for the purpose of drilling a WV Tyler McElroy Shirley Morrison Run of McElroy Creek I Include: t Virginia Code § 22-6A-16(c), this notice shall include: t Virginia Code § 22-6A-10(b) to a surface owner wand (3) A proposed surface use and compensation by oil and gas operations to the extent the dama, ted to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253 px.	ven that the under a horizontal well of UTM NAD 83 Public Road Acc Generally used clude: (1)A copy of whose land will be an agreement contiges are compensate Secretary, at the O4 (304-926-0450)	signed well operator han the tract of land as for Easting: Northing: ess: farm name: this code section; (2) The used in conjunction with ining an offer of competite under article six-b of the work Department of English or by visiting www.deg	3890 Cellar Ck Rd Blackstone VA 23824 as developed a planned 4,360,607.420000 516,268.700000 60/2 Vivian J Wells et al the information required the the drilling of a ensation for damages to the f this chapter. Additional vironmental Protection p.wv.gov/oil-and-gas/

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.

WW-6A5	
(1/12)	

514460

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

Notice T Date of I		NOTICE OF PL quirement: notice shall be provided no late APR 2 7 2015 D	r than th	e filing		APR 2 7 2015
Delivery	metho	d pursuant to West Virginia Code § 22-6A-	16(c)			
		FIED MAIL HAN IN RECEIPT REQUESTED DEL	D VERY			
return rec the plann required t drilling of damages	ceipt reconded oper to be professional to the solution of the solutions reconded to the solution	a. Code § 22-6A-16(c), no later than the date for quested or hand delivery, give the surface owner ation. The notice required by this subsection sha ovided by subsection (b), section ten of this artic ontal well; and (3) A proposed surface use and courface affected by oil and gas operations to the quired by this section shall be given to the surfa	whose la all include te to a sur ompensati extent the	nd will b (1) A co face ow on agre damage	e used for the drilling of a hopy of this code section; (2) I ner whose land will be used ement containing an offer of es are compensable under ar	orizontal well notice of the information in conjunction with the compensation for ticle six-b of this chapter.
Notice is	hereby	provided to the SURFACE OWNER(s)		/		
(at the ad	ldress lis	ted in the records of the sheriff at the time of n				
Name: _		Jean Jackub	-	Name		Theodore Jackubowski
Address:		158 Baumgard	ner Rd	Addre	55:	1212 Kelso Blvd
operation	to West	Virginia Code § 22-6A-16(c), notice is hereby gis surface owner's land for the purpose of drilling	a horizont	al well c	n the tract of land as follows	
State:		WV	UTM NA	VD 83	Easting:	4,360,607.420000
County: District:		Tyler McElroy	Public R	and Acc	Northing:	516,268.700000
Quadrang	nlo.	Shirley			farm name:	60/2 Vivian J Wells et al
Watershe		Morrison Run of McElroy Creek	General	iy useu	arm name.	VIVIAIT J WEILS EL AI
to be pro- horizonta surface af informati	to West vided by al well; a ffected b ion relat rters, loc	Include: Virginia Code § 22-6A-16(c), this notice shall income www. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation of and gas operations to the extent the damated to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253	whose lan n agreeme ges are co ne Secreta	d will be int cont mpensa ry, at th	e used in conjunction with th aining an offer of compensat ble under article six-b of this e WV Department of Enviror	e drilling of a ion for damages to the chapter. Additional imental Protection
			2.14	word.	6612.02000	2.5222
Well Ope		EQT Production Company 304-848-0082	_	lress:	115 Professional Place, P.C WV 26330	J. Box 280
Telephon	ic.	204-040-002	Dric	gepuit,	VV V Z0330	

Oil and Gas Privacy Notice:

Email:

vroark@eqt.com

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.

304-848-0040

WW-6A5
(1/12)

514460

STATE OF WEST VIRGINIA

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

Notice Time R	equirement: notice shall be provided no later	than the filing te Permit Appl	date of permit application Filed:	ation APR 2 7 2015	
Delivery meth	nod pursuant to West Virginia Code § 22-6A-1		-		
☑ CERT	IFIED MAIL HAND RN RECEIPT REQUESTED DELIV)			
return receipt re the planned oper required to be p drilling of a hori damages to the	Va. Code § 22-6A-16(c), no later than the date for frequested or hand delivery, give the surface owner was action. The notice required by this subsection shall provided by subsection (b), section ten of this article zontal well; and (3) A proposed surface use and consurface affected by oil and gas operations to the exprequired by this section shall be given to the surface	whose land will be linclude: (1) A co e to a surface ow mpensation agre- stent the damage	e used for the drilling or py of this code section; ner whose land will be u ement containing an off s are compensable und	f a horizontal well notice of (2) The information used in conjunction with the fer of compensation for er article six-b of this chapter.	
Notice is hereb	y provided to the SURFACE OWNER(s)	/			
	listed in the records of the sheriff at the time of not	15 P 20 15 15 15 15 15 15 15 15 15 15 15 15 15			/
Name:	Louis Jackubow			Mary Jean Ross	-
Address:	1922 Robindale Lancaster PA 1		SS:	904 Truce Road Holtwood PA 17532	
State: County: District: Quadrangle: Watershed: This Notice Sha	WV Tyler McElroy Shirley Morrison Run of McElroy Creek	UTM NAD 83 Public Road Acc Generally used	-	4,360,607.420000 516,268.700000 60/2 Vivian J Wells et al	
Pursuant to We to be provided I horizontal well; surface affected information rela	st Virginia Code § 22-6A-16(c), this notice shall including W. Va. Code § 22-6A-10(b) to a surface owner ward (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 ocated at 601 57th Street, SE, Charleston, WV 2530	hose land will be agreement conta es are compensa e Secretary, at th	used in conjunction with uining an offer of compe- ble under article six-b or WV Department of En	th the drilling of a ensation for damages to the f this chapter. Additional vironmental Protection	
Well Operator:	EQT Production Company	Address:	115 Professional Place	e, P.O. Box 280	
Telephone:	304-848-0082	Bridgeport,	WV 26330		
Email:	vroark@eqt.com	Facsimile:	304-848-0040	ēr-	_
Oil and Gas Priv The Office of Oi duties. Your per needed to comp appropriately se DEP's Chief Priv	vacy Notice: I and Gas processes your personal information, such some some information may be disclosed to other State oly with statutory or regulatory requirements, included and personal information. If you have any quacy Officer at depprivacyofficer@wv.gov.	h as name, addre agencies or third ding Freedom of restions about or	Information Act reques	Office of Oil oil of Oil o	

WW-6A5
(1/12)

514460

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

ALLES MA	NOTICE			www.ltwa.kt	THOR	K 2	7 7	
Notice Time Date of Noti	Requirement: notice shall be provided ice: APR 2 7 2015	no later than the filing Date Permit App		аррисаті	OII.	. 4	1 20	15
Delivery me	thod pursuant to West Virginia Code §	22-6A-16(c)						
	RTIFIED MAIL URN RECEIPT REQUESTED	HAND DELIVERY						
return receipt the planned o required to be drilling of a ho damages to the	V. Va. Code § 22-6A-16(c), no later than the trequested or hand delivery, give the surface peration. The notice required by this subset provided by subsection (b), section ten of prizontal well; and (3) A proposed surface use surface affected by oil and gas operations required by this section shall be given to the surface by this section shall be given to the surface of the surface of the section shall be given to the surface of the section shall be given to the surface of the section shall be given to the sect	ce owner whose land will ction shall include: (1) A ce this article to a surface of see and compensation agress to the extent the damages.	be used for the dri opy of this code so wner whose land w eement containing es are compensab	illing of a ection; (2 vill be use g an offer ble under	horizo) The ir ed in co of com article	ntal w nforma njunct npensa six-b o	ell noti ation tion wit ation for of this c	h the hapter.
Notice is here	eby provided to the SURFACE OWNER(s)		4709	50	20) =	7	
	ss listed in the records of the sheriff at the ti	ime of notice):	17 0 0	20	26	. 0	1	
Name:								
		Susan Buzzard Name	:					Sharon Graeff
Address:	21	Susan Buzzard Name Cherokee Road Addre	-			-	3217	/
	Wille	The second secon	-					Sharon Graeff Eisenbrown Rd eading PA 19605
Notice is here Pursuant to W operation on State:	Wille	cherokee Road Address ow St PA 17584 ereby given that the under drilling a horizontal well WV UTM NAD 83	ersigned well opera on the tract of land Easting:			oed a p	planned 4,3	Eisenbrown Rd eading PA 19605
Notice is here Pursuant to W operation on S State: County:	Wille Pby given: Vest Virginia Code § 22-6A-16(c), notice is high the surface owner's land for the purpose of	ereby given that the under drilling a horizontal well WV UTM NAD 83	ersigned well opera on the tract of land Easting: Northing:			oed a p	planned 4,3	Eisenbrown Rd eading PA 19605 60,607.420000 16,268.700000
Notice is here Pursuant to W operation on State: County: District:	Willo Pby given: Vest Virginia Code § 22-6A-16(c), notice is high the surface owner's land for the purpose of Mo	ereby given that the under drilling a horizontal well WV UTM NAD 83 Tyler Elroy Public Road Ac	ersigned well operation the tract of land Easting: Northing:			oed a p	planned 4,3	Eisenbrown Rd eading PA 19605
Notice is here Pursuant to W operation on State: County:	Willo Pby given: Vest Virginia Code § 22-6A-16(c), notice is high the surface owner's land for the purpose of Mo	ereby given that the under drilling a horizontal well WV UTM NAD 83	ersigned well operation the tract of land Easting: Northing:			oed a p	planned 4,3	Eisenbrown Rd eading PA 19605 60,607.420000 16,268.700000 60/2
Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W to be provide horizontal we surface affect information re-	Williams Weby given: Vest Virginia Code § 22-6A-16(c), notice is higher the surface owner's land for the purpose of Marison Run of McElroy Creek Morrison Run of McElroy Creek Mest Virginia Code § 22-6A-16(c), this notice d by W. Va. Code § 22-6A-10(b) to a surface lil; and (3) A proposed surface use and compled by oil and gas operations to the extent the lated to horizontal drilling may be obtained, located at 601 57th Street, SE, Charleston,	ereby given that the under drilling a horizontal well WV UTM NAD 83 Tyler EEIroy Public Road Achirley Generally used to owner whose land will be been sation agreement combe damages are compens d from the Secretary, at the owner whose land will be been sation agreement combe damages are compens d from the Secretary, at the own street are sation.	ersigned well opera on the tract of land Easting: Northing: cess: farm name: of this code section is used in conjunct taining an offer of able under article	n; (2) The tion with compens six-b of the	inform the dri sation f his cha ronmer	ation Iling o or dan oter. A	Viv	Eisenbrown Rd eading PA 19605 660,607.420000 60/2 ian J Wells et al d to the al
Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W to be provide horizontal we surface affect information reheadquarters.	Williams Weby given: Vest Virginia Code § 22-6A-16(c), notice is higher the surface owner's land for the purpose of Marison Run of McElroy Creek Morrison Run of McElroy Creek Mest Virginia Code § 22-6A-16(c), this notice d by W. Va. Code § 22-6A-10(b) to a surface lil; and (3) A proposed surface use and compled by oil and gas operations to the extent the lated to horizontal drilling may be obtained, located at 601 57th Street, SE, Charleston,	ereby given that the under drilling a horizontal well WV UTM NAD 83 Tyler Elroy Public Road Achirley Generally used as shall include: (1)A copy of a cowner whose land will be pensation agreement combe damages are compens d from the Secretary, at the town of the compens of th	ersigned well operation the tract of land Easting: Northing: cess: I farm name: of this code section e used in conjunct taining an offer of able under article the WV Departmen O) or by visiting wy	n; (2) The tion with compens six-b of the tof Envir	inform the dri sation f his chap ronmer	ation Iling of or dan oter. A ntal Pro oil-an	Viv	Eisenbrown Rd eading PA 19605 660,607.420000 60/2 ian J Wells et al d to the al
Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W to be provide: horizontal we surface affect information re headquarters pages/default Well Operato	Wille Leby given: Vest Virginia Code § 22-6A-16(c), notice is he the surface owner's land for the purpose of Mo S Morrison Run of McElroy Creek Thall Include: Vest Virginia Code § 22-6A-16(c), this notice d by W. Va. Code § 22-6A-10(b) to a surface sell; and (3) A proposed surface use and comp ted by oil and gas operations to the extent the lelated to horizontal drilling may be obtained to located at 601 57th Street, SE, Charleston, t.aspx. T: EQT Production Company	ereby given that the under drilling a horizontal well WV UTM NAD 83 Tyler Elroy Public Road Achirley Generally used to shall include: (1)A copy of the damages are compensed from the Secretary, at the WV 25304 (304-926-045)	ersigned well operation the tract of land Easting: Northing: cess: If arm name: of this code section to used in conjunct taining an offer of able under article the WV Departmen 0) or by visiting wy	n; (2) The tion with compens six-b of the tof Envir	inform the dri sation f his chap ronmer	ation Iling of or dan oter. A ntal Pro oil-an	Viv	Eisenbrown Rd eading PA 19605 660,607.420000 60/2 ian J Wells et al d to the al
Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W to be provide horizontal we surface affect information reheadquarters, pages/default	Willows Boy given: Vest Virginia Code § 22-6A-16(c), notice is higher the surface owner's land for the purpose of Morrison Run of McElroy Creek Mail Include: Vest Virginia Code § 22-6A-16(c), this notice d by W. Va. Code § 22-6A-10(b) to a surface d by oil and gas operations to the extent the lated to horizontal drilling may be obtained, located at 601 57th Street, SE, Charleston, traspx.	ereby given that the under drilling a horizontal well WV UTM NAD 83 Tyler Elroy Public Road Achirley Generally used to shall include: (1)A copy of the damages are compensed from the Secretary, at the WV 25304 (304-926-045)	ersigned well operation the tract of land Easting: Northing: cess: I farm name: of this code section e used in conjunct taining an offer of able under article the WV Departmen O) or by visiting wy	n; (2) The tion with compens six-b of the tof Envir	inform the dri sation f his chap ronmer	ation Iling of or dan oter. A ntal Pro oil-an	Viv	Eisenbrown Rd eading PA 19605 660,607.420000 60/2 ian J Wells et al d to the al

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.

WW-6A5
(1/12)

514460

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE OF PLANNED OPERATION

Date of Notic	e:	later than the filing Date Permit App	date of permit ap lication Filed:	oplication. APR 2	7 2015
Delivery meth	nod pursuant to West Virginia Code § 22-	-6A-16(c)			
		IAND ELIVERY			
return receipt r the planned op required to be p drilling of a hor damages to the	Va. Code § 22-6A-16(c), no later than the date equested or hand delivery, give the surface overation. The notice required by this subsection provided by subsection (b), section ten of this izontal well; and (3) A proposed surface use are surface affected by oil and gas operations to required by this section shall be given to the secti	wner whose land will in shall include: (1) A control article to a surface own compensation agreathe extent the damag	pe used for the drill opy of this code sec yner whose land wi sement containing a es are compensable ddress listed in the	ing of a horizontal wation; (2) The inform Il be used in conjunc an offer of compens e under article six-b records of the sheri	vell notice of ation etion with the ation for of this chapter. If at the time
	y provided to the SURFACE OWNER(s) listed in the records of the sheriff at the time of the sheriff at	of notice):	670	95022	57 Anthony Jackubowski Jr
Address:		River Road Addre			535 Shawnee St
		PA 19605			Wilkes-Barre PA 18702
County: District: Quadrangle: Watershed:	Tyle McElro Shirle Morrison Run of McElroy Creek	Public Road Ac			516,268.700000 60/2 Vivian J Wells et al
to be provided horizontal well; surface affected information rel	st Virginia Code § 22-6A-16(c), this notice shall by W. Va. Code § 22-6A-10(b) to a surface ow, and (3) A proposed surface use and compensed by oil and gas operations to the extent the diated to horizontal drilling may be obtained froocated at 601 57th Street, SE, Charleston, WV	ner whose land will b ation agreement cont amages are compens om the Secretary, at th	e used in conjunction aining an offer of consiste able under article sing we WV Department	on with the drilling o ompensation for dai x-b of this chapter. A of Environmental Pr	if a mages to the Additional otection
			115 Professional	Place, P.O. Box 280	
Well Operator:	EQT Production Company	Address:	TTO LIDIESSIONAL	Tidee, T.O. DOX 200	
Well Operator: Telephone:	EQT Production Company 304-848-0082		WV 26330		
			-		RECEIVED of Oil and Gas

WW-6A5
(1/12)

514460

STATE OF WEST VIRGINIA

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

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

Date of Notice	e: APR 2.7 2015	Date Per	mit Application	n Filed:	100 27 2015
Delivery meth	od pursuant to West Virginia Code § 22-6	5A-16(c)			ALI CI
		AND ELIVERY			
return receipt re the planned ope required to be p drilling of a hori damages to the	Va. Code § 22-6A-16(c), no later than the date equested or hand delivery, give the surface ow eration. The notice required by this subsection provided by subsection (b), section ten of this azontal well; and (3) A proposed surface use an surface affected by oil and gas operations to the surface by this section shall be given to the surface.	ner whose shall includ article to a s d compensa he extent th	land will be used le: (1) A copy of t urface owner wh ation agreement ne damages are c	for the drilling of this code section; nose land will be u containing an off compensable unde	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.
of notice.	y provided to the SURFACE OWNER(s)	/		47 (09502257
	listed in the records of the sheriff at the time o	f notice):			/
Name:	Raymond A Jac	100	Name:		Beverly A Chisdock
Address:	123 North Pic		Address:		213 Lehigh St
	Shavertown		, radicss		Avoca PA 18641
District: Quadrangle: Watershed:	McElroy Shirley Morrison Run of McElroy Creek	-	Road Access: ally used farm n	ame:	60/2 Vivian J Wells et al
to be provided I horizontal well; surface affected information rela	st Virginia Code § 22-6A-16(c), this notice shall by W. Va. Code § 22-6A-10(b) to a surface own and (3) A proposed surface use and compensal by oil and gas operations to the extent the dated to horizontal drilling may be obtained from ocated at 601 57th Street, SE, Charleston, WV 2	er whose la tion agreen mages are on the Secre	and will be used in nent containing a compensable und tary, at the WV [in conjunction wit an offer of compe der article six-b of Department of Env	th the drilling of a insation for damages to the f this chapter. Additional vironmental Protection
Well Operator:	EQT Production Company	A	ddress: 115 I	Professional Place	, P.O. Box 280
Telephone:	304-848-0082	Bi	ridgeport, WV 26		
Email:	vroark@eqt.com	Fa	acsimile: 304-	848-0040	Dra
					Office CEIVED
duties Vour ner	vacy Notice: I and Gas processes your personal information is sonal information may be disclosed to other Stoly with statutory or regulatory requirements, ecure your personal information. If you have an acy Officer at depprivacyofficer@wv.gov.	tato agoncio	es or third partie	s in the normal co	surse of busines APP a
					07/04/

WW-6A5
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514460

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. 2015 Date of Notice: Date Permit Application Filed: Delivery method pursuant to West Virginia Code § 22-6A-16(c) CERTIFIED MAIL HAND 1 RETURN RECEIPT REQUESTED DELIVERY Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice. Notice is hereby provided to the SURFACE OWNER(s) (at the address listed in the records of the sheriff at the time of notice): Cynthia Kryzwicki Andrea Shotts Name: 213 Nicholoson St 432-2 E Main St Address: Address: Wilkes-Barre PA 18702 Plymouth PA 18651 Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planed operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: WV UTM NAD 83 Easting: 4,360,607.420000 516,268.700000 County: Tyler Northing: District: McElroy Public Road Access: 60/2 Shirley Generally used farm name: Vivian J Wells et al Quadrangle: Watershed: Morrison Run of McElroy Creek This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. 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.

EQT Production Company

304-848-0082

vroark@egt.com

Well Operator:

Telephone:

Email:

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 and Gas The Office of Oil and Gas processes your personal information, such as name, address and cooperation of business or as duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as duties. needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office appropriately secure your personal information. If you have any questions about our use or your personal information, please contact appropriately secure your personal information. If you have any questions about our use or your personal information, please contact appropriately secure your personal information, please contact appropriately secure your personal information. Environmental Protection 27/24/2015

Address:

Facsimile:

Bridgeport, WV 26330

304-848-0040

115 Professional Place, P.O. Box 280

WW-6A5	
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514460

STATE OF WEST VIRGINIA

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

Notice Time Re Date of Notice	equirement: notice shall be prove:		er than the filing Date Permit Appl		plication.		0015
Delivery meth	od pursuant to West Virginia Co		-16(c)		APR	27	2015
	FIED MAIL RN RECEIPT REQUESTED	☐ HAN	ID IVERY				
return receipt re the planned ope required to be p drilling of a horiz damages to the	/a. Code § 22-6A-16(c), no later that equested or hand delivery, give the exation. The notice required by this strovided by subsection (b), section to contal well; and (3) A proposed surface affected by oil and gas oper equired by this section shall be give	surface owne subsection sh en of this arti ace use and c ations to the	er whose land will be all include: (1) A conclude: (1) A conclude to a surface owe compensation agreement the damage.	e used for the drill opy of this code sec ner whose land wil ement containing a es are compensable	ing of a horiz tion; (2) The I be used in o in offer of co under articl	ontal w inform conjunc mpensa e six-b	vell notice of ation ction with the ation for of this chapter.
Notice is hereby	provided to the SURFACE OWNER	(s)	1				
at the address I	isted in the records of the sheriff at	the time of n	notice):				
Name:		Lisa Weso					John Paul Davis
ddress:		254 Lamp	Lampman St Address:			Ē	144,45 Crystal Lake Rd
		Avoca PA	18641				West Union WV 26456
	et Virginia Code § 22-6A-16(c), notice surface owner's land for the purpo			n the tract of land	as follows:	oped a	planned 4,360,607.420000
County:		Tyler		Northing:	00		516,268.700000
District:		McElroy	Public Road Acc	ess:	095	00	60/2
Quadrangle:		Shirley	Generally used	farm name:	- 0	06	Vivian J Wells et al
Watershed:	Morrison Run of McElroy Creek						- 3/
o be provided b orizontal well; urface affected nformation rela	I Include: at Virginia Code § 22-6A-16(c), this repy W. Va. Code § 22-6A-10(b) to a stand (3) A proposed surface use and by oil and gas operations to the extent to horizontal drilling may be ob	urface owner compensation ent the dama tained from t	whose land will be on agreement cont ages are compensa the Secretary, at th	e used in conjunction aining an offer of co ble under article sis e WV Department	on with the dompensation x-b of this ch of Environme	rilling o for dar apter. A ental Pr	of a mages to the Additional otection
headquarters, lo	cated at 601 57th Street, SE, Charle	ston, WV 25	304 (304-926-0430	Of by visiting www	V.GCD.VVV.BO	//oil-an	id-gas/
headquarters, lo pages/default.as		eston, WV 25	304 (304-926-0430	y or by visiting <u>www</u>	w.dep.wv.go	//oil-an	d-gas/
		eston, WV 253	Address:	115 Professional			id-gas/

Oil and Gas Privacy Notice:

Email:

vroark@eqt.com

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.

Facsimile:

304-848-0040

WW-6A5
(1/12)

514460

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

NOTICE OF PLANNED OPERATION

Notice Time I Date of Notic	tequirement: notice shall be provided no later tee: APR 2 7 2015 Dat	than the filing date of permit applicate Permit Application Filed:	ion. APR 2.7 2015
Delivery met	nod pursuant to West Virginia Code § 22-6A-16	6(c)	
DELTA DELECTION	FIFIED MAIL HAND RN RECEIPT REQUESTED DELIV	ERY	
return receipt of the planned op required to be drilling of a hor damages to the	Va. Code § 22-6A-16(c), no later than the date for fil equested or hand delivery, give the surface owner we eration. The notice required by this subsection shall provided by subsection (b), section ten of this article izontal well; and (3) A proposed surface use and comes surface affected by oil and gas operations to the extractioned by this section shall be given to the surface	chose land will be used for the drilling of a include: (1) A copy of this code section; (1 to a surface owner whose land will be us apensation agreement containing an offe tent the damages are compensable unde	a horizontal well notice of 2) The information sed in conjunction with the r of compensation for r article six-b of this chapter.
Notice is hereb	y provided to the SURFACE OWNER(s)	3	/ 7
(at the address	listed in the records of the sheriff at the time of noti		6709502257
Name:	Richard E Han		Joyce K Hill
Address:	1043 low Gap Wilbur WV 26	State of the state	88 Arvilla Rd Bens Run WV 26146
to be provided horizontal well surface affecte information rel	Tyler McElroy Shirley Morrison Run of McElroy Creek Ill Include: St Virginia Code § 22-6A-16(c), this notice shall include by W. Va. Code § 22-6A-10(b) to a surface owner whand (3) A proposed surface use and compensation and by oil and gas operations to the extent the damage atted to horizontal drilling may be obtained from the ocated at 601 57th Street, SE, Charleston, WV 25304	nose land will be used in conjunction with agreement containing an offer of compens s are compensable under article six-b of Secretary, at the WV Department of Env	n the drilling of a sation for damages to the this chapter. Additional ironmental Protection
NAME OF STREET			12.24.51
Well Operator:	EQT Production Company 304-848-0082	Address: 115 Professional Place, Bridgeport, WV 26330	P.O. Box 280
Telephone: Email:	vroark@eqt.com	Facsimile: 304-848-0040	-
	1		D-
duties. Your pe needed to com appropriately s	vacy Notice: il and Gas processes your personal information, such rsonal information may be disclosed to other State a ply with statutory or regulatory requirements, includ ecure your personal information. If you have any que vacy Officer at depprivacyofficer@wv.gov.	gencies or third parties in the normal cou ling Freedom of Information Act requests	urse of business or as and Gas s. Our office will 7

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

Notice Date of	Time Requireme Notice:	nt: Applice shall be pro	ovided no lat	er than the filir Date Permit Ap	ng date of permit a plication Filed:	APR 9 7 2015
Deliver	y method pursu	ant to West Virginia (Code § 22-6A	1-16(c)		111 11 2 1 2010
	CERTIFIED MA RETURN REC	AIL EIPT REQUESTED	☐ HAN	ND LIVERY		
return re the plan required drilling of damages	eceipt requested on the peration. The tobe provided by of a horizontal well so to the surface aff notices required by	r hand delivery, give the e notice required by this subsection (b), section ; and (3) A proposed sur ected by oil and gas ope	e surface owner subsection shaten of this art face use and erations to the	er whose land winall include: (1) A icle to a surface compensation age extent the dama	Il be used for the dri copy of this code se owner whose land w reement containing ages are compensab	erator shall, by certified mail Iling of a horizontal well notice of ection; (2) The information will be used in conjunction with the an offer of compensation for le under article six-b of this chapter, e records of the sheriff at the time
Notice is	s hereby provided	to the SURFACE OWNE	R(s)			
(at the a	ddress listed in the	e records of the sheriff a		/		
Name:			Terry J Cumb			Allen Dale Fornash
Address			1384 Pratts Ru		ress:	9217 Bachelor Rd NW
			Almo WV	20320		Waynesburg OH 44688
Pursuan		Code § 22-6A-16(c), noti wner's land for the purp			ll on the tract of land	7 0 9 5 0 2 a la med 5 7 d as follows: 4,360,607.420000
County:			Tyler		Northing:	516,268.700000
District:			McElroy	Public Road A	Access:	60/2
Quadrar	ngle:		Shirley	Generally use	ed farm name:	Vivian J Wells et al
Watersh	ed: Morrisc	n Run of McElroy Creek				
Pursuan to be pro horizont surface a informal headqua	ovided by W. Va. (al well; and (3) A p affected by oil and tion related to hor	ode § 22-6A-10(b) to a proposed surface use an gas operations to the estontal drilling may be o	surface owner d compensation of compensation stained from	r whose land will on agreement co ages are comper the Secretary, at	be used in conjunct ntaining an offer of sable under article the WV Departmen	; (2) The information required ion with the drilling of a compensation for damages to the six-b of this chapter. Additional t of Environmental Protection ww.dep.wv.gov/oil-and-gas/
Well Op	erator: EQT Pro	duction Company		Address:	115 Professiona	l Place, P.O. Box 280

Oil and Gas Privacy Notice:

304-848-0082

vroark@egt.com

Telephone:

Email:

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.

Bridgeport, WV 26330

Facsimile:

304-848-0040

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(1/12)

514460

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

NOTICE OF PLANNED OPERATION

	equirement: notice shall be provided no			cation Filed:	application.	APR 2 7 2015
Delivery meth	od pursuant to West Virginia Code § 22	-6A-16(c)				
	이 경우를 살아보니 아이들이 있다면 그는 것이 없는데 그 없는데 그렇게 모르는데 없다. 그리	HAND	Υ		470	0 -
return receipt re the planned ope required to be p drilling of a hori damages to the	Va. Code § 22-6A-16(c), no later than the date equested or hand delivery, give the surface or eration. The notice required by this subsection rovided by subsection (b), section ten of this zontal well; and (3) A proposed surface use a surface affected by oil and gas operations to required by this section shall be given to the section of the section of the section of the section shall be given to the section of the section	wner whosen shall inclused article to a nd compenent the extent	e land will b ude: (1) A co a surface ow asation agree the damage	e used for the d py of this code s ner whose land ement containin s are compensa	perator shall, rilling of a hor section; (2) Th will be used in g an offer of t ble under arti	izontal well notice of 2 e information o conjunction with the compensation for cle six-b of this chapter.
Notice is hereby	provided to the SURFACE OWNER(s)		1			
(at the address I	isted in the records of the sheriff at the time	of notice):				
Name:	Donal	d E Bible Sr	Name:			Susan L Spencer
Address:	2400 Mil	larton St SE	Addres	s:		HC 74 Box 98
State: County: District: Quadrangle:	Tyle McElro Shirle	er oy Publ	A NAD 83 lic Road Acc erally used i			4,360,607.420000 516,268.700000 60/2 Vivian J Wells et al
Watershed:	Morrison Run of McElroy Creek					
This Notice Shal Pursuant to Wes	st Virginia Code § 22-6A-16(c), this notice sha by W. Va. Code § 22-6A-10(b) to a surface ow	ner whose	land will be	used in conjunc	tion with the	drilling of a
to be provided b horizontal well; surface affected information rela	and (3) A proposed surface use and compens by oil and gas operations to the extent the d ted to horizontal drilling may be obtained fro ceated at 601 57th Street, SE, Charleston, WV spx.	amages are om the Seco	retary, at the	WV Departme	nt of Environ	hapter. Additional nental Protection
to be provided b horizontal well; surface affected information rela headquarters, lo	by oil and gas operations to the extent the d ted to horizontal drilling may be obtained fro cated at 601 57th Street, SE, Charleston, WV	amages are om the Secr 25304 (30	retary, at the	WV Departme	nt of Environ ww.dep.wv.g	chapter. Additional nental Protection ov/oil-and-gas/
to be provided be horizontal well; surface affected information related headquarters, lopages/default.as	by oil and gas operations to the extent the dated to horizontal drilling may be obtained from the decated at 601 57th Street, SE, Charleston, WV spx.	amages are om the Sec 25304 (30	retary, at the 14-926-0450	WV Department or by visiting was 115 Profession	nt of Environ ww.dep.wv.g	chapter. Additional nental Protection ov/oil-and-gas/
to be provided be horizontal well; surface affected information relaheadquarters, lopages/default.as: Well Operator: Telephone: Email:	by oil and gas operations to the extent the d sted to horizontal drilling may be obtained fro cated at 601 57th Street, SE, Charleston, WV spx. EQT Production Company	amages are om the Secr 25304 (30	retary, at the 4-926-0450 Address: Bridgeport, Facsimile:	e WV Department or by visiting we 115 Profession WV 26330 304-848-0040	nt of Environr ww.dep.wv.g al Place, P.O.	chapter. Additional nental Protection ov/oil-and-gas/ Box 280



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Earl Ray Tomblin Governor

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

November 18, 2014 5 7 0 9 5 0 2 2 5 7

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

Subject: DOH Permit for the SHR 60 Well Pad, Tyler County

ed borrighting the St	in ou well rau, Tyler County	
514460 SHR 60 H1	514461 SHR 60 H2	514462 SHR 60 H3
514463 SHR 60 H4	514464 SHR 60 H5	514465 SHR 60 H6
514466 SHR 60 H7	515434 SHR 60 H8	515435 SIIR 60 H9
515436 SHR 60 H10	515437 SHR 60 H11	515438 SHR 60 H12
515968 SHR 60 H13		5 (5 (50 Still 00 II12

Dear Mr. Martin.

This well site will be accessed from DOH Permit #06-2014-0798 applied for by EQT Production Company for access to the State Road for a well site located off of Tyler County Route 60/1 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.
Regional Maintenance Engineer
Central Office Oil & Gas Operaline ElVED
Central Office Oil & Gas Operaline ElVED
Central Office Oil and Gas

WV Department of Environmental Protection

Cc:

Nick Bumgardner

EQT Production Company

CH, OM, D-6

File

Anticipated Frac Additives Chemical Names and CAS numbers

Ingredient	CAS Number
Hydrotreated light petroleum distillate	14808-60-7
Tributyl tetradecyl phosphonium chloride	64742-47-8
Ammonium chloride	81741-28-8
Hydrochloric Acid	12125-02-9
Propargyl Alcohol	7647-01-0
Methanol	107-19-7
Guar Gum	67-56-1
Sodium Persulfate	9000-30-0
Potassium Carbonate	7775-27-1
	584-08-7
	Hydrotreated light petroleum distillate Tributyl tetradecyl phosphonium chloride Ammonium chloride Hydrochloric Acid Propargyl Alcohol Methanol Guar Gum Sodium Persulfate

4709502257



Office of Oil and Gas

West Virginia Department of Environmental Protection Office of Oil & Gas 601 57th Street SE Charleston, WV 25304-2345

DEP Office Use only		
Date Received by Oil & Gas:		
Assigned Impoundment ID #. 095-WPA -	000	13

RECEIVED Office of Oil and Gas JUL 20 2015

Permit Associated Impoundment / Pin Registration

Instruction: This form is to be used to register impoundments or waste pits, greater than 5,000 bbls, that are associated with a WVDEP, Office of Oil and Gas, well drilling permit. An associated impoundment or pit means it has been designed and included in the well drilling permit application, will follow the reclamation time frame of well work permit, and will be approved in conjunction with the well work permit. An impoundment ID number will be assigned by WVDEP, Office of Oil and Gas, to all impoundments and pits. This impoundment ID number will be sent to the applicant following receipt of this form by WVDEP. Please reference this impoundment ID number with all future correspondence and reference to this impoundment. Conditions as described in W.Va. State Rule §35-4-21 will be followed as it relates to impoundments and pits.

Section 1 - Operator Information

Operator Name:	EQT Production Company		
Operator ID:	306686		
Address: Street	115 Professional Place		
City:	Bridgeport	State: WV	Zip: 26330
Contact Name:	Ron Furby	Contact Title:	Sr. Mgr. Water Operations
Contact Phone:	412-395-7052	Contact Email:	

Section 2 - Engineering / Design Contractor Information

Design will be contracted	d Designed in-house				
Company Name:	Homor Brothers Engineers				
Address: Street	P.O. Box 386				
City:	Clarksburg	State:	W	Zip:	26302
Contact Name:	Thomas D. Coralhers	Contact	Title:	PE, PS	
Contact Phone:	304-624-6445	Contact E	Email:	tom@hbe19	02.com
	ngineer: Thomas D. Corathers	- }			
Professional Engineer R	legistration Number: 14161				





Office of Oil and Gas

Section 3 - Impoundment / Pit Information

Type of Structure. Check one of				
☐ Freshwater Impoundme	nt	X V	Vaste Pit	
Note: <u>Any</u> waste in a pit will make it	a waste pit	•		
				RECEIVED GEE
Name of Structure (Company Na	me:) E	QT-SHR 60 Flow Back	Pit	PECEIVED Ges Office of Oll and Ges
County: Tyler		District:	McElroy	Omes 01 2 0 2015
USGS 7.5' Quad Map Name:	Shirley			
Farm Name:				nartment action
Pad Name: SHR 60				W Department of Environmental Protection
Surface Owner Name: Hannah	Underwood	l Estate		Environ
Physical Description of Location:				e 60/1 & Site Access Road
travel northwesterly along access ro				
(Note: Give general location, example: 2			left on Buffalo Cr	eek) .
Watershed (nearest perennial):	Morrisor			
Distance (Drainage Distance) to	nearest pe	erennial stream: api	proximately 400	feet
Location Coordinates (NAD83, D		•		
Editado:		ude (Use negative sig 1887.102292 E	m): <u>-80.8108</u> TM 83-17NF:14	
UTM Coordinates : UTM 83 Access Road Coordinates (juncti			1101 03-17/45.14	30913.39017 N
Latitude: 39.383577		i nignway access) itude (Use negative si	inn\80.800	830
EDUIDO.		· · ·	9.1/.	1302342.952588 N
Approximate Dimensions				
Length: 241'	Width:	172'	Height: 1	5'
Note: If irregularly shaped, give approxim	ale dimensio	ns of long exis.	_	
Total Capacity - Provide all units	of measu	re below:		
Barrels: 54,859	Gallons:	2,304,232	Acre-Feet:	7.071
Capacity with 2' Freeboad - Prov				
Barrels: 68,651	Gallons:	2,883529	_ Acre-Feet:	8.849
Incised volume:				9 999
Barrels: 22,518	Gallons:	945,834	_ Acre-Feet:	2.903
Not be a second of column of the column of t		1		
Net impounded volume: (Total vo		1,3583,398	Anna Faul	4 160
Barrels: 32,341	Gallons:	1,0003,380	_ Acre-Feet:	7.100
Anticipated Construction Start Da	nio (onlima	tion non binding):		1
Note: No construction may begin	on Assoc	icon, non-vinusiy). :ioated impoundment	until WVDEP	ssues the drilling permit. At least 7
calendar days prior to confirmed	construction	on start date, notify the	Office of Oil	& Gas, and the local Oil and Gas
inspector of construction start da	te. Use foi	m IMP-2, "Notification	of Impoundm	ent / Pit Construction."



Section 4 - Associated Well Numbers and API Numbers. List associated well numbers and API number. API numbers may not be assigned at time of registering this impoundment, if so list as pending.

Well Number(s):	API Number(s) - If issued:	
H1 514480 H2 514481		RECEIVED Office of Oil and Gas
10 \$14452 H4 \$14463		
HS 514464 HS 514465		JUL 2 0 2015
17 \$1445 4 HI \$18434		WV Department of Environmental Protection
H9 515425 HIO 515436		EUAILOUILIBURAL LICIOSIA
HII 515437 HIZ 51438		
Erosion and Sediment ContReclamation Plan, certified in	ans, certified by WV Registered P.E. rol Plan, certified by WV Registered P.E. by WV Registered P.E.	
Section 6 – Dam Standard The design of this structure defined as a dam, under W. all permits regulating dams	rol Plan, certified by WV Registered P.E. by WV Registered P.E.	ies it to be defined as a dam, the Office of Oil and Gas.
Section 6 – Dam Standard The design of this structure defined as a dam, under W. all permits regulating dams. The dam standard, from the	rol Plan, certified by WV Registered P.E. by WV Registered P.E. Qualifying Evaluation has been evaluated by the applicant to determine it of Va Rule §47-34. If the design of this structure qualification will be required prior to registering the structure with	ies it to be defined as a dam, the Office of Oil and Gas.
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Office of Oil and Gas

Section 8 - Application Certification

I hereby certify that the information listed above is true and accurate. I understand that this pit/impoundment is to be constructed only in a location appropriate for the storage of water, including wastewater, and will be constructed in accordance with plans designed and certified by a West Virginia registered professional engineer. I further recognize that all required plans have been submitted to the Office of Oil and Gas. I understand that after construction, and prior to any fluid being placed in the pit/impoundment, it shall be inspected by a West Virginia registered professional engineer to ensure compliance with the certified design and construction plan, and that the professional engineer shall certify that this structure was constructed in accordance with design and construction plans. I understand that such certification shall be in writing to the Chief of the character that this pit/impoundment shall be constructed, maintained, operated and closed in accordance with all applicable laws and ules including the requirements of W. Va. Code R § 35-4-2.

Name:		Victoria	T. KOAK	WV De Environme	partment of intal Protection
Title:		Pernittin		<u> </u>	
mc.		The state of the s	a C-PEREUGE	<u> </u>	
Signature:		Thele	1		
				0	
Taken, subscri	bed and swom t	o before the this,	13 Day of	Now	20 /4
Notary Public:		the laker			
My commission	n expires:		824.22		
Notary Seal:		OFFICIAL SEAL OFFICIAL SEAL STATE OF WEST VIRGINIA MOTARY PUBLIC Pamela Sykes EQT Production PO Box 280 Bridgeport, WV 26330 COMMERCE SHEET AUG. 24, 20			

Section 9. Submittal Instructions

Submit original paper copy of application to:

West Virginia Department of Environmental Protection
Office of Oil and Gas
Impoundment Registration
601 57th Street, SE
Charleston WW 25304

Email PDF file format of this application and all related engineering Plans to : Depimpoundments@wv.gov



West Virginia Department of Environmental Protection Office of Oil & Gas 601 57th Street SE Charleston, WV 25304-2345

DEP Office	Use only	
Date Received by Oil & Gas:		
Assigned Impoundment ID #:	095-WPA-000	14

Permit Associated Impoundment / Pit Registration

Instruction: This form is to be used to register impoundments or waste pits, greater than 5,000 bbls, that are associated with a WVDEP, Office of Oil and Gas, well drilling permit. An associated impoundment or pit means it has been designed and included in the well drilling permit application, will follow the reclamation time frame of well work permit, and will be approved in conjunction with the well work permit. An impoundment ID number will be assigned by WVDEP, Office of Oil and Gas, to all impoundments and pits. This impoundment in number will be sent to the applicant following receipt of this form by WVDEP. Please reference this impoundment in all future correspondence and reference to this impoundment. Conditions as described in W.Va. State Rule §35-4-21 will be followed as it relates to impoundments and pits.

Section 1 - Operator Information

WV Department of Environmental Protection

Operator Name:	EQT Production Company		·
Operator ID:	306686		
Address: Street	115 Professional Place		
City:	Bridgeport	State: WV	Zip: 26330
Contact Name:	Ron Furby	Contact Title:	Sr. Mgr. Water Operations
Contact Phone:	412-395-7052	Contact Email:	rfurby@eqt.com

Section 2 - Engineering / Design Contractor Information

Company Name:		gineers					
Address: Street	P.O. Box 386						
City:	Ctarksburg		State:	w	Zip:	26302	
Contact Name:	Thomas D. Corathers		Contact	Title:	PE, PS		
Contact Phone:			Contact E	mail:	tom@hbe19	02.com	
Certifying Professional E	Engineer: Thomas	D. Corathers					
Professional Engineer R	Registration Number:	14161					



Office of Oil and Gas

Section 3 - Impoundment / Pit Information



Section 4 - Associated Well Numbers and API Numbers. List associated well numbers and API number. API numbers may not be assigned at time of registering this impoundment, if so list as pending.

i vvei	Number(s):	API Number(s) - If issued:	
H1 5144	80	-	
HZ 5144			
HI 5144	33		
HS 5144 HB 5144			
H7 51440 H3 51543	5 4		RECEIVED
H9 5 154 H10 5 15			Office of Oil and Gas
M1111143 H121143	y is		JUL 20 76 7
	 	<u> </u>	WV Department of Environmental Protection
Sec	tion 5 - Required Information	n Checklist To Register Permit Ass	ociated
imp	oundments or Pits. Include the	e following information and plans with	application.
邑	Engineered Construction Plans, cert	<u> </u>	
3	Erosion and Sediment Control Plan,	·	
E	Reclamation Plan, certified by WV F	Registered P.E.	
	tion 6 – Dam Standard Qualif		
	defined as a dam, under W.Va Rule	n evaluated by the applicant to determine it §47-34. If the design of this structure qualife equired prior to registering the structure with	ies it to be defined as a dam,
	The dam standard, from the WVDEI http://www.dep.wv.gov/WWE/ee/ds/	P. Div. Of Water and Waste, is available for a	eview at:
Sec	The dam standard, from the WVDEI http://www.dep.wv.gov/WWE/ee/ds/	P. Div. Of Water and Waste, is available for a	eview at:
Sec	The dam standard, from the WVDEI http://www.dep.wv.gov/WWE/ee/ds/	P, Div. Of Water and Waste, is available for a Pages/default.aspx	eview at:
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Sec	The dam standard, from the WVDEI http://www.dep.wv.gov/WWE/ee/ds/	P, Div. Of Water and Waste, is available for a Pages/default.aspx	eview at:
Sec	The dam standard, from the WVDEI http://www.dep.wv.gov/WWE/ee/ds/	P, Div. Of Water and Waste, is available for a Pages/default.aspx	eview at:
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Section 8 - Application Certification

I hereby certify that the information listed above is true and accurate. I understand that this pit/impoundment is to be constructed only in a location appropriate for the storage of water, including wastewater, and will be constructed in accordance with plans designed and certified by a West Virginia registered professional engineer. I further recognize that all required plans have been submitted to the Office of Oil and Gas. I understand that after construction, and prior to any fluid being placed in the pit/impoundment, it shall be inspected by a West Virginia registered professional engineer to ensure compliance with the certified design and construction plan, and that the professional engineer shall certify that this structure was constructed in accordance with design and construction plans. I understand that such certification shall be in writing to the Chief and that no fluids may be placed in the pit/impoundment until the certification has been filed with the chief. I agree that this pit/impoundment shall be constructed, maintained, operated and closed in accordance with all applicable laws and rules, including the requirements of W. Va. Code R § 35-4-2.

Name:	Victoria J. KOALE	
Title:		JUSOF
Signature:	That I	
Taken, subscribe	ed and swom to before me this,	of <u>Nov</u> 20 14
My commission e	expires: 82433	_
Notary Seal:	OFFICIAL SEAL STATE OF WEST VIRGINIA	RECEIVED Office of Oil and Gas
	Pamela Syles	JUL z 0 2017
	Bringeport, A 26330 By Commission Expres Aug. 24, 2022	WV Department of Environmental Protection

Section 9. Submittal Instructions

Submit original paper copy of application to:

West Virginia Department of Environmental Protection
Office of Oil and Gas
Impoundment Registration
601 57th Street, SE
Charleston WW 25304

Email PDF file format of this application and all related engineering Plans to : <u>Depimpoundments@wv.gov</u>

4709502257 MDG 1/17/15

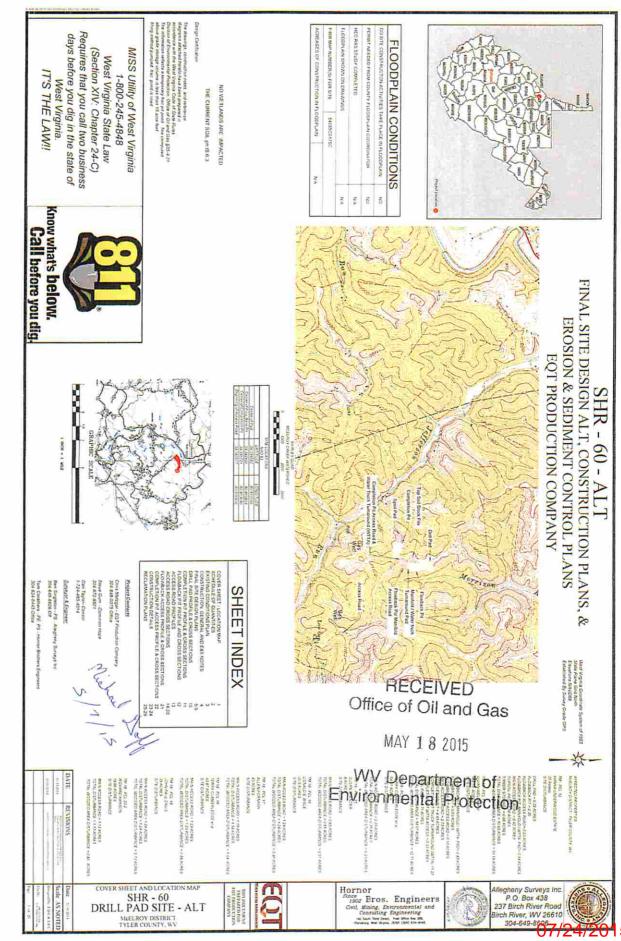
Well Number: 514460 (SHR60H1)

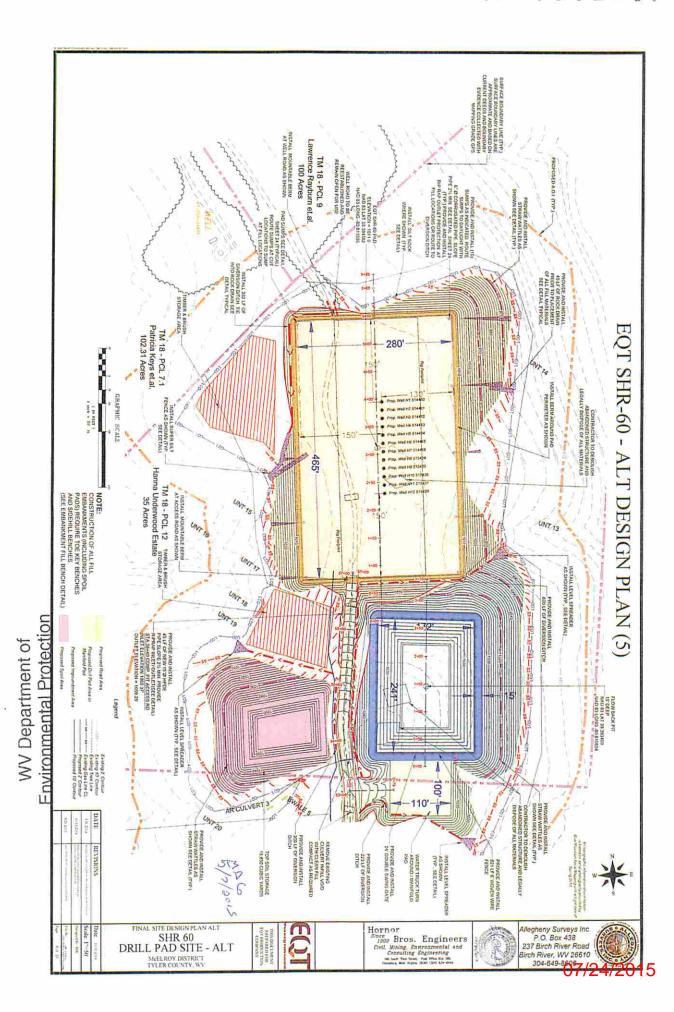
Casing and Ceme	nting		Deepe	est Fresh Water	906'
Туре	Conductor	Mine Protection	Surface	Intermediate	Production
Hole Size, In.	24		17 1/2	12 3/8	
Casing Size, OD In.	20	1	13 3/8	9 5/8	8 1/2
Casing Wall Thickness, In.	0.375		0.380	0.395	5 1/2 0.361
Depth, MD	60'		992'	0.7771	4
Depth, TVD	60'		992'	2,777'	12,687'
Centralizers Used	Yes		Yes	2,777'	6,634'
Weight/Grade	81#/MC-50		54.5#/J-55	Yes	Yes
New or Used	New			40#/A-500	20#/P-110
	11011		New	New	New
Pressure Testing	1.5	-	20% Greater than exp. Pressure	20% Greater than exp. Pressure	20% greater than exp. fracture pressure
After Fracture Pressure Testing	1.2	-		¥,	20% greater than exp. shu
ID, in	19.25		12.615	8.835	pressure
Burst (psi)	8		2,730	3,590	4.778
Collapse (psi)			1,110	2,470	12,640
Tension (mlbs)		-	514	493	11,100
Cement Class			014	493	587
Cement Type	Construction		1	-	Н
Cement Yield	1.18		1	1	- 19-2
	1,10	-	1.21	1.21	1.27/1.86
Meets API Standards WOC Time	1-	-	Yes	Yes	Yes
	4	-	Min. 8 hrs	Min. 8 hrs	Min. 8 hrs
Top of Cement (Planned)	Surface		Surface	Surface	4,426'
Fill (ft.)	60'		992'	2,777'	0.2611
Percent Excess	- 4	17 51 1	20	20	8,261'
Est. Volume (cu ft)	58		862	1,084	10
st. Volume (BBLS)	10		153	193	2,108 375

RECEIVED Office of Oil and Gas

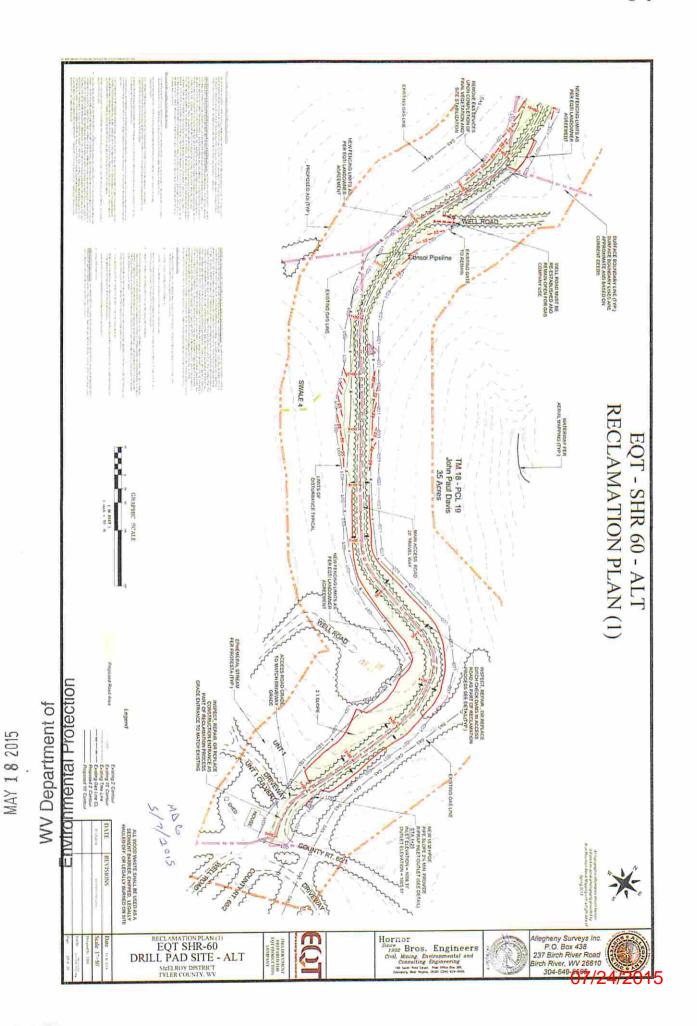
JUL 2

WV Department of Environmental Protection

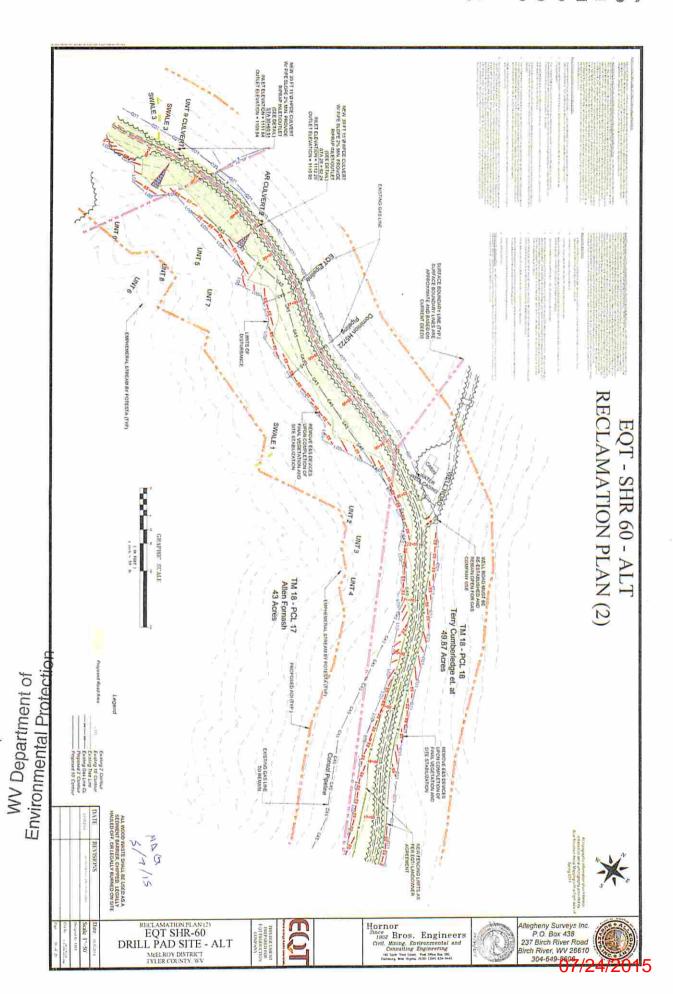




RECEIVED Office of Oil and Gas



RECEIVED Office of Oil and Gas



RECEIVED Office of Oil and Gas

MAY 18 2015

