

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 24, 2015

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-8510219, 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

Operator's Well No: 515883

Farm Name: WILSON, JAMES H. & WILMA J.

API Well Number: 47-8510219

Permit Type: Horizontal 6A Well

Date Issued: 07/24/2015

API	Number:	

PERMIT CONDITIONS 4708510219

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

CONDITIONS

- Operator shall take additional measures with this permitted activity to avoid communication with offset wells. Such additional measures are described in the attached addendum. This addendum is part of the terms of the well work permit, and includes a description of depth and completed formations of offset wells. Also included is a description of monitoring activities that will take place during fracturing operations of the permitted well work.
- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE 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.

API Number:

PERMIT CONDITIONS 4708510219

- 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.

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API NO. <u>47</u> - <u>085</u>	
OPERATOR WELL NO.	515883
Well Pad Name:	DITTO

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION Well Pad Name: PUL96 4 7 0 8 5 1 0 2 1 9

1) Well Operator: <u>EQT Production Comp</u>	nany	206600	1 005	Υ	
- Lattidadion Com	dily	306686 Operator ID	085 County	Diatriot	562
		opolator ib	County	District	Quadrangle
2) Operator's Well Number:	515883		_Well Pad Name		PUL96
3) Farm Name/Surface Owner :	lames H & Wilma J	Wilson	_Public Road Ac	cess:	CR 7/4
4) Elevation, current ground: 1,194.0	Elevat	ion, proposed p	ost-construction:	1,182.0)
5) Well Type: (a) Gas O	ilUnd	derground Stora	ge		
Other					
(b) If Gas: Shallow	•	Deep			
Horizonta	·				
6) Existing Pad? Yes or No: no					
7) Proposed Target Formation(s), Depth(s), Target formation is Marcellus at a depth of			•	•	ure of 2190 PSI
8) Proposed Total Vertical Depth:			6416	·	-
9) Formation at Total Vertical Depth:			Marcellus		
10) Proposed Total Measured Depth:	·		15,274		
11) Proposed Horizontal Leg Length		· · · · · · · · · · · · · · · · · · ·	7,618		
12) Approximate Fresh Water Strata Depths	3:		341, 367, 398,	555	
13) Method to Determine Fresh Water Dept			By offset wel		
14) Approximate Saltwater Depths:			n/a		
15) Approximate Coal Seam Depths:			n/a		
16) Approximate Depth to Possible Void (co	al mine, karst, othe	r):	_	None repo	rted
17)Does proposed well location contain coa	l seams directly ove	rlying or			
adjacent to an active mine?		Yes		No x	
(a) If Yes, provide Mine Info: Name:					
Depth:					
Seam:					
Owner	:				

Page 1 of 3

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CASING AND TUBING PROGRAM

API NO.	<u>47</u>		U	
OPERATO	R WEI	LL NO		515888
Well Pac	i Nan	ne:		PUL96

4708510219

TYPE	Size	New	Grade	Weight per ft.	FOOTAGE: For	INTERVALS:	CEMENT:
	<u>(in)</u>	<u>or</u> Used		<u>(lb/ft)</u>	Drilling (ft)	Left in Well (ft)	Fill- up (Cu.Ft.)
Conductor	20	New	MC-50	81	40	40	38 C.T.S.
Fresh Water	13 3/8	New	J-55	54.5	655	655	581 C.T.S.
Coal	_	-	_	-	-	_	_
Intermediate	9 5/8	New	A-500	40	2,566	2,566	1,011 C.T.S.
Production	5 1/2	New	P-110	20	15,025	15,025	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> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	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	2,184	* See Note 2	1.21
Coal							
Intermediate	9 5/8	12 3/8	0.395	3,950	3,160	* See Note 2	1.21
Production	5 1/2	8 1/2	0.361	12,640	10,112	-	1.27/1.86
Tubing							
Liners							

<u>Packers</u>

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

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

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

Page 2 of 3

97/24/2015

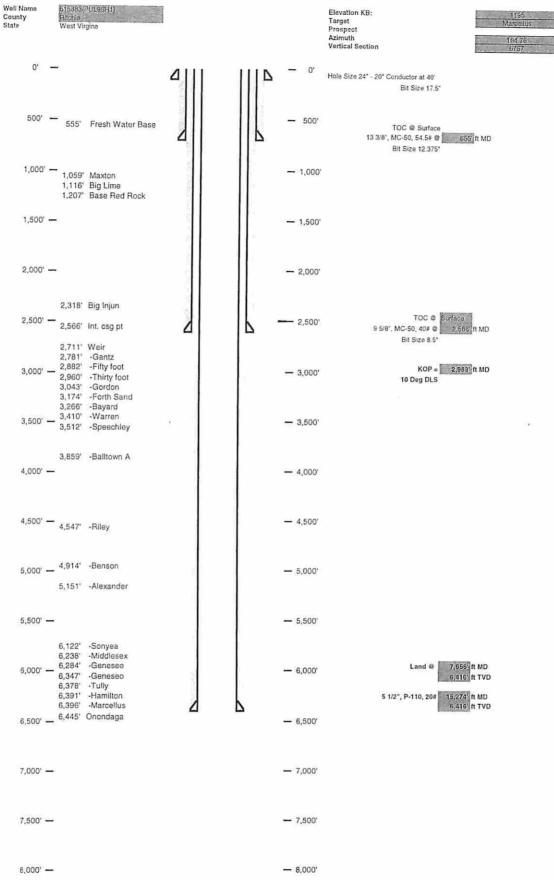
WW - 6B	. 7	40040	ARINO 17 005	Dr.
(10/14)	47085	10219	APINO 47 - 085	- Office - Office
			OPERATOR WELL NO We'll Pad Name:	5 13883
40) Describe assessed all all				JU/ 9
19) Describe proposed well work	, including the drilling and plugging bar	ck of any pilot hole:		Wr 21 20
Drill and complete a new horizontal v	well in the marcellus formation. The vertical drill	l to go down to an appro	ximate depth of 2983'	WV Denn
then kick off the horizontal leg into th				WV Department of
		-8-		
20) Describe fracturing/stimulating	g methods in detail, including anticipat	ed max pressure a	nd max rate:	
Hydraulic fracturing is completed in accord	dance with state regulations using water recycle	ed from previously fractu	red wells and obtained from	
reshwater sources. This water is mixed v	with sand and a small percentage (less than 0.3)	%) of chemicals (including	ng 15% Hydrochloric acid	
getting agent, get breaker, Inction reducer,	, biocide, and scale inhibitor), referred to in the i	ndustry as a *slickwater	completion Maximum	
approximately 100 hom. Stage lengths v	ected to average approximately 8500 psi, maximately from 150 to 300 feet. Average approximately	num anticipated treating	rates are expected to average	
vary from 100 mesh to 20/40 mesh. Aver	age approximately 200,000 pounds of sand per	y 200,000 barreis of wal	er per stage Sand sizes	
	230 approximately 200,000 pouries or said per	Stage		
21) Total area to be disturbed, inc	luding roads, stockpile area, pits, etc,	(acres):	± 28.99	
22) Area to be disturbed for well p	ad only, less access road (acres):		± 6.48	
Describe centralizer placement	nt for each casing string.		1 0.40	
 Surface: Bow spring centralizers 	- One at the shoe and one spaced ev	very 500'.		
 Intermediate: Bow spring central 	izers- One cent at the shoe and one s	spaced every 500'.		
 Production: One spaced every 1 	000' from KOP to Int csg shoe			·
24) Describe all coment additives	associated with each cement type.			
Used to speed the setting of cement slurr		Surface (Type 1	Cement): 0-3% Calcium Chloride	
	LCM) is used to combat the loss of the ce	ment slurry to a thief	700e	
Intermediate (Type 1 Cement): 0-3%	Calcium Chloride. Salt is used in shallow, low t	temperature formation	s to speed the setting of rement	
slurries. 0.4% flake, Loss Circulation N	Material (LCM) is used to combat the loss	of whole drilling fluid	or cement slurry (not filtrate)	
to a thief zone.		*		
Production:				
Lead (Type 1 Cement): 0.2-0.7% Lignor	sulfonate (Retarder). Lengthens thickening ti	me.		_
0.3% CFR (dispersant). Makes cemer	nt easier to mix.			
Tail (Type H Cement): 0.25-0.40% Lign	nosulfonate (Retarder). Lengthens thickening t	lime.		
0.2-0.3% CFR (dispersant). This is to	nake the cement easier to mix.			
60 % Calcuim Carbonate. Acid solubil	lity.			

25) Proposed borehole conditioning procedures. Surface: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until cuttings diminish at surface. When cuttings returning to surface 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 volume likely indicates washouts that will not clean up. Intermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until cuttings diminish at surface. When cuttings returning to surface diminish, continue to circulate an additional 5 minutes, If foam drilling, to enhance hole cleaning use a soap sweep or increase injection rate & foam concentration. Production: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume.

Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

*Note: Attach additional sheets as needed.

0.4-0.6% Halad (fluid loss). Reduces amount of water lost to formation.



Well 515883(PUL96H1)
EQT Production
Pullman
Altchie West Virgina Proposed Well Work:

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

The evitcal titil to go down to an approximate depth of 2883:

Then kick off the horizontal leg into the Marcellus using a slick water frac. 500 West Virgina Sotyan
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2760 -1059 - 1089 1110 - 1241 1207 Azimuth 15475 Vertical Section 6767 299 0247 0347 0347 0348 5231 4053 (3000) (1000') (2000') Land curve @ 6,416 #1TVD 7,656 #1MD KOP @ 2,983* 7,638] ft Lateral Est. TD @ 8,416" ft TVD Hole Size (s)ches) 24 8 1/2 12 3/8 Production Casing Casing Type Conductor Surface 5 1/2 13 3/8 9 5/8 Wt (ppf)/Grade 20#/P-110 40#/A-500 54.5#/J-55 81#/MC-50



February 5, 2015

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

Re: Casing Plan on Wells (PUL96)

Dear Mr. Smith,

EQT is requesting the 13-3/8" surface casing be set at 655' KB, 100' below the deepest fresh water show. We will set the 9-5/8" intermediate string at 2566' KB, below the porosity zone in the Big Injun formation.

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

Sincerely,

Vicki Roark

Permitting Supervisor

Enc.



west virginia department of environmental protection

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

March 18, 2014

Nabors Completion & Production Services Company 1380 Route 286 Hwy E #121 Indiana PA 15701 47000

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)

Sincerely

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

Environmental Resources Specialist / Permitting

Promoting a healthy environment.

Office of Oil & Gas MAY, 2 8 2015



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)	. 0
THE OPERATIONAL)	2219
REGULATIONS OF CEMENTING OIL	í	5102
AND GAS WELLS)	47085102
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REPORT OF THE OFFICE

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

FINDINGS OF FACT

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

Promoting a healthy environment.

Received Office of Oil & Gas MAY: 2 8 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 PROTECTION OF THE STATE OF WEST VIRGINIA

James Martin, Chief Office of Oil and Gas

M108510219

Received Office of Oil & Gas MAY 2 8 2015 WW-9 (2/15)

Page 1	of	2
API No. 47 085	=	10219
Operator's Well No.		515883

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) Goose Run of Rockcamp Run Quadrangle Pullman	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes x No	
Will a pit be used ? Yes: X No:	
If so please describe anticipated pit waste: flowback water & residual solids	
Will a synthetic liner be used in the pit? Yes X No If so, what ml.? 60	
Proposed Disposal Method For Treated Pit Wastes: Land Application Underground Injection (UIC Permit Number 0014, 8462, 4037) Reuse (at API Number Various) Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain)	RECEIVED
Will closed loop system be used? Yes, The closed loop system will remove drill cuttings from the drilling	Office of Oil and Gas
fluid. The drill cuttings are then prepared for transportation to an off-site disposal facility. Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.	JUL 23 70th
Air is used to drill the top-hole sections of the wellbore (surface, intermediate, and pilot). Water based mud may be necessary depending on hole conditions to stabilize	MA/ Donorton and at
end drill the intermediate section. The pilot hote, curve, and lateral sections will be drilled with either air, water based mud, or oil based mud. — If oil based, what type? Synthetic, petroleum, etc Synthetic mud	WV Department of Environmental Protection
Additives to be used in drilling medium? At - biodegradable oil tubricant, detergent, defoaming, water. Water based mud - Barito, viscositor,	
alkalinity control, lime, filtration control, deflocculates, biodegradable oil tubricant, defoaming, walnut shell, salt, x-cide, carbonates.	
Oil based mud -synthetic base oil, barite, emulsifier, sait, lime, viscosifer, alkalinity control, filtration control, deflocculates,	
biodegradable cil lubricant , defoaming, carbonates.	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill	
- If left in pit and plan to solidify what medium will be used? (Cement, Line, sawdust)	
- Landfill or offsite name/permit number? See Attached List	
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.	
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued	
on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law	
or regulation can lead to enforcement action.	
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment	
Company Official Signature Victoria J Roark Victoria J Roark	
Company Official (Typed Name) Victoria A Roark Company Official Title Permitting Supervisor	
Subscribed and sworn before me this 21 day of	
Notary Pub Ministration	OFFICIAL SEAL STATE OF WEST VIRGINIA
My commission expires 8-24-23	NOTARY PUBLIC Permela Syless EQT Production PO Box 280 Bridgeport, WV 26330 My Cammission Expires Aug. 24, 2022

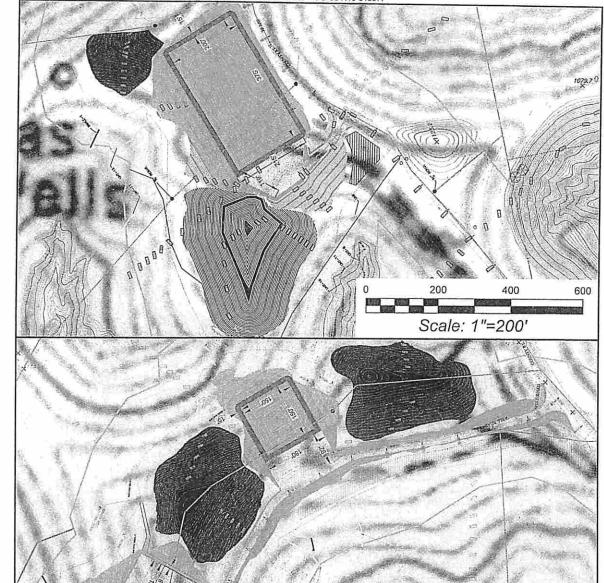
Lime 3 Tons/acre or to correct to pH 6.5 Fertilize type Granular 10-20-20 Fertilizer Amount 1/3 Ibs/acre (500 lbs minimum) Mulch 2 Tons/acre Seed Mixtures Temporary Seed Type Ibs/acre 40 Orchard Grass 15 Alsike Clover 5 Alsike Clover 5 Alsike Clover 15 Annual Rye 15 Attach: Drawing(s) of road, location,pit and proposed area for land application.			Operato	or's Well No.	515883
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WW-9

Pul 96 H1-515883 Pul 96 H5-515887 Pul 96 H2-515884 Pul 96 H3-515885 Pul 96 H6-515888 Pul 96 H7-515968 Pul 96 H9-515967 Pul 96 H10-515977

7 0 8 5 Pul 96 H4-515866 Pul 96 H8-515966

PAGE 2 OF 2



Detail sketch for Wells WV 515883, 515884, 515885, 515886, 515887, 515888, 515968, 515966, 515967, 515977

Scale: 1"=200'

Pullman 7.5' USGS QUADRANGLE

Projected culvert inventory. (for bid purposes only)

15" minimum diameter culverts

See Site Plan

Proposed Access Road

See Site Plan

Proposed Access Road

See Site Plan

Approximate Total Disturbance

See Site Plan

PRAWN 8Y: Dale Tomlin PS

Date: December 30, 2014

PILE NO. 243-14

DRAWN FILE NO. 243-14

DRAWN FILE NO. 243-14

Note: SEE SITE PLAN OF PULLMAN 96 FOR COMPLETE GRADING & DRAINAGE CONSTRUCTION INCLUDING EROSION & SEDIMENT CONTROL DETAILS, ETC.



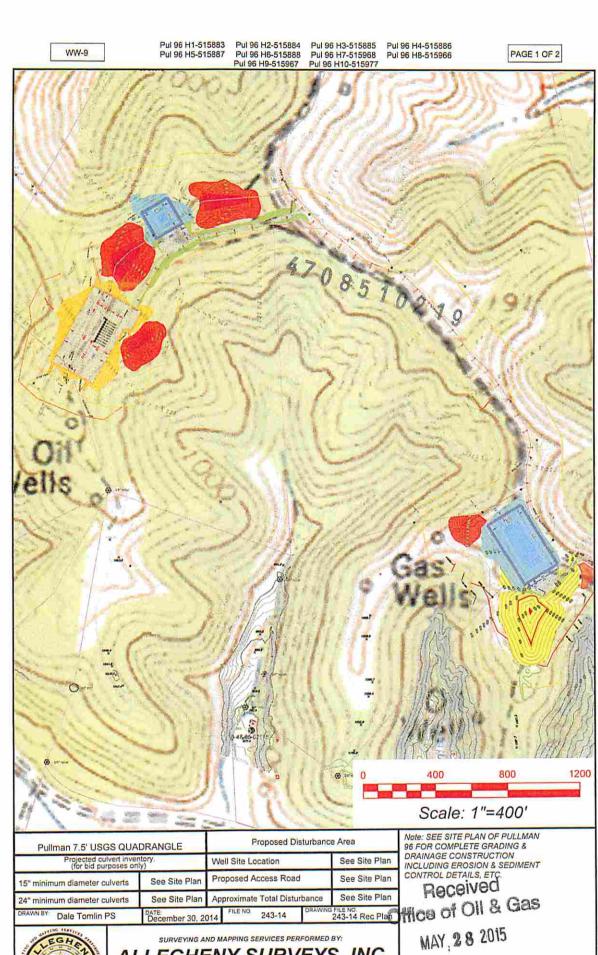
SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

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

Pul 96 H1-515883 Pul 96 H5-515887 Pul 96 H2-515884 Pul 96 H3-515885 Pul 96 H4-515886 Pul 96 H9-515967 Pul 96 H9-515967 Pul 96 H10-515977 WW-9 PAGE 1 OF 2 400 800 1200 Scale: 1"=400' Note: SEE SITE PLAN OF PULLMAN 96 FOR COMPLETE GRADING & Proposed Disturbance Area Pullman 7.5' USGS QUADRANGLE DRAINAGE CONSTRUCTION Projected culvert inventory (for bid purposes only) Well Site Location See Site Plan INCLUDING EROSION & SEDIMENT CONTROL DETAILS, ETC. Proposed Access Road See Site Plan See Site Plan 15" minimum diameter culverts See Site Plan 24" minimum diameter culverts See Site Plan Approximate Total Disturbance 243-14 Dale Tomlin PS December 30, 2014 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 07/24/2015 P.O. Box 438 Birch River, WV 26610





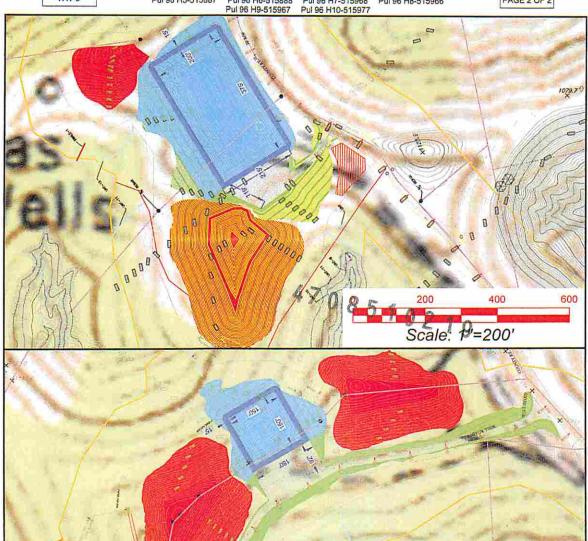
SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY 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



Proposed Disturbance Area Pullman 7.5' USGS QUADRANGLE rojected culvert inventory (for bid purposes only) See Site Plan Well Site Location See Site Plan Proposed Access Road See Site Plan 15" minimum diameter culverts See Site Plan See Site Plan Approximate Total Disturbance 24" minimum diameter culverts 243-14 Rec Plan 243-14 Dale Tomlin PS

SURVEYING AND MAPPING SERVICES PERFORMED BY:

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

P.O. Box 438 Birch River, WV 26610 96 FOR COMPLETE GRADING & DRAINAGE CONSTRUCTION INCLUDING EROSION & SEDIMENT CONTROL DETAILS, ETC.

Scale: 1"=200' Note: SEE SITE PLAN OF PULLMAN

Detail sketch for Wells WV 515883, 515884, 515885, 515886, 515887, 515888, 515968,

515966, 515967, 515977



07/24/2015

600

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 IN 6.7 0 8 5 1 0 2 1

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



Where energy meets innovation 8 5 1 0 2 1 9

Site Specific Safety Plan

EQT PUL96 Pad

Pullman Ritchie County, WV

515883515885	
EQT Production Title 5/26/15	WV Oil and Gas Inspector Title Date

4708510219

EQT Production

Hydraulic Fracturing Monitoring Plan

Pad ID: PUL96

Ritchie County, WV

3/6/2015

Received
Office of Oil & Gas
MAY 2 8 2015
Age 1 of 2

Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Ritchie County, Wyord to hydraulic fracturing at the following EQT wells on the PUL96 pad: 515883, 515884, 515885, 515886, 515887, 515888, 515965, 515967, 515977.

Due to the apparent presence of unique geological conditions, the potential for communication between deep geologic zones exists in this area. This potential communication, via natural gas, water, or both, may occur between hydraulically fractured wells in the Marcellus formation (approximately 6,400' TVD) and existing conventional natural gas wells in the partially-depleted, relatively high permeability Alexander formation (approximately 5,200' TVD).

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include pre-notification of conventional well operators of the timing and location of the hydraulic fracturing, establishment of measures conventional well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Conventional Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known conventional wells and well operators within 1,500 feet of this pad and the lateral sections. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

Upon approval of this plan, EQT will notify these operators, via letter, of the hydraulic fracturing schedule for these wells. A copy of this letter is included in **Attachment B**.

The letter provides recommendations to these conventional operators to 1) increase their monitoring of their wells during that time period, 2) ensure that their well head equipment is sound, and 3) provide immediate notification to EQT and the OOG in the event of any changes in their well conditions.

Specifically, the letter recommends that conventional well operators conduct the following activities during and after fracturing operations:

- Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions
- Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
- 3. Inspect or install master valves rated to 3,000 psi or other necessary equipment for wellhead integrity
- 4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

2. Reporting

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

Received Office of Oil & Gas MAY 28 2015

07/24/2015

Page 2 of 2

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625 Liberty Ave., Suite 1700 Pittsburgh PA 15222 www.eqt.com

TEL: (412) 395-3305 FAX: (412) 395-2156

John Centofanti Corporate Director, Environmental Affairs



March 9, 2015

[Conventional Well Operator] [address] [state] 4708510219

RE: Ritchie County Hydraulic Fracturing Notice

Dear Sir/Madam,

EQT has developed a Marcellus pad (Pullman 96 pad) located in Ritchie County, WV. As an owner or operator of conventional natural gas wells in this area, we are requesting your assistance in this matter.

Due to the apparent presence of unique geological conditions, the potential for communication between deep geologic zones exists in this area. This potential communication, via natural gas, water, or both, may occur between hydraulically fractured wells in the Marcellus formation (approximately 6,400' TVD) and existing conventional natural gas wells in the partially-depleted, relatively high permeability, Alexander formation (approximately 5,200' TVD).

EQT anticipates conducting hydraulic fracturing at the Pullman 96 pad during the second quarter of 2015. We have identified conventional natural gas wells operated by your company within 1,500' (lateral distance) of our new/planned laterals. Plats for each well on this pad are attached.

We recommend that conventional well operators conduct the following activities before, during, and after fracturing operations:

- Inspect surface equipment, prior to fracturing, to establish integrity and establish well conditions.
- Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas, or pressure.
- Inspect or install master valves rated to 3,000 psi or other necessary equipment for wellhead integrity.
- Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified.

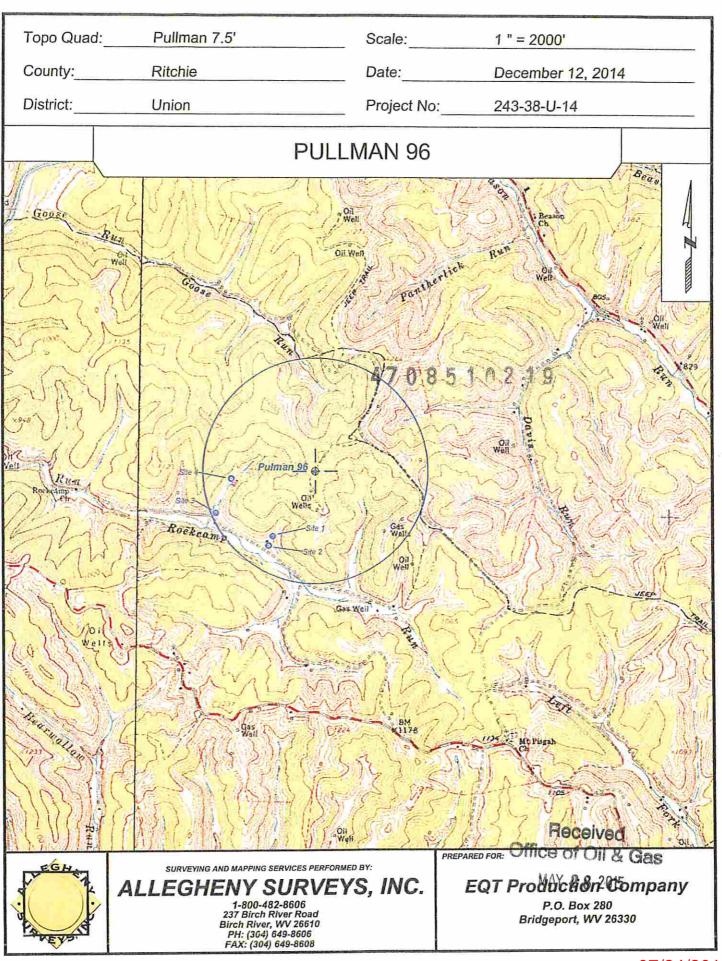
Please feel free to contact me at 412-395-3305 with any questions or comments. You may also contact the West Virginia Office of Oil and Gas at 304-926-0440.

Sincerely, EQT Production

John Centofanti Corporate Director, Environmental Affairs

cc: James Martin, WV Office of Oil and Gas

Received Office of Oil & Gas MAY 28 2015





Water Source Identification

EQT Well Pad Name: Pullman 96 Submittal Date: December 19, 2014
EQT Well Number:
Survey / Engineering Company: Allegheny Surveys, Inc.
Site Number: 1A Distance from Gas Well (feet): 1728 4708510219
Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle
Address: 1314 37 th St., Parkersburg, WV 26104 Phone #:
Field Located Date: <u>December 18, 2014</u> Owner home during survey (yes/no): <u>No</u>
Coordinates: 39.207098, -80.989121 (decimal degrees - NAD 83)
Contact Attempts (Date): 1 st : <u>12/15/14</u> 2 nd : <u>12/18/14</u> 3 rd : Date Door Hanger Left: <u>12/15/14</u>
Comments: This house is being used as a hunting camp. The first site is the water well
Site Number: 1B Distance from Gas Well (feet): 1953
Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle
Address: 1314 37 th St., Parkersburg, WV 26104 Phone #:
Field Located Date: <u>December 18, 2014</u> Owner home during survey (yes/no): <u>No</u>
Coordinates: <u>39.206520, -80.989428</u> (decimal degrees - NAD 83)
Contact Attempts (Date): 1 st : <u>12/15/14</u> 2 nd : <u>12/18/14</u> 3 rd : Date Door Hanger Left: <u>12/15/14</u>
Comments: This second site is a pond
Site Number: 2A Distance from Gas Well (feet): 2398 Surface Owner / Occupant: Delores Jean Moore Address: 1500 Peek Comp Rd. Harrisville, WW. 26363. Phone #1 304 643 6511
Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511 MAY : 28 2015
Field Located Date: December 15, 2014 Owner home during survey (Yes/No): Yes
Coordinates: 39.208474, -80.993526 (decimal degrees – NAD 83)
Contact Attempts (Date): 1 st : 12/15/14 2 nd : 3 rd : Date Door Hanger Left:
Comments: This first site is the water well next to the house.

Site Number: 2B

Distance from Gas Well (feet): 1882

Surface Owner / Occupant: Delores Jean Moore

Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511

Field Located Date: <u>December 15, 2014</u> Owner home during survey (Yes/No): <u>Yes</u>

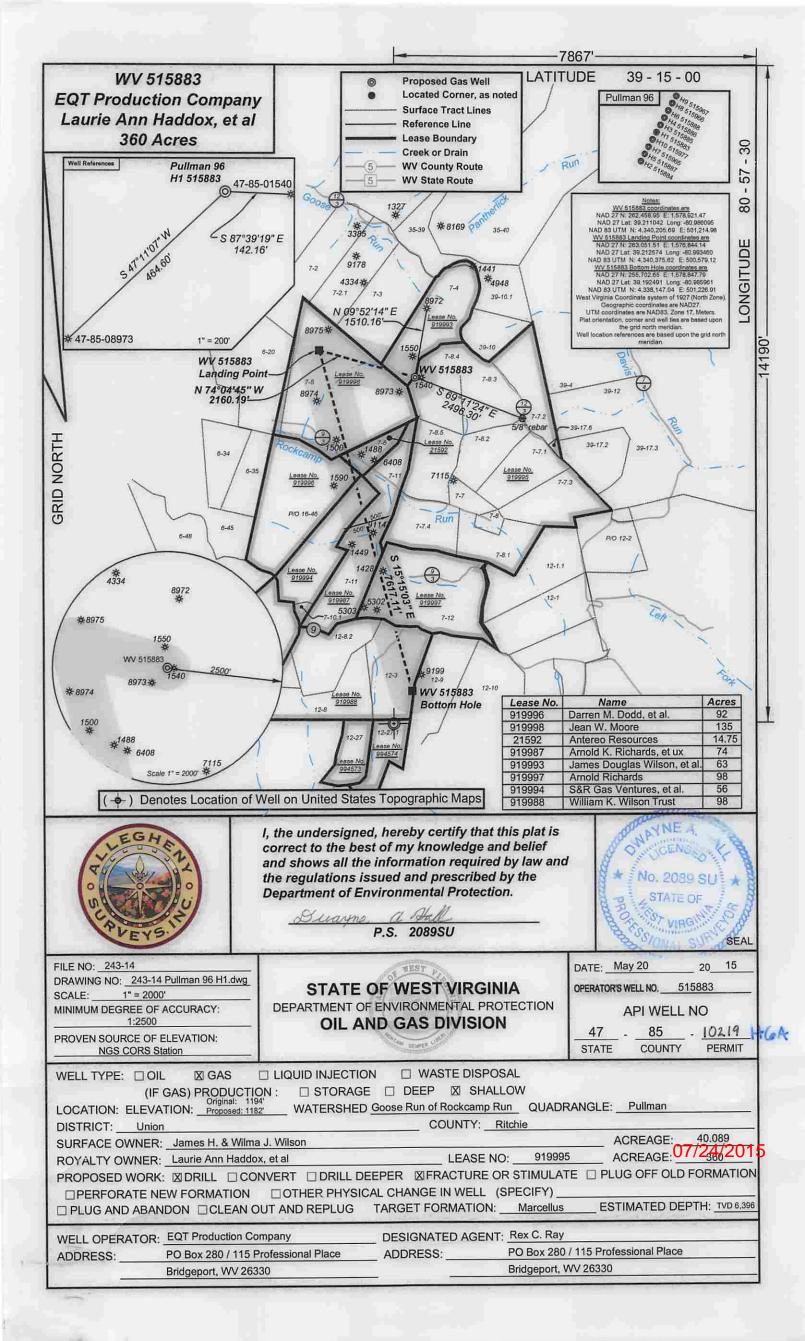
Coordinates: <u>39.210584, -80.992442</u> (decimal degrees - NAD 83)

Contact Attempts (Date): 1st: 12/15/14 2nd: ______ Date Door Hanger Left: _____

Comments: The second site is a pond.

4708510219

Received Office of OII & Gas MAY 28 2015



WW-6A1
(5/13)

Operator's Well No.

515883

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 pat, 0 8 5 1 0 2 1 9
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page	
919995					•
<u> </u>	James A. Wilson, et ux	R. W. Richards	1/8 Min pd.	LB79/542	
	R. W. Richards	J. E. Richards and C. W. Richards		LB80/78	
	J. E. Richards and C. W. Richards	Bolyard Oil & Gas, LTD		LB169/136	
	Bolyard Oil & Gas, LTD	Sheffield Exploration Co.		LB189/521	
	Sheffield Exploration Co.	M. S. Oil Co. (69.513% of working intere	st) and Applied Mechanics (Corp. LB208/268	
	M. S. Oil Co. (69.513%)	Applied Mechanics, et al		LB222/836	
	Applied Mechanics, et al	FS Limited Partnership		AB274/80	
	FS Limited Partnership	EQT Production Co.		AB274/102	
<u>919993</u>			1/8 Min pd.		
	Effie E. Wilson and James Wilson	J.E. Richards		LB79/346	
	J.E. Richards	J. E. Richards and C.W. Richards		LB79/407	
	J.E. Richards and C.W. Richards	P.O. Burgy, B.S. Marshall, L.B. Burgy &	Rollo Riggs	LB81/279	
	P.O. Burgy, B.S. Marshall, L.B. Burgy & Ro	ollo Riggs J. E. Richards and C.W. Richards		LB123/303	
	J. E. Richards and C.W. Richards	Applied Mechanics, et al		LB206/8	
	Applied Mechanics, et al	FS Limited Partnership		AB274/80	-inod
	FS Limited Partnership	EQT Production Co.		AB274/102	Received ffice of Oil & Gas MAY, 2 8 2015
				O	ffice of on
919998			1/8 Min pd.		MAY 2 6 COLD
	Robert D. Elder, et ux	N.M. Welch		LB81/521	
	N.M. Welch	Ohio-West Virginia Oil & Gas Co.		LB81/546	
	Ohio-West Virginia Oil & Gas Co.	N.M. Welch		LB82/425	
	N.M. Welch	J. E. Richards and C.W. Richards		LB82/500	
	J. E. Richards and C.W. Richards	Applied Mechanics, et al		LB206/8	
	Applied Mechanics, et al	FS Limited Partnership		AB274/80	
	FS Limited Partnership	EQT Production Co.		AB274/102	

919996

Ruby Dotson, et al	J. E. Richards	LB80/449
J. E. Richards	J. E. Richards and C. W. Richards	LB80/455
J. E. Richards and C. W. Richards	Applied Mechanics, et al	47 0 LB206/B- AB274/80
Applied Mechanics, et al	FS Limited Partnership	
FS Limited Partnership	EQT Production Co.	AB274/102

21592 1/8 Min pd.

 Little McDonald, et al
 Shenandoah Energy Co.
 LB148/765

 Shenandoah Energy Co.
 Gene Stalnaker
 LB152/486

 Gene Stalnaker
 Angus Energy, Inc.
 LB212/137

 Angus Energy, Inc.
 Stalnaker Energy Corp. (Name Change)
 CB6/225

 Stalnaker Energy Corp.
 Antero Resources Corp.
 LB264/875

Antero Resources Corp. EQT Production Co.

919994 I/8 Min pd.

Ethel M. Turner, widow
J. E. Richards
LB80/451

J. E. Richards
J. E. Richards and C. W. Richards
LB80/455

J. E. Richards and C. W. Richards
Applied Mechanics, et al

LB206/8

Applied Mechanics, et al

FS Limited Partnership
AB274/80

FS Limited Partnership
EQT Production Co.
AB274/102

919987 1/8 Min pd.

A. H. Hodge and Ona Hodge J. E. Richards LB80/449 J. E. Richards J. E. Richards and C. W. Richards LB80/455 J. E. Richards and C. W. Richards Bolyard Oil & Gas, LTD LB169/310 Bolyard Oil & Gas, LTD Sheffield Exploration Co. LB189/521 Sheffield Exploration Co. M. S. Oil Co. (69.513% of working interest) and Applied Mechanics Corp. LB208/268 M. S. Oil Co. (69.513%) Applied Mechanics, et al LB222/836 Applied Mechanics, et al FS Limited Partnership AB274/80

FS Limited Partnership EQT Production Co. AB274/102

4/102 Received
Office of Oil & Gas
MAY, 28 2015

04	•	•	-	-
91	J	y	a	1

1/8 Min pd.

	Pearl Hutchinson, et al	J. E. Richards	LB80/447
	J. E. Richards	J. E. Richards and C. W. Richards	LB80/455
	J. E. Richards and C.W. Richards Applied Mechanics, et al	Applied Mechanics, et al. 7 0 8 5 1 0 FS Limited Partnerships	2 1 Q LB206/8 AB274/80
	FS Limited Partnership	EQT Production Co.	AB274/102
<u>919988</u>		1/8 Min pd.	
	Arden Wilson, et ux	J. E. Richards	LB81/515
	J. E. Richards	J. E. Richards and C. W. Richards	LB80/455
	J. E. Richards and C.W. Richards	Applied Mechanics, et al	LB206/8
	Applied Mechanics, et al	FS Limited Partnership	AB274/80
	FS Limited Partnership	EQT Production Co.	AB274/102

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: By:
Its: Permitting Supervisor Page 3 of 3

Aeceived Office of Oil & Gas MAY 2 8 2015

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

	NOTICE CENTIFICATION	
Date of Notice Certification: 5/21/2015	API No. 47 Operator's Well No. Well Rad Name:	085 - 0 515883 PUL96
Notice has been given:		
	22-6A, the Operator has provided the required parties w	ith the Notice Forms listed
below for the tract of land as follows:	, == orr, and operator that provides & required parties in	iai are riedee i errie detea
State: WV	UTM NAD 83 Easting:	501,214.98
County: Ritchie	UTM NAD 83 Northing:	4,340,205.69
District: Union	Public Road Access:	CR 7/4
Quadrangle: Pullman	S STREET STREET, STOCKES	ames H & Wilma J Wilson
Watershed: Goose Run of Rockcamp Run		arriage / Tarriage / Trinochi
requirements of subsection (b), section sixteen of the Virginia Code § 22-6A-11(b), the applicant shall tend of this article have been completed by the applicant shall the complete by the applicant shall be seen to be subsection (b).		nd Pursuant to West
Pursuant to West Virginia Code § 22-6A, the Oper that the Operator has properly served the required		OOG OFFICE USE ONLY
*PLEASE CHECK ALL THAT APPLY		
NOTICE OF SEISMIC ACTIVITY or	OTICE NOT REQUIRED BECAUSE NO EISMIC ACTIVITY WAS CONDUCTED	REQUIRED
NOTICE OF ENTRY FOR PLAT SURVEY	Y or ▼ NO PLAT SURVEY WAS CONDUCTED	☐ RECEIVED
NOTICE OF INTENT TO DRILL or	IOTICE NOT REQUIRED BECAUSE IOTICE OF ENTRY FOR PLAT SURVEY VAS CONDUCTED OR	RECEIVED/NOT REQUIRED
	VRITTEN WAIVER BY SURFACE OWNER PLEASE ATTACH)	
▼ NOTICE OF PLANNED OPERATION		☐ RECEIVED
▼ PUBLIC NOTICE		☐ RECEIVED
▼ NOTICE OF APPLICATION		☐ RECEIVED

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 MAY and a support of the Public Notice and I attach a MAY and a support of the Public Notice, the operator shall attach a MAY and a support of the Public Notice and I attach a MAY and I attach a support of the Public Notice and I attach a support of the Public N the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal 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. 07/24/2015

Received

WW-6AC (1/12)

Certification of	of Notice is hereby given:			
above, to the red signature confirm in this Notice Ce obtaining the info	, have as required under West Virginia Code quired parties through personal service mation. I certify under penalty of law that ertification and all attachments, and that formation, I believe that the information lise information, including the possibility	§ 22-6A, I have served the, by registered mail or by at I have personally examit based on my inquiry of the is true, accurate and communications.	e attached copies of the any method of delivery ined and am familiar wit hose individuals immedi aplete. I am aware that th	that requires a receipt or h the information submitted iately responsible for
Well Operator:	EQT Production Company	Address:	P.O. Box 280	47
By:	Victoria J. Roark	Bridgeport,	WV 26330	
Its:	Permitting Supervisor	Facsimile:	304-848-0040	
Telephone:	304-848-0076	Email:	vroark@eqt.com	
	MOTARY PMBLEC NOT Airitoise Al Burngardner Rt. 1, Box 4 Liberty, WV 25124 My Commission Expires July 27, 2018	Subscribed and sworn before	me this	day of May ,2015 Notary Public

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.

My Commission Expires

Received Office of Oil & Gas MAY 28 2015

WW-6A (9-13)

API NO.	47	-	085	2	0
OPERATOR WELL NO.					515883
Well Pad	Nam		PHI 96		

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

Notice Time Requirement: noti	ice shall be provided no later than the	he filing date of per	mit application.
Date of Notice: 5/27	2015 Date Permit Applie	cation Filed:	5/27/2015
Notice of:			
PERMIT FOR ANY	☐ CERTIFICATE O	F APPROVAL FOI	THE 4700540040
WELL WORK	CONSTRUCTION	N OF AN IMPOUN	DMENT OR PI# 7 0 8 5 1 0 2 1 9
Delivery method pursuant to	West Virginia Code § 22-6A-10(
☐ PERSONAL	REGISTERED	☑ METHOD (OF DELIVERY THAT REQUIRES A
SERVICE	MAIL	RECEIPT O	R SIGNATURE CONFIRMATION
for the construction of an requires a receipt or signa plat to each of the followithe surface tract or tracts disturbance as described i lessee, in the event the tracecord of the surface tract construction, enlargement water purveyor who is kn which is used to provide work activity is to take plin the lands, the applicant article one, chapter elever unless the lien holder is the	impoundment or pit as requiture confirmation, copies of ing persons: (1) The owners overlying the oil and gas least in the erosion and sediment couct of land on which the well to refracts overlying the oil and, alteration, repair, removal own to the applicant to have water for consumption by huace. (c)(1) If more than three that may serve the documents remay serve the documents remay of this code. (2) Notwiths the landowner. W. Va. Code I	ired by this artic the application, of record of the schold being decentrol plan subproposed to be a gas leasehold or abandonment a water well, spans or domest tenants in comparing any proposed. § 35-8-5.7.a is \$ 35-8-5.7.a	If the application, the applicant for a permit for any well work or for the shall deliver, by personal service or by registered mail or by any the erosion and sediment control plan required by section seven of surface of the tract on which the well is or is proposed to be located; weloped by the proposed well work, if the surface tract is to be used mitted pursuant to subsection (c), section seven of this article; (3) drilled is located [sic] is known to be underlain by one or more coal being developed by the proposed well work, if the surface tract is to of any impoundment or pit as described in section nine of this bring or water supply source located within one thousand five ic animals; and (6) The operator of any natural gas storage field mon or other co-owners of interests described in subsection (b) of a person described in the records of the sheriff required to be ovision of this article to the contrary, notice to a lien holder is not requires, in part, that the operator shall also provide the Well Site notice and water testing as provided in section 15 of this rule.
Application Notice	✓ WSSP Notice ✓ E&S Pla		Well Plat Notice is hereby provided to:
✓ SURFACE OWNER(Name:	(s) Wilma J Wi		COAL OWNER OR LESSEE : David R & Judy Wilson
Address:	214 N Churc		The state of the s
ridaress.	Harrisville WV 20		Harrisville WV 26362
			0
tenti	F 2 2 2000		See attached for additional coal owners.
Name:	James Douglas Wi		COAL OPERATOR
Address:	214 N Churc		
	Harrisville WV 20	A CONTRACTOR OF THE PARTY OF TH	3880
	See Atta		0
	S(s) (Road and/or Other Dist		0
Name:	Wilma J Wi		CLIDEA CE OWNED OF WATER WELL
Address:	214 N Churc Harrisville WV 20		SURFACE OWNER OF WATER WELL
	Hamsville W V 20	$\frac{0302}{0}$ Name	OR WATER PURVEYOR(s) : 0
Namar	Jamas Dauglas W		
Name:	James Douglas Wi		SS
Address:	214 N Churc		Received
	Harrisville WV 20	ohod	HERRING COE
C amprior and	See Atta	/ neu	OPERATOR OF ANY NATURAL GRASSIFIC RACE FIELD
☑ SURFACE OWNER		., / 📙	OPERATOR OF ANY NATURAL GASSISTORAGE FIELD
Name:	Wilma J Wi	ilson Name	: MAY 2 8 2015
Address:	214 N Churc		ss:
	Harrisville WV 20		
	See Atta		10 2 100 1 W NF
		*Pleas	se attach additional forms if necessary

WW-6A	L
(8-13)	

API NO. 47 - 085 -	· 0
OPERATOR WELL NO.	515883
Well Pad Name:	PUL96

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two fundre if the feet measured norizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the well control to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the moise, light, dux angles volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restricted by drawing occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding of the price of the secretary that the well location restrictions regarding of the price of the secretary that the well location restrictions regarding of the price of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the well location restrictions regarding of the secretary that the secretary that the secretary that the secretary that the secretary the secretary that dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47 - 085 - 0

OPERATOR WELL NO. 515883

Well Pad Name: PUL96

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 careful and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult will the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

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

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

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

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

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

WW-6A (8-13)

API NO. 47 OPERATOR WELL NO.

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.goy/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:

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

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

Received Office of Oil & Gas MAY 28 2015

Notice is nereby giv	en by:		
Well Operator:	EQT 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:

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

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

By: Victoria Roark

OFFICIAL SEAL IIIS: Permitting Supervisor

STATE OF WEST VIRGINIA

NOTARY PUBLIC

Nicholas L. Bumgardher

Rt. 1, Box 4

Liberty, WV 25124 My Commission Expir 7/27/20/8

My Commission Expires July 27, 2018

4708510219

Received Office of Oil & Gas MAY 2 8 2015

WW6-A

AdditionalSurface Owners:

Robert Brian Wilson 665 Nicolette Rd Parkersburg WV 26104

James Bardley Wilson 665 Nicolette Rd Parkersburg WV 26104

Ian David Wilson 80 Pullman Rd Harrisville, WV 26362

David R Wilson & Judy Wilson 42 School St Harrisville WV 26362

Jean W Moore 1590 Rock Camp Rd Harrisville WV 26362

AdditionalSurface Owners: Access Road

Robert Brian Wilson 665 Nicolette Rd Parkersburg WV 26104

James Bradley Wilson 665 Nicolette Rd Parkersburg WV 26104

lan David Wilson 80 Pullman Rd Harrisville, WV 26362

David R Wilson & Judy Wilson 42 School St Harrisville WV 26362 47085 CE 19

Received Office of Oil & Gas MAY 2 8 2015

AdditionalSurface Owners: Pits/Impoundments

James Douglas Wilson 214 N Church St Harrisville WV 26362

Robert Brian Wilson 665 Nicolette Rd Parkersburg WV 26104

James Bradley Wilson 665 Nicolette Rd Parkersburg WV 26104

Ian David Wilson 80 Pullman Rd Harrisville, WV 26362

David R Wilson & Judy Wilson 42 School St Harrisville WV 26362

Additional Coal Owners

James Douglas Wilson 214 N Church St Harrisville WV 26362

Wilma J Wilson 214 N Church St Harrisville WV 26362

Jean Moore 1590 Rock Camp Rd Harrisville WV 26362

Karen Roche 3131 Ellenboro Rd ✓ Harrisville WV 26362

Laurie Ann Haddox 1407 Pullman Rd Harrisville WV 26362

Linda D Hall 406 South Spring St Harrisville WV 26362

Mary E Props 579 Lambs Run Harrisville WV 26362

Oleta Jane Wilson 665 Nicolette Rd Parkersburg WV 26104

Oma Jean Wilson 886 Cherry Rd Massillon OH 44647 4708510219

Office of Oil & Gas MAY 28 2015 Topo Quad: Pullman 7.5' Scale: 1 " = 2000' Ritchie County: Date: December 12, 2014 District: Union Project No: 243-38-U-14 **PULLMAN 96** Oil Wen Pulman 96 Received. PREPARED FOR: ALLEGHENY SURVEYS, INC. EQT Production Company 1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608 P.O. Box 280 Bridgeport, WV 26330

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

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

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

Date Permit Application Filed:

Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

Delivery method	pursuant to West Virginia Code § 22-6A-16(b)			
⊢ HAND DELIVERY	CERTIFIED MAIL RETURN RECEIPT REQUESTED	RN		
receipt requested drilling a horizont of this subsection subsection may be	a. Code § 22-6A-16(b), at least ten days prior to filin or hand delivery, give the surface owner notice of al well: Provided, That notice given pursuant to sub as of the date the notice was provided to the surface waived in writing by the surface owner. The notic cosimile number and electronic mail address of the	its intent to enter un section (a), section ace owner: Provided e, if required, shall	pon the surface owner's iten of this article satisfiel, however, That the notice include the name, addres	and for the purpose of the requirements e requirements of this s, telephone number, Q
Notice is hereby p Name: Address:	wilma J. Wilson 214 N. Church St. Harrisville, WV 26362	Name:Address:	ie I	James Douglas Wilson 214 N. Church St. Harrisville, WV 26362
	given: Virginia Code § 22-6A-16(b), notice is hereby given 's land for the purpose of drilling a horizontal well			itent to enter upon
State:	WV	UTM NAD 8	a Easting	501,214.98
County:	Ritchie	OTWINADO	Northing	4,340,205.69
District:	Union		Public Road Access:	12/3
Quadrangle:	Pullman 7.5'	Gene	rally used farm name:	Wilson
Watershed:	Goose Run of Rockcamp Run			
facsimile number related to horizon	Include: Virginia Code § 22-6A-16(b), this notice shall include and electronic mail address of the operator and the stall drilling may be obtained from the Secretary, at the Street, SE, Charleston, WV 25304 (304-926-0450	e operator's authori the WV Departmen	ized representative. Addit t of Environmental Protec	tional information tion headquarters,
Notice is hereby g	given by:			
Well Operator:	EQT Production Company	Authorized Repre	sentative:	Victoria Roark
Address:	115 Professional Place, P.O Box 280	Address:		115 Professional Place, P.O Box 280
	Bridgeport, WV 26330			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
Oil and Gas Priva	cy Notice:			Received

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of outcome Oil & Gas duties. Your personal information may be disclosed to other State accessive as third area.

duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as

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

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

MAY 28 2015

Operator Well No	
Operator Well No.	515883

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	e NOT been met or if the Notice of Intent to Drill require	ement has NOT been wa	nived in writing by the su	ırface owner.
Notice Time	Requirement: Notice shall be provided at least TEN (10) ce: 4-24-15 Date Permit App		ermit application.	
Delivery met	hod pursuant to West Virginia Code § 22-6A-16(b)			
⊢ HAND DELIVE	RY CERTIFIED MAIL RETURN RECEIPT REQUESTED	N	4708	510213
receipt reque drilling a hori of this subsec subsection m	N. Va. Code § 22-6A-16(b), at least ten days prior to filing sted or hand delivery, give the surface owner notice of it zontal well: Provided, That notice given pursuant to substition as of the date the notice was provided to the surfaction as of the date the notice was provided to the notice was provided in writing by the surface owner. The notice was provided to the control of the cont	its intent to enter upon section (a), section ten ce owner: Provided, ho e, if required, shall inclu	the surface owner's lan of this article satisfies th wever, That the notice re de the name, address, t	d for the purpose of he requirements equirements of this elephone number,
	eby provided to the SURFACE OWNER(s):	/		
Name: _	Robert Brian Wilson	Name:		James Bradley Wilson
Address:	665 Nicolette Rd	Address:		665 Nicolette Rd
	Parkersburg, WV 26104			Parkersburg, WV 26104
the surface ov	Vest Virginia Code § 22-6A-16(b), notice is hereby given to wner's land for the purpose of drilling a horizontal well on the purpose of drilling a horizontal well or the purpose of drilling a horizontal well and the purpose of drilling a horizontal well and the purpose of drilling and drilling a horizontal well	that the undersigned won the tract of land as fo	ell operator has an inter ollows: Easting	nt to enter upon 501,214.98
County:	Ritchie	O TIVI TAD 03	Northing	4,340,205.69
District:	Union	Pub	lic Road Access:	12/3
Quadrangle:	Pullman 7.5'	Generally u	ised farm name:	Wilson
Watershed:	Goose Run of Rockcamp Run			
facsimile num related to hor	hall Include: Vest Virginia Code § 22-6A-16(b), this notice shall include ober and electronic mail address of the operator and the rizontal drilling may be obtained from the Secretary, at ti 1 57th Street, SE, Charleston, WV 25304 (304-926-0450)	operator's authorized of the WV Department of E	representative. Addition invironmental Protectio	al information n headquarters,
Notice is here	eby given by:			
Well Operator:	CONTRACTOR AND	Authorized Representa	tive:	Victoria Roar
Address:	115 Professional Place, P.O Box 280	Address:		115 Professional Place, P.O Box 28
	Bridgeport, WV 26330			Bridgeport, WV 2633
Telephone:	304-848-0076	Telephone:		304-848-007
Email:	vroark@eqt.com	Email:		vroark@eqt.con
Facsimile:	304-848-0041	Facsimile:		304-848-004
				Received

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 duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as MAY 2 8 2015 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.

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 Requirement: Notice shall be provided at least TEN (10) Date of Notice: Date Permit App		
Delivery method pursuant to West Virginia Code § 22-6A-16(b)		
HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED	49 0 0 0	* * .
Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing receipt requested or hand delivery, give the surface owner notice of it drilling a horizontal well: Provided, That notice given pursuant to subs of this subsection as of the date the notice was provided to the surface subsection may be waived in writing by the surface owner. The notice and if available, facsimile number and electronic mail address of the o	ts intent to enter upon the surface owner's land for the pu section (a), section ten of this article satisfies the requirement se owner: Provided, however, That the notice requirement e, if required, shall include the name, address, telephone n	urpose of nents ts of this
Notice is hereby provided to the SURFACE OWNER(s): Name: Ian David Wilson Address: 4650 Pullman Drive Harrisville, WV 26362		udy Wilson 2 School St. WV 26362
Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given to the surface owner's land for the purpose of drilling a horizontal well of State: WV County: District: Union	On the tract of land as follows: UTM NAD 83 Rorthing Public Road Access:	501,214.98 4,340,205.69 12/3
Quadrangle: Pullman 7.5' Watershed: Goose Run of Rockcamp Run	Generally used farm name:	Wilson
This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include facsimile number and electronic mail address of the operator and the related to horizontal drilling may be obtained from the Secretary, at the located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450)	operator's authorized representative. Additional informathe WV Department of Environmental Protection headqua	rters,
Notice is hereby given by: Well Operator: EQT Production Company Address: 115 Professional Place, P.O Box 280 Bridgeport, WV 26330	Authorized Representative: Address: 115 Profe	Victoria Roark essional Place, P.O Box 280 Bridgeport, WV 26330
Telephone: 304-848-0076 Email: Vroark@eqt.com Facsimile: 304-848-0041	Telephone: Email: Facsimile:	304-848-0076 vroark@eqt.com 304-848-0041
Oil and Gas Privacy Notice: The Office of Oil and Gas processes your personal information, such as duties. Your personal information may be disclosed to other State age	s name, address and telephone number, as part of our encies or third parties in the normal course of business or	Received Ingrof Oil & Gas

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

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.

	equirement: Notice shall be provided at least TEN (10)		ition.
Date of Notice	e: 4-24-15 Date Permit App	lication Filed:	+-15
Delivery meth	nod pursuant to West Virginia Code § 22-6A-16(b)		
⊢ HAND DELIVEF	CERTIFIED MAIL RETURN RECEIPT REQUESTED	1	
receipt request drilling a horiz of this subsect subsection ma and if available	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 surfactly be waived in writing by the surface owner. The notice e, facsimile number and electronic mail address of the control of the contr	ts intent to enter upon the surface of section (a), section ten of this article section (a), section ten of this article security and the section (b).	wner's land for the purpose of satisfies the requirements he notice requirements of this address, telephone number,
	by provided to the SURFACE OWNER(s):		
Name: Address:	Jean W. Moore 1590 Rock Camp Rd. Harrisville, WV 26362	Address:	
State:	wner's land for the purpose of drilling a horizontal well of WV Ritchie	UTM NAD 83 Eastin	· ·
County: District:	Union	Northir Public Road Acces	
Quadrangle: Watershed:	Pullman 7.5' Goose Run of Rockcamp Run	Generally used farm nam	
facsimile num related to hor	3	operator's authorized representation to the WV Department of Environments	ve. Additional information al Protection headquarters,
Notice is here	by given by:		
Well Operator:	EQT Production Company	Authorized Representative:	Victoria Roark
Address:	115 Professional Place, P.O Box 280 Bridgeport, WV 26330	Address:	115 Professional Place, P.O Box 280 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
Oil and Gas Po	rivacy Notice: Dil and Gas processes your personal information, such a ersonal information may be disclosed to other State age	s name, address and telephone nun	Received The coive of State of Coil & Gas The course of business or as 2015

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

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(1/12)	

515883

STATE OF WEST VIRGINIA

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

Notice Ti Date of N	me Requirement: notice shall be pro Notice: 5/81/2016		n the filing da ermit Applic		pplication
Delivery	method pursuant to West Virginia C	ode § 22-6A-16(c)	Í		* /
	ERTIFIED MAIL ETURN RECEIPT REQUESTED	☐ HAND DELIVER	ΙΥ		
return rec the planne required t drilling of damages t	to W. Va. Code § 22-6A-16(c), no later that eipt requested or hand delivery, give the ed operation. The notice required by this to be provided by subsection (b), section the ahorizontal well; and (3) A proposed surface to the surface affected by oil and gas operatices required by this section shall be given	surface owner who subsection shall incl en of this article to ace use and compe ations to the extent	se land will be lude: (1) A cop a surface owne nsation agreen t the damages	used for the dril y of this code se er whose land w nent containing are compensabl	ling of a horizontal well notice of ction; (2) The information ill be used in conjunction with the an offer of compensation for e under article six-b of this chapter.
	nereby provided to the SURFACE OWNER		<u> </u>		
2007	dress listed in the records of the sheriff at				
Name: _		Wilma J Wilson	•		James Douglas Wilson
Address:	-	214 N Church St Harrisville WV 26362	•		214 N Church St Harrisville WV 26362
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ose of drilling a hori WV UTI Ritchie Union Pub		the tract of land Easting: Northing:	
Pursuant to to be prov horizontal surface af informatio	te Shall Include: to West Virginia Code § 22-6A-16(c), this revided by W. Va. Code § 22-6A-10(b) to a solution with the work of the expense of the work of the wor	urface owner whose compensation agretent the damages are tained from the Sec	e land will be usement contain re compensable cretary, at the	nis code section, used in conjuncti ning an offer of c e under article s WV Department	on with the drilling of a compensation for damages to the ix-b of this chapter. Additional cof Environmental Protection
Well Oper					l Place, P.O. Box 280
Telephone			Bridgeport, W	N. 40 CT 00 (000 - 100 /	
Email:	vroark@eqt.com		Facsimile:	304-848-0040	
Oil and G	as Privacy Notice:				Received

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory; & Gas duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business 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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(1/12)

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STATE OF WEST VIRGINIA

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

Date of Notice	5/27/ 20K	Date Permit Appl		5/27/2015
Delivery metho	od pursuant to West Virginia Code § 22-6A	-16(c)		
	FIED MAIL HAN RN RECEIPT REQUESTED DEL	ND IVERY		
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 ation. The notice required by this subsection should be subsection (b), section ten of this artiontal well; and (3) A proposed surface use and curface affected by oil and gas operations to the equired by this section shall be given to the surface.	er whose land will be all include: (1) A conclude icle to a surface owe compensation agreement the damage	e used for the drilling of 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 er of compensation for er article six-b of this chapter.
Notice is hereby	provided to the SURFACE OWNER(s)	-		
	sted in the records of the sheriff at the time of r	notice):		
Name:	Robert Brian	A CONTRACTOR OF THE CONTRACTOR		James Bradley Wilson
Address:	665 Nicol	1000	s:	665 Nicolette Rd
	Parkersburg WV	26104		Parkersburg WV 26104
	surface owner's land for the purpose of drilling WV Ritchie Union Pullman Goose Run of Rockcamp Run		n the tract of land as fol Easting: Northing:	
to be provided b horizontal well; a surface affected information rela	t Virginia Code § 22-6A-16(c), this notice shall in y 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 to cated at 601 57th Street, SE, Charleston, WV 25:	whose land will be on agreement conta ages are compensa the Secretary, at th	used in conjunction wit ining an offer of compe ble under article six-b of e WV Department of En	th the drilling of a insation 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:	204 040 0002	Bridgeport	110125220	
	304-848-0082	Bridgeport,	WV 26330	
Email:	vroark@eqt.com	Facsimile:	304-848-0040	

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory & Gas duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of the state needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office willy 28 2015 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)	

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

NOTICE	OF	PLANNED	OPERATION	
INCLICE	\mathbf{c}	LEWINIAFO	OFLINATION	

Notice Time Re Date of Notice	equirement: notice shall be pro:		than the filing on the Permit Appli	the state of the s	Slatlads
Delivery metho	od pursuant to West Virginia (Code § 22-6A-1	L6(c)		
	FIED MAIL RN RECEIPT REQUESTED	☐ HANE			
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 the quested or hand delivery, give the ration. The notice required by this rovided by subsection (b), section contal well; and (3) A proposed subserface affected by oil and gas oper equired by this section shall be given	e surface owner s subsection shal ten of this articl rface use and co erations to the e	whose land will be Il include: (1) A co le to a surface own mpensation agree xtent the damage	e used for the drilli by of this code sec her whose land wil ment containing a s are compensable	ing of a horizontal well notice of tion; (2) The information I be used in conjunction with the n offer of compensation for under article six-b of this chapter.
Notice is hereby	provided to the SURFACE OWNE	R(s)			
(at the address li	sted in the records of the sheriff a	at the time of no	tice):		
Name:		Ian David W			David R Wilson & Judy Wilson
Address:		80 Pullma	STATE DESCRIPTION OF THE PERSON OF THE PERSO		42 School St
		Harrisville, WV 2	.0302		Harrisville WV 26362
operation on the State: County: District: Quadrangle:	t Virginia Code § 22-6A-16(c), not surface owner's land for the purp Goose Run of Rockcamp Run			Easting: Northing:	
Watershed:	Goose Run of Rockcamp Run				
to be provided b horizontal well; surface affected information rela	It Virginia Code § 22-6A-16(c), this by W. Va. Code § 22-6A-10(b) to a and (3) A proposed surface use an by oil and gas operations to the e ted to horizontal drilling may be c cated at 601 57th Street, SE, Char	surface owner was compensation extent the damage obtained from the	whose land will be agreement conta ges are compensal e Secretary, at the	used in conjunction ining an offer of co le under article sistement WV Department	on with the drilling of a ompensation for damages to the x-b of this chapter. Additional of Environmental Protection
Well Operator:	EQT Production Company		Address:	115 Professional	Place, P.O. Box 280
Telephone:	304-848-0082		– Bridgeport,	The same of the sa	
Email:	vroark@eqt.com		Facsimile:	304-848-0040	

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 region wed duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business of Oil & Gas 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 you DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A5	
(1/12)	

515883

STATE OF WEST VIRGINIA

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

Date of Notice:	Da	ite Permit Appl	ication Filed:	5/27/2015
Delivery metho	d pursuant to West Virginia Code § 22-6A-1	L6(c)		
	TIED MAIL HAND N RECEIPT REQUESTED DELIV			
return receipt req the planned opera required to be pro drilling of a horizo damages to the su	c. Code § 22-6A-16(c), no later than the date for for the uested or hand delivery, give the surface owner of the surface owner of the subsection shall be subsection (b), section ten of this article on the surface use and contract well; and (3) A proposed surface use and contract affected by oil and gas operations to the expuring the surface of the surface use and the surface use and the surface affected by this section shall be given to the surface.	whose land will b Il include: (1) A co e to a surface ow mpensation agree xtent the damage	e used for the drilling py of this code section ner whose land will be ement containing an countries are compensable un	of a horizontal well notice of n; (2) The information e used in conjunction with the offer of compensation for order article six-b of this chapter.
Notice is hereby p	provided to the SURFACE OWNER(s)			
(at the address lis	ted in the records of the sheriff at the time of no	tice):		
Name:	Jean W M			
Address:	1590 Rock Cam Harrisville WV 2		S: 47085	10219
	given: Virginia Code § 22-6A-16(c), notice is hereby give surface owner's land for the purpose of drilling a			
State: County: District: Quadrangle: Watershed:	WV Ritchie Union Pullman Goose Run of Rockcamp Run	UTM NAD 83 Public Road Acc Generally used		501,214.980000 4,340,205.690000 CR 7/4 James H & Wilma J Wilson
State: County: District: Quadrangle: Watershed: This Notice Shall! Pursuant to West to be provided by horizontal well; ar surface affected b information relate headquarters, loc pages/default.asp	WV Ritchie Union Pullman Goose Run of Rockcamp Run Include: Virginia Code § 22-6A-16(c), this notice shall include: W. Va. Code § 22-6A-10(b) to a surface owner wind (3) A proposed surface use and compensation by oil and gas operations to the extent the damaged to horizontal drilling may be obtained from the atted at 601 57th Street, SE, Charleston, WV 2530 (x).	Public Road Acc Generally used to ude: (1)A copy of whose land will be agreement conta tes are compensa te Secretary, at the old (304-926-0450)	Northing: ess: farm name: this code section; (2) used in conjunction valining an offer of comble under article six-b e WV Department of E) or by visiting www.d	4,340,205.690000 CR 7/4 James H & Wilma J Wilson The information required with the drilling of a pensation for damages to the of this chapter. Additional environmental Protection ep.wv.gov/oil-and-gas/
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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 busines @GelVed needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will of Oil & Gas appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

MAY 2 8 2015



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

February 19, 2015

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 PUL 96 Pad Site, Ritchie County

 515883 PUL96H1
 515884 PUL96H2
 515885 PUL96H3

 515886 PUL96H4
 515887 PUL96H5
 515888 PUL96H6

 515965 PUL96H7
 515966 PUL96H8
 515967 PUL96H9

515977 PUL96H10

Dear Mr. Martin,

This well site will be accessed from Fermit #03-2015-0122 applied for by EQT Production Company for access to the State Road. The well site is located off of Ritchie County Route 12/3 SLS. Approved permit must be received before the start of construction.

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 O&G Coordinator

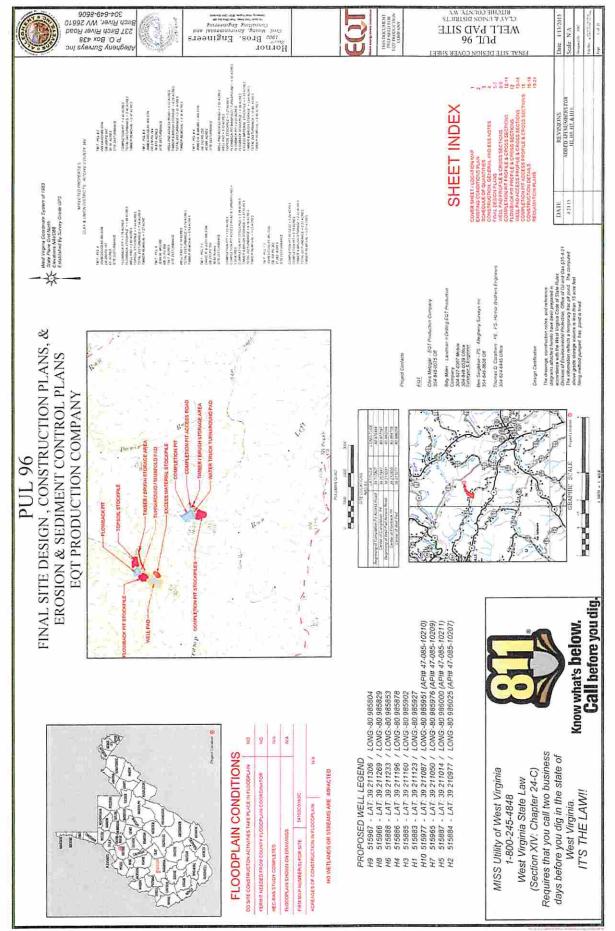
Cc: Nick Bumgardner

EQT Production Company

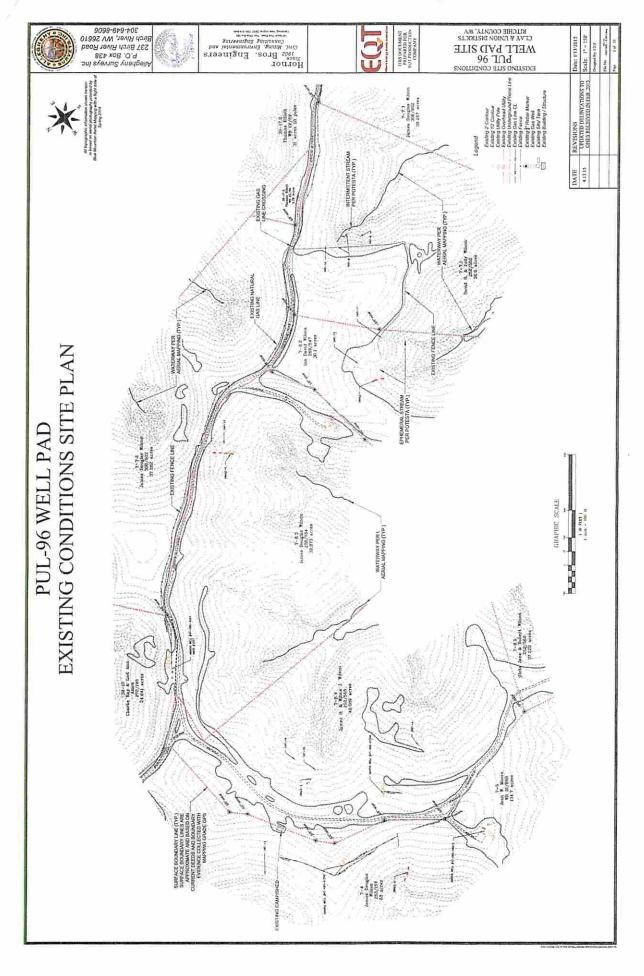
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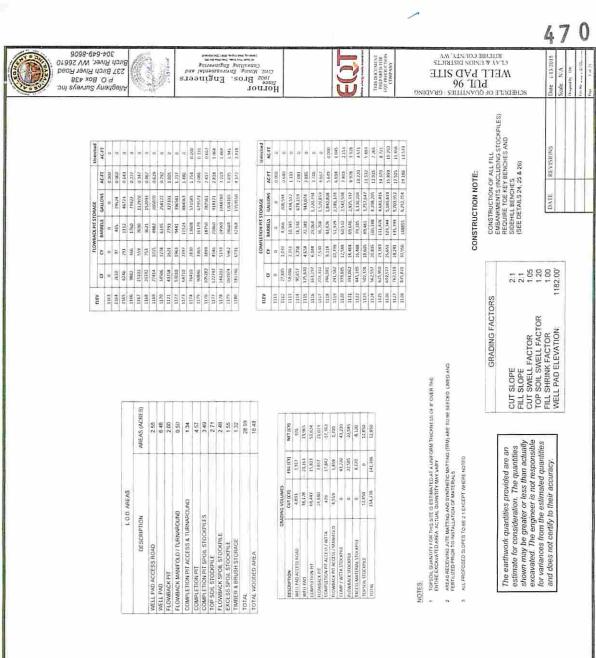
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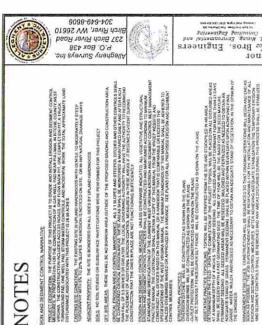
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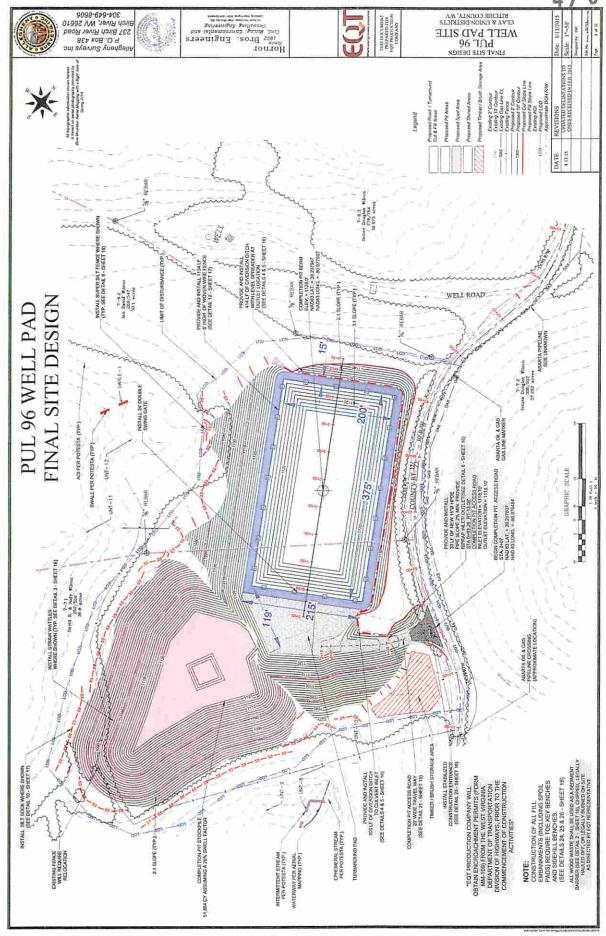
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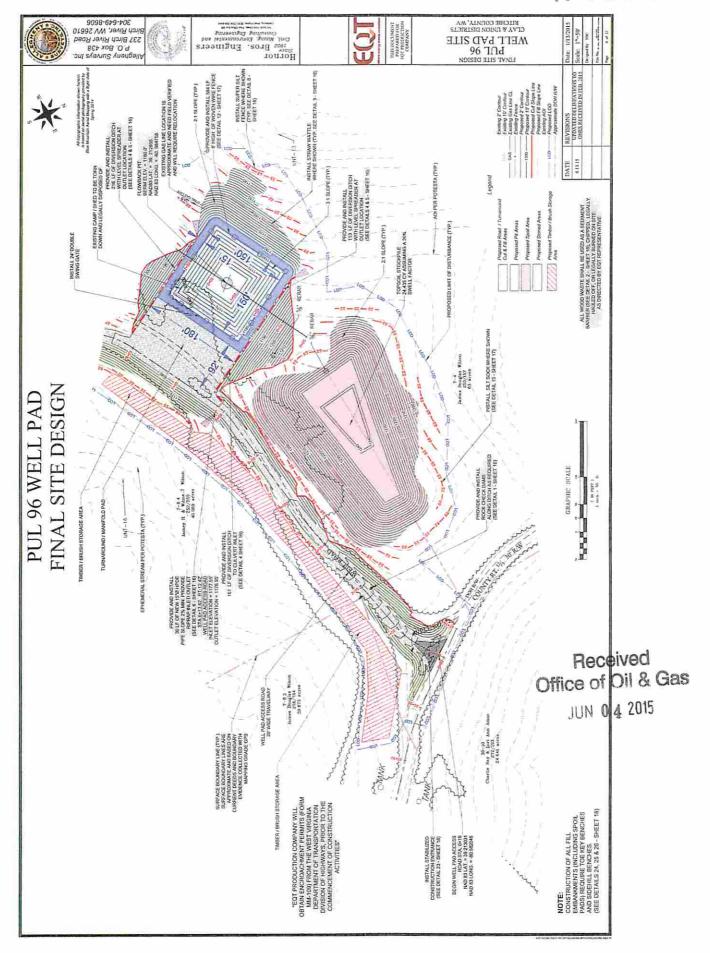
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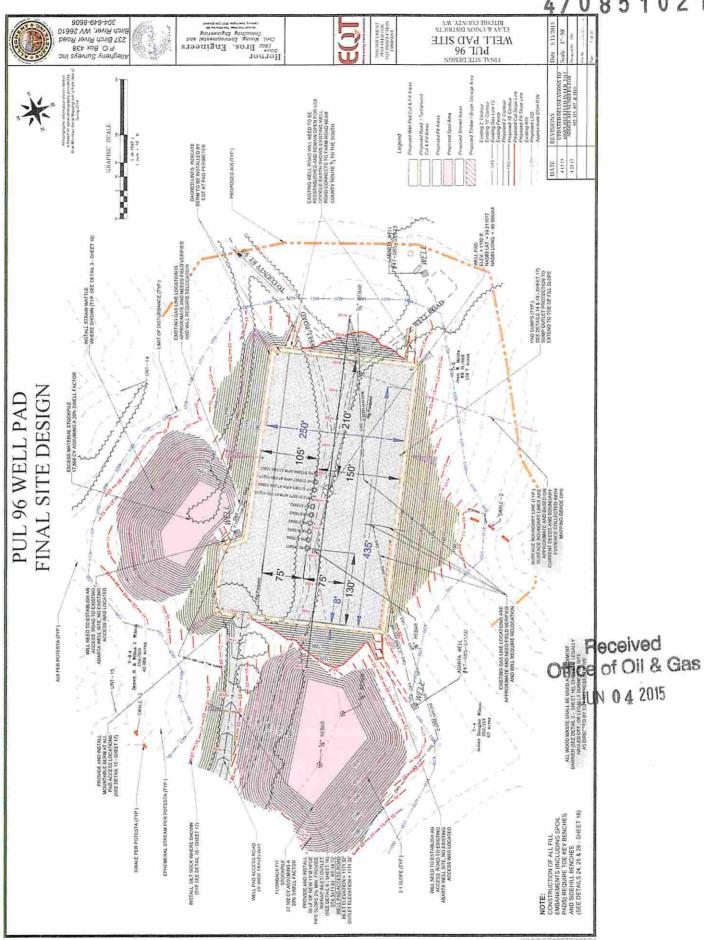
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