

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 02, 2015

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-10303082, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

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

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 514555

Farm Name: CONSOLIDATION COAL COMPA

API Well Number: 47-10303082

Permit Type: Horizontal 6A Well

Date Issued: 07/02/2015

ATTIVUIIIUCI.	API Number:		
---------------	-------------	--	--

PERMIT CONDITIONS 7 10 3 0 3 0 8 2

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 conditions may result in enforcement action.</u>

CONDITIONS

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

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 Production Compan	v	306686	103	4	655		
		Operator ID	County	District	Quadrangle		
2) Operator's Well Number:	514555		_Well Pad Name	ei	OL109		
3) Farm Name/Surface Owner :	Consolidation Co.	al Co	_Public Road Ac	cess:	County Route 32		
4) Elevation, current ground: 1,507.0	Elevat	ion, proposed p	ost-construction:	1,460.0	<u> </u>		
5) Well Type: (a) Gas Oil	Un	derground Store	ige				
Other							
(b) If Gas: Shallow		Deep		Office	ECEIVED of Oil and Gas		
6) Existing Pad? Yes or No:no	•				30 2015		
7) Proposed Target Formation(s), Depth(s), A	17.		ociated Pressure(e 28 feet and antic	5).	Dartment of Intal Protection ure of 2620 PSI		
8) Proposed Total Vertical Depth:			7655				
9) Formation at Total Vertical Depth:							
10) Proposed Total Measured Depth:		11,411					
11) Proposed Horizontal Leg Length			3,180				
12) Approximate Fresh Water Strata Depths:			n/a				
13) Method to Determine Fresh Water Depth:		By offset wells					
14) Approximate Saltwater Depths:			n/a				
15) Approximate Coal Seam Depths:		806, 891, 941, 1077, 1237, 1317, 1346					
16) Approximate Depth to Possible Void (coa	mine, karst, other	er):		None repo	orted		
17)Does proposed well location contain co	al seams directly	y overlying or					
adjacent to an active mine?							
(a) If Yes, provide Mine Info: Name:							
Seam:							
Owner:							

Page 1 of 3

608/1/15

CASING AND TUBING PROGRAM

18)

TYPE	Size	<u>New</u> or Used	Grade	Weight per ft.	FOOTAGE: for Drilling	INTERVALS: Left in Well	CEMENT: Fill- up (Cu.Ft.)
Conductor	26	New	MC-50	77	40	40	49 C.T.S.
Fresh Water	13 3/8	New	J-55	54.5	1,383	1,383	1,221 C.T.S.
Coal	-	-	-	_	(=)		
Intermediate	9 5/8	New	A-500	40	3,530	3,530	1,367 C.T.S.
Production	5 1/2	New	P-110	20	11,411	11,411	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	Wellbore Diameter	Wall Thickness	Burst 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	2,730	* See Note 2	1.21
Coal						
Intermediate	9 5/8	12 3/8	0.395	3,950	* See Note 2	1.21
Production	5 1/2	8 1/2	0.361	12,640	•	1.27/1.86
Tubing						
Liners						

Packers

Kind:	N/A	
Sizes:	N/A	65
Depths Set:	N/A	Office of Ou

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

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

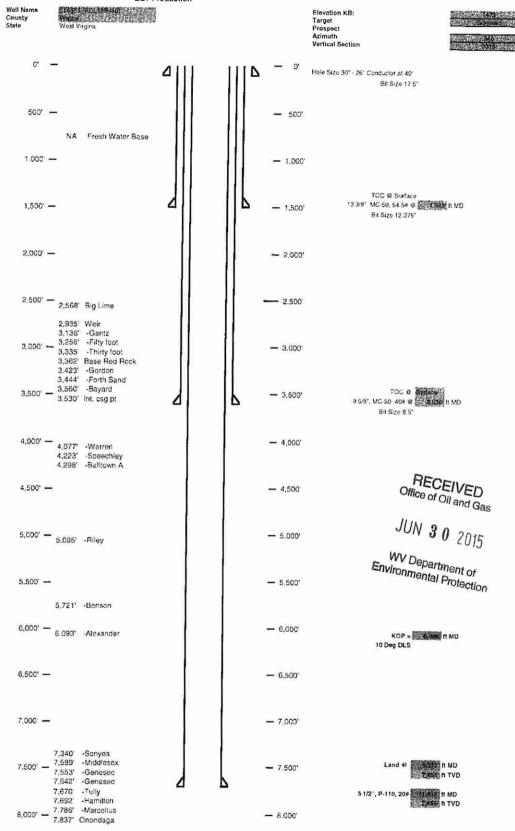
WV Department of Environmental Protection

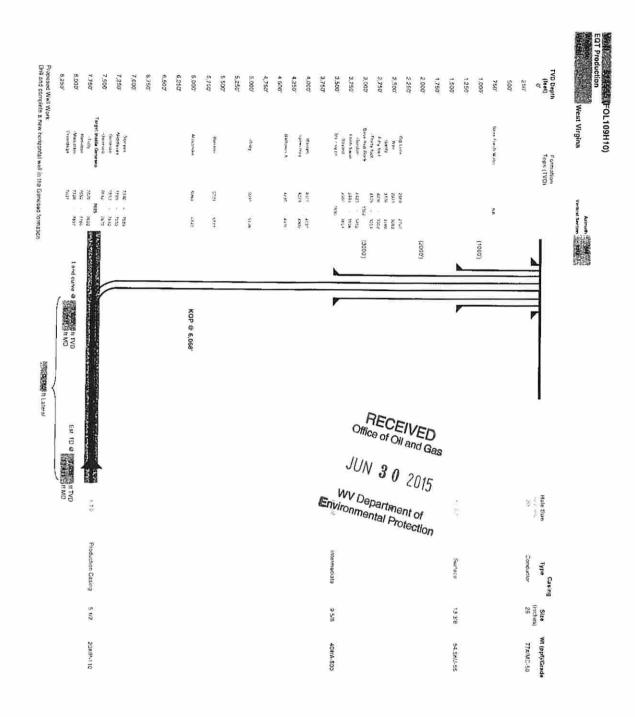
Page 2 of 3

GC 7/1/15

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:					
Drill and complete a new horizontal well in the Geneseo formation. The vertical drill to	go down to an approximate depth of 6068				
then kick off the horizontal leg into the Geneseo using a slick water frac.	***				
20) Describe fracturing/stimulating methods in detail, including anticipated	d max pressure and max rate:				
Hydraulic fracturing is completed in accordance with state regulations using water recycled fr freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%)	om previously fractured wells and obtained from				
gelling agent, gel breaker, friction reducer, biocide, and scale inhibitor), referred to in the indu	ustry as a "slickwater" completion. Maximum				
anticipated internal casing pressure is expected to average approximately 8500 psi, maximum					
approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 2 vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per stage.					
Vally will 100 mean to 20140 freah. Average approximately 200,000 pounds of saild per size	ige.				
21) Total area to be disturbed, including roads, stockpile area, pits, etc, (a	acres): 71.14				
22) Area to be disturbed for well pad only, less access road (acres):	37.14				
23) Describe centralizer placement for each casing string.	=7-X				
Surface: Bow spring centralizers – One at the shoe and one spaced every later and interpretations.					
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°.				
- The second of					
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	nent slurry to a thief zone.				
Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low te					
slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of	f whole drilling fluid or cement slurry (not filtrate)				
to a thief zone.					
Production:					
Lead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening time	ne.				
0.3% CFR (dispersant). Makes cement easier to mix.	RECEIVED Office of Oil and Gas				
Tail (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening ti	me.				
0.2-0.3% CFR (dispersant). This is to make the cement easier to mix.	JUN 3 0 2015				
60 % Calcuim Carbonate. Acid solubility.	MALO				
0.4-0.6% Halad (fluid loss). Reduces amount of water lost to formation.	WV Department of Environmental Protection				
0.4-0.6% Halad (libid loss). Heduces amount of water lost to formation.	Protection				
25) Proposed borehole conditioning procedures. <u>Surface</u> : Circulate hole cle	Anarovimatoly 20 45 minutes) relating 8 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 & reciproca					
surface. When cuttings returning to surface diminish, continue to circulate an add	ditional 5 minutes. If foam drilling, to enhance				
hole cleaning use a soap sweep or increase injection rate & foam concentration.	<u> </u>				
Production: Pump marker sweep with nut plug to determine actual hole washout. Calc	ulate a gauge holes bottoms up volume.				
Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clear	n. Check volume of cuttings coming across				
the shakers every 15 minutes.					
	CO				
*Note: Attach additional sheets as needed	06/16				

w.







June 25, 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 (FOL109)

Dear Mr. Smith,

EQT is requesting the 13 3/8" surface casing to be set at 1383' KB, 30' below the base of Pittsburgh Coal. We will set the 9-5/8" intermediate string at 3530' KB, below the offset production in the Gordon formation.

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

Sincerely,

Vicki Roark

Permitting Supervisor-WV

Enc.

Office of Oil and Gas

JUN 3 0 20/5

Environmental Protection



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

Re: Cement Variance Request

Dear Sir or Madam,

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

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

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

Con-

Environmental Resources Specialist / Permitting

Promoting a healthy environment.

RECEIVED
Office of Oil and Gas

FEB **09** 2015



47,0303082

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. Huffinan, Cabinet Secretary dep.wv.gov

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

)	ORDER NO.	2014 - 17
)		
)		
)		
)		
)		
))))) ORDER NO.)))))

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 and Gas

FEB **0 9 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.

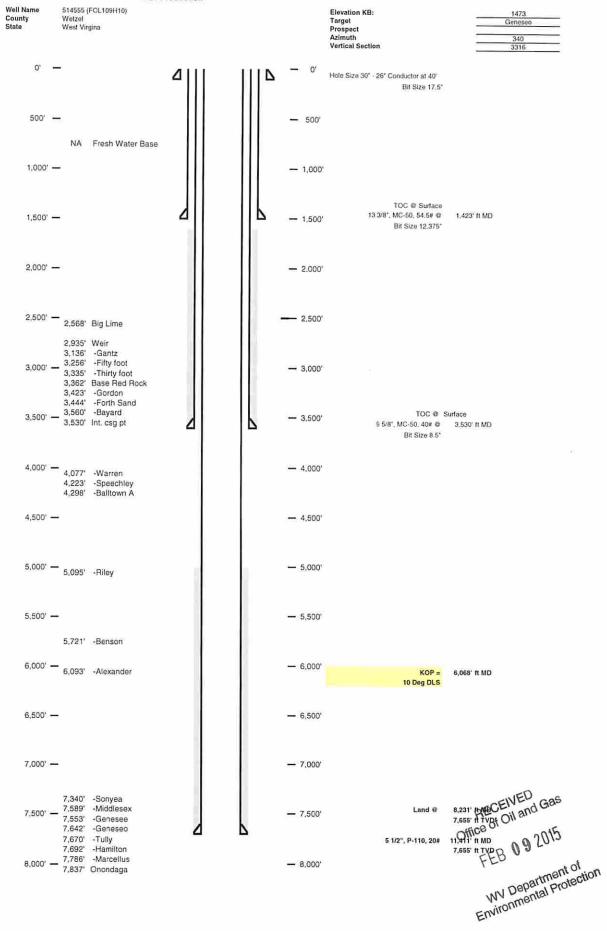
Dated this, the 18th day of March, 2014.

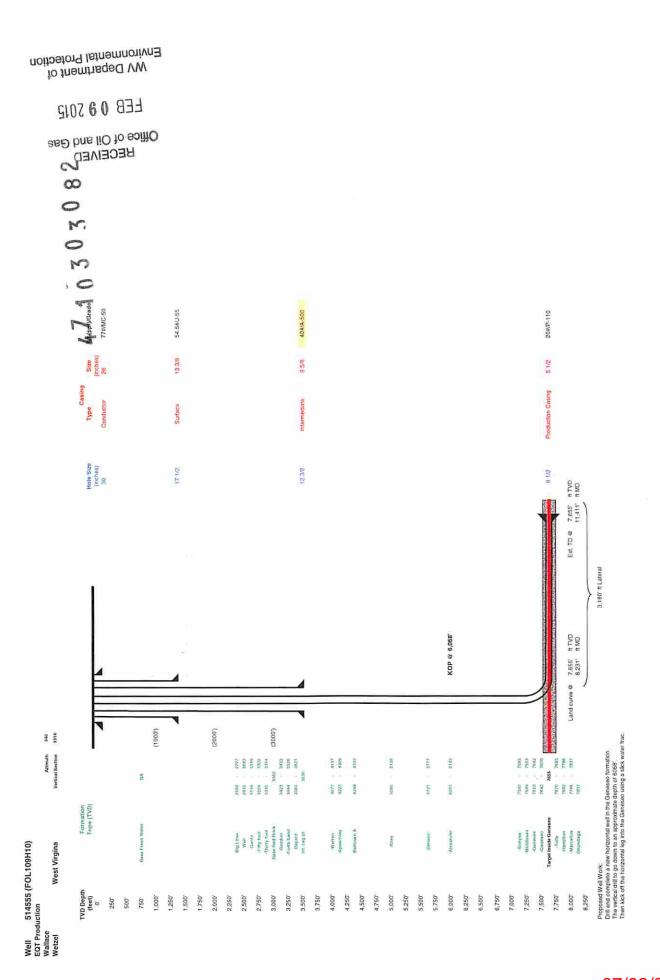
IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chref Office of Oil and Gas

RECEIVED
Office of Oil and Gas
FEB 09 2015
WV Department of
Environmental Protection





WW-9 (5/13)

Page	of
API No. 47 - 103	0
Operator's Well No.	514555

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

Fluids/Cuttings Disposal & Reclamation Plan

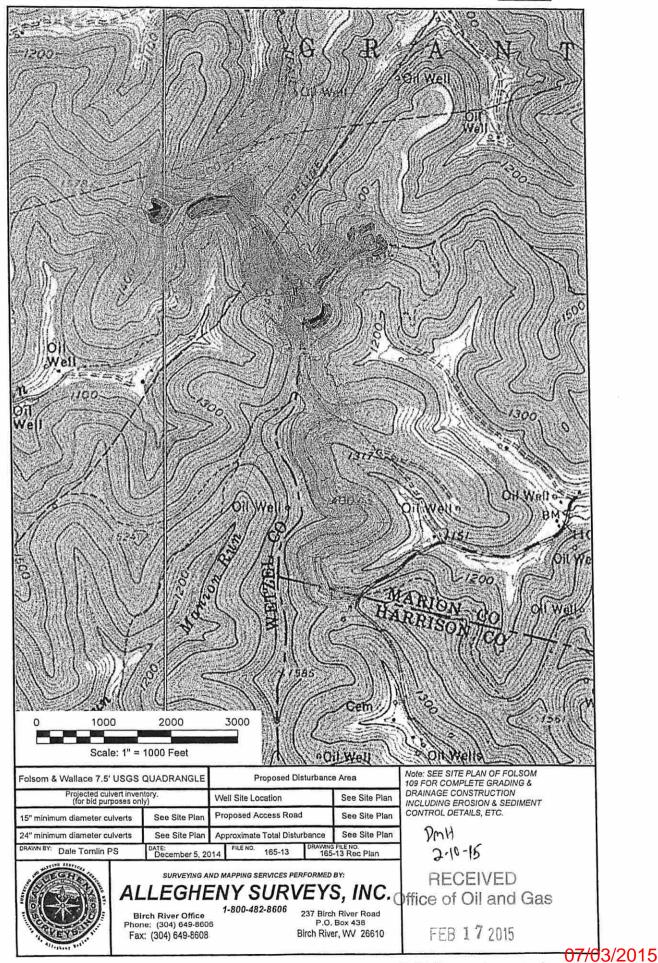
•	Fluic	is/Cuttings Dispos	ai & neciamano	ni Flatt		
Operator Name _	EQ	T Production Co.		OP Code	306686	-
Watershed (HUC1	0) Sams R	un of Fishing Creek	Quadra	ngle	Wallace	_
Elevation	1460.0	County	Wetzel	_ District	Grant	-
Do you anticipate	using more than 5,	000 bbls of water to	complete the pro	posed well wor	k? Yes <u>x</u> No	_
Will a pit be used	? Yes: X No	:				
•	se describe anticipate					_
•	thetic liner be used in	<u> </u>	X No	If so,	what ml.? 60	
•		For Treated Pit Wa				-
		pplication				
_		round Injection	(UIC Permit Nu		4, 8462, 4037	<u>)</u>
-		(at API Number Disposal (Sup	ply form WW-9 fo	various	tion)	1
_		(Explain)
Will closed loop s	ystem be used?	Yes, The closed loo	p system will remov	e drill cuttings fr	om the drilling	
fluid. The drill cutti	ngs are then prepare	d for transportation to	an off-site disposa	I facility.		_
Drilling medium	anticipated for this	well? Air. freshwate	er, oil based, etc.	Air is used to drill the	top-hole sections of the wellbore,	
Diming modium					, and Pilot hole sections, water based	<u> </u>
				mud is used to drill th	e curve and lateral.	_
If oil b	ased, what type? S	ynthetic, petroleum	, etc			_
Additives to be us	sed in drilling medic	ım? <u>MILBAR, Vi</u>	scosifer, Alkalinity Cor	ntrol, Lime, Chloride	Salts, Rate Filtration Control	<u>. </u>
		ng, Walnut Shell, X-Cide				
		, detergent, defoaming.				_
		lts, rate filtration control,	deflocculant, lubricar	nt, detergent, defo	aming, walnut shell,	ህሥ/7
x-cide, SOLTEX term		we in hit landfill re	moved offsite, etc		Landfill	— みパン・ら - みパン・ら
		ive in pit, landfill, rei y what medium will be u			n/a	— 7,10 ·)
	ill or offsite name/per			See Attached I		-
		the terms and condition has of the West Virginia				
		aw. Violations of any ten				
or regulation can lea	d to enforcement action					
I certify under	penalty of law that I hav	ve personally examined	and am tamiliar with t Inquiry of those individ	ne intormation sub fuals immediately i	responsible for obtaining	
the information, I bel	ieve that the information	n is true, accurate, and c	complete. I am aware	that there are sign	ificant penalties for HE	CEIVED
		ossibility of fine or impris			Office o	f Oil and Gas
0	l Ciamatura	-	Tuc	A 11	1	
Company Official			Victoria	J. Roark	· FEI	3 1 7 2015
Company Officia			Permitting Su	pervisor		
					WV De	partment of
Subscribed and	sworn before me th	nis /	day of	Jeb	Environm , 20 15	ental Protection
	Youls !	er			Notary Public	
My commission	evniree	Q	.24.22			11114411111111111111111111111111111111
My commission	exhiies				STA 'N	OFFICIAL SEAL OF

				Operato	r's Well No.	51	4555
Proposed Revegetati	on Treatmer	nt: Acres Dist	urbed	71.14	Prevegetation	n pH <u>6</u> .	.1
Lime	3	Tons/a	icre or to corre	ct to pH	6.5		
Fertilize type	·	Granular	10-20-20				
Fertilizer Arr	ount	1/3	ibs/acre (5	i00 lbs minimum)			
Mulch		2		_ Tons/acre			
			Seed	Mixtures			
Seed Type KY-31		lbs/acre 40		Seed Type Orchard Grass	Permanent	lbs/acre	
Alsike Clover		5		Alsike Clover		5	
Annual Rye		15					
Drawing(s) of road, load Photocopied section of				•			
Plan Approved by: _							
Title:	Inspect			rate:	7		
Field Reviewed?	()	Yes	() No		

RECEIVED
Office of Oil and Gas

JUN 29 2015

WV Department of Environmental Protection



WW-9

PAGE 2 OF 3



Folsom & Wallace 7.5' USGS QUADRANGLE Proposed Disturbance Area

Projected culvert inventory (for bid purposes only)* Well Site Location See Site Plan

15" minimum diameter culverts See Site Plan Proposed Access Road See Site Plan

24" minimum diameter culverts See Site Plan Approximate Total Disturbance See Site Plan

DRAWN 8Y: Dale Tomlin PS DATE:
December 5, 2014 FILE NO. 165-13 IORAWN FILE NO. 165-13 Rec Plan

SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

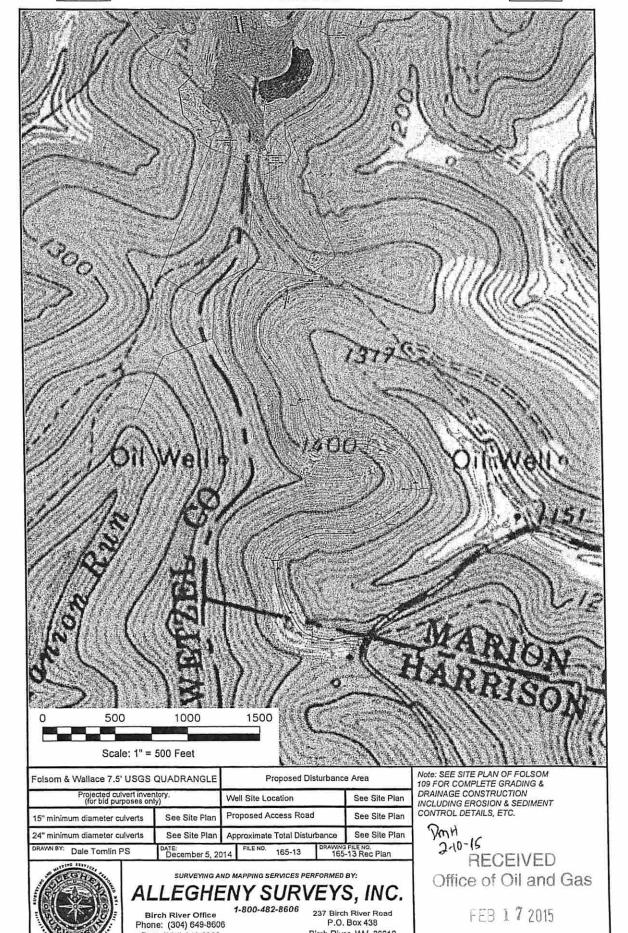
Birch River Office Phone: (304) 649-8606 Fax: (304) 649-8608 1-800-482-8606 237 Birch River Road P.O. Box 438 Birch River, WV 26610 Note: SEE SITE PLAN OF FOLSOM 109 FOR COMPLETE GRADING & DRAINAGE CONSTRUCTION INCLUDING EROSION & SEDIMENT CONTROL DETAILS, ETC.

ปีกห วะเง-เริ RECEIVED Office of Oil and Gas

FEB 1 7 2015

07/03/2015

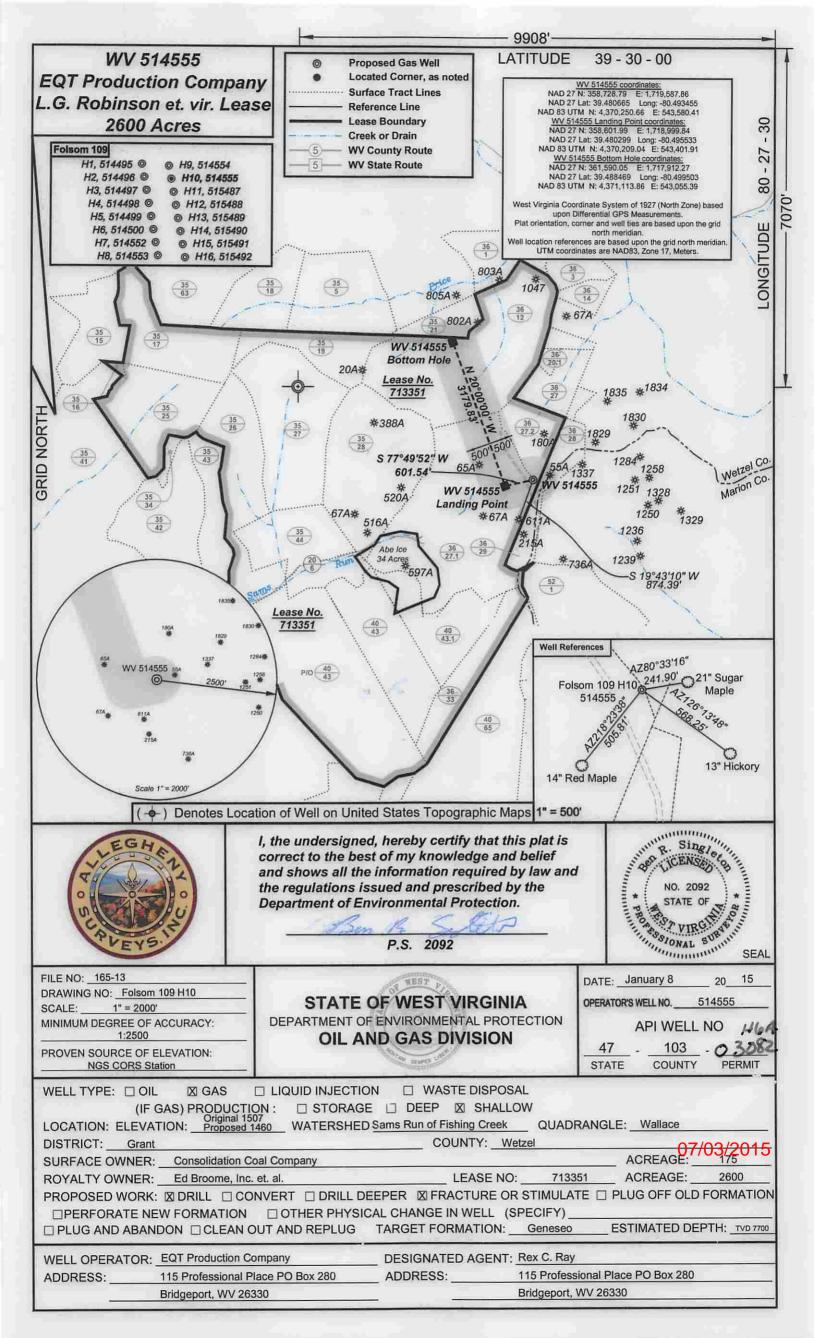
WW-9



Birch River, WV 26610

Fax: (304) 649-8608

WV Department c07/03/2015



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) 3 0 - 0 -

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 -

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

Lease Name or			1/8 Min Pd	
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<u>713351</u>	L.G. Robionson & J.S. Robinson	J.E. Carhahan		DB 73/266
	J.E. Carhahan	Carnegie Natural Gas Company		LB 22/313 Doddridge
	Carnegie Natural Gas Company	Carnegie Production Company		LB 78A/513
	Carnegie Production Company (USX)	Equitable Resources, Inc.		Unrecorded Purchase & Sale Agreement
	Equitable Resources, Inc.	EQT Production Company, a subsidiary of EQT Corporation		CB 13/230

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

RECEIVED Office of Oil and Gas

FEB 09 2015

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the vices of Oil and Gas permit in no way overrides, replaces, or nullifies the vices of Oil and Gas permits/approvals that may be necessary and further affirms that all needed permits/approvals should be received to the companies of the companie appropriate authority before the affected activity is initiated.

Well Operator:	EQT Production Company	
By:	West Ah	
Its:	Permitting Supervisor	
		Page 1 of 1

PURCHASE AND SALE AGREEMENT

PURCHASE AND SALE AGREEMENT, dated as of May 27, 1999 (this "Agreement"), by and between USX CORPORATION, a Delaware corporation, ("USX") and EQUITABLE RESOURCES, INC., a Pennsylvania corporation (hereinafter referred to as "Buyer").

WHEREAS, USX owns directly or indirectly all of the outstanding capital stock or other evidence of an equity interest of the following companies (each a "Carnegie Company" and collectively the "Carnegie Companies"), which are involved in one or more of the production, gathering, transportation, treatment, distribution and sale of natural gas: (i) Carnegie Natural Gas Company, a Pennsylvania corporation, ("Carnegie"), (ii) Carnegie Interstate Pipeline Company, a Delaware corporation, ("CIPCO"), (iii) Carnegie Production Company, a Pennsylvania corporation, ("CPC"), (iv) Carnegie Natural Gas Sales, Inc., a Delaware corporation, ("CNGS") and (v) Carnegie Gas Storage, LLC, a Delaware limited liability company, ("CGS"); and

WHEREAS, USX desires to sell to Buyer and Buyer desires either for itself and/or one or more designated subsidiaries to purchase from USX one hundred percent (100%) of the capital stock and other evidence of equity interest in the Carnegie Companies;

NOW, THEREFORE, for and in consideration of the premises and the representations, warranties, covenants and agreements herein set forth and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, agree as follows:

ARTICLE I

Unless otherwise specifically stated in the text of this Agreement, the following terms shall have the following meanings:

Section 1.1 The "1935 Act" shall mean the Public Utility Holding Company Act of 1935, as amended.

RECEIVED
Office of Oil and Gas

FEB 09 2015

WV Department of Environmental Protection

5.13 No Third-Party Rights. Nothing in this Agreement, expressed or implied, shall or is intended to confer upon any Person other than the parties hereto or their respective successors or assigns.

or their respective successors or assigns.

IN WITNESS WHEREOF, the parties have executed, delivered and 0 3 0 3 0 82 entered into this agreement as of the day and year first above written.

USX Corporation

Typed Name: V. G. Beghini Title: Vice Chairman - Marathon Group

Equitable Resources, Inc.

By: Jane: Cavid L.

Title: Senior Vice President and Chief Financial Officer

15

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

	ice Certification: FEB 0 6 2015	— Op	oerator's Well No. ell Pad Name:	03 - 0 514555 FOL109
		VV	eli Pau Name:	FOL109
lotice has	been given:			
	he provisions in West Virginia Code § 22-6	A. the Operator has provided the	required parties wit	h the Notice Forms listed
	tract of land as follows:	,		Time trades i atmo llates
State:	WV	UTM NAD 83 Easting:		4,370,251.00
County:	Wetzel	UTM NAD 83 Northing:		543,580.00
District:	Grant	Public Road Access:		CO 20/11
Quadrangle:	Wallace	Generally used farm name:		Consolidation Coal Co
Vatershed:	Sams Run of Fishing Creek			
of giving the equirements /irginia Cod	equired by subsections (b) and (c), section surface owner notice of entry to survey pur s of subsection (b), section sixteen of this a e § 22-6A-11(b), the applicant shall tender have been completed by the applicant.	suant to subsection (a), section to ticle were waived in writing by the	en of this article six-a e surface owner; and	a; or (iii) the notice d Pursuant to West
at the Ope	West Virginia Code § 22-6A, the Operator has properly served the required particular to the control of the cont		Certification	OOG OFFICE USE ONLY
LEASE C	HECK ALL THAT APPLY			DECENTED/NOT
NOTICE	OF SEISMIC ACTIVITY or V NOTICE SEISM	E NOT REQUIRED BECAUS IIC ACTIVITY WAS CONDUC	E NO	RECEIVED/NOT REQUIRED
			IED	
NOTICE	OF ENTRY FOR PLAT SURVEY or	- NO PLAT SURVEY WAS		☐ RECEIVED
	NOTICE OF INTENT TO DRILL or VICTOR	NO PLAT SURVEY WAS E NOT REQUIRED BECAUS E OF ENTRY FOR PLAT SU CONDUCTED OR	CONDUCTED	
	NOTICE OF INTENT TO DRILL OF WAS	CE NOT REQUIRED BECAUS CE OF ENTRY FOR PLAT SU	CONDUCTED E RVEY	☐ RECEIVED _ RECEIVED/NOT
NOTICE	NOTICE OF INTENT TO DRILL OF WAS	CE NOT REQUIRED BECAUS CE OF ENTRY FOR PLAT SU CONDUCTED OR TEN WAIVER BY SURFACE	CONDUCTED E RVEY	☐ RECEIVED _ RECEIVED/NOT
■ NOTICE	NOTICE OF INTENT TO DRILL OF INTENT TO DRIVE TO DRIVE TO DRILL OF INTENT TO DRIVE TO	CE NOT REQUIRED BECAUS CE OF ENTRY FOR PLAT SU CONDUCTED OR TEN WAIVER BY SURFACE	CONDUCTED E RVEY	☐ RECEIVED RECEIVED/NOT REQUIRED
▼ NOTICE ▼ PUBLIC	NOTICE OF INTENT TO DRILL OF INTENT TO DRIVE TO DRIVE TO DRILL OF INTENT TO DRIVE TO	CE NOT REQUIRED BECAUS CE OF ENTRY FOR PLAT SU CONDUCTED OR TEN WAIVER BY SURFACE	CONDUCTED E RVEY	RECEIVED RECEIVED/NOT REQUIRED RECEIVED
✓ NOTICE ✓ PUBLIC	NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE	CE NOT REQUIRED BECAUS CE OF ENTRY FOR PLAT SU CONDUCTED OR TEN WAIVER BY SURFACE	CONDUCTED EE RVEY OWNER	RECEIVED RECEIVED/NOT REQUIRED

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and of 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.

07/03/2015 the return receipt card or other postal receipt for certified mailing.

WW-6AC (1/12)

Certification of Notice is hereby given;	
6A. I certify that as required under West Virginia Cod above, to the required parties through personal service signature confirmation. I certify under penalty of law t in this Notice Certification and all attachments, and the	e § 22-6A, I have served the attached copies of the Notice Forms, identified ce, by registered mail or by any method of delivery that requires a receipt or that I have personally examined and am familiar with the information submitted nat based on my inquiry of those individuals immediately responsible for on is true, accurate and complete. I am aways that there are significant penalties lity of fine and imprisonment.
Well Operator: EQT Production Company	Address: P.O. Box 280
By: Victoria J. Roark	Bridgeport, WV 26330
Its: Permitting Supervisor	Facsimile: 304-848-0040
Telephone: 304-848-0076	Email: <u>vroark@eqt.com</u>
OFFICIAL SEAL STATE OF WEST VIRGINIA NOTARY PUBLIC NOTARY PUBLIC EQT Production PO Box 280 Bridgeport, WV 26330 My Commission Expires Aug. 24, 2022	Subscribed and sworn before methis day of August Notary Public My Commission Expires 8-24-22

Oil and Gas Privacy Notice:

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

FEEB 8 202915 WV Department of Environment of Control Projection Environmental 07/03/2015 WW-6A (9-13)

API NO.	47	Se :	103	 (
OPERATOR	WEL.	L NO.		 514555
Well Pad	Nam	e.		FOL109

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

Notice Time Requirement: notice shall be provided no later than the filing date	of permit application.
Date of Notice: FEB 0 6 2015Date Permit Application Filed:	
Notice of:	0 0 2
 ✓ PERMIT FOR ANY ✓ CERTIFICATE OF APPROVA WELL WORK CONSTRUCTION OF AN IMI 	
Delivery method pursuant to West Virginia Code § 22-6A-10(b)	
	HOD OF DELIVERY THAT REQUIRES A EIPT OR SIGNATURE CONFIRMATION
for the construction of an impoundment or pit as required by this requires a receipt or signature confirmation, copies of the application to each of the following persons: (1) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being disturbance as described in the erosion and sediment control plantlessee, in the event the tract of land on which the well proposed record of the surface tract or tracts overlying the oil and gas least construction, enlargement, alteration, repair, removal or abandon water purveyor who is known to the applicant to have a water which is used to provide water for consumption by humans or down activity is to take place. (c)(1) If more than three tenants in the lands, the applicant may serve the documents required upon article one, chapter eleven-a of this code. (2) Notwithstanding and unless the lien holder is the landowner. W. Va. Code R. § 35-8-	date of the application, the applicant for a permit for any well work or for a stricle shall deliver, by personal service or by registered mail or by any ation, the erosion and sediment control plan required by section seven of of the surface of the tract on which the well is or is proposed to be located; and developed by the proposed well work, if the surface tract is to be used an submitted pursuant to subsection (c), section seven of this article; (3) The to be drilled is located [sic] is known to be underlain by one or more coal ehold being developed by the proposed well work, if the surface tract is to ment of any impoundment or pit as described in section nine of this ell, spring or water supply source located within one thousand five comestic animals; and (6) The operator of any natural gas storage field a common or other co-owners of interests described in subsection (b) of on the person described in the records of the sheriff required to be any provision of this article to the contrary, notice to a lien holder is not 5.7.a requires, in part, that the operator shall also provide the Well Site ect to notice and water testing as provided in section 15 of this rule.
	 ✓ Well Plat Notice is hereby provided to: ✓ COAL OWNER OR LESSEE
Address: Engineering and Operations Support Dept - Coal CNX Center 1000 Consol Energy Dr	Name: Murray American Energy Inc Address: 1 Bridge Street Monongah WV 26554
0	See attached for additional coal owners. COAL OPERATOR Name: 0 Address: 0
riddress. Engineering and operations support 2 of our	SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Canonsburg, PA 15317	Name: Consolidation Coal Co 1000 Consol Energy Dr Canonsburg, PA 15317
	Office of Oil and Gas Operator of any natural gas storage FEB Name: FEB Operator of any natural gas storage FEB
CNV Control 1000 Control Francis Da	Address: WV Department of WV Department of *Please attach additional forms if necessary Environmental Protection
Sec althories	Trease attach additional forms if necessary

WW6-A

Additional Surface Owners:

Coastal Forest Resources Company P.O. Box 709 Buckhannon, WV 26201

Additional Surface Owners: Pits/Impoundments

Coastal Forest Resources Company P.O. Box 709 Buckhannon, WV 26201

Tall Timber Inc 4464 Mannington Road Smithfield, WV 26437

Additional Surface Owners: Access Road

Coastal Forest Resources Company P.O. Box 709 Buckhannon, WV 26201

James W Moore et al 707 Quaker Fork Road Wallace WV 26448

Tall Timber Inc 4464 Mannington Road Smithfield, WV 26437

Larry Hood 1007 Sams Run Road Folsom WV 26348

James Edward Gifford 2145 Big Elk Road Wallace WV 26448

Additional Coal Owners

Murray American Energy Inc C/O Murray Energy Corporation 46226 National Road St Clairsville OH 43950

CNX RCPC LLC CNX Center 1000 Consol Energy Drive Canonsburg PA 15317 4-10303082

RECEIVED
Office of Oil and Gas
FEB 9 2015
WV Department of
Environmental Protection

Additional Coal Owners

Consol Mining Company LLC Engineering and Operations Support Dept - Coal CNX Center 1000 Consol Energy Drive Canonsburg PA 15317

State of West Virginia Property Tax Division Albert T Summers Center P.O. Box 2389 Charleston, WV 25301

CBM Lessee:

CNX Gas Company LLC
Engineering and Operations Support Dept - Coal
CNX Center
1000 Consol Energy Drive
Canonsburg PA 15317

4710303082

RECEIVED
Office of Oil and Gas
FEB 9 2015
WV Department of
Environmental Protection
07/03/2015

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

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

WV Department OI
WV Departmental Protection
Environmental 07/03/2015

API NO. 47 - 103 - 0
OPERATOR WELL NO. 4 - 514555

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

FEB 09 2015

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

WW-6A (8-13) API NO. 47 - 103 - (
OPERATOR WELL NO. 514555
Well Pad Name: FOL109

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 TMRYY 602DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

RECEIVED
Office of Oil and Gas

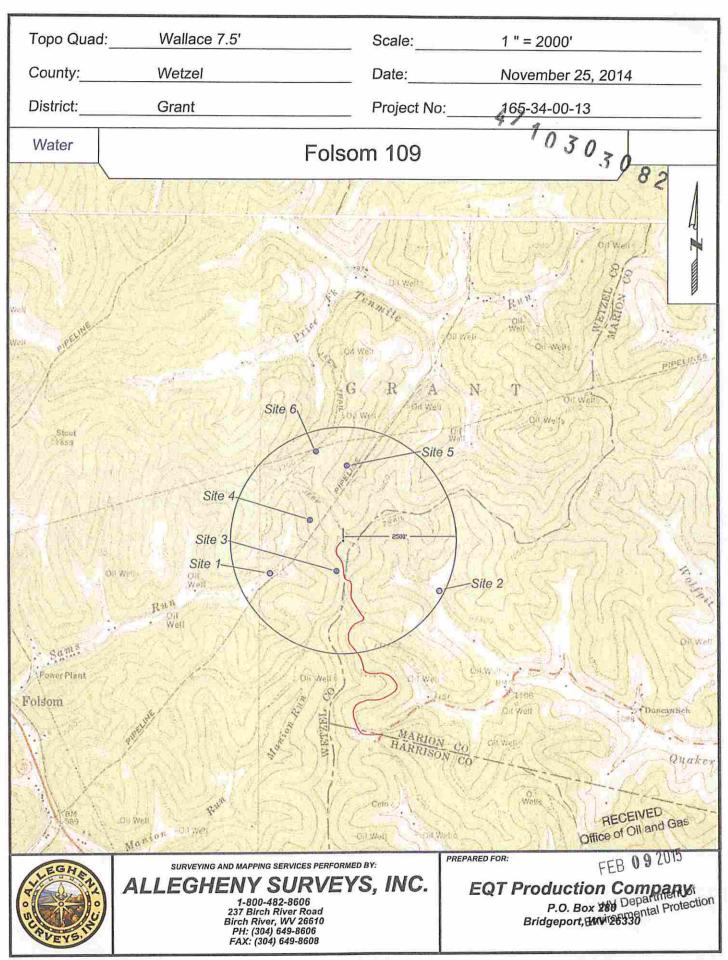
FEB 09 2015

WV Department of Environmental Protection 07/03/2015

Notice is hereby give	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
			4/10303082
Oil and Gas Privacy			
regulatory duties. You or as needed to comple appropriately secure y DEP's Chief Privacy I certify under penalty form and all attachme	ar personal information may be disc ly with statutory or regulatory requiny your personal information. If you ha Officer at depprivacyofficer@wv.go y of law that I have personally exam	losed to other State rements, including we any questions a cov. ined and am family those individuals	me, address and telephone number, as part of our reagencies or third parties in the normal course of business. Freedom of Information Act requests. Our office will about our use or your personal information, please contact iar with the information submitted on this application immediately responsible for obtaining the information,
	D V		
	OFFICIAL SEAL TATE OF WEST VIRGINIA NOTARY PUBLIC Dance Syles	ictoria Roark ermitting Supervised and sworn befor mission Expir	////

RECEIVED Office of Oil and Gas

FEB 0 9 2015



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

Notice Time Requirement: Notice shall be provided at least SE	EVEN (7) days but no more than FC	PRTY-FIVE (45) days prior to entry.
Date of Notice: 7/1/2014	Date of Planned E	htry: 3 7/8/2014 8 2
Delivery method pursuant to West Virginia Code § 22-6A-10	(a):	3082
PERSONAL SERVICE X CERTIFIED MAIL	METHOD OF DELIVERY THAT REQU	UIRES A RECEIPT OR SIGNATURE CONFIRMATION
Pursuant to West Virginia Code § 22-6A-10(a), prior to filing a p tract to conduct any plat surveys required pursuant to this article prior to such entry to: (1) The surface owner of such tract; (2) to pursuant to section thirty-six, article six, chapter twenty-two or records. The notice shall include a statement that copies of the and gas exploration and production may be obtained from the S a web page on the Secretary's web site, to enable the surface or	e. Such notice shall be provided at to any owner or lessee of coal sear if this code; and (3) any owner of state Erosion and Sediment Contri- decretary, which statement shall inc	least seven days but no more than forty-five days ms beneath such tract that has filed a declaration minerals underlying such tract in the county tax of Manual and the statutes and rules related to oil lude contact information, including the address for
Notice is hereby provided to:	2.	
X SURFACE OWNER(S) and Coal Consolidation Coal Company	MINI	ERAL OWNER(S)
Name: Engineering & Operations Support Dept. Coal	Name:	
Address: 1000 CONSOL Energy Drive Canonsburg, PA 15317-6506	Address:	
X COAL OWNER(S) SCIO Face W. Murray American Energy Inc. Name: Troy FreeIs 1 Bridge St	Ceal	
Address: Monongah, WV 26554-1076	Plea	se attach additional forms if necessary
Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby the tract of land as follows:	given that the undersigned well ope	erator is planning entry to conduct a plat survey on
State: West Virginia	Approx. Latitude & Longitude:	39.47413 / -80.50296
County: Wetzel	Public Road Access:	CR 20/6
Dist/Map/Par: Grant / Map 40 / Parcel 43, 43.1	Watershed:	Sams Run
Quadrangle: Folsom	Generally Used Farm Name:	
Copies of the state Erosion and Sediment Control Manual an obtained from the Secretary, at the WV Department of Environm (304-926-0450). Copies of such documents or additional infor www.dep.wv.qov/oil-and-gas/pages/default.aspx.	nental Protection headquarters, loca	ated at 601 57th Street, SE, Charleston, WV 25304
Notice is hereby given by:		
Well Operator: EQT Production Company	Address:	115 Professional Place, Bridgeport, WV 26330
Telephone: 304-848-0099	EQT Representative:	
Facsimile: 304-848-0040		42.11
Email: eqtlandentrynotice@eqt.com	Signature:	nathy Buge
		DECENCE GAS

Oil and Gas Privacy Notice:

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

WV Department of

Environmental Protection

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

Notice Time R	equirement: Notice shall be provided at least S	EVEN (7) days but no more than FC	DRTY-FIVE (45) days prior to entry.
Date of Notice	: 7/1/2014	Date of Planned E	intry: 7/8/2014
Delivery meth	od pursuant to West Virginia Code § 22-6A-1	0(a):	4/103030
	AL SERVICE X CERTIFIED MAIL	• •	UIRES A RECEIPT OR SIGNATURE SONDIRMATION
tract to conduct prior to such er pursuant to se records. The no and gas explore	t any plat surveys required pursuant to this artic htry to: (1) The surface owner of such tract; (2) ction thirty-six, article six, chapter twenty-two otice shall include a statement that copies of th	cle. Such notice shall be provided at to any owner or lessee of coal sea of this code; and (3) any owner of e state Erosion and Sediment Contr Secretary, which statement shall inc	Il provide notice of planned entry on to the surface least seven days but no more than forty-five days ms beneath such tract that has filed a declaration minerals underlying such tract in the county tax of Manual and the statutes and rules related to oil lude contact information, including the address for retary.
Notice is herel	by provided to:	9	
□ SU	IRFACE OWNER(S)	X MIN	ERAL OWNER(S)
Name:	Control of the Contro	White and the second	Douglas Broome
Address:	A CONTRACTOR OF THE CONTRACTOR	Address: PO	Box 186
Address.	20000	Gler	ville, WV 26351
co	OAL OWNER(S) OR LESSEE(S)		
		*Plea	se attach additional forms if necessary
Notice is here	ou divone		so disan dada si in ising it risossaaj
	st Virginia Code § 22-6A-10(a), notice is hereby	given that the undersigned well ope	erator is planning entry to conduct a plat survey on
State:	West Virginia	Approx. Latitude & Longitude:	39.47413 / -80.50296
County:	Wetzel	Public Road Access:	CR 20/6
Dist/Map/Par:	Grant / Map 40 / Parcel 43, 43.1	Watershed:	Sams Run
Quadrangle:	Folsom	Generally Used Farm Name:	
obtained from t	he Secretary, at the WV Department of Environ	mental Protection headquarters, loca	o oil and gas exploration and production may be ated at 601 57th Street, SE, Charleston, WV 25304 may be obtained from the Secretary by visiting
Notice is here	by given by:		
Well Operator:	EQT Production Company	Address:	115 Professional Place, Bridgeport, WV 26330
Telephone:	304-848-0099	EQT Representative:	Kathy Kugel
Facsimile:			Wath Was all
Email:	eqtlandentrynotice@eqt.com	Signature:	Mary Hager
personal inform	nation may be disclosed to other State attenutes	or mira parties in the normal course Act requests. Our office will appropria	phone number, as part of degillatory duties. Your of business or as needed to comply with statutory ately secure your personal information. If you have cer at depprivacyofficer @WV.gov. WV Department of Environmental Protection

WW-6A5
(1/12)

Operator Well No.

STATE OF WEST VIRGINIA

4/10303082

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

Notice Time De	NOTICE OF PLA	ANNED OPERA	TION	0 2
Date of Notice:	equirement: notice shall be provided no later		date of permit applicatio	FEB 0 6 2015
Delivery metho	od pursuant to West Virginia Code § 22-6A-1	16(c)		
	FIED MAIL RN RECEIPT REQUESTED HANG DELIV	D VERY		
return receipt red the planned oper required to be pr drilling of a horize damages to the s	a. Code § 22-6A-16(c), no later than the date for a quested or hand delivery, give the surface owner ration. The notice required by this subsection sha rovided by subsection (b), section ten of this articl ontal well; and (3) A proposed surface use and co curface affected by oil and gas operations to the e equired by this section shall be given to the surface	whose land will build include: (1) A collection of the collection	e used for the drilling of a hopy of this code section; (2) ner whose land will be used ement containing an offer case are compensable under a	norizontal well notice of The information I in conjunction with the of compensation for rticle six-b of this chapter.
Notice is hereby	provided to the SURFACE OWNER(s)			
(at the address list	sted in the records of the sheriff at the time of no	otice):		
Name:	Consolidation Co			James Edward Gifford
Address:	Engineering and Operations Support Dept	- Coal Addre	5S:	2145 Big Elk Rd
	CNX Center 1000 Consol Ener	rgy Dr		Wallace WV 26448
Notice is hereby	₹:			
operation on the State: County: District:	t Virginia Code § 22-6A-16(c), notice is hereby giv surface owner's land for the purpose of drilling a WV Wetzel Grant	a horizontal well o UTM NAD 83 Public Road Acc	n the tract of land as follow Easting: Northing: ess:	4,370,251.000000 543,580.000000 CO 20/11
operation on the State: County: District: Quadrangle:	surface owner's land for the purpose of drilling a WV Wetzel Grant Wallace	a horizontal well o UTM NAD 83	n the tract of land as follow Easting: Northing: ess:	4,370,251.000000 543,580.000000
operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; a surface affected information relations.	Surface owner's land for the purpose of drilling a WV Wetzel Grant Wallace Sams Run of Fishing Creek Include: t Virginia Code § 22-6A-16(c), this notice shall include: t Virginia Code § 22-6A-10(b) to a surface owner wand (3) A proposed surface use and compensation by oil and gas operations to the extent the damaged to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 2536	Public Road Acc Generally used slude: (1)A copy of whose land will be a agreement contages are compensa	n the tract of land as follow Easting: Northing: ess: farm name: this code section; (2) The interpretation with the saining an offer of compensable under article six-b of the eWV Department of Environment.	4,370,251.000000 543,580.000000 CO 20/11 Consolidation Coal Co Information required the drilling of a strong for damages to the sis chapter. Additional commental Protection
operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; a surface affected information relat headquarters, loopages/default.as Well Operator:	surface owner's land for the purpose of drilling a WV Wetzel Grant Wallace Sams Run of Fishing Creek Include: t Virginia Code § 22-6A-16(c), this notice shall include: t Virginia Code § 22-6A-10(b) to a surface owner wand (3) A proposed surface use and compensation by oil and gas operations to the extent the damage and to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 2530 EQT Production Company	Public Road Acc Generally used slude: (1)A copy of whose land will be a agreement contages are compensa the Secretary, at the 04 (304-926-0450	n the tract of land as follow Easting: Northing: ess: farm name: this code section; (2) The it used in conjunction with to aining an offer of compensable under article six-b of the WV Department of Environ or by visiting www.dep.w	4,370,251.000000 543,580.000000 CO 20/11 Consolidation Coal Co Information required the drilling of a strong for damages to the sis chapter. Additional commental Protection v.gov/oil-and-gas/
operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; a surface affected information relat headquarters, loopages/default.as Well Operator: Telephone:	surface owner's land for the purpose of drilling a WV Wetzel Grant Wallace Sams Run of Fishing Creek Include: t Virginia Code § 22-6A-16(c), this notice shall include; t Virginia Code § 22-6A-10(b) to a surface owner wand (3) A proposed surface use and compensation by oil and gas operations to the extent the damage and to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 2530 EQT Production Company 304-848-0082	Public Road Acc Generally used Ilude: (1)A copy of whose land will be a agreement contages are compensate Secretary, at the O4 (304-926-0450) Address: Bridgeport,	n the tract of land as follow Easting: Northing: ess: farm name: this code section; (2) The interpretation with the same of the same of the track o	4,370,251.000000 543,580.000000 CO 20/11 Consolidation Coal Co Information required the drilling of a strong for damages to the sis chapter. Additional commental Protection v.gov/oil-and-gas/
operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; a surface affected information relat headquarters, loopages/default.as Well Operator:	surface owner's land for the purpose of drilling a WV Wetzel Grant Wallace Sams Run of Fishing Creek Include: t Virginia Code § 22-6A-16(c), this notice shall include: t Virginia Code § 22-6A-10(b) to a surface owner wand (3) A proposed surface use and compensation by oil and gas operations to the extent the damage and to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 2530 EQT Production Company	Public Road Acc Generally used slude: (1)A copy of whose land will be a agreement contages are compensa the Secretary, at the 04 (304-926-0450	n the tract of land as follow Easting: Northing: ess: farm name: this code section; (2) The it used in conjunction with to aining an offer of compensable under article six-b of the WV Department of Environ or by visiting www.dep.w	4,370,251.000000 543,580.000000 CO 20/11 Consolidation Coal Co Information required the drilling of a strong for damages to the sis chapter. Additional commental Protection v.gov/oil-and-gas/

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will CENED 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. FEB 09 2015

Environmental 07/03/2

WW-6A5
(1/12)

Operator Well No.

514555

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION Notice Time Requirement: notice shall be provided no later than the filing date of permit application. FEB 0 6 2015 Date Permit Application Filed: Delivery method pursuant to West Virginia Code § 22-6A-16(c) CERTIFIED MAIL HAND 1 RETURN RECEIPT REQUESTED **DELIVERY** Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice. Notice is hereby provided to the SURFACE OWNER(s) (at the address listed in the records of the sheriff at the time of notice): Name: Coastal Forest Resources Co James W Moore et al Address: P.O. Box 709 Address: 707 Quaker Fork Buckhannon WV 26201 Wallace WV 26448 Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: 4,370,251.000000 WV UTM NAD 83 Easting: State: 543,580.000000 Wetzel Northing: County: CO 20/11 District: Grant Public Road Access: Quadrangle: Wallace Generally used farm name: Consolidation Coal Co Watershed: Sams Run of Fishing Creek This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/ pages/default.aspx. 115 Professional Place, P.O. Box 280 Well Operator: **EQT Production Company** Address:

Oil and Gas Privacy Notice:

Telephone: Email: 304-848-0082

vroark@eqt.com

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulation duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business of as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our officially appropriately secure your personal information. If you have any questions about our use or your personal information, please contact 2015 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Bridgeport, WV 26330

304-848-0040

Facsimile:

WW-6A5
(1/12)

Operator Well No.

514555

STATE OF WEST VIRGINIA

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

Notice Date o	Time Require of Notice:	ment: notige sha	hbe provided no lat	er than the filing on the Permit Applicate Permit Per	date of permit app ication Filed:	FEB 0 6 20	15
Delive	ry method pur	rsuant to West Vi	irginia Code § 22-6	A-16(c)			
7	CERTIFIED RETURN RE	MAIL ECEIPT REQUE	HAI	ND LIVERY			
return i the plai require drilling damage	receipt requeste nned operation. d to be provided of a horizontal v es to the surface notices required	d or hand delivery, The notice require d by subsection (b), well; and (3) A prop affected by oil and	give the surface own d by this subsection sl section ten of this art osed surface use and I gas operations to the	er whose land will be nall include: (1) A co cicle to a surface ow compensation agrees e extent the damage	e used for the drillin py of this code secti ner whose land will l ement containing an s are compensable u	tor shall, by certified mail g of a horizontal well not on; (2) The information be used in conjunction wi offer of compensation fo under article six-b of this of ecords of the sheriff at the	ice of th the or chapter.
Notice	is hereby provid	led to the SURFACI	E OWNER(s)				
(at the	address listed in	the records of the	sheriff at the time of	notice):			
Name:			Tall Tin	nber Inc Name:			Larry Hood
Address	5:	/	4464 Manningto	on Road Addres	SS:	1007	Sams Run Road
			Smithfield WV	26437			Folsom WV 26348
Pursuar	on on the surfac	nia Code § 22-6A-16	5(c), notice is hereby g the purpose of drilling WV Wetzel			4,	370,251.000000 543,580.000000
District			Grant	Public Road Acc			CO 20/11
Quadra					· ·		
Waters			wallace	Generally used t	farm name:	Consc	
	hed: Sam	s Run of Fishing Cre	Wallace eek	Generally used f	farm name:	Consc	olidation Coal Co
Pursual to be po horizon surface informa headqu	otice Shall Includent to West Virgin rovided by W. V atal well; and (3) affected by oil a ation related to	de: nia Code § 22-6A-16 a. Code § 22-6A-10 A proposed surface and gas operations horizontal drilling n	eek 6(c), this notice shall in 9(b) to a surface owne e use and compensati to the extent the dam nay be obtained from	nclude: (1)A copy of r whose land will be on agreement conta lages are compensal the Secretary, at the	this code section; (2 used in conjunction aining an offer of cor ble under article six- e WV Department of	:) The information require	olidation Coal Co
Pursual to be pi horizon surface informa headqu pages/0	otice Shall Includent to West Virging rovided by W. Voltal well; and (3) affected by oil a ation related to parters, located a default.aspx.	de: nia Code § 22-6A-16 a. Code § 22-6A-10 A proposed surface and gas operations horizontal drilling n at 601 57th Street,	eek (c), this notice shall in (b) to a surface owne e use and compensati to the extent the dam nay be obtained from SE, Charleston, WV 25	nclude: (1)A copy of r whose land will be on agreement conta lages are compensa the Secretary, at the 304 (304-926-0450	this code section; (2 used in conjunction sining an offer of cor ble under article six- e WV Department of) or by visiting <u>www.</u>) The information require with the drilling of a npensation for damages to b of this chapter. Addition Environmental Protection dep.wv.gov/oil-and-gas/	olidation Coal Co
Pursual to be possible for the surface information headque pages/0	otice Shall Includent to West Virgin rovided by W. V ntal well; and (3) affected by oil a ation related to parters, located a default.aspx.	de: nia Code § 22-6A-16 a. Code § 22-6A-10 A proposed surface and gas operations horizontal drilling n at 601 57th Street,	eek (c), this notice shall in (b) to a surface owne e use and compensati to the extent the dam nay be obtained from SE, Charleston, WV 25	nclude: (1)A copy of r whose land will be on agreement conta lages are compensal the Secretary, at the 304 (304-926-0450 Address:	this code section; (2 used in conjunction sining an offer of cor ble under article six- e WV Department of) or by visiting <u>www.</u>) The information require with the drilling of a npensation for damages to b of this chapter. Addition Environmental Protection dep.wv.gov/oil-and-gas/	olidation Coal Co
Pursual to be pi horizon surface informa headqu pages/0	otice Shall Includent to West Virgin rovided by W. Votal well; and (3) affected by oil ation related to parters, located adefault.aspx. perator: EQT one: 304	de: nia Code § 22-6A-16 a. Code § 22-6A-10 A proposed surface and gas operations horizontal drilling n at 601 57th Street,	eek (c), this notice shall in (b) to a surface owne e use and compensati to the extent the dam nay be obtained from SE, Charleston, WV 25	nclude: (1)A copy of r whose land will be on agreement conta lages are compensa the Secretary, at the 304 (304-926-0450	this code section; (2 used in conjunction sining an offer of cor ble under article six- e WV Department of) or by visiting <u>www.</u>) The information require with the drilling of a npensation for damages to b of this chapter. Addition Environmental Protection dep.wv.gov/oil-and-gas/	olidation Coal Co

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 of duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business of as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office of oil and Gas appropriately secure your personal information. If you have any questions about our use or your personal information, please contacts 2015 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WV Department of WV Department of WV Departmental Protection Environmental Protection 07/03/2015

API NO.	
OPERATOR WELL NO.	514555 FOL109
<u> </u>	H10
Well Pad Name:	FOL109

1,719,588,000 ft

Environmental Protection

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS VOLUNTARY STATEMENT OF NO OBJECTION O

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

consisting of pages one (1) through _____ well work on the tract of land as follows:

West Virginia

State:

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.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

West Virginia

above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments

hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed

_, including the erosion and sediment control plan, if required, and the well plat, all for proposed

East:

County:	WELZEI	North State Plane NAD 27	North:	358,729.000 ft		
District:	Grant	Public Road Access:		CO 20/11		
Quadrangle:	FOLSOM	Generally used farm n	ame:	Consolidation Coal Company		
Watershed:	Sums Run of Fishing Creek					
I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials, provided that EQT Production Company drills the well on West Virginia North State Plane NAD 27 coordinates of North 358,729.000 ft, East 1,719,588.000 ft in accordance with the Agreement between Consolidation Coal Company and Murray American Energy, Inc. and EQT Production Company dated 2/2/2015.						
*Please check the	e box that applies OWNER	FOR EX	ECUTION	BY A NATURAL PERSON		
SURFACE	OWNER (Road and/or Other Disturbance)	Signatur Print Nan Da	ne:			
□SURFACE (OWNER (Impoundments/Pits)			BY A CORPORATION, ETC.		
⊠COAL OWN	NER OR LESSEE	Compan	y: y:			
⊠COAL OPE	RATOR			Coal, Oil & Gas Relations Manager		
□WATER PU		Signatur Dat	e: ——6	2/2/2015		
□ OPERATOR	C OF ANY NATURAL GAS STORAGE F acy Notice: and Gas processes your personal information, such a	TELD		RECEIVED Gas		
Oil and Gas Priva	ncy Notice:			Office of OIL		
The Office of Oil a	and Gas processes your personal information, such a	s name, address and to	elephone nu	mber, as part of our regulator duties. Your		

personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to camply 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@www.gognalpro



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION 0 3 0 8 2

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 13, 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 FOL 109 Pad Site, Marion County

514495 FOL109H1	514496 FOL109H2	514497 FOL109H3
514498 FOL109H4	514499 FOL109H5	514500 FOL109H6
514552 FOL109H7	514553 FOL109H8	514554 FOL109H9
514555 FOL109H10	515487 FOL109H11	515488 FOL109H12
515489 FOL109H13	515490 FOL109H14	515491 FOL109H15
515400 FOL 100H16		

515492 FOL109H16

Dear Mr. Martin,

This well site will be accessed from Permit #04-2015-0152 applied for by EQT Production Company for access to the State Road. The well site is located off of Marion County Route 32 SLS. The approved DOH permit must be received before construction of or any use of this access to the roadway.

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.

RECEIVED
Office of Oil and Gas

FEB 1 7 2015

WV Department of Environmental Protection Very Truly Yours,

Gary K. Clayton, P.E.

Dang K. Clayte

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Nick Bumgardner

EQT Production Company

CH, OM, D-4, File

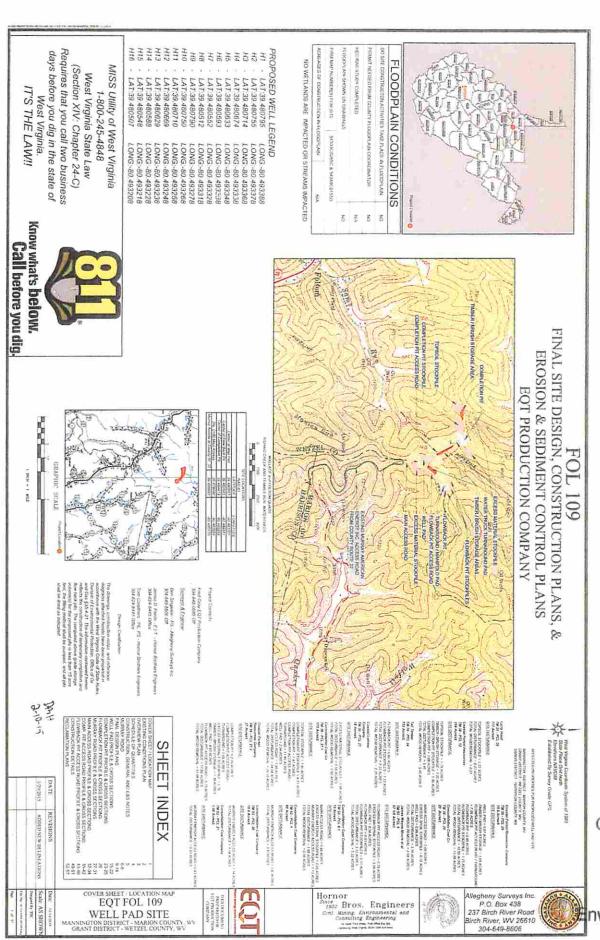
Anticipated Frac Additives Chemical Names and CAS numbers

rs &_	7030
Number	3082

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

RECEIVED Gas
Office of Oil and Gas
FEB 0 9 2015

WV Department of Environmental Protection 07/03/2015



RECEIVED
Office of Oil and Gas

FEB 17 2015

WV Department of nvironmental Protection

07/03/2015