

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

September 16, 2014

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-10303016, 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 feet free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 515644

Farm Name: HENTHORN, DENCIL ET AL

API Well Number: 47-10303016

Permit Type: Horizontal 6A Well

Date Issued: 09/16/2014

PERMIT CONDITIONS

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

CONDITIONS

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.



4710303016

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS W.VA. CODE \$22-6A - WELL WORK PERMIT APPLICATION

1) Well Operator: EQT Produ	ction Company		-			
	out Company		Operator ID	103 County	District	254
			Operator ID	County	District	Quadrangle
2) Operator's Well Number: 51564			Well Pad Name: BIG3			BIG367
3) Farm Name/Surface Owner : Dencil Her			n et al	_Public Road Ac	cess;	Rt. 74
4) Elevation, current ground:	1,475.5	_ Eleva	tion, proposed p	ost-construction;	1,442.	.9
5) Well Type: (a) Gas	Oil		derground Store			
Other						
(b) If Gas:	Shallow	•	Deep			
	Horizontal	•				
6) Existing Pad? Yes or No:	yes ***					
8) Proposed Total Vertical Depth 9) Formation at Total Vertical De				7,574 Marcellus		
						
10) Proposed Total Measured De	enth			14,098		
11) Proposed Horizontal Leg Len	'	- '		5,042		
12) Approximate Fresh Water St	_			433, 478, & 70)5	
13) Method to Determine Fresh V				By offset well		
14) Approximate Saltwater Depth				, 2130, & 2168		·
l5) Approximate Coal Seam Dep				1, 882, 1019, 119	0, & 1680	
16) Approximate Depth to Possib	le Void (coal mi	ne, karst, oth			None repo	rted
17)Does proposed well locatio adjacent to an active mine?	n contain coal s	earns directl	y overlying or			
(a) If Yes, provide Mine Info:	Name:					
.,	Depth:					
	Coom.					
				DMH		
				• •		Page 1 of 3
				7-14-14		

09/19/2014

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WV Department of Environmental Protection WW - 6B (3/13)

CASING AND TUBING PROGRAM

TYPE	<u>Size</u>	<u>New</u>	Grade	Weight per	FOOTAGE:	INTERVALS:	CEMENT:
		<u>or</u> Used		<u>11.</u>	for Drilling	Left in Well	Fill- up (Cu.Ft.)
Conductor	26	New	MC-50	81	80	80	98 C.T.S.
Fresh Water	13 3/8	New	MC-50	54	956	956	832 C.T.S.
Coal							
Intermediate	9 5/8	New	MC-50	40	2,900	2,900	1,134 C.T.S.
Production	5 1/2	New	P-110	20	14,098	14,098	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	<u>Wellbore</u> <u>Diarneter</u>	<u>Wall</u> Thickness	<u>Burst</u> Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	26	30	0.312	•	Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,480	1	1.21
Coal						
Intermediate	9 5/8	12 3/8	0.395	3,590	1	1.21
Production	5 1/2	8 1/2	0.361	12,640		1.27/1.86
Tubing			·			
Liners					1	

<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.

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DMH 7-14-14

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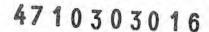
JUL 1 8 2014

WV Department of Environmental Protection (3/13)

Orill and complete a new horizontal well in the Marcellus Formation. The vertical drill to	o go down to an approximate depth of5,211'.
Then kick off the horizontal leg into the Marcellus using a slick water frac.	
20) Describe fracturing/stimulating methods in detail, including anticipated	d may pressure and may reto:
lydraulic fracturing is completed in accordance with state regulations using water recycled	- · · · · · · · · · · · · · · · · · · ·
reshwater sources. This water is mixed with sand and a small percentage (less than 0.3%)) of chemicals (including 15% Hydrochloric acid,
elling agent, get breaker, friction reducer, blockle, and scale inhibitor), referred to in the ind inlicipated treating pressures are expected to average approximately 8500 psl, maximum r	
approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately	
vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per s	stage.
t) Total area to be disturbed, including roads, stockpile area, pits, etc, (a	acres): no additional disturbance
22) Area to be disturbed for well pad only, less access road (acres):	no additional disturbance
23) Describe centralizer placement for each casing string.	no additional distribution
Surface: Bow spring centralizers - One at the shoe and one spaced even Intermediate: Bow spring centralizers - One cent at the shoe and one sp	
Production: One spaced every 1000' from KOP to Int csg shoe	aced every 500.
24) Describe all cement additives associated with each cement type. Used to speed the setting of cement slurries.	Surface (Type 1 Cement): 0-3% Calcium Chloride
0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the cem	
ntermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low to durries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of	
numes. 0.4% hake. Loss Circulation Material (CCM) is used to combat the loss of the tone.	whole driving hald of cement signly (not intrate)
Production:	
ead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening the	ma.
.3% CFR (dispersant). Makes cement easier to mix.	
Tail (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening t	······································
	inite.
2-0.3% CFR (dispersant). This is to make the cement easier to mix.	
0 % Calcum Carbonate. Acid solubility.	
,4-0.6% Halad (Iluid loss). Reduces amount of water lost to formation.	
25) Proposed borehole conditioning procedures. <u>Surface</u> : Circulate hole clear	n (Approximately 30-45 minutes) rotating & reciprocating
one full joint until cuttings diminish at surface. When cuttings returning to surface of	
minutes. To ensure that there is no fill, short trip two stands with no circulation. If t	
and circulate hole clean. A constant rate of higher than expected cuttings volume	
nd circulate note clean. A constant rate of higher than expected cuttings volume ntermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & reciproca	
urface. When cuttings returning to surface diminish, continue to circulate an add	intuita 5 miliotes. Il loam oming, to emanoc
ole cleaning use a soap sweep or increase injection rate & foam concentration.	
roduction: Pump marker sweep with nut plug to determine actual hole washout. Calc	
Perform a cleanup cycle by pumping 3-5 boltoms up or until the shakers are clean	n. Check volume of cultings coming across
the shakers every 15 minutes.	
*Note: Attach additional sheets as needed.	
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7-14-14

Office of Oil and Gas 09/19/2014 JUL 1 8 2014 WV Department of Environmental Protection





August 14, 2014

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 (BIG367) 47-103-03014, 03015, 03016, 03017

Dear Mr. Smith.

EQT is requesting the 13-3/8" surface casing be set at 956' KB, 50' below the red rock formation at 906' without setting below elevation. The previous wells drilled on this pad set 13-3/8" casing at approximately 956' KB. This will cover up red rock formations that have given EQT drilling issues in the past. We will set the 9-5/8" intermediate string at 2900' KB, into the Weir formation. The previous wells drilled on this pad set 9-5/8" casing at approximately 2900' KB.

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

Sincerely,

Vicki Roark

Permitting Supervisor

Enc.

EQT Production Well Name Elevation KB: Target Prospect Azimuth Coun Vertical Section 0' -1 7 Hole Size 30" - 26" Conductor at 80" Bit Size 17.5" 500' -705' Fresh Water Base 13 3/8", MC-50, 54.5# @ 1856 ILMD Δ Ν Bit Size 12.375" 1,000' -- 1,000 1,500' -- 1,500 2,000' -- 2,000 2,252' Maxton 2,304' Base Red Rock 2,500' — 2,408' Big Lime 2,509' Big Injun-2,500 2,804' Weir 2,900' Int. csg pt TOC @ 50#7025 9 5/8", MC-50, 40# @ 2400 II MD Δ - 3,000 3,000' -Bit Size 8.5" 2,954' -Gantz 3,004' -Fifty foot 3,097' -Thirty foot 3,222' -Gordon 3,314' -Forth Sand - 3,500 3,500' -3,470' -Bayard 3.836' -Warren 4,000' — 4,049' -Speechley - 4,000 4,500' — 4,399' -Balltown A - 4,500 5,000' — 4,834' -Riley - 5,000 KOP = 5,211 ft MD 10 Deg DLS - 5,500 5,500' — _{5,511'} -Benson 6,000' - 5,905' -Alexander - 6,000 Dat 1-14-14 - 6,500 6.500' -7,000' - 7,141' -Sonyea 7,291' -Middlesex 7,335' -Genesee - 7,000 Land © 8,556 ft MD 7,424' 7,449' -Geneseo -Tully 7,500' — 7,470' -Hamilton 7,565' -Marcellus -Hamilton - 7,500 5 1/2", P-110, 20# 13,598 It MD 7,574 ft TVD 7,621' Onondaga

- 8,000

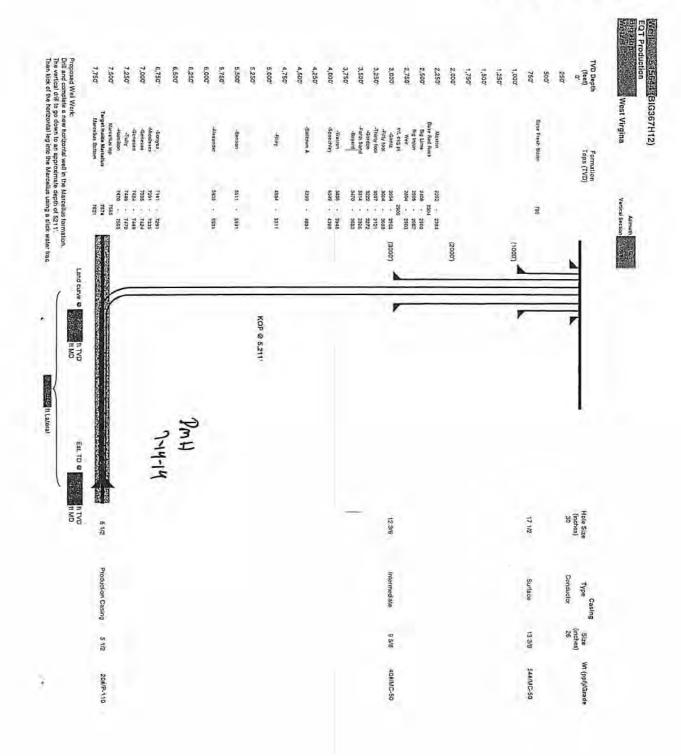
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WW-9 (5/13)

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API No. 47 _ 10	3 - 0
Operator's Well No	. 515644

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

Fluids/Cuttings Disposal & Reclamation Plan

generally used when drilling on air: lubricant, detergent, defoaming. Water based fluids use the following chemicals: MILBAR, viscositer, alkalinity control, lime, chloride salls, rate filtration control, deflocculant, tubricant, detergent, defoaming, watnut shell, x-cide, SOLTEX terra 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 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 Company Official Title Permitting Supervisor Subscribed and sworn before me this Aday of Lane Notary Public	Operator Name	BIG367	OP Code	
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: No: X If so please describe anticipated pit waste: Will a synthetic liner be used in the pit? Yes No X	Watershed (HUC10)	North Fork of Fishing Creek	Quadrangle	Big Run 7.5'
Will a pit be used? Yes:	Elevation	1442.9 County	Wetzel District	Grant
If so please describe anticipated pit waste: Will a synthetic liner be used in the pit? Yes	Do you anticipate using	more than 5,000 bbls of water to	complete the proposed well	work? Yes x No
Will a synthetic liner be used in the pit? Yes No X if so, what ml.? 60 Proposed Disposal Method For Treated Pit Wastes: Land Application Underground Injection (UIC Permit Number 0014, 8462, 4037) Heuse (at API Number 016 Supply form WW-9 for disposal location) Of the tile Disposal (Supply form WW-9 for disposal location) Other (Explain 1) Will closed loop system be used? Yes, The closed loop system will remove drill cuttings from the drilling fluid. The drill cuttings are then prepared for transportation to an off-site disposal facility. Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Additives to be used in drilling medium? MIBAR, Viscoelfer, Alkalinly Control, Lime, Chloride Saits, Rate Filtration Control, and the said to dill the curve and based. Additives to be used in drilling medium? MIBAR, Viscoelfer, Alkalinly Control, Lime, Chloride Saits, Rate Filtration Control, Deblocoutent, Lubricant, Detergent, Determing, Walmut Shell, X-Cide, SOLTEX Terra. Of the listed chemicals the following are generally used when drilling on air: lubricant, detergent, dete	•			
Proposed Disposal Method For Treated Pit Wastes: Land Application Underground Injection Quick Permit Number Off Site Disposal Other (Explain Other (Expl	If so please desc	· · ·		
Land Application Underground Injection (UIC Permit Number 0014, 8462, 4037) Reuse (at API Number Other (Explain) Other (Explain) Will closed loop system be used? Yes, The closed loop system will remove drill cuttings from the drilling fluid. The drill cuttings are then prepared for transportation to an off-site disposal facility. Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Sortee, intermediate, and Pitch tole sections, water based must be used to will be used? It let in pit and plan to solidly what medium will be used? (Cement, Line, sawdus) It will be used to will be used? It cartly 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 pervisions 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 cartly under penalty of the what I have personally exa	Will a synthetic I	iner be used in the pit? Yes	NoXIf	so, what ml.? 60
Trilling medium anticipated for this well? Air, freshwater, oil based, etc. Air is used to diff the bediened and process at the wellows. Aut is used to diff the bediened and process at the wellows. But is used to diff the correspond section. Additives to be used in drilling medium? MILBAR, Viscosler, Alkalinity Control, Lime, Chloride Salts, Rate Fitration Control, Deflocutiont, Lubricant, Detergent, Deterministic	Proposed Disp	Land Application Underground Injection (Reuse (at API Number Off Site Disposal (Suppl	UIC Permit Number)
If oil based, what type? Synthetic, petroleum, etc Additives to be used in drilling medium? MILBAR, Viscositer, Alkalinity Control, Lime, Chloride Salts, Rate Filtration Control, petroleum, etc Petrocculant, Lubricant, Detergent, Defoarning, Walnut Shell, X-Cide, SOLTEX Terra. Of the listed chemicals the following are generally used when drilling on air: lubricant, detergent, defoarning. Water based fluids use the following chemicals: MILBAR, viscosifer, alkalinity control, lime, chloride salts, rate filtration control, deflocculant, tubricant, detergent, defoarning, watnut shell, x-cide, SOLTEX terra Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill If left in pit and pian to solidify what medium will be used? (Cement, Line, sawdust) Landfill or offsite name/permit number? See Attached List I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLUTION 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. Leatify 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 Title Permitting Supervisor My companssion expires Again Title Titl	• •			s from the drilling
If oil based, what type? Synthetic, petroleum, etc Additives to be used in drilling medium? MILBAR, Viscosifer, Alkalinity Control, Lime, Chloride Salts, Rate Filtration Control, Deflocculant, Lubricant, Detergent, Defoaming, Walnut Shell, X-Cide, SOLTEX Terra. Of the listed chemicals the following are generally used when drilling on air: lubricant, detergent, defoaming. Water based fluids use the following chemicals: MILBAR, viscosifer, alkalinity control, lime, chloride salts, rate filtration control, deflocculant, tubricant, detergent, defoaming, walnut shell, x-cide, SOLTEX terra 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 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 talse information, including the possibility of fine or imprisonment. Company Official Title Permitting Supervisor Subscribed and sworn before me this 43 day of Artificant penalties for Subscribed and sworn before me this 43 day of Artificant penalties for Subscribed and sworn before me this 43 day of Artificant penalties for Subscribed and Supervisor	Drilling medium anticip	pated for this well? Air, freshwater,	Surface, Intermed	diate, and Pilot hole sections, water based
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Defloculant, Lubricant, Detergent, Detergent, Determing, Walnut Shell, X-Cide, SOLTEX Terra. Of the listed chamicals the following are generally used when drilling on air: lubricant, detergent, defoaming. Water based fluids use the following chemicals: MILBAR, viscositer, alkalinity control, lime, chloride salts, rate filtration control, deflocculant, tubricant, detergent, defoaming, walnut shell, x-cide, SOLTEX terra Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill - If let in pit and plan to solidify what medium will be used? (Cement, Line, sawdust) n/a - Landfill or offsite name/permit number? See Attached List 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 Company Official Title Permitting Supervisor Notary Public My commission spates Agy of A	•	• •		
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Subscribed and sworn before me this 13 day of	Company Official Signa Company Official (Type	tured Name)		
Notary Public RECEIVED My compression expires 7 2 7 20 18 Office of Oil and Games	Company Official Title		remiting Supervisor	
My companies 727 2018 Office of Oil and Garage	Subscribed and sworn t	perfore me this	ay of	
My companies 127 2018 Office of Oil and Garage	11/1	. 1		Notary Public
- "- "	My commission expires	7/27/2018		PECEIV 09/19/2014 OFFICE OF OIL AND GOUST SEAL STATE OF WESTLY RIGHIA MOTARY PUBLIC

4710303016

				Operato	rs Well No.		515644
Proposed Revegeta	tion Treatm	ent: Acres Dist	urbed	no additional	Prevegetation	n pH	6
Lime	3	Tons/a	cre or to c	orrect to pH	6.5		
Fertilize typ	ре						
Fertilizer A				e (500 lbs minimum)			
Mulch		2		Tons/acre			
			Se	ed Mixtures			
Seed Type KY-31	Temporary	lbs/acre 40		Seed Type Orchard Grass	Permanent	lbs/acre	
Alsike Clover		5		Alsike Clover		5	
Annual Rye		15					-
Photocopied section	of involved	7.5' topographi	c sheet.				
Plan Approved by:	1.						
							
Title: 01 + 6<	es Torre	es pr		Date:	/		
Field Reviewed?	(/)	Yes	() No		

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Office of Oil and Gas

JUL 1 8 2014

WV Department of
Environmental Protection

EQT Production Water plan Offsite disposals for Marcellus wells

CWS TRUCKING INC.

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

LAD LIQUID ASSETS DISPOSAL INC.

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

TRI COUNTY WASTE WATER MANAGEMENT, INC.

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

Waste Management - Meadowfill Landfill

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

Waste Management - Northwestern Landfill

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

BROAD STREET ENERGY LLC

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

TRIAD ENERGY

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

KING EXCAVATING CO.

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

09/19/2014

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JUL 0 8 2014

WV Department of Environmental Protection



Site Specific Safety Plan

EQT BIG 367 Pad

Jacksonburg

Wetzel County, WV

_515288	515643	515644	For Wells: 515645		
EQT Production Vitte U-re Date	Ing Spene	_	repared:	June 18, 2014 WV Oil and Gas Inspector Oil + 6sr Zo Title Date	

09/19/2014

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Office of Oil and Gas
JUL 1 8 2014

WV Department of
Environmental Protection

