

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

August 06, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-8510220, 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: 515885

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

API Well Number: 47-8510220

Permit Type: Horizontal 6A Well

Date Issued: 08/06/2015

API	Number:	

PERMIT CONDITIONS 4708510220

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

CONDITIONS

- Operator shall take additional measures with this permitted activity to avoid communication with offset wells.
 Such additional measures are described in the attached addendum. This addendum is part of the terms of the
 well work permit, and includes a description of depth and completed formations of offset wells. Also included
 is a description of monitoring activities that will take place during fracturing operations of the permitted well
 work.
- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.

API Number:	
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PERMIT CONDITIONS 4708510220

- 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.
- 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 <u>DEPOOGNotify@wv.gov</u> within 30 days of commencement of drilling.



June 31, 2015

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

Re: Revision of 085-10220

Dear Mr. Smith,

Enclosed is an updated WW-6B, schematics, WW-6A1 and mylar plat, signed by the inspector. EQT would like to revise the length of the lateral. The top hole has not changed. Please insert these changes into the permit you have on file and remove the hold so it may be reviewed and issued.

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

Sincerely,

Vicki Roark

Permitting Supervisor-WV

Enc.

cc:Douglas Newlon

Received Office of Oil & Gas

AUG 0 3 2015

4708510220



February 5, 2015

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

Re: Casing Plan on Wells (PUL96)

Dear Mr. Smith,

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

4708510220

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

Sincerely,

Vicki Roark

Permitting Supervisor

Enc.

Received Office of Oil & Gas JUN 0 4 2015 4/08510220

WW - 6B (4/15)

API NO.	47	-	085	10220
OPERATO	R WE	LL NO		515885
Well Pag	l Nar	na.		PI II 06

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

	WELL	WORK	PERMIT APPLICA	ATION		
Well Operator: EQT Product	ion Company		306686	085	4	562
			Operator ID	County	District	Quadrangle
Operator's Well Number:	5	15885		_Well Pad Nan	ne	PUL96
Farm Name/Surface Owner : _	James H	& Wilma	J Wilson	_Public Road A	Access:	CR 7/4
Elevation, current ground:	1,194.0	Elev	ation, proposed p	ost-construction	1,182	2.0
Well Type: (a) Gas	Oil		Inderground Stora	ige		
Other						
(b) If Gas:	Shallow		Deep			
	Horizontal					
Existing Pad? Yes or No:	No					
Proposed Target Formation(s),	Depth(s), Anticipa	ated Thic	knesses and Asso	ociated Pressure	e(s):	
Target formation is Marcellus at	a depth of 6416 v	with the ant	icipated thickness to be	e 50 feet and ant	icipated target pre	ssure of 2190 PSI
Proposed Total Vertical Depth:	No.			6416		
Formation at Total Vertical Dep				Marcellus		
) Proposed Total Measured Dep				15915		
) Proposed Horizontal Leg Leng	gth			8,110		
) Approximate Fresh Water Stra	ata Depths:			341,367,39	8,555	
Method to Determine Fresh W	Vater Depth:		,	By offset v	vells	
) Approximate Saltwater Depths				N/A		
) Approximate Coal Seam Dept				N/A		
) Approximate Depth to Possibl	Charles & American Company	, karst, o	ther):		None re	ported
Does proposed well location co						
adjacent to an active mine?	200000000000000000000000000000000000000		Ye	es	No x	
(a) If Yes, provide Mine Info:	Name:			8		
(a) 11 1 2 2 1 p. 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Depth:				(4)	
	Seam:			0		
	Owner:			0	4	
	Owner.			- 0	2	
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API NO. 47 -	085	0	8 5	10	2	2	0
OPERATOR WELL N	0.		5	15885			
Well Pad Name			1	2011 96			

CASING AND TUBING PROGRAM

TYPE	Size (in)	<u>New</u> <u>or</u> Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill- up (Cu.Ft.)
Conductor	20	New	MC-50	81	40	40	38 C.T.S.
Fresh Water	13 3/8	New	J-55	54.5	655	655	581 C.T.S.
Coal	-	-	-	-			-
Intermediate	9 5/8	New	A-500	40	2,566	2,566	1,011 C.T.S.
Production	5 1/2	New	P-110	20	15,915	15,915	See Note 1
Tubing	2 3/8		J-55	4.6			May not be run, if run will be set 100' less than TD
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	Cement Yield (cu. ft./k)
Conductor	20	24	0.375		18	Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,730	2,184	* See Note 2	1.21
Coal							
Intermediate	9 5/8	12 3/8	0.395	3,950	3,160	* See Note 2	1.21
Production	5 1/2	8 1/2	0.361	12,640	10,112		1.27/1.86
Tubing							
Liners							

		<u>Packers</u>	ET.
Kind:	N/A		85
Sizes:	N/A		70
Depths Set:	N/A		ر کے ا

Note 1: EQT plans to bring the TOC on the production casing cement job 1,000' above kick off point, which is at

least 500' above the shallowest production zone, to avoid communication.

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

Page 2 of 3

Office of Oil & Gas

19) Describe proposed well work, including the drilling and plugging back of any pilot hole: Drill and complete a new horizontal well in the Marcellus formation. The vertical drill to go down to an approximate depth of 2812. Then kick off the horizontal leg into the Marcellus using a slick water frac. Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate: Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%) of chemicals (including 15% Hydrochloric acid, gelling agent, gel breaker, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to average approximately 8500 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 200,000 barrels of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per stage. 21) Total area to be disturbed, including roads, stockpile area, pits, etc, (acres): 22) Area to be disturbed for well pad only, less access road (acres): Describe centralizer placement for each casing string. Surface: Bow spring centralizers – One at the shoe and one spaced every 500'. Intermediate: Bow spring centralizers
 — One cent at the shoe and one spaced every 500'. Production: One spaced every 1000' from KOP to Int csg shoe Describe all cement additives associated with each cement type. Surface (Type 1 Cement): 0-3% Calcium Chloride Used to speed the setting of cement slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the cement slurry to a thief zone. Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low temperature formations to speed the setting of cement slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of whole drilling fluid or cement slurry (not filtrate) to a thief zone. Production: Lead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening time. 0.3% CFR (dispersant). Makes cement easier to mix. Tail (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening time. 0.2-0.3% CFR (dispersant). This is to make the cement easier to mix.

60 % Calcuim Carbonate. Acid solubility.

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

25) Proposed borehole conditioning procedures. Surface: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until cuttings diminish at surface. When cuttings returning to surface diminish, continue to circulate an additional 5 minutes. To ensure that there is no fill, short trip two stands with no circulation. If there is fill, bring compressors back on and circulate hole clean. A constant rate of higher than expected cuttings volume likely indicates washouts that will not clean up. Intermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until cuttings diminish at surface. When cuttings returning to surface diminish, continue to circulate an additional 5 minutes. If foam drilling, to enhance hole cleaning use a soap sweep or increase injection rate & foam concentration.

Production: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume.

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

the shakers every 15 minutes.

^{*}Note: Attach additional sheets as needed.

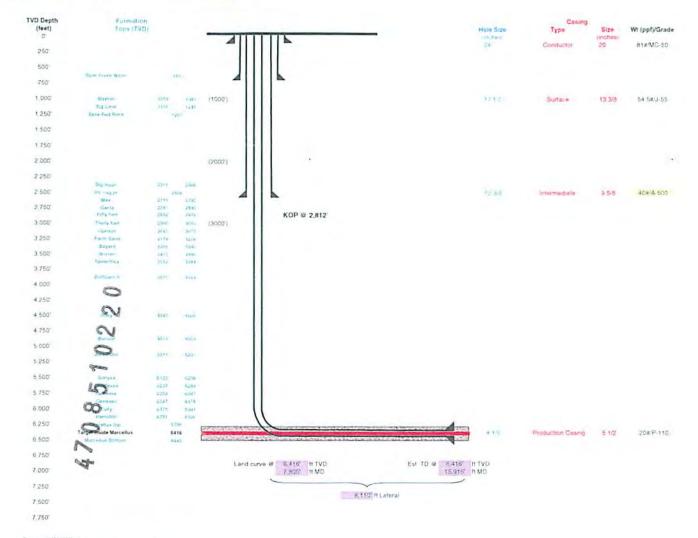
Well Name 618865(PUL96H3) Elevation KB: County State Ritchie West Virgina Target Prospect Azimuth Vertical Section 0 -D Hole Size 24" - 20" Conductor at 40" 500' - 555' Fresh Water Base - 500 TOC & Surface 13 3/8" MC 50 54 5# @ 655" ft MO Bit Size 12.375* 1.000' - 1,059' Maxton - 1,000 1,116' Big Lime 1,207' Base Red Rock 1.500' --- 1,500 2.000' -- 2,000 2,318 Big Injun 2,500' - 2,566' Int. csg pt TOC @ Burface - 2,500 9 5/8° MC-50 40# @ 2 566 ft MD Bit Size 8.5" 2,711' Weir 2.781' -Gantz KOP = 2,812 ft MD 2,882 -Fifty foot - 3.000 2,960' -Thirty foot 10 Deg DLS 3.043' -Gordon 3,174' -Forth Sand 3.266' -Bayard \$708510220 3,500' - 3,410' -Warren 3,512' -Speechley - 3.500 3,859' -Balltown A 4.000' -- 4 000 4,500' - 4,547' -Riley - 4,500 5,000' - 4,914' -Benson - 5.000 5.151' -Alexander 5.500' -- 5:500 6.122' -Sonyea 6,238' -Middlesex 6.000' — 6.284' -Genesee 7,805 R MD Land @ - 6,000 6.347' -Geneseo 6.378' -Tully 6.391' -Hamilton 5 1/2". P-110, 20# 15,915 ft MD 6.396' -Marcellus 6,416 h TVD 6.500' - 6,445' Onondaga - 6.500 7,000' -- 7,000 Office Received
AUG 03 2015 Gas 7,500' -- 7,500 8,000 --- 8,000

08/07/2015

EQT Production Pullman

Ritchie West Virgina

Azimuth 164.75 Vertical Section #215



Proposed Well Work Drill and complete a new horizontal well in the Marcellus formation The vertical drill to go down to an approximate depth of 2812. Then kick off the horizontal leg into the Marcellus using a slick water frac-



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,

47085 This agency is approving a variance request for the cement blend listed below to be used on surface and coal protection strings for the drilling of oil and gas wells in the state of West Virginia. The variance cannot be used without requesting its use on a permit application and approval by this agency:

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

Sincerely

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

Environmental Resources Specialist / Permitting

Promoting a healthy environment.



west virginia department of environmental protection

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

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

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

REPORT OF THE OFFICE

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
- 2.) Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24 hours.

Promoting a healthy environment.

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

4708510220

James Martin, Chief Office of Oil and Gas



February 5, 2015

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

Re: Casing Plan on Wells (PUL96)

Dear Mr. Smith,

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

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

Sincerely,

Vicki Roark

Permitting Supervisor

Enc.

\$708510220

	Page	1	of	2
API No. 47	08	5 -		10220
Operator's V	Vell No			515885

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

Fluids/Cuttings Disposal & Reclamation Plan

Operator Name	EQT Production Company	OP Code	306686	
Watershed (HUC10)	Goose Run of Rockcamp Run	Quadrangle	Pullman	-
Do you anticipate using r	more than 5,000 bbls of water to comp	plete the proposed well w	vork? Yes x No	
Will a pit be used ? Yes:	X No:			
If so please desc	ribe anticipated pit waste:	flowback water & re	esidual solids	
Will a synthetic lin	ner be used in the pit? Yes X		o, what ml.? 60	-
Proposed Dispo	Reuse (at API Number	Permit Number 00 Various n WW-9 for disposal local	(14, 8462, 4037) (ation)	
	then prepared for transportation to an off		from the drilling	_
Air is used to drill the top-hole sections of	ed for this well (vertical and horizontal the wellbore (surface, intermediate, and pilot). Water based of hole, curve, and lateral sections will be drilled with either a	mud may be necessary depending on h		
Additives to be used in dialkalinity control, lime, filtration	control, deflocculates, biodegradable oil lubric	bricant, detergent, deteaming, water. cant, defeaming, walnut shell,		
	e oil, emulsifier, salt, lime, viscosifer, alkalinity	control, filtration control, defle	occulates,	
biodegradable oil lubricant, de	foaming, carbonates.			
Drill cuttings disposal me	ethod? Leave in pit, landfill, removed	offsite, etc.	Landfill	
	lan to solidify what medium will be used? (Cer		n/a	
- Landfill or offsit	e name/permit number?	See Attached	List	
Permittee shall provide writt at any West Virginia solid w also disclose where it was p	en notice to the Office of Oil and Gas of a aste facility. The notice shall be provided roperly disposed.	any load of drill cuttings or a d within 24 hours of rejectio	associated waste rejected n and the permittee shall	
on August 1, 2005, by the Office	and agree to the terms and conditions of the e of Oil and Gas of the West Virginia Departm orceable by law. Violations of any term or con- ement action.	ent of Environmental Protection	n. I understand that the	
application form and all attachm the information, I believe that th	law that I have personally examined and am fa nents thereto and that, based on my inquiry of e information is true, accurate, and complete. cluding the possibility of fine or imprisonment.	those individuals immediately	responsible for obtaining ifficant penalties for	
Company Official Signatu Company Official (Typed Company Official Title	Name)	Victoria J. Roark nitting Supervisor	05 ,	OFFICIAL SEAL NOTARY PUBLIC NATURE OFFICIAL SEAL NOTARY PUBLIC NATURE OF THE CHARACTER OF T
Subscribed and sworn be	fore me this 31 day of _	July	, 20 15	OFFICIAL SEAL NOTARY PUBLIC
My commission	m expires 4-7-2	20		STATE OF WEST VIRGINIA

47,08 5 1 0 2 2 0

	Healment: Acres Disturbe	d <u>± 28.99</u> Previ	egetation pH6.6
Lime	3 Tons/acre of	or to correct to pH	6.5
Fertilize type	Granular 10-20	0-20	
Fertilizer Amou	unt1/3II	bs/acre (500 lbs minimum)	
Mulch	2	Tons/acre	
		Seed Mixtures	
	mporary	Perm	nanent
Seed Type KY-31	lbs/acre 40	Seed Type Orchard Grass	lbs/acre 15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		
	tion,pit and proposed area f		
Drawing(s) of road, locat	tion,pit and proposed area f		
Drawing(s) of road, locat			
Drawing(s) of road, locat Photocopied section of ir Plan Approved by:	nvolved 7.5' topographic sho	Cama	no Carrie
Photocopied section of in Plan Approved by:	David w	Camo	no less 4
Photocopied section of in Plan Approved by:	nvolved 7.5' topographic sho	Camo	no less 4
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Received Office of Oil & Gas JUN 0 4 2015

4708510220

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

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

4708510220

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

Received
Office of Oil & Gas
JUN 04 2015

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

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

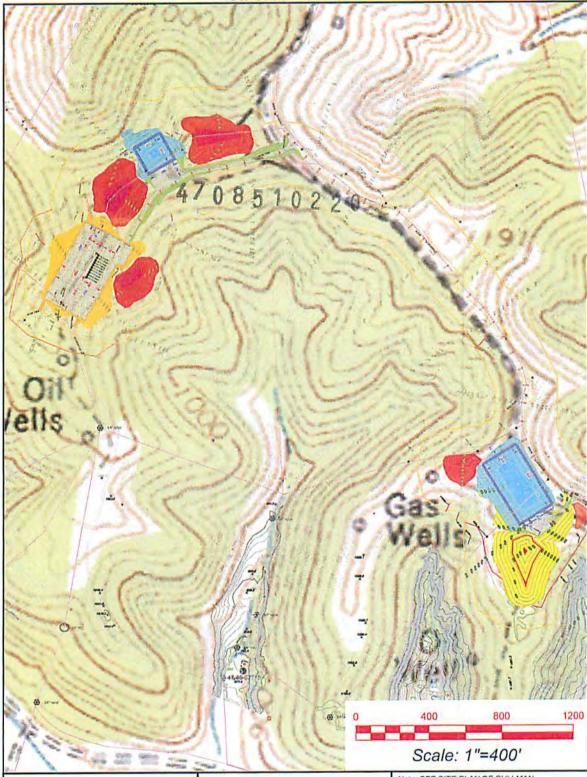
4708510220

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



Pullman 7.5' USGS QUADRANGLE

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

Proposed Access Road

See Site Plan

Approximate Total Disturbance

See Site Plan

DRAWN SY:

Date Tomlin PS

Date December 30, 2014

PRAWN SY:

December 30, 2014

Note: SEE SITE PLAN OF PULLMAN 95 FOR COMPLETE GRADING & DRAINAGE CONSTRUCTION INCLUDING EROSION & SEDIMENT CONTROL DETAILS, ETC.



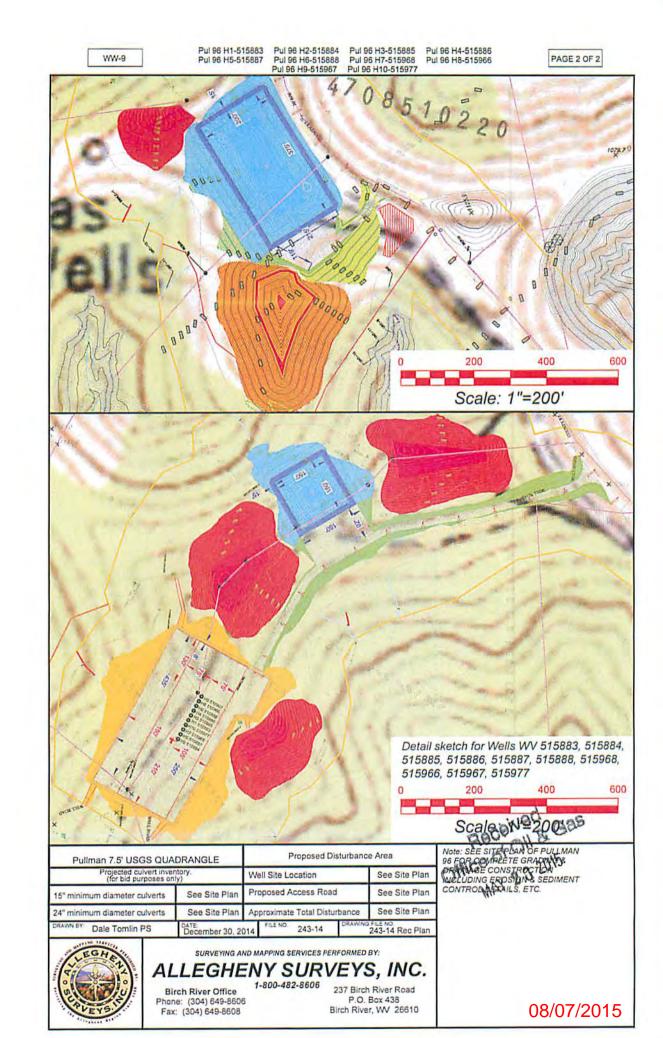
SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road

Birch River Office Phone: (304) 649-8606 Fax: (304) 649-8608 237 Birch River Road P.O. Box 438 Birch River, WV 26610

08/07/2015





Site Specific Safety Plan

EQT PUL96 Pad

Pullman Ritchie County, WV

515883 515885	For Wells:	
EQT Production Separe User Title 5-26-15	ate Prepared:	May 26, 2015 Daif Wlew WV Oil and Gas Inspector Title Office of Oil & Gas 6:1-15JUN 04 2015
Date		Date

Topo Quad: Pullman 7.5' Scale: 1 " = 2000" Ritchie County: Date: December 12, 2014 District: Union Project No: 243-38-U-14 **PULLMAN 96** Oil Wen Pulman 96 Horam Received ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8608
FAX: (304) 649-8608 **EQT Production Company** P.O. Box 280 Bridgeport, WV 26330 VEYS



Water Source Identification

Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle Address: 1314 37th St., Parkersburg, WV 26104 Phone #:	EQT Well Pad Name: Pullman 96	Submittal Date: December 19, 2014
Site Number: 1A Distance from Gas Well (feet): 1728 Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle Address: 1314 37 th St., Parkersburg, WV 26104 Phone #:	EQT Well Number:	
Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle Address: 1314 37th St., Parkersburg, WV 26104 Phone #:	Survey / Engineering Company: Allegheny Surveys, In	nc.
Address: 1314 37th St., Parkersburg, WV 26104 Field Located Date: December 18, 2014 Coordinates: 39,207098, -80,989121 (decimal degrees – NAD 83) Contact Attempts (Date): 1st. 12/15/14 2nd: 12/18/14 3rd: Date Door Hanger Left: 12/15/14 Comments: This house is being used as a hunting camp. The first site is the water well Site Number: 1B Distance from Gas Well (feet): 1953 Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle Address: 1314 37th St., Parkersburg, WV 26104 Phone #: Field Located Date: December 18, 2014 Coordinates: 39,206520, -80,989428 (decimal degrees – NAD 83) Contact Attempts (Date): 1st. 12/15/14 2nd: 12/18/14 3rd: Date Door Hanger Left: 12/15/14 Comments: This second site is a pond Site Number: 2A Distance from Gas Well (feet): 2398 Surface Owner / Occupant: Delores Jean Moore Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511	Site Number: 1A Distance from Gas Well (feet)	: <u>1728</u>
Coordinates: 39.207098, -80.989121 (decimal degrees – NAD 83) Contact Attempts (Date): 1st: 12/15/14 2std: 12/18/14 3rd:	Surface Owner / Occupant: Wayne M. Reed & Eva L.	Riffle
Coordinates: 39.207098, -80.989121 (decimal degrees – NAD 83) Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3rd:	Address: 1314 37th St., Parkersburg, WV 26104	Phone #:
Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3rd: Date Door Hanger Left: 12/15/14 Comments: This house is being used as a hunting camp. The first site is the water well Site Number: 1B Distance from Gas Well (feet): 1953 Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle Address: 1314 37th St., Parkersburg, WV 26104 Phone #: Field Located Date: December 18, 2014 Owner home during survey (yes/no): No Coordinates: 39,206520, -80,989428 (decimal degrees - NAD 88) Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3rd: Date Door Hanger Left: 12/15/14 Comments: This second site is a pond Site Number: 2A Distance from Gas Well (feet): 2398 Surface Owner / Occupant: Delores Jean Moore Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511	Field Located Date: December 18, 2014 Owne	er home during survey (yes/no): No
Comments: This house is being used as a hunting camp. The first site is the water well Site Number: 1B Distance from Gas Well (feet): 1953 Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle Address: 1314 37 th St., Parkersburg, WV 26104 Phone #: Field Located Date: December 18, 2014 Owner home during survey (yes/no): No Coordinates: 39.206520, -80.989428 (decimal degrees – NAD 33) Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3nd: Date Door Hanger Left: 12/15/14 Comments: This second site is a pond Site Number: 2A Distance from Gas Well (feet): 2398 Surface Owner / Occupant: Delores Jean Moore Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511	Coordinates: 39.207098, -80.989121 (decimal degrees	s – NAD 83)
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Address: 1314 37 th St., Parkersburg, WV 26104 Phone #:	Site Number: 1B Distance from Gas Well (feet)	: <u>1953</u>
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Coordinates: 39.206520, -80.989428 (decimal degrees – NAD 83) Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3rd: Date Door Hanger Left: 12/15/14 Comments: This second site is a pond Site Number: 2A Distance from Gas Well (feet): 2398 Surface Owner / Occupant: Delores Jean Moore Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511 Field Located Date: December 15, 2014 Owner home during survey (Yes/No): Yes/Peceived	Address: 1314 37th St., Parkersburg, WV 26104	Phone #:0
Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3rd: Date Door Hanger Left: 12/15/14 Comments: This second site is a pond Site Number: 2A Distance from Gas Well (feet): 2398 Surface Owner / Occupant: Delores Jean Moore Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511 Field Located Date: December 15, 2014 Owner home during survey (Ves/No): Ves/Pock Camp Rd.	Field Located Date: December 18, 2014 Owner	er home during survey (yes/no): <u>No</u>
Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3rd: Date Door Hanger Left: 12/15/14 Comments: This second site is a pond Site Number: 2A Distance from Gas Well (feet): 2398 Surface Owner / Occupant: Delores Jean Moore Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511 Field Located Date: December 15, 2014 Owner home during survey (Ves/No): Ves/Pock Camp Rd.	Coordinates: 39.206520, -80.989428 (decimal degrees	C 8 (88 DAN - 3
Site Number: 2A Distance from Gas Well (feet): 2398 Surface Owner / Occupant: Delores Jean Moore Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511 Field Located Date: December 15, 2014 Owner home during survey (Ves/No): Ves/Received	Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3nd	Date Door Hanger Left: 12/15/14
Surface Owner / Occupant: <u>Delores Jean Moore</u> Address: <u>1590 Rock Camp Rd.</u> , <u>Harrisville</u> , <u>WV 26362</u> Phone #: <u>304-643-2511</u> Field Located Date: December 15, 2014	Comments: This second site is a pond	
Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511	Site Number: 2A Distance from Gas Well (feet)	: <u>2398</u>
Field Located Date: December 15, 2014 Owner home during survey (Ves/No): Ves/Received	Surface Owner / Occupant: Delores Jean Moore	
Field Located Date: December 15, 2014 Owner home during survey (Yes/No): Yes Received	Address: 1590 Rock Camp Rd., Harrisville, WV 26362	Phone #: 304-643-2511
o moo of off a das		Office of Off & Gae
Coordinates: 39.208474, -80.993526 (decimal degrees – NAD 83) MAY: 2 8 2015 Contact Attempts (Date): 1 st : 12/15/14 2 nd : 3 rd : Date Door Hanger Left:	Coordinates: <u>39.208474, -80.993526</u> (decimal degrees	S - NALL 8.31
Contact Attempts (Date): 1°: 12/15/14 2''': 3''': Date Door Hanger Left:		

Site Number: 2B Distance from Gas Well (feet): 1882

Surface Owner / Occupant: Defores Jean Moore

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

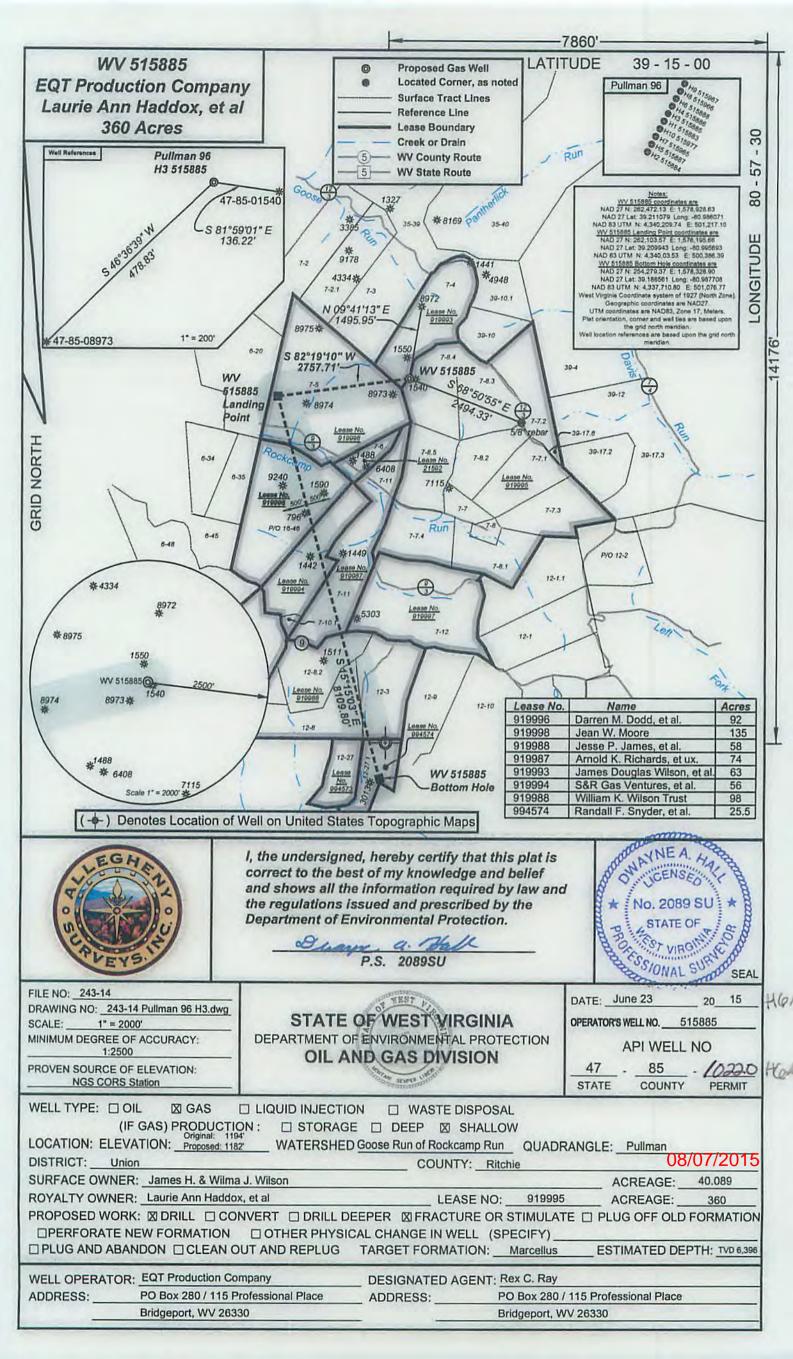
Field Located Date: <u>December 15, 2014</u> Owner home during survey (Yes/No): <u>Yes</u>

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

Contact Attempts (Date): 1st: 12/15/14 2nd: ______ 3rd: _____ Date Door Hanger Left: _____

Comments: The second site is a pond.

108510220



WW-6A1 (5/13) Operator's Well No.

515885

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

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

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

Numbe	r Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
919995			Min 1/8 pd	
	James A. Wilson, et ux	R. W. Richards	•	LB79/542
	R. W. Richards	J. E. Richards and C. W. Richards		LB80/78
	J. E. Richards and C. W. Richards	Bolyard Oil & Gas, LTD		LB169/136
	Bolyard Oil & Gas, LTD	Sheffield Exploration Co.		LB189/521
	Sheffield Exploration Co.	M. S. Oil Co. (69.513% of working interest) and Applied Mechanics Corp. (30.487% of working interest)		LB208/268
	M. S. Oil Co. (69.513%)	Applied Mechanics, et al		LB222/836
	Applied Mechanics, et al	FS Limited Partnership		AB274/80
	FS Limited Partnership	EQT Production Co.		AB274/102
993			Min 1/8 pd	
	Effie E. Wilson and James Wilson	J.E. Richards		LB79/346
	J.E. Richards	J. E. Richards and C.W. Richards		LB79/407
	J.E. Richards and C.W. Richards	P.O. Burgy, B.S. Marshall, L.B. Burgy & F	Rollo Riggs	LB81/279
	P.O. Burgy, B.S. Marshall, L.B. Burgy & Rollo Riggs	J. E. Richards and C.W. Richards		LB123/303
	J. E. Richards and C.W. Richards	Applied Mechanics, et al		LB206/8
	Applied Mechanics, et al	FS Limited Partnership		AB274/80
	FS Limited Partnership	EQT Production Co.		AB274/102
998			Min 1/8 pd	
	Robert D. Elder, et ux	N.M. Welch	•	LB81/521
	N.M. Welch	Ohio-West Virginia Oil & Gas Co.		LB81/546
	Ohio-West Virginia Oil & Gas Co.	N.M. Welch		LB82/425
	N.M. Welch	J. E. Richards and C.W. Richards		LB82/500
	J. E. Richards and C.W. Richards	Applied Mechanics, et al		LB206/8
	Applied Mechanics, et al	FS Limited Partnership		AB274/80
	FS Limited Partnership	EQT Production Co.		AB274/102
996			Min t/8 pd	
	Ruby Dotson, et al	J. E. Richards	•	LB80/449
	J. E. Richards	J. E. Richards and C. W. Richards		LB80/455
	J. E. Richards and C. W. Richards	Applied Mechanics, et al		LB206/8
	Applied Mechanics, et al FS Limited Partnership	FS Limited Partnership EQT Production Co.		LB80/449 LB80/455 LB206/8 AB274/80 AB274/102

Page 1 of 2

919994			Min 1/8 pd	
	Ethel M. Turner, widow	J. E. Richards	-	LB80/451
	J. E. Richards	J. E. Richards and C. W. Richards		LB80/455
	J. E. Richards and C. W. Richards	Applied Mechanics, et al		LB206/8
	Applied Mechanics, et al	FS Limited Partnership		AB274/80
	FS Limited Partnership	EQT Production Co.		AB274/102
919987			Min 1/8 pd	
<u> </u>	A. H. Hodge and Ona Hodge	J. E. Richards	-	LB80/449
	J. E. Richards	J. E. Richards and C. W. Richards		LB80/455
	J. E. Richards and C. W. Richards	Bolyard Oil & Gas, LTD		LB169/310
	Bolyard Oil & Gas, LTD	Sheffield Exploration Co.		LB189/521
		M. S. Oil Co. (69.513% of working		
	Sheffield Exploration Co.	interest) and Applied Mechanics Corp. (30.487% of working interest)		LB208/268
	M. S. Oil Co. (69.513%)	Applied Mechanics, et al		LB222/836
	Applied Mechanics, et al	FS Limited Partnership		AB274/80
	FS Limited Partnership	EQT Production Co.		AB274/102
919988			Min 1/8 pd	
	Arden Wilson, et ux	J. E. Richards	wiiii iro pa	LB81/515
	J. E. Richards	J. E. Richards and C. W. Richards		LB80/455
	J. E. Richards and C.W. Richards	Applied Mechanics, et al		LB206/8
	Applied Mechanics, et al	FS Limited Partnership		AB274/80
	FS Limited Partnership	EQT Production Co.		AB274/102
994574			Min 1/8 pd	
	Charles Cary Mossor	EQT Production Co.		LB268/361
	Jeffery Allan Mossor	EQT Production Co.		LB268/373
	Shirley Jean Mossor Williams	EQT Production Co.		LB268/385
	Randall F. Synder and Debra Jo Synder	EQT Production Co.		LB269/749
	Jacqueline Dianna Mossor Haynes	EQT Production Co.		LB284/508

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

WV DIVISION

U.S. Army Corps of Engineers

U.S. Fish and Wildlife Service

County Floodplain Coordinator

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

EOT Production Company

Alia Operator:

EOT Production Company

Well Number:

515885(PUL96H3)

Casing and Ceme	enting	Deepest Fresh Water: 555'			
Туре	Conductor	Mine Protection	Surface	Intermediate	Production
Hole Size, In.	24		17 1/2	12 3/8	8 1/2
Casing Size, OD In.	20	-	13 3/8	9 5/8	5 1/2
Casing Wall Thickness, In.	0.375		0,380	0.395	0.361
Depth, MD	40'	- 4	655'	2,566'	15,915'
Depth, TVD	40'		655'	2,566'	6,416'
Centralizers Used	Yes		Yes	Yes	Yes
Weight/Grade	81#/MC-50		54.5#/J-55	40#/A-500	20#/P-110
New or Used	New	-	New	New	New
Pressure Testing	+		20% Greater than exp. Pressure	20% Greater than exp. Pressure	20% greater than exp. fracture pressure
After Fracture Pressure Testing					20% greater than exp. shu pressure
ID, in	19.25	+	12.615	8.835	4.778
Burst (psi)	•	-	2,730	3,950	12,640
Collapse (psi)	-	-	1,130	2,570	11,100
Tension (mlbs)	-		514	493	587
Cement Class			4.4	-	Н
Cement Type	Construction		1	1	
Cement Yield	1.18	-	1.21	1.21	1.27/1.86
Meets API Standards			Yes	Yes	Yes
WOC Time			Min. 8 hrs	Min. 8 hrs	Min. 8 hrs
Top of Cement (Planned)	Surface		Surface	Surface	2,766'
Fill (ft.)	40'		655'	2,566'	13,150'
Percent Excess		-	20	20	10
Est. Volume (cu ft)	38		581	1,011	3,315
Est. Volume (BBLS)	7	4	103	180	590



WEST VIRGINIA GEOLOGICAL PROGNOSIS Horizontal Well v 2015 I 515885(PUL96H3) Drilling Objectives: Marcellus County: Ritchie Quad: Pullman Elevation: 1195 KB 1182 GL proposed Surface location Northing: 262472.13 Easting: 1578928.63 Landing Point Northing: 262103.57 Easting: 1576195.66 TVD: 6416 Toe location Northing: 254279.37 Easting: 1578328.9 TVD: 6416 Recommended Azimuth 164.75 Degrees Recommended LP to TD: 8,110 Proposed Logging Suite: @Intermediate Casing Point: The open hole logs need to consist of Gamma Ray, Neutron, Density, and Induction. CONTACT JEFF DEREUME PRIOR TO LOGGING (412.328.5054) @ Pilothole TD - Run OH logs for evaluation of uphole zones. An clog should be run for the first well on every horizontal well pad. Mudloggers to be on location at kickoff point to run samples and measure gas thru both the curve and lateral sections Recommended Gas Tests: 1800, 2050, 2600, Intm Csg. Pt., 3400, 4900, 5250, KOP, (Gas test at any mine void) Gas test during any trip or significant downtime while drilling the lateral section. ESTIMATED FORMATION TOPS Formation Top (TVD) Base (TVD) Lithology Comments Top RR Base RR Fresh Water Zone 555 FW @ 341,367,398,555... 66 Maxton 1050 1085 Sandstone No known coal seams 0.1 109 Big Lime 1116 1241 Limestone No past, present, or future mining in the area of the well pad. 124 144 Big Injun 2318 2466 Sandstone Storage is NOT of concern 174 189 Int. csg pt 2566 Set intermediate easing 100' below base of the Big Injun Formation 942 970 Weit 2711 2732 Sandstone No Salt Water Shows 246 260 Top Devonian 2781 288 341 Gantz 2781 2840 Silty Sand 371 440 Fifty foot 2882 2916 Silty Sand 422 434 Thirty foot 2960 3010 Silty Sand 496 524 Gordon 30.13 3075 Silty Sand 615 653 -Forth Sand 3174 3226 Silty Sand 758 741 Bayard 3266 3340 Silty Sand 793 804 Warren 3410 3490 Silty Sand 891 915 3584 Silty Sand Speechley 3512 002 1026 -Balltown A 3859 4164 Silty Sand 1072 1091 Riley 4547 4600 Silty Sand 1164 1207 Benson 4914 4953 Silty Sand Alexander 5151 5231 Silty Sand Base of Offset Well Perforations at 5231' TVD Elks 5231 6122 Gray Shales and Silts Sonyea 6122 6238 Gray shale Middlesex 6238 6284 Shale Genesee 6284 6347 with black shale -Geneseo 6347 6378 Black Shale Tully 6378 6391 Limestone Hamilton 6391 6396 calcareous shales Marcellus 6396 6445 Black Shale -Purcell 6405 6412 Limestone Lateral Zone 6416 6416 Start Lateral at 6416 ft, drill to 6416 ft -Cherry Valley 6426 6434 Limestone Inondaga 6445 Limestone Pilot Hole TD 6545 Target Thickness 50 feet Max Anticipated Rock Pressure 2190 PSI Comments: Note that this is a TVD prog for a horizontal well (azimuth of 164.75 degrees; target formation = Marcellus). All measurements taken from estimated KB elevation. Water and coal information estimated from surrounding well data Intermediate casing point is recommended 100' beneath the Big Injun to shut off any water production from the Upper Devonian sands. Intermediate casing should be cemented into the surface string, per WV regulations. The estimated TD is the TVD landing point for the horizontal section of well, with the plan to then drill to a final TVD of 6416' at the toe of the lateral. The geologic structure is unknown at this time. LATERAL DRILLING TOLERANCES Deviate as little as possible left to avoid planned lateral 515883 Mapview - Right of borehole: Deviate as little as possible right to avoid planned lateral 515886. DO NOT EXTEND beyond recommended wellbore to avoid leaseline

CSG DEPTH

CSG DEPTH

CSG DEPTH

@ TD

Mapview - Left of borehole:

RECOMMENDED CASING POINTS

Mapview - TD:

9.5/8

5 1/2

CSG OD

CSG OD

CSG OD

J. Dereume/ E. Glick Author Plat Date Date Created PUL96 prog created: EVG 2/3/2015 1/21/2015 revised with new H number EVG 5/13/2015 5/4/2015 updated with plan EVG 5/18/2015

7/72015 6/23/2015 lateral lengthen EVG

P COAL 1 PILOT HOLE

Fresh Water/Coal

Intermediate 1:

Production:

0 CASING PROGRAM

0 STORAGE Office of Oil & Gas

100' below FW

below Big Injun

655

3500

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

ate of No	tice Certification: 5/21/2	API N	0.47	85 - (
		Opera	ator's Well No.	. 515889
			Pad Name:	PUL96
	Landa Landa			
	been given:	ado 5 22 64 the Operator has provided the	uivad padias ud	ith the Notice Come listed
	the provisions in west virginia (e tract of land as follows:	ode § 22-6A, the Operator has provided the req	uired parties wi	ith the Notice Forms listed
ate:	WV	UTM NAD 83 Easting:		501,217.10
ounty:	Ritchie	UTM NAD 83 Lasting:		4,340,209.74
strict:	Union	Public Road Access:		CR 7/4
adrangle:	Pullman	Generally used farm name:	Ja	ames H & Wilma J Wilson
atershed:	Goose Run of Rockcamp R	ın		
this article ursuant to at the Ope	le § 22-6A-11(b), the applicant se have been completed by the a	Operator has attached proof to this Notice Certifuired parties with the following:	nat the notice relification	
rginia Cod this article ursuant to at the Ope PLEASE C	le § 22-6A-11(b), the applicant see have been completed by the applicant see h	nall tender proof of and certify to the secretary the plicant. Operator has attached proof to this Notice Certifuired parties with the following:	ification NO D ONDUCTED	OOG OFFICE USE ONLY RECEIVED/NOT
riginia Cod this article ursuant to at the Ope PLEASE C NOTICE	le § 22-6A-11(b), the applicant see have been completed by the applicant see h	nall tender proof of and certify to the secretary the plicant. Operator has attached proof to this Notice Certifuired parties with the following: NOTICE NOT REQUIRED BECAUSE NOTICE NOTICE NOTICE WAS CONDUCTE	ification NO D ONDUCTED	OOG OFFICE USE ONLY RECEIVED/NOT REQUIRED
rginia Cod this article ursuant to at the Ope PLEASE C	le § 22-6A-11(b), the applicant see have been completed by the applicant see h	Operator has attached proof to this Notice Certiquired parties with the following: NOTICE NOT REQUIRED BECAUSE NOTICE NOT REQUIRED BECAUSE NOTICE NOT REQUIRED BECAUSE NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURV	ification NO D D D D D D D D D D D D D	OOG OFFICE USE ONLY RECEIVED/NOT REQUIRED RECEIVED
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rginia Cod this article ursuant to at the Ope PLEASE O NOTICE NOTICE NOTICE	le § 22-6A-11(b), the applicant se have been completed by the applicant se have been completed by the applicant se have been completed by the applicant served the restator has properly served the re	NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURV WAS CONDUCTED OR WRITTEN WAIVER BY SURFACE OW (PLEASE ATTACH)	ification NO D ONDUCTED 15 1 0 2 VNER	OOG OFFICE USE ONLY RECEIVED/NOT REQUIRED 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 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. 08/07/2015 WW-6AC (1/12)

CO. 1772 1 1273	11/2	Carlo Training		2	11 - 1	
Certification	of	Notice	is	hereby	dive	n:

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

Well Operator:	EQT Production Company		Address:	P.O. Box 2	280			
By:	Victoria J. Roark		Bridgeport,	WV 26330				
Its:	Permitting Supervisor		Facsimile:	304-848-0	040			
Telephone:	304-848-0076		Email:	vroark@ed	qt.com			
	OFFICIAL SEAL STATE OF WEST VIRGINIA MOTARY PUBLIC Nicholas L. Bumgardner Rt. 1, Box 4 TARY SUMMEN, WV 25124 My Commission Expires July 27, 2018	Subscribed a	nd sworn before	me this	_26 2018	day of	MAY Not	,2015 ary Public

Oil and Gas Privacy Notice:

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

4708510220

Received
Office of Oil & Gas
MAY 28 2015

WW-6A (9-13)

API NO.	47	-	085	0
OPERATOR	R WEL	LNO.		515885
Well Pad	Nam			PHI 96

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

Notice Time Requirement: n Date of Notice: 5		han the filing date of permit application Filed:	lauk
Notice of:			
PERMIT FOR ANY WELL WORK		TE OF APPROVAL FOR THE TION OF AN IMPOUNDMENT C	DR PIT
Delivery method pursuant	to West Virginia Code § 22-6/	A-10(b)	
PERSONAL SERVICE	☐ REGISTERED MAIL		ERY THAT REQUIRES A TURE CONFIRMATION
for the construction of a requires a receipt or sig plat to each of the follo the surface tract or tract disturbance as describe lessee, in the event the record of the surface tract construction, enlargement water purveyor who is which is used to provid work activity is to take in the lands, the applica article one, chapter elevantess the lien holder is the surface owner and a Application Notice	an impoundment or pit as a nature confirmation, copie wing persons: (1) The own is overlying the oil and gas d in the erosion and sedim tract of land on which the act or tracts overlying the oent, alteration, repair, remove the water for consumption be place. (c)(1) If more than the tract and the water for consumption be place. (c)(1) If more than the tract and this code. (2) Note the landowner. W. Va. Compute the water purveyor or surface.	required by this article shall desof the application, the erositers of record of the surface of leasehold being developed beent control plan submitted purely well proposed to be drilled is a point and gas leasehold being deval or abandonment of any in have a water well, spring or way humans or domestic animal hree tenants in common or of the tenants. See the tenants in the ten	lication, the applicant for a permit for any well work or for deliver, by personal service or by registered mail or by any ion and sediment control plan required by section seven of of the tract on which the well is or is proposed to be located; by the proposed well work, if the surface tract is to be used ursuant to subsection (c), section seven of this article; (3) a located [sic] is known to be underlain by one or more coal eveloped by the proposed well work, if the surface tract is to impoundment or pit as described in section nine of this evater supply source located within one thousand five las; and (6) The operator of any natural gas storage field ther co-owners of interests described in subsection (b) of described in the records of the sheriff required to be if this article to the contrary, notice to a lien holder is not in part, that the operator shall also provide the Well Site and water testing as provided in section 15 of this rule.
☑ SURFACE OWNE Name:		J Wilson Name:	DWNER OR LESSEE David R & Judy Wilson
Address:	214 N C Harrisville W	hurch St V 26362 Address:	42 School St Harrisville WV 26362
Name: Address:	Harrisville W	hurch St Name:	See attached for additional coal owners. DENATOR 2 0 0 0 0
	RS(s) (Road and/or Other	Disturbance /	0
Name: Address:		The state of the s	CE OWNER OF WATER WELL TER PURVEYOR(s) 0
Name:	James Dougla	s Wilson / Address:	0
Address:	214 N C Harrisville W	hurch St / 26362	<u> </u>
	See .	Attached	Received Gas
SURFACE OWNE Name: Address:	R(s) (Impoundments/Pits) Wilma 214 N C	J Wilson Name: Address:	OFFICE WAY 2 8 2015
	Harrisville W		MAY
	See	*Please attach	additional forms if necessary

WW-6A (8-13) API NO. 47 - 085 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 -

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two 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 hub 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 the sure of 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 term of the well Sermined prior location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the well to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the rose, right, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location recording occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restricted regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

OPERATOR WELL NO. Well Pad Name:

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

Written Comment:

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

Chief, Office of Oil and Gas

Chief, Office of Oil and Gas

Department of Environmental Protection

601 57th St. SE

Charleston, WV 25304

(304) 926-0450

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

WW-6A (8-13)

API NO. 47 -	085	• _	0
OPERATOR WELL NO.			515885
Well Pad Name:			PUL96

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial 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, region of the permit decision and a list of persons qualified to test water.

Received

Received

MAY 28 2015

08/07/2015

Notice is hereby giv	en by:		
Well Operator:	EQT Production Company	Address:	115 Professional Place P.O. Box 280
Telephone:	304-848-0082		Bridgeport, WV 26330
Email:	Vroark@eqt.com	Facsimile:	304-848-0041

Oil and Gas Privacy Notice:

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

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

Its: Permitting Supervisor OFFICIAL SEAL STATE OF WEST VIRGINIA NOTARY PUBLIC Nicholas L. Bumgardner Rt. 1, Box 4 Liberty, WV 25124

му Gommission Expires July 27, 2018

By: Victoria Roark

Sabscribed and sworn before n

Notary Public

4708510220

Received Office of Oil & Gas MAY 28 2015

WW6-A

AdditionalSurface Owners:

Robert Brian Wilson 665 Nicolette Rd Parkersburg WV 26104

James Bardley Wilson 665 Nicolette Rd Parkersburg WV 26104

Ian David Wilson 80 Pullman Rd Harrisville, WV 26362

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

Jean W Moore 1590 Rock Camp Rd Harrisville WV 26362

AdditionalSurface Owners: Access Road

Robert Brian Wilson 665 Nicolette Rd Parkersburg WV 26104

James Bradley Wilson 665 Nicolette Rd Parkersburg WV 26104

Ian David Wilson 80 Pullman Rd Harrisville, WV 26362

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

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Received Office of Oil & Gas MAY 28 2015

Additional Surface Owners: Pits/Impoundments

James Douglas Wilson 214 N Church St Harrisville WV 26362

Robert Brian Wilson 665 Nicolette Rd Parkersburg WV 26104

James Bradley Wilson 665 Nicolette Rd Parkersburg WV 26104

lan David Wilson 80 Pullman Rd Harrisville, WV 26362

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

Additional Coal Owners

James Douglas Wilson 214 N Church St Harrisville WV 26362

Wilma J Wilson 214 N Church St Harrisville WV 26362

Jean Moore 1590 Rock Camp Rd Harrisville WV 26362

Karen Roche 3131 Ellenboro Rd Harrisville WV 26362

Laurie Ann Haddox 1407 Pullman Rd Harrisville WV 26362

Linda D Hall 406 South Spring St Harrisville WV 26362

Mary E Props 579 Lambs Run Harrisville WV 26362

Oleta Jane Wilson 665 Nicolette Rd Parkersburg WV 26104

Oma Jean Wilson 886 Cherry Rd Massillon OH 44647 4708510220

Received
Office of Oil & Gas

Topo Quad: Pullman 7.5' Scale: 1 " = 2000' Ritchie December 12, 2014 County: Date: Project No: 243-38-U-14 Union District: **PULLMAN 96** Oil Wen Pulman 96 Received Office of Oil PREPARED FOR: EQT Production Company ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8608
FAX: (304) 649-8608 P.O. Box 280 Bridgeport, WV 26330 NEYS

515885

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

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

Notice Time Requirement Date of Notice:	4/24/2015	Date Permit App		5/4/15		
Delivery method pursua	nt to West Virginia Co	de § 22-6A-16(b)				
HAND DELIVERY	CERTIF RECEIF	IED MAIL RETUR T REQUESTED	RN			
drilling a horizontal well: I of this subsection as of th	I delivery, give the sur Provided, That notice ped e date the notice was I in writing by the surf	face owner notice of it given pursuant to subs provided to the surfact face owner. The notice	ts intent to enter upor section (a), section ten ce owner: Provided, ho e, if required, shall incl	the surface owne of this article sation wever, That the nude the name, add	er's land for the purpose of sfies the requirements otice requirements of this dress, telephone number	
Notice is hereby provided	to the SURFACE OW	NER(s):	/			
Name:		Wilma J Wilson	Name:		James Douglas Wilson	
Addison		214 N Church St	Address:		214 N Church St	
Address:		ELT IN CHAICH SE			Tarrit Cital Cit St	
Address:	н	larrisville WV 26362	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Harrisville WV 26362	
Notice is hereby given: Pursuant to West Virginia	Code § 22-6A-16(b), n	arrisville WV 26362 otice is hereby given t	hat the undersigned w	vell operator has a	Harrisville WV 26362	
Notice is hereby given: Pursuant to West Virginia the surface owner's land f	Code § 22-6A-16(b), n	arrisville WV 26362 otice is hereby given t ing a horizontal well o	hat the undersigned w	vell operator has a ollows:	00	
Notice is hereby given: Pursuant to West Virginia the surface owner's land f	Code § 22-6A-16(b), n	otice is hereby given t ing a horizontal well o	that the undersigned with the tract of land as for	vell operator has a ollows: Easting	00	501,217.10
Notice is hereby given: Pursuant to West Virginia the surface owner's land f State: County:	Code § 22-6A-16(b), n	otice is hereby given t ing a horizontal well o WV Ritchie	n the tract of land as f	ollows: Easting Northing	00	21.25
Notice is hereby given: Pursuant to West Virginia the surface owner's land f State: County:	Code § 22-6A-16(b), n	otice is hereby given t ing a horizontal well o WV Ritchie Union	n the tract of land as for UTM NAD 83	Easting Northing ic Road Access:	00	501,217.10
Notice is hereby given: Pursuant to West Virginia the surface owner's land f State: County: District:	Code § 22-6A-16(b), n or the purpose of drill	otice is hereby given t ing a horizontal well o WV Ritchie Union Pullman	n the tract of land as for UTM NAD 83	ollows: Easting Northing	n intent to onter upon	501,217.10 4,340,209.74
Notice is hereby given: Pursuant to West Virginia the surface owner's land f State: County: District:	Code § 22-6A-16(b), n	otice is hereby given t ing a horizontal well o WV Ritchie Union Pullman	n the tract of land as for UTM NAD 83	Easting Northing ic Road Access:	n intent to onter upon	501,217.10 4,340,209.74 CR 7/4
Notice is hereby given: Pursuant to West Virginia the surface owner's land f State: County: District: Quadrangle: Watershed: Goose R	Code § 22-6A-16(b), n or the purpose of drill un of Rockcamp Rur	otice is hereby given t ing a horizontal well o WV Ritchie Union Pullman	on the tract of land as fo UTM NAD 83 Publ Generally us	Easting Northing ic Road Access: sed farm name:	n intent to onter upon James H 8	501,217.10 4,340,209.74 CR 7/4
Notice is hereby given: Pursuant to West Virginia the surface owner's land f State: County: District: Quadrangle: Watershed: Goose R This Notice Shall Include:	Code § 22-6A-16(b), n or the purpose of drill un of Rockcamp Rur	otice is hereby given to ing a horizontal well on the	UTM NAD 83 Publ Generally us	Easting Northing ic Road Access: sed farm name:	James H 8	501,217.10 4,340,209.74 CR 7/4
Notice is hereby given: Pursuant to West Virginia the surface owner's land f State: County: District: Quadrangle: Watershed: Goose R Pursuant to West Virginia facsimile number and elections.	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur	otice is hereby given to ing a horizontal well on the WV Ritchie Union Pullman on the operator and the opera	UTM NAD 83 Publ Generally us the name, address, te	Easting Northing ic Road Access; sed farm name:	James H 8	501,217.10 4,340,209.74 CR 7/4
This Notice Shall Include: Pursuant to West Virginia facsimile number and elec related to horizontal drillin	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur Code § 22-6A-16(b), the tronic mail address of a great may be obtained from	otice is hereby given to the control of the control	UTM NAD 83 Publ Generally us the name, address, te operator's authorized ne WV Department of 8	Easting Northing ic Road Access: sed farm name: lephone number, representative. Ac	James H 8	501,217.10 4,340,209.74 CR 7/4
Notice is hereby given: Pursuant to West Virginia the surface owner's land for the surface of the sur	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur Code § 22-6A-16(b), the tronic mail address of a great may be obtained from	otice is hereby given to the control of the control	UTM NAD 83 Publ Generally us the name, address, te operator's authorized ne WV Department of 8	Easting Northing ic Road Access: sed farm name: lephone number, representative. Ac	James H 8	501,217.10 4,340,209.74 CR 7/4
Notice is hereby given: Pursuant to West Virginia the surface owner's land for State: County: District: Quadrangle: Watershed: Goose R This Notice Shall Include: Pursuant to West Virginia is acsimile number and elected to horizontal drillinocated at 601 57th Street,	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur Code § 22-6A-16(b), the tronic mail address of ig may be obtained from SE, Charleston, WV 25	otice is hereby given to the control of the control	UTM NAD 83 Publ Generally us the name, address, te operator's authorized ne WV Department of 8	Easting Northing ic Road Access: sed farm name: lephone number, representative. Ac	James H 8	501,217.10 4,340,209.74 CR 7/4
Notice is hereby given: Pursuant to West Virginia the surface owner's land for the surface owner's land land land land land land land land	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur Code § 22-6A-16(b), the tronic mail address of a g may be obtained from SE, Charleston, WV 25	otice is hereby given to ing a horizontal well on the Secretary, at the S304 (304-926-0450) of the operator and the secretary.	UTM NAD 83 Publ Generally us the name, address, te operator's authorized ne WV Department of 8 or by visiting www.dep	Easting Northing ic Road Access; sed farm name: lephone number, representative. Ac Environmental Pro	James H 8	501,217.10 4,340,209.74 CR 7/4 Wilma J Wilson
Notice is hereby given: Pursuant to West Virginia the surface owner's land for the surface owner's land	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur Code § 22-6A-16(b), the tronic mail address of a gray be obtained from SE, Charleston, WV 25	otice is hereby given to ing a horizontal well on the Secretary, at the Saute Company	UTM NAD 83 Publ Generally us the name, address, te operator's authorized ne WV Department of 8 or by visiting www.dep	Easting Northing ic Road Access; sed farm name: lephone number, representative. Ac Environmental Pro	James H &	501,217.10 4,340,209.74 CR 7/4 Wilma J Wilson
Notice is hereby given: Pursuant to West Virginia the surface owner's land for the surface owner's land	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur Code § 22-6A-16(b), the tronic mail address of ig may be obtained from SE, Charleston, WV 25 EQT Products of the control	otice is hereby given to ing a horizontal well on the operator and the ope	UTM NAD 83 Publ Generally us the name, address, te operator's authorized ne WV Department of 8 or by visiting www.dep	Easting Northing ic Road Access; sed farm name: lephone number, representative. Ac Environmental Pro	James H 8 and if available, ditional information tection headquarters, as/pages/default.aspx	501,217.10 4,340,209.74 CR 7/4 Wilma J Wilson Victoria Roal
Notice is hereby given: Pursuant to West Virginia the surface owner's land for the surface owner's land land for the surface owner's	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur Code § 22-6A-16(b), the tronic mail address of ig may be obtained from SE, Charleston, WV 25 EQT Products of the control	otice is hereby given to ing a horizontal well on the Secretary, at the Saute Company	UTM NAD 83 Publ Generally us the name, address, te operator's authorized ne WV Department of B or by visiting www.dep Authorized Represental Address:	Easting Northing ic Road Access; sed farm name: lephone number, representative. Ac Environmental Pro	James H 8 and if available, ditional information tection headquarters, as/pages/default.aspx	Victoria Roal lace, P.O Box 28 geport, WV 2633
Notice is hereby given: Pursuant to West Virginia the surface owner's land for the surface owner's land	Code § 22-6A-16(b), nor the purpose of drill un of Rockcamp Rur Code § 22-6A-16(b), the tronic mail address of a may be obtained from SE, Charleston, WV 25 EQT Products of Professional Plates and Plates are serious pridger	otice is hereby given to ing a horizontal well on the North Market Marke	UTM NAD 83 Publ Generally us the name, address, te operator's authorized ne WV Department of 8 or by visiting www.dep	Easting Northing ic Road Access; sed farm name: lephone number, representative. Ac Environmental Pro	James H 8 and if available, ditional information tection headquarters, as/pages/default.aspx	501,217.10 4,340,209.74 CR 7/4 Wilma J Wilson Victoria Roal

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 08/07/2015 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 23	2-
6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.	

Date of Notice	e: 4/24/2015 Date Permit Ap	plication Filed:	5/4/1	15		
Delivery meth	nod pursuant to West Virginia Code § 22-6A-16(b)					
receipt reques drilling a horiz of this subsect subsection ma	I. Va. Code § 22-6A-16(b), at least ten days prior to filit sted or hand delivery, give the surface owner notice of contal well: Provided, That notice given pursuant to sultion as of the date the notice was provided to the surface by be waived in writing by the surface owner. The notice, facsimile number and electronic mail address of the	fits intent to enter upon bsection (a), section ten ace owner: Provided, ho ce, if required, shall inclu	the surface owr of this article sat wever, That the de the name, ac	ner's land for the tisfies the requi notice requirer Idress, telepho	ne purpose of irements ments of this one number,	
Notice is here	by provided to the SURFACE OWNER(s):	/				
Name:	Robert Brian Wilson	Name:		James B	Bardley Wilson	/
Address:	665 Nicolette Rd	Address:			5 Nicolette Rd	
				47.4.34.5	1407 25304	
Pursuant to W	Parkersburg WV 26104 by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given vner's land for the purpose of drilling a horizontal well	n that the undersigned w on the tract of land as fo	ell operator has	Parkersbu an intent to en		
Pursuant to W the surface ow State:	by given: /est Virginia Code § 22-6A-16(b), notice is hereby given	n that the undersigned w on the tract of land as fo UTM NAD 83	ell operator has bllows: Easting Northing		nter upon	501,221.33 ,340,217.84
Pursuant to W the surface ow State: County:	by given: lest Virginia Code § 22-6A-16(b), notice is hereby given vner's land for the purpose of drilling a horizontal well WV	on the tract of land as fo	Easting		nter upon	501,221.33 ,340,217.84 CR 7/4
Pursuant to W the surface ow State: County: District:	by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given wher's land for the purpose of drilling a horizontal well WV Ritchie Union Pullman	on the tract of land as fo UTM NAD 83 Publi	Easting		nter upon	,340,217.84 CR 7/4
Notice is herel Pursuant to W the surface ow State: County: District: Quadrangle: Watershed:	by given: lest Virginia Code § 22-6A-16(b), notice is hereby given wher's land for the purpose of drilling a horizontal well WV Ritchie Union	on the tract of land as fo UTM NAD 83 Publi	Easting Northing c Road Access:	an intent to en	nter upon	,340,217.84 CR 7/4
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W facsimile numb	by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given vner's land for the purpose of drilling a horizontal well WV Ritchie Union Pullman Goose Run of Rockcamp Run	On the tract of land as for UTM NAD 83 Publi Generally us de the name, address, tell e operator's authorized in the WV Department of E	Easting	an intent to en	James H & W	,340,217.84 CR 7/4
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Sh. Pursuant to W facsimile numb related to horizocated at 601	by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given wher's land for the purpose of drilling a horizontal well with the purpose of drilling may be obtained from the Secretary, at 57th Street, SE, Charleston, WV 25304 (304-926-0450)	On the tract of land as for UTM NAD 83 Publi Generally us de the name, address, tell e operator's authorized in the WV Department of E	Easting	an intent to en	James H & W	,340,217.84 CR 7/4
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W facsimile numb related to horiz ocated at 601 Notice is hereb	by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given wher's land for the purpose of drilling a horizontal well WV Ritchie Union Pullman Goose Run of Rockcamp Run Best Virginia Code § 22-6A-16(b), this notice shall include there and electronic mail address of the operator and the zontal drilling may be obtained from the Secretary, at 57th Street, SE, Charleston, WV 25304 (304-926-0450) by given by: EQT Production Company	On the tract of land as for UTM NAD 83 Publi Generally us de the name, address, tell e operator's authorized in the WV Department of E	Easting	an intent to en	James H & W	,340,217.84 CR 7/4 filma J Wilson
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W facsimile numb related to horiz located at 601 Notice is hereb Well Operator:	by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given wher's land for the purpose of drilling a horizontal well with the purpose of drilling man be determined by the purpose of the purpose of the operator and the operator a	UTM NAD 83 Publi Generally us de the name, address, telle operator's authorized rethe the WV Department of Eller or by visiting www.dep	Easting	r, and if availab Additional infortotection headings/pages/defi	James H & W	CR 7/4 CR 7/4 ilma J Wilson
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W facsimile numb related to hori: ocated at 601 Notice is hereb Well Operator: Address:	by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given wher's land for the purpose of drilling a horizontal well with the purpose of drilling man be pullman all Include: View Virginia Code § 22-6A-16(b), this notice shall include the purpose of the operator and the purpose of	on the tract of land as for UTM NAD 83 Public Generally us de the name, address, tell e operator's authorized of the WV Department of Ellor or by visiting www.dep Authorized Representat Address:	Easting	an intent to en	James H & W	Victoria Rose, P.O Box 2
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W facsimile numb related to horiz located at 601 Notice is hereb Well Operator: Address:	by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given wher's land for the purpose of drilling a horizontal well with the purpose of drilling man with the purpose of the purpose of the operator and the purpose of	On the tract of land as for UTM NAD 83 Public Generally us de the name, address, tell e operator's authorized of the WV Department of Ethe WV Department	Easting	an intent to en	James H & W	Victoria Rose, P.O Box 2
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Sh Pursuant to W facsimile numb	by given: Vest Virginia Code § 22-6A-16(b), notice is hereby given wher's land for the purpose of drilling a horizontal well with the purpose of drilling man be pullman all Include: View Virginia Code § 22-6A-16(b), this notice shall include the purpose of the operator and the purpose of	on the tract of land as for UTM NAD 83 Public Generally us de the name, address, tell e operator's authorized of the WV Department of Ellor or by visiting www.dep Authorized Representat Address:	Easting	an intent to en	James H & W	Victoria Rose, P.O Box 2

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 08/07/2015 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

515888

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

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of	W Va Code 8 22-
6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the	surface owner.

Date of Notice:	quirement: Notice shall be provide 4/24/2015		10) days prior to pplication Filed:	filing a pe	rmit application. 5/4/15		
Delivery metho	d pursuant to West Virginia Code §	32 CA 15/L)					
Delivery metho	or pursuant to west virginia code 9	22-6A-16(b)					
Pursuant to W.	Va. Code § 22-6A-16(b), at least ten	days prior to fil	ing a nermit anni	ication an	anaratar shall h		
drilling a horizo	ed or hand delivery, give the surface ntal well: Provided, That notice give	owner notice of pursuant to su	of its intent to ent absection (a), sec	er upon th	e surface owner'	s land for the purpose	
of this subsection	on as of the date the notice was prov	ided to the sur	face owner: Prov	ided, howe	ever, That the not	tice requirements of th	is
and if available,	be waived in writing by the surface facsimile number and electronic ma	owner. The not il address of th	ice, if required, sl e operator and th	hall include ne operato	e the name, addre r's authorized rep	ess, telephone number presentative.	•
Notice is hereby	provided to the SURFACE OWNER		/.				
Address:		80 Pullman Rd	Name:		Da	vid R Wilson & Judy Wilso	_
20221 2021	Harriss	ville, WV 26362	Address:	-		42 School S	_
	Tidiris	me, WV 20302	-			Harrisville WV 2636	2
State:		wv	UTM NA	D 83	Easting		501,221.33
County:		Ritchie			Northing		4,340,217.84
District: Quadrangle:		Union			Road Access		CR 7/4
Watershed:	Goose Run of Rockcamp Run	Pullman	Ger	nerally used	farm name:	James H	& Wilma J Wilson
	deese non of nockeamp num				0	0	
This Notice Shal	Include:				c	9	
Pursuant to Wes	t Virginia Code § 22-6A-16(b), this n	otice shall inclu	de the name, add	ress, teler	hone number, ar	nd if Available	
facsimile numbe	r and electronic mail address of the	operator and th	e operator's auth	norized rep	resentative. Add	itione Information	
related to horizo	ntal drilling may be obtained from t	ne Secretary, at	the WV Departm	ent of Fny	ironmental Prote	ection beadquarters	
located at 601 5	th Street, SE, Charleston, WV 25304	(304-926-0450) or by visiting w	ww.dep.w	v.gov/oil-and-gas	/pages/default.aspx	
Notice is hereby						0	
Well Operator:		n Campani					
Address:	EQT Production 115 Professional Place, I		Authorized Rep	presentative			Victoria Roa
		, WV 26330	Address:			115 Professional I	
Telephone:		04-848-0076	Telephone:			70.504	304-848-007
mail:		@eqt.com	Email:	_		Received	304-646-00
acsimile:		4-848-0041	Facsimile:			Heceived	304-848-004
0.00	and the state of t			-		2015	231 340 00
Oil and Gas Priva	District Colored National					MAY 2 8 2015	
the Office of Oil	and Gas processes your personal info	ormation, such	as name, address	and telep	hone number, as	part of our regulatory	
onded to	onal information may be disclosed to	other State ag	encies or third pa	arties in th	e normal course	of business or as	
reeded to compl	with statutory or regulatory requir	ements, includi	ng Freedom of In	formation	Act requests. Ou	r office will	

appropriately secure your personal information. If you have any questions about our use or your personal information, please contactors (18/07/2015)

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

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

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

6A-10(a) hav	e NOT been met or if the Notice of Intent to Drill requ	irement has NOT been v	vaived in writing by the su	urface owner.
Notice Time	Requirement: Notice shall be provided at least TEN (10) days i t- 60		
Date of Notic	ce: 4/24/2015 Date Permit A	pplication Filed:	permit application. 5/4/15	
Delivery met	thod pursuant to West Virginia Code § 22-6A-16(b)			
e meny mee	mod parsuant to West Virginia Code 9 22-6A-16(b)			
Pursuant to V	V. Va. Code § 22-6A-16(b), at least ten days prior to fil	ing a permit application	an operator shall be and	or a second
receipt reque	sted or hand delivery, give the surface owner notice o	of its intent to enter upor	n the surface owner's land	d for the purpose of
drilling a hori	zontal well: Provided, That notice given pursuant to su	ubsection (a), section ten	of this article satisfies th	e requirements
or this subsec	tion as of the date the notice was provided to the surl	face owner: Provided, ho	wever. That the notice re	aquirements of this
subsection m	ay be waived in writing by the surface owner. The not	ice, if required, shall incl	ude the name, address, to	elephone number
and if availab	le, facsimile number and electronic mail address of the	e operator and the opera	ator's authorized represen	ntative
		242 27 377		redive.
Notice is here	eby provided to the SURFACE OWNER(s):			
Name: _	Jean W Moore	Name:		
Address:	1590 Rock Camp Rd	Address:		
	Harrisville WV 26362			
Notice is here	by given:			
		n that the condensation 1	And the state of the state of	
the surface ov	lest Virginia Code § 22-6A-16(b), notice is hereby given wner's land for the purpose of drilling a horizontal well	n that the undersigned w	vell operator has an inten	t to enter upon
200000000000000000000000000000000000000	well and the purpose of drilling a nonzontal well	i on the tract of land as f	ollows:	
State:	wv		Faction	2012233
County:	Ritchie	UTM NAD 83	Easting Northing	501,221.33
District:	Union	Publ	lic Road Access:	4,340,217.84
Quadrangle:	Pullman		sed farm name:	CR 7/4
Vatershed:	Goose Run of Rockcamp Run	ocherany u.	sed farm flattie.	James H & Wilma J Wilson
his Notice Sh	all Include:			
ursuant to W	est Virginia Code § 22-6A-16(b), this notice shall include	de the name address to	Jonhana aumhar and 2	۷
acsimile numb	ber and electronic mail address of the operator and th	e operator's authorized	representative Additional	vailable,
elated to hori	zontal drilling may be obtained from the Secretary, at	the WV Department of I	representative. Additiona	Information
ocated at 601	57th Street, SE, Charleston, WV 25304 (304-926-0450	or by visiting your den	invironmental Protection	neadquarters,
	, , , , , , , , , , , , , , , , , , , ,	y or by visiting www.dep	.wv.gov/oii-and-gas/page	s/default aspx
lotice is herel	by given by:			0
Vell Operator:	EQT Production Company	Authorized Representat	tivo	2
ddress:	115 Professional Place, P.O Box 280	Address:		Victoria Roar
	Bridgeport, WV 26330	. 1601 633.		15 Professional Place, P.O Box 280
elephone:	304-848-0076	Telephone:	12	Bridgeport, WV 26330
mail:	vroark@eqt.com	Email:	B	- COI & GR 304-848-0076
acsimile:	304-848-0041	Facsimile:	Office	of Oil & Groark@eqt.com
		- 36 men 24		AY 28 2015 304-848-004
il and Gas Pri	vacy Notice:		W	AT NO

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 08/07/2015 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A	15
(1/12)	

515885

STATE OF WEST VIRGINIA

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

Notice Time R Date of Notice	Requirement: notice shall be provide: 5 27 2015			date of permit ap	Sar/2015
Delivery meth	nod pursuant to West Virginia Cod	le § 22-6A-16(c	:)		
	TIFIED MAIL IRN RECEIPT REQUESTED] HAND DELIVER	RY		
return receipt re the planned ope required to be p drilling of a hori damages to the	Va. Code § 22-6A-16(c), no later than a equested or hand delivery, give the su eration. The notice required by this su provided by subsection (b), section ten izontal well; and (3) A proposed surfact surface affected by oil and gas operat required by this section shall be given	rface owner who bsection shall ind of this article to e use and compe ions to the exter	ose land will be clude: (1) A co a surface ow ensation agre at the damag	pe used for the drill oppy of this code second will be written whose land will be ment containing a second pensable or compensable or compens	ing of a horizontal well notice of action; (2) The information of the line of
Notice is hereb	y provided to the SURFACE OWNER(s)			
(at the address	listed in the records of the sheriff at th	ne time of notice): /		
Name:		Wilma J Wilson	Name		James Douglas Wilson
Address:		214 N Church S	t Addre	ss: 4/	214 N Church Si
	H	arrisville WV 2636	2	· ·	A Harrisville WV 26362
State: County:		Ritchie	M NAD 83	Easting: Northing:	501,217.100000 4,340,209.740000
District:	_	7.0	blic Road Acc	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	CR 7/4
Quadrangle: Watershed:	Goose Run of Rockcamp Run	Pullman Ge	nerally used	tarm name:	James H & Wilma J Wilson
to be provided I horizontal well; surface affected information rela headquarters, Id pages/default.a Well Operator:	st Virginia Code § 22-6A-16(c), this not by W. Va. Code § 22-6A-10(b) to a surface use and code by oil and gas operations to the extersated to horizontal drilling may be obtated to horizontal drilling may be obtated at 601 57th Street, SE, Charlest ISPX. EQT Production Company	face owner whos ompensation agr ont the damages a lined from the Se	e land will be eement cont- ire compensa cretary, at th 04-926-0450 Address:	e used in conjunction aining an offer of consistency and article size the WV Department of the body or by visiting www. 115 Professional	on with the drilling of a compensation for damages to the x-b of this chapter. Additional of Environmental Protection
Telephone:	304-848-0082		Bridgeport,	WV 26330	
Email:	vroark@eqt.com		Facsimile:	304-848-0040	
Oil and Gas Priv	vacy Notice: I and Gas processes your personal info				

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 by the Oil & Gas needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office wilk Oil & Gas appropriately secure your personal information. If you have any questions about our use or your personal information DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A5
(1/12)

515885

STATE OF WEST VIRGINIA

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

	5/27/2015		Date Permit App	g date of permit appolention	5/27/2015
CERTIF	od pursuant to West Virginia C	ode § 22-6A	-16(c)		
	FIED MAIL RN RECEIPT REQUESTED	☐ HAN	ID IVERY		
return receipt receipt receipt the planned oper required to be predrilling of a horized damages to the s	a. Code § 22-6A-16(c), no later that quested or hand delivery, give the ration. The notice required by this ovided by subsection (b), section to ontal well; and (3) A proposed sur- urface affected by oil and gas oper equired by this section shall be give	surface owne subsection shaten of this artion face use and corations to the	r whose land will all include: (1) A cle to a surface o ompensation agr extent the dama	be used for the drilling copy of this code sect wner whose land will eement containing ar ges are compensable	ng of a horizontal well notice of ion; (2) The information be used in conjunction with the noffer of compensation for under article six-b of this chapter.
	provided to the SURFACE OWNER				
	sted in the records of the sheriff at				
Name:		Robert Brian \			James Bradley W
Address:		665 Nicole	-	ess:	665 Nicolett
	Р	arkersburg WV	26104		Parkersburg WV 2
Pursuant to West	Virginia Code § 22-6A-16(c), notic				
Pursuant to West operation on the State: County: District:				on the tract of land a Easting: Northing:	501,217.100 501,217.100 4,340,209.740
Pursuant to West operation on the State: County: District:	Virginia Code § 22-6A-16(c), notic	ose of drilling WV Ritchie	a horizontal well UTM NAD 83	on the tract of land a Easting: Northing: cess:	501,217.100 6 4,340,209.740
Pursuant to West operation on the State: County: District: Quadrangle:	Virginia Code § 22-6A-16(c), notic	ose of drilling WV Ritchie Union	a horizontal well UTM NAD 83 Public Road Ad	on the tract of land a Easting: Northing: cess:	501,217.100 501,217.100 4,340,209.740
operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; as surface affected bi information relate	Goose Run of Rockcamp Run Include: Virginia Code § 22-6A-16(c), notice W. Va. Code § 22-6A-10(b) to a send (3) A proposed surface use and any oil and gas operations to the extent of the company of t	NV Ritchie Union Pullman notice shall incurface owner of compensation tent the dama otained from the	a horizontal well UTM NAD 83 Public Road Ac Generally used clude: (1)A copy of whose land will be n agreement con iges are compens the Secretary, at t	on the tract of land a Easting: Northing: cess: farm name: of this code section; (2) te used in conjunction taining an offer of con able under article six- the WV Department of	2) The information required with the drilling of a mpensation for damages to the b of this chapter. Additional f Environmental Protection
Pursuant to West operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by norizontal well; as surface affected by norizontal well as surface affected by norizontal well as surface affected by norizontal well as surface affec	Goose Run of Rockcamp Run Include: Virginia Code § 22-6A-16(c), this r Virginia Code § 22-6A-16(c), this r VM. Va. Code § 22-6A-10(b) to a s and (3) A proposed surface use and any oil and gas operations to the extent of the code of	NV Ritchie Union Pullman notice shall incurface owner of compensation tent the dama otained from the	a horizontal well UTM NAD 83 Public Road Ac Generally used clude: (1)A copy of whose land will be n agreement con ages are compens the Secretary, at to 104 (304-926-045)	on the tract of land a Easting: Northing: cess: I farm name: of this code section; (2) I e used in conjunction taining an offer of corable under article six- the WV Department of the work of the w	2) The information required with the drilling of a mpensation for damages to the b of this chapter. Additional f Environmental Protection dep.wv.gov/oil-and-gas/
Pursuant to West operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; all surface affected by information relate headquarters, locages/default.asp	Goose Run of Rockcamp Run Include: Virginia Code § 22-6A-16(c), this r W. Va. Code § 22-6A-10(b) to a s and (3) A proposed surface use and and gas operations to the extent to horizontal drilling may be obtained at 601 57th Street, SE, Charles ox. EQT Production Company	NV Ritchie Union Pullman notice shall incurface owner of compensation tent the dama otained from the	a horizontal well UTM NAD 83 Public Road Ac Generally used clude: (1)A copy of whose land will be n agreement con ages are compens the Secretary, at to 104 (304-926-045) Address:	on the tract of land a Easting: Northing: cess: i farm name: of this code section; (2) we used in conjunction taining an offer of corable under article sixthe WV Department of (2) or by visiting www.	2) The information required with the drilling of a mpensation for damages to the b of this chapter. Additional f Environmental Protection dep.wv.gov/oil-and-gas/
Pursuant to West operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; as surface affected be information relate headquarters, loc	Goose Run of Rockcamp Run Include: Virginia Code § 22-6A-16(c), this r Virginia Code § 22-6A-16(c), this r VM. Va. Code § 22-6A-10(b) to a s and (3) A proposed surface use and any oil and gas operations to the extent of the code of	NV Ritchie Union Pullman notice shall incurface owner of compensation tent the dama otained from the	a horizontal well UTM NAD 83 Public Road Ac Generally used clude: (1)A copy of whose land will be n agreement con ages are compens the Secretary, at to 104 (304-926-045) Address:	on the tract of land a Easting: Northing: cess: I farm name: of this code section; (2) I e used in conjunction taining an offer of corable under article six- the WV Department of the work of the w	2) The information required with the drilling of a mpensation for damages to the b of this chapter. Additional f Environmental Protection dep.wv.gov/oil-and-gas/

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

WW-6A5
(1/12)

515885

STATE OF WEST VIRGINIA

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

Date of Notice	: 5/27/2015 [Date Permit Applica	don rneu.	2/2/1/2015
Delivery metho	od pursuant to West Virginia Code § 22-6A	-16(c)		,
	FIED MAIL RN RECEIPT REQUESTED HAN	ND LIVERY		
return receipt re the planned oper required to be pr drilling of a horiz damages to the s	Va. Code § 22-6A-16(c), no later than the date for equested or hand delivery, give the surface owner ation. The notice required by this subsection showing the subsection (b), section ten of this articontal well; and (3) A proposed surface use and contal well; and (3) and gas operations to the equired by this section shall be given to the surface.	er whose land will be un all include: (1) A copy icle to a surface owner compensation agreement the damages a	sed for the dri of this code se whose land w ent containing re compensab	illing of a horizontal well notice of ection; (2) The information vill be used in conjunction with the ; an offer of compensation for ole under article six-b of this chapter.
Notice is hereby	provided to the SURFACE OWNER(s)			
	sted in the records of the sheriff at the time of n	notice):		
Name:	lan David	1		David R Wilson & Judy Wilson
Address:	80 Pullr	man Rd Address:		42 School St
	Harrisville, WV	26362		Harrisville WV 26362
Pursuant to West	t Virginia Code § 22-6A-16(c), notice is hereby gi			
Pursuant to West operation on the State:	t Virginia Code § 22-6A-16(c), notice is hereby gi surface owner's land for the purpose of drilling WV		ne tract of land Easting:	d as follows: 501,217.100000
Pursuant to West operation on the State: County:	t Virginia Code § 22-6A-16(c), notice is hereby gi surface owner's land for the purpose of drilling WV Ritchie	a horizontal well on th UTM NAD 83	ne tract of land Easting: Northing:	d as follows: 501,217.100000 4,340,209.740000
operation on the State: County: District:	t Virginia Code § 22-6A-16(c), notice is hereby gi surface owner's land for the purpose of drilling WV Ritchie Union	a horizontal well on th UTM NAD 83 Public Road Access	ne tract of land Easting: Northing:	d as follows: 501,217.100000 4,340,209.740000 CR 7/4
Pursuant to West operation on the State: County:	t Virginia Code § 22-6A-16(c), notice is hereby gi surface owner's land for the purpose of drilling WV Ritchie	a horizontal well on th UTM NAD 83	ne tract of land Easting: Northing:	d as follows: 501,217.100000 4,340,209.740000
Pursuant to West 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.	t Virginia Code § 22-6A-16(c), notice is hereby gives a surface owner's land for the purpose of drilling WV Ritchie Union Pullman Goose Run of Rockcamp Run I Include: t Virginia Code § 22-6A-16(c), this notice shall in y W. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the damated to horizontal drilling may be obtained from to cated at 601 57th Street, SE, Charleston, WV 253	a horizontal well on the UTM NAD 83 Public Road Access: Generally used farm clude: (1)A copy of this whose land will be used agreement containing ages are compensable the Secretary, at the W	ne tract of land Easting: Northing: In name: Is code section and in conjunct and an offer of under article s IV Department	d as follows: 501,217.100000 4,340,209.740000 CR 7/4 James H & Wilma J Wilson 3; (2) The information required ion with the drilling of a compensation for damages to the six-b of this chapter. Additional t of Environmental Protection
Pursuant to West operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; a surface affected linformation relat headquarters, loopages/default.as	t Virginia Code § 22-6A-16(c), notice is hereby gives a surface owner's land for the purpose of drilling WV Ritchie Union Pullman Goose Run of Rockcamp Run I Include: t Virginia Code § 22-6A-16(c), this notice shall in y W. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the damated to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253 px.	a horizontal well on the UTM NAD 83 Public Road Access: Generally used farm clude: (1)A copy of this whose land will be used agreement containing ages are compensable the Secretary, at the Wand (304-926-0450) or	ne tract of land Easting: Northing: In name: In conjuncting an offer of under article self. In by visiting wy	tas follows: 501,217.100000 4,340,209.740000 CR 7/4 James H & Wilma J Wilson (2) The information required ion with the drilling of a compensation for damages to the six-b of this chapter. Additional to f Environmental Protection www.dep.wv.gov/oil-and-gas/
Pursuant to West operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; a surface affected linformation relat headquarters, low pages/default.ass Well Operator:	t Virginia Code § 22-6A-16(c), notice is hereby gives a surface owner's land for the purpose of drilling WV Ritchie Union Pullman Goose Run of Rockcamp Run I Include: t Virginia Code § 22-6A-16(c), this notice shall in y W. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the damated to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253 px. EQT Production Company	a horizontal well on the UTM NAD 83 Public Road Access: Generally used farm clude: (1)A copy of this whose land will be used agreement containing ages are compensable the Secretary, at the Waddess: 13	ne tract of land Easting: Northing: In name: Is code section and in conjunct and an offer of under article s IV Departmen by visiting wy	d as follows: 501,217.100000 4,340,209.740000 CR 7/4 James H & Wilma J Wilson 3; (2) The information required ion with the drilling of a compensation for damages to the six-b of this chapter. Additional t of Environmental Protection
Pursuant to West operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided by horizontal well; a surface affected linformation relat headquarters, loopages/default.as	t Virginia Code § 22-6A-16(c), notice is hereby gives a surface owner's land for the purpose of drilling WV Ritchie Union Pullman Goose Run of Rockcamp Run I Include: t Virginia Code § 22-6A-16(c), this notice shall in y W. Va. Code § 22-6A-10(b) to a surface owner and (3) A proposed surface use and compensation by oil and gas operations to the extent the damated to horizontal drilling may be obtained from the cated at 601 57th Street, SE, Charleston, WV 253 px.	a horizontal well on the UTM NAD 83 Public Road Access: Generally used farm clude: (1)A copy of this whose land will be used ages are compensable the Secretary, at the Waddress: 13 Address: 13 Bridgeport, WV	ne tract of land Easting: Northing: In name: Is code section and in conjunct and an offer of under article s IV Departmen by visiting wy	tas follows: 501,217.100000 4,340,209.740000 CR 7/4 James H & Wilma J Wilson (2) The information required ion with the drilling of a compensation for damages to the six-b of this chapter. Additional to f Environmental Protection www.dep.wv.gov/oil-and-gas/

Oil and Gas Privacy Notice:

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

WW-6A5	
(1/12)	

515885

STATE OF WEST VIRGINIA

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

Date of Notice	5/2//2015	_ D			
Delivery metho	od pursuant to West Virginia Code §	22-6A-	16(c)		1 /
	FIED MAIL RN RECEIPT REQUESTED	HAN	D VERY		
return receipt re the planned ope required to be po drilling of a horiz damages to the s	/a. Code § 22-6A-16(c), no later than the quested or hand delivery, give the surfarration. The notice required by this subserovided by subsection (b), section ten of contal well; and (3) A proposed surface usurface affected by oil and gas operation equired by this section shall be given to	ce owner ection sha this artic se and co s to the e	whose land will be all include: (1) A co cle to a surface ow compensation agre extent the damage	e used for the drilling oppy of this code section ner whose land will be ement containing an of a re compensable unc	of a horizontal well notice of ; (2) The information used in conjunction with the fer of compensation for der article six-b of this chapter.
Notice is hereby	provided to the SURFACE OWNER(s)				
at the address li	sted in the records of the sheriff at the t	ime of no	otice):		
Name:		Jean W N	Moore / Name:		
Address:	1590	O Rock Car	mp Rd Addre	55:	
	given:	sville WV		signed well operator h	as developed a planned
Pursuant to Wes operation on the State:	given: t Virginia Code § 22-6A-16(c), notice is h surface owner's land for the purpose of	ereby giv	ven that the under a horizontal well o UTM NAD 83	n the tract of land as fo Easting: Northing:	501,217.100000 4,340,209.740000
Pursuant to Wes operation on the State: County:	given: t Virginia Code § 22-6A-16(c), notice is h surface owner's land for the purpose of R	ereby giv f drilling a WV	ven that the under a horizontal well o UTM NAD 83 Public Road Acc	n the tract of land as fo Easting: Northing:	501,217.100000 4,340,209.740000 CR 7/4
Pursuant to Wes operation on the State: County: District:	given: t Virginia Code § 22-6A-16(c), notice is h surface owner's land for the purpose of R	ereby giv f drilling a WV titchie	ven that the under a horizontal well o UTM NAD 83	n the tract of land as fo Easting: Northing:	501,217.100000 4,340,209.740000
Pursuant to Wes operation on the State: County: District: Quadrangle:	given: t Virginia Code § 22-6A-16(c), notice is h surface owner's land for the purpose of R	ereby giv f drilling a WV Nitchie Union	ven that the under a horizontal well o UTM NAD 83 Public Road Acc	n the tract of land as fo Easting: Northing:	501,217.100000 4,340,209.740000 CR 7/4
Pursuant to West operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to West to be provided be horizontal well; a surface affected information relationed beadquarters, lo	given: t Virginia Code § 22-6A-16(c), notice is he surface owner's land for the purpose of R Pu Goose Run of Rockcamp Run I Include: t Virginia Code § 22-6A-16(c), this notice y W. Va. Code § 22-6A-10(b) to a surface and (3) A proposed surface use and comp by oil and gas operations to the extent the ted to horizontal drilling may be obtaine cated at 601 57th Street, SE, Charleston,	ereby given for drilling a wy titchie Union allman e shall ince owner we pensation he damag d from the damag	ven that the under a horizontal well of UTM NAD 83 Public Road Acc Generally used dude: (1)A copy of whose land will be an agreement contages are compensa	n the tract of land as for Easting: Northing: ess: farm name: this code section; (2) I sused in conjunction with a complete and a complete under article six-b complete with the complete with t	bllows: 501,217.100000 4,340,209.740000 CR 7/4 James H & Wilma J Wilson the information required that the drilling of a ensation for damages to the of this chapter, Additional nvironmental Protection
Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; a surface affected information related pages/default.as	given: t Virginia Code § 22-6A-16(c), notice is he surface owner's land for the purpose of R Goose Run of Rockcamp Run I Include: t Virginia Code § 22-6A-16(c), this notice y W. Va. Code § 22-6A-10(b) to a surface and (3) A proposed surface use and comp by oil and gas operations to the extent to ted to horizontal drilling may be obtaine cated at 601 57th Street, SE, Charleston, px.	ereby given for drilling a wy titchie Union allman e shall ince owner we pensation he damag d from the damag	ven that the under a horizontal well of UTM NAD 83 Public Road Acc Generally used dude: (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 for Easting: Northing: ess: farm name: this code section; (2) I will be used in conjunction will be under article six-b of Ewy Department of Er () or by visiting www.de	bllows: 501,217.100000 4,340,209.740000 CR 7/4 James H & Wilma J Wilson the information required the the drilling of a ensation for damages to the of this chapter, Additional nvironmental Protection p.wv.gov/oil-and-gas/
Pursuant to Westoperation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; a surface affected information relationed by the state of the st	given: t Virginia Code § 22-6A-16(c), notice is he surface owner's land for the purpose of R Pu Goose Run of Rockcamp Run I Include: t Virginia Code § 22-6A-16(c), this notice y W. Va. Code § 22-6A-10(b) to a surface and (3) A proposed surface use and comply oil and gas operations to the extent the ted to horizontal drilling may be obtaine cated at 601 57th Street, SE, Charleston, px. EQT Production Company	ereby given for drilling a wy titchie Union allman e shall ince owner we pensation he damag d from the damag	ven that the under a horizontal well of UTM NAD 83 Public Road Acc Generally used shown the second will be a agreement contages are compensate Secretary, at the O4 (304-926-0450) Address:	n the tract of land as for Easting: Northing: ess: farm name: this code section; (2) I wised in conjunction with a conjunction	bllows: 501,217.100000 4,340,209.740000 CR 7/4 James H & Wilma J Wilson the information required the the drilling of a ensation for damages to the of this chapter, Additional nvironmental Protection p.wv.gov/oil-and-gas/
operation on the State: County: District: Quadrangle: Watershed: This Notice Shall Pursuant to Westo be provided be horizontal well; a surface affected information relations.	given: t Virginia Code § 22-6A-16(c), notice is he surface owner's land for the purpose of R Goose Run of Rockcamp Run I Include: t Virginia Code § 22-6A-16(c), this notice y W. Va. Code § 22-6A-10(b) to a surface and (3) A proposed surface use and comp by oil and gas operations to the extent to ted to horizontal drilling may be obtaine cated at 601 57th Street, SE, Charleston, px.	ereby given for drilling a wy titchie Union allman e shall ince owner we pensation he damag d from the damag	ven that the under a horizontal well of UTM NAD 83 Public Road Acc Generally used dude: (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 for Easting: Northing: ess: farm name: this code section; (2) I wised in conjunction with a conjunction	bllows: 501,217.100000 4,340,209.740000 CR 7/4 James H & Wilma J Wilson the information required the the drilling of a ensation for damages to the of this chapter, Additional invironmental Protection p.wv.gov/oil-and-gas/

Oil and Gas Privacy Notice:

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



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Earl Ray Tomblin Governor 1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

Paul A. Mattox, Jr., P. E. Secretary of Transportation/ Commissioner of Highways

February 19, 2015

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

Subject: DOH Permit for the PUL 96 Pad Site, Ritchie County

515883 PUL96H1 515884 PUL96H2 515885 PUL96H3 515886 PUL96H4 515887 PUL96H5 515888 PUL96H6 515965 PUL96H7 515966 PUL96H8 515967 PUL96H9

515977 PUL96H10

Dear Mr. Martin,

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

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

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Nick Bumgardner

EQT Production Company

CH, OM, D-3, File

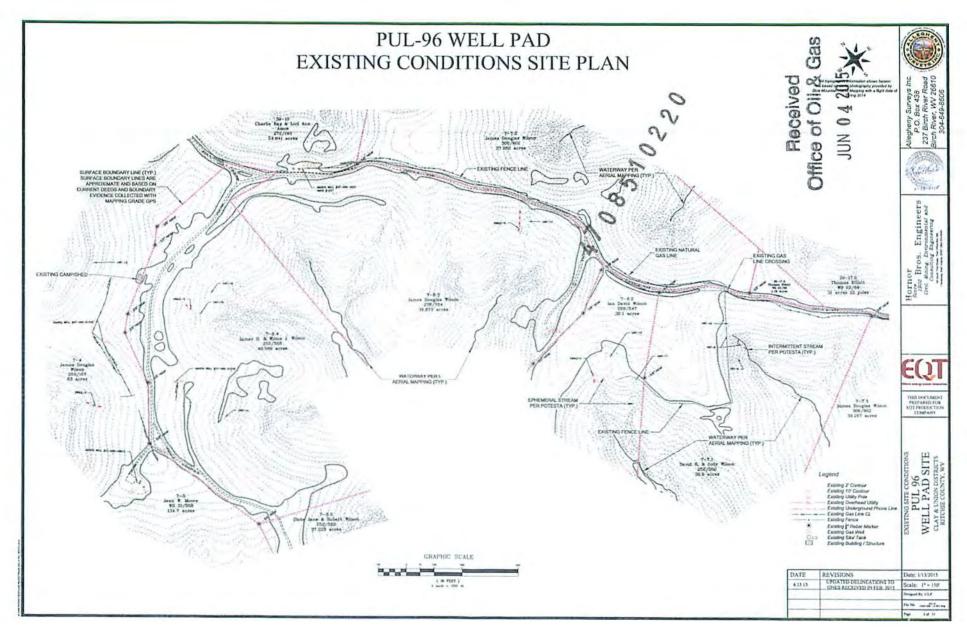
Received Office of Oil & Gas

Anticipated Frac Additives Chemical Names and CAS numbers

<u>Material</u>	Ingredient	CAS Number
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

*>085,0220

Received
Office of Oil & Gas
MAY: 2 8 2015





FIX: 194 WELL PAD		
Wern Description	1 may 7	QUANTIT
Annalysis was a second of the	-	denier 111
1 Ciraring, Grabbing 1 & 5 Contrate A Cleaning & Grabbing	N.C	
	-	13.43
5. Perimeter Barro.	U	
C. 24" Six Six h of Six Ferris D. Super Six Ferris	LP	6.770
	1.0	6.2
1. Mary Venner Control Microsco	if	6,205
F. Mope Eroscot Control Marting	SX	81,390
2 Exception (Cut City)		
A. Construction Entrance	LA	7.
8 Ord Pad	13	38.126
E. Flow Sack Fit	CF	24,880
D. Completion Fill	CT	66.647
1. Main Access fload	CY	4.853
# Completion Pd Autrus Road & Truck Turn Around	CY	479
G. Flowback Pit Access Road & Manford / Truck Acquid	CV	4.55W
H Topsof	CY	17,850
1. Diversion Ditish (5)	A.F	1,709
1 Bondade Dikeb	13	114
8. Dirich Lanning (Access Roses)	1	
1 No Rep	10	0
J. Spithata McCoo (1960)	39	194
1 Jule Malting	3¥	194
L. Drift Part Sump	14	
1.6" Connecting Pipe	W	160
	0	100
3 Stone		
A 6" #" flip flag (Interty/Outlets)	10%5	193
R #1 Stone (Ditch Checks)	TONS	23
	A	
C #3 Shone (Rock (Ivano)	1000	0.
4. Regregate Surfacing.		
A Drift Pad Geotostie Fallen (Terra Tex 90% 17)	14	15,844
		-
6 Drill Pail 1' Minus Crusher Aun Aggregate (7')	TONS	1.611
E. Drill Pad ST Minus Coulder Blue Aggregate (8")	TENES	5,970
D. Access Roads 1" Mmus Crusher Bun Aggregate (2")	1045	112
E. Access Boards 6" Moses Crustee Bun Aggregate (A")	TENS	1,278
F. Access Roads Geofestile Faliric (Terra Tex HFG-27)	17	1,042
G. Corny: Pit Pad 2" Minus Crucher Run Aggregate (2")	DON	171
H. Comp. Pit Ped 6" Minus Crisiber flor Aggregate (8")	tons	643
1 Comp. Fit Pad Geomestie John: (Terra les 1975, 17)	57	1,626
	-	
1 Flowback / TA Pad 1" Minus Crushet Run Aggregate (J*1)	JUNE	191
E. Ekrwhack / TA Pad 6" Minus Crasher Run Aggregate (8").	FUNS	773
1. Ekrahack / SA Pail-Geotestile Eaten (Serra Tox 105G-17)	SY	1,840
S. Firm Back Fit Lines 60 mil. A. (One) 50 mil Layer	1	7.6
A 10 no Fed Under Layers	98	2,839
M. 10 Da. Fell Unifier Layerment	Sw	4,818
E. Completion Sect Pt Lines - Name		
A (One) 50 mil Layer	59	9.977
B 15 ca Felt Under Layment	11	8,977
	100	-411
F Koold Culverts (3 Timul)		
A. 15" (MP DR HOPE (1)	1.0	30
B. 30" CMF OR HOPE FIS	if	0
C. 48" CMP CR HOPE (O)	AT.	0
A. Hydro Seeding	AC	36.61
1 Fesce and Gales A. Women War Fesse	W	1714
8 24 Double Swing Gate	EA.	2,754
	1.00	
10 Sectionarium	AL.	33.03

LOD AREAS	
DESCRIPTION	AREAS (ACRES
WELL PAD ACCESS ROAD	2.55
WELL PAD	5.48
FLOWBACK PIT	2.00
FLOWBACK MANIFOLD / TURNAROUND	0.50
COMPLETION PIT ACCESS & TURNAROUND	134
COMPLETION PIT	4.57
COMPLETION PIT SPOIL STOCKPILES	3.49
TOP SOIL STOCKPILE	271
FLOWBACK SPOIL STOCKPILE	2.48
EXCESS SPOIL STOCKPILE	1 55
TIMBER & BRUSH STORAGE	1 32
TOTAL	2A.99
TOTAL WOODED AREA	16.48

GRADINS VOLUMES					
DESCRIPTION	CUT (CY)	SILL (CY)	NET (CY		
WELL-PAD ACCESS WOAD	4,893	3,917	976		
WELL PAD	18,128	24,363	11,965		
COMPITTION FOR	68,447	15,821	12,674		
FLOWBACK PIT	74,680	3,857	11.029		
EDMPLETION PIT ACCESS / WETA	479	17.842	-17,163		
FLOWBACK PIT ACCESS / MANIFOLD	4,559	3.859	7,793		
COMP / WITA STOCKPRE	0	43,220	41,270		
FLOWRACK STOCKPILE	.0	22,585	27,585		
EXCESS MATERIAL STOCKPLE	Q	1,170	#,126		
TOPSOR STOCKPIEE	12,850	0	12.850		
TOTAL	154,236	343,386	12,010		

NOTES

- TOPSOIL GUANTITY FOR THIS SITE IS ESTIMATED AT A LINFORM THICKNESS OF ET OVER THE ENTIRE EXCAVATED AREA ACTUAL QUANTITY MAY VARY
- 2 AREAS RECEIVING JUTE MATTING AND SYNTHETIC MATTING (TRM) ARE TO BE SEEDED, UMED AND FERTILIZED PRICE TO INSTALLATION OF MATERIALS.
- 3 ALL PROPOSED SLOPES TO BE 21 EXCEPT WHERE NOTED

The earthwork quantities provided are an estimate for consideration. The quantities shown may be greater or less than actually excavated. The engineer is not responsible for variances from the estimated quantities and does not certify to their accuracy.

GRADING FACTO	RS
CUT SLOPE	2.1
FILL SLOPE	2:1
CUT SWELL FACTOR	1.05
TOP SOIL SWELL FACTOR	1.20
FILL SHRINK FACTOR	1.00

WELL PAD ELEVATION

1182.00

						Gas
nrv		FLOW	WEACK PIT ST	DRAGE	Ned	00 IO
119.4	CF	CA	BARRELS	GALLDAS	144	AC4
1163	. 0	. 0	0		6.3	-
1164	36.10	9.7	46%	19534	633	13
2365	6246	711	1112	46723	100	- 0
1166	9982	364	1750	7,1922	50527	(3)
3167	35362	559	3650	113970	0 347	23
1168	20112	75.1	3623	15,829.9	G 467	-
1104	27414	\$015	4887	205070	0.639	3
1170	34506	1278	6345	258172	6.792	1
11/1	41758	1621	7793	327333	1005	6
1177	53010	1961	9441	196541	1 717	0
1173	64710	2197	11524	#84067	1.486	0
1174	76410	28(8)	13608	571585	1.754	8 30
1175	90846	1365	16179	679571	2.08%	0.33
1176	105787	REYS	18750	782161	2 417	0.66
WH	123747	#146.	11860	171416	2.818	1.06
31.78	140202	5199	24969	1048780	3 717	1 46
1179	160974	5962	2866/9	1204165	3,695	1.54
1188	181746	6731	37368	1159550	4 172	2.41

niv	1	COMPLETION PIT STORAGE					
	.0	CA	BARRELS	GALLONS	ACIT	AC-FT	
1111	0	0	0	0	0.000	0	
1117	27,88%	2,033	1,966	388,594	0.640	0	
1113	18,000	2,151	20,345	434,512	1 133	0	
111#	90,657	1,358	16,146	678,159	2 081	0	
1115	135,670	4.654	22,381	340,074	2.885	0	
1116	164,197	5,044	23,064	1,220,794	1746	0	
1117	201,310	7,530	16,20#	1,570,659	4 667	0	
1118	246,061	9,114	43,826	1,640,RUK	5 649	0.000	
1119	291,582	10,799	55,929	3,181,176	6.694	1.045	
1120	119,865	12,588	60,312	2,542,508	7.803	2 153	
1171	191,063	14.484	49,646	2,975,3107	9 11/8	9 929	
1122	445,185	16,488	79,285	1,110,204	10.230	4.571	
1179	502,326	18,605	89,461	3,757,647	11532	5.883	
1174	562,557	20,845	100,188	4.208,205	12955	7.265	
1175	625,950	21,183	111,478	4,642,415	18.170	R 775	
1126	6/17,577	25,851	1,73,144	5,180,819	15 819	10.250	
1127	767,510	28,241	135,799	3,703,952	17 505	11.856	
1128	A15,871	30,956	148855	5,752,854	19-149	11433	

CONSTRUCTION NOTE:

CONSTRUCTION OF ALL FILL EMBANKMENTS (INCLUDING STOCKPILES) REQUIRE TOE KEY BENCHES AND SIDEMIL BENCHES (SEE DETAILS 24, 25 & 26)

THIS DOCUMENT PREPARED FOR LUT PRODUCTION COMPANY

EDULE OF QUANTITIES - GRADING
PUL 96
WELL PAD SITE
GLAYA EUROD STREETS
RITCHE COUNTY, WY

ATE	REVISIONS .	Date 1/13/2015
CO.	THE TERMENT	1384 1112012
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		Fee: 1,4(2)



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CONSTRUCTION, GENERAL AND E&S NOTES

CONSTRUCTION SPECIFICATIONS

- FLOW BACK PT, COMPLETION PTT. ROADS, MANERS DYTUBNAIGUND PACE AND WELL PAD SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND THE SCOPE OF WORK AND SHALL CONFORM GENERALLY WITH THE CRADES, BERNES OFFTER AND GRANE MORE SHOWN.
- ? THE CONSTRUCTION DOCUMENTS HERW THE EXISTING AND NEW DRADES AND BERMS, STC. THAT ALL CUT AND PALESTMATES AND REPORT OF THE QUANTITIES ARE DRAY ESTMATES AND MAY DRAWNER EASIED AND ACTUAL FIELD CONSTRUCTION.
- THE GRADE'S BERKS DEPTHE AND DIMENSIONS MAY CHANGE MISED ON ACTUAL FIELD CONDITIONS. THE ENGINEER
 PROSPRIED THE PROFIT TO CHANGE GRADES, BERKIN, DIPTHS AND DIMENSIONS AS NECESSARY TO MEET FIELD CONSTITUNIS.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER ALL REASONABLE FACILITIES AND PROVIDE INFORMATION AND SAMPLES.
 AS REQUIRED BY THE ENGINEER FOR PROVIDE MONITORING AND TISTING OF MATERIAL WORKHAMERS.
- THE CONTRACTOR BUILL HAVE ON BITE AT ALL TIMES WHEN CONSTRUCTION IS W PRODUCES A COMPETENT DIFFERNTENDENT THERCUDAR FAMILIAN WITH THE CONSTRUCTION OF EARTH BERMS AND EMBANDMENTS. THE COMPETEND OF SCALE AND PACKEMENTS OF LINES.
- 39" SET SOCK OR BUTS BLET FERES BANK ARE RETAILED FROM TO CLEARING AND ORDERING AND SHOWN ON THE ORMATICAL MACROCIACIES BANK IN FLOT BLET SUMMARISHED PROCESSES MANUAL CONTESTS & SUMMARISHED AND FROM ALL EXCHANTIONS AND ISSUED FROM THE STATE OF THE STA
- DLEASED AND DIVIDING SHALL RELEASE ALL DRIVEN, THEIR WORTH, STAMPS SPACES, SLOWS ON ANY CITYSES INSTEAD.

 THEN IS NOT TO BE RESIDED ON THE CONSTRUCTOR, DARK STAMPS ANY RESIDENCE THE ANY EXCEPTION OF THE PROMETER.

 CLEANING DEEPER SHALL BE REPORTED ON THE WITHOUT THE LANDOWNERS AND ENCORETS WRITTEN PROMINGED HAVE.
- TOP SCR, SHALL BE STREPPED AND STOCKPRED WITH APPROPRIATE STABLIZATION AND SET FENCE TO PREVENT ENCISION THE TOP SCR, SHALL BE REQUED DURING THE RECEASATION PROCESS OR ON THE FACE OF THE MIPOLINGUEST MUCH PO
- # TOE CUTS OF 19 MIRMAN WICE SHALL BE EXCAVATED ON ALL RECEIVING SLOPES TO PROVIDE A BASE FOR THE MAY THANK TO PROVIDE A BASE FOR THE
- 10 PRICE TO PLACING MAY FILL THE EXPOSED SURGRADE SHALL BE COMPACTED AND PROOF POLICE TO PROXICE A STABLE
- INDUSTRIEMMENT OF THE COMMENT WHICH HAS EXCED OF ALL DIMENTED SHALL BE FACED IN LODGE LETTED OF UP TO CHAND SHALL BE COMMENTED THAT LEADY HAS OF THE LABRANDON MAXIMAD BY DONEST AS DETERMINED BY THE THANGON FRANCION REPORT OF THE THANGON FRANCION REPORT OF THE THANGON FRANCION REPORT OF THE REPOR
- 12 ON-SITE FILE SHALL BE URED TO THE MANISHEM EXTENT POSSIBLE. ANY BROWNING THAL EVAL BE CERTIFIED AT THE CONTRACTOR TORS CLARAGE ALL MANISHESS BUSINESSES OF MATERIALS. IS MANISHED THAT COWNING AND A CACCOM WITH A GOOD END CONTRACTOR OF MATERIAL CONTRA
- 1) IF SPRINGS OF SELPS ARE ENCOUNTERED, SURBHIFACE DIABRACE FEATURES SHALL BE NETALLED PRIOR TO FELP PLACEMENT CONTACT ENCOURSE FOR EVALUATION AND RECOMMENDATION OF CORRECTIVE MEASURES.
- 10 DE PAL TOE FOR ALL PAL EMBANEMENTS, RICCUONES SPOAL PADS, SHALL BE SENCHED OH REYED INTO THE ARTHANA, SOL, ALL PALL TORS SHALL BE SUPPORTED BY COMPETENT BEOMOOK OR DOL MATERIAL SOCIALS SHOWES SHALL BE COMPRISEDED AN THE FILE INTERPRESISSE UP SO LOFF.
- 18 FILL PLACED AGAINST EXISTING BLOPES SHALL BE BEINCHED INTO THE EXISTING MATERIAL DURING FILL PLACEMENT TO BEDLICE THE POTENTIAL FOR DEVIS COMMITTIES A INCOOMINGTERFACE BETWEEN THE FILL AND EDISTING IN CITY.
- THE ANY DOPT AREAS THALL BE OVER EXCAVATED TO A FIRM MATERIAL AND BACKFILLED WITH A WELL COMHACTED
- I. FILL RECAIRED TO DETAIN SESSIN SPACES SHALL BE PLACED AS CONTROLLED COMPACTED FILL THE FILL SHALL BE FIRE OF THARP, WOOD, TOPICE, CHOMMOS, COAL, COA, MINE REVOSE, FRICES HATERIAL AND RECES OF RICCE SHILL THAN IT IN ANY DEHISTOR.
- IS DURING THACEMENT OF MATERIAL MOSETIN OR ADMITS EACH LAYER OF FILL AS HELESSAMY, TO ORDING THE MISLIMBID COMMITTED THE LAYER OF THE METAL WHILE COMMITTED THE LAYER OF THE METAL WHITE COMMITTED THE METAL WHITE STATEMENT AND ADMITS ADMITS AND ADMITS AND ADMITS ADMITS AND ADMITS ADMITS AND ADMITS AND ADMITS AND ADMITS ADMITS ADMITS ADMITS AND ADMITS AND ADMITS AND ADMITS AND ADMITS AND ADMITS ADMITS AND ADMITS ADMITS AND ADMITS ADMITS AND ADMITS AD
- IS DOE MATERIAL WHICH IS REMOVED BECAUSE IT IS TOO WET TO PURSET PROPER COMPACTION MAY BE SPREAD AND ALLOWED TO DRY. OR PHYSIC CAN BE FACULTATED BY DESCRIPE OF HAMPERIAND UNIT, THE MOSTURE CONTINUES INDICATED IT AN ACCOUNTABLE LEVYEL, WHICH THE DOE IS TOO GET, NATHER HAY BE USED GRAWN APPRISED TO THE LAHRED TO BE COMPACTED.
- 25. THE FAL CUITS OPER SHALL BY OVERBURIT AND TRANSPORTANT DISERSON COMPOURATIONS TO VERBY PROPER COMPACTION.
- 21 GRANULAR MATERIALS SUCH AS AND FINE BY STOME SHALL BE COMPACTED TO MIN OF ITS RELATIVE DEHISTY, AS DETERMINED BY ATTM DIRECT AND DIRECT METHODS
- 23 DRILL PAD SUBGRACE SHOULD ME LINED WITH US TOWATES HPG 37 FABRIC OR EQUAL, PRICH TO PLACEMENT OF ACCREGATE
- 23 ACCESS TO ALL SITE AND CONSTRUCTION ACTIVITY SHALL BE GIVEN TO SPECIFICIDIDALITY CONTINUE AND CONSTRUCTION MONITORING PERSONNEL DURING PROJECT CONSTRUCTION BOLIONS AS RESPICTIVE PRINCIPANEL, MED CONSTRUCTION HALL SPECIFIC REQUILITIONS AND COMPRISED FERSONAL PROJECTIONS EQUIPMENT (1975).
- 34 PRIOR TO ASPELLT DESTRICATION, THE ENGINEER OF RECORD SHALL BE PROVIDED WITH COPIES OF ALL CONSTRUCTION DOCUMENTATION INCLUSED BUT NOT LIMITED TO SHALLY DOWNER, PERSONNEL DAY FIRE RECORD SHERT, PROJECT CONSTRUCTION PROTOSS, COLVINOR, IL RECORDS, CONSTRUCTION TO SHALL SHOPPING THE PRIOR SHOPPING FOR RECORD THE TOTAL COLVINOR AND ADMINISTRATION AND RESTRICT, AND REPORTS OF NOTION, A COPY OF THE ADMINISTRATION OF ADMINISTRATION OF THE PROPERTY OF THE PROP

ALL WORD WASTE WHALL THE LISTED AS A SECUMENT BARRIER (SEE DETAL 2 - SHEET 16), CHEPPED, LEGALLY HALLED OFF, OR LEGALLY BURNED ON SITE AS DRIECTED BY EQT REPRESENTATIVE

- ANY DISCRIPTION BY FORM IN THE LEMANUES AND SPECIAL YOR. AND LET CONSTRUCT ON THE PROPERTY OF THE PROPERTY OF
- WORK ON THE PROJECT SHALL CONFORM TO THE LATEST EDITIONS OF THE WEST VINDING PRACTISENT OF ENVIRONMENTAL PROTECTION REGISTER AND REDIRECT CONTINUE BEST MANAGEMENT PRACTICE HARRISON, IN THE EVENT OF CONFACT SETTINGS THE DESIGNAL PROFESSIONED OR PLANS. THE SECURIT STREAMS WAS GOVERN.
- 1 ERODON AND SESSION CONTROL MEASURES SHALL BE MAINTAND DALY, RELOCATED WITH INCCESSANY AND SHALL SC ONCORD AFTER FUTUR NAME ALL SECTION AREAS SHALL BE CHECKED MEDICAL FOR DAVIL BE INSTRUCT. FIRTH LITED REFERENCE AND END OF AN INCESSANT TO DISTAN A CORNER STAND OF GASILIA.
- ALDRAN NUTS SHALL BE PROTECTED FROM IN TATCH. HOPECTIVE PROTECTION DONCES SHALL BE REPLACED AND THE PALE CLEANED. PLINING IS NOT AN ACCEPTANCE WIGHS OF CLEANING.
- 5 THE CONTRACTOR IS RESPONSING FOR LOCATION ALL POINC OF PROVIDE ULLITES INNOVER IN OR ADACTIVE TO THE CONTRACTOR SITE, THE CONTRACTOR SHALL BE RESPONSING FOR THE REPARK AT HIS OR HIS COTTINGED OF ALL EXISTRACIO UNITED SHALLED CONTRACTOR HIS PROTY BESTET HOURS TO NOT EXCITACY OF THE CONTRACTOR SHALL CALL MISS UTLITY AT 1810 MS-7817.
- A INSTALLATION OF CONCRETA, COMMISSATISTIMITAL, ON HOPE STORM PIPE SHALL BE IN CONFORMANCE WITH THESE
- ALL MATERIALS LIED FOR FEL DRIMARX FEL SHALL BE PRES DE ACCID, ROCKS, BOLZDERS DRIAMY OTHER MON-COMPACTIALS DOES TYPE ANTHRINES, ARBITRINACTIONY MATERIALS ALSO INCLUDE MAN MADE FELS AND REFUSE CERTIS CHEMICALD FROM ANY BOUNCE.
- 8. MATERIA'S USED TO FILL AROUND DRAMADE STRUCTURES IN UTBUTY TRENCHES OR ANY OTHER DEFINED. MATERIAL USED OF THE ANIMAL STRUCTURES IN UTILITY TREATERS OF ANY OTHER DETERMINATION OF THE PROPERTY OF THE ANIMAL OF THE ANIMA
- IF FILL SHALL BE PLACED IN LETS AT A MAXIMUM LIFEOMPACTED DEPTH OF 12 MOVES WITH SIGL FREE FROM AGGINIDATES EXCEDING IF HOOK FILE SHALL BE HAZED IN LETS AT A MAXIMUM COMPACTED DEPTH OF 30° AND WITH A MAXIMUM HOOK SIZE HOUT TO EXCEED IN MAY EMBORISH.
- 43 ALI TEST RESISTS BHALL BE INMATTEST TO THE ENGINERA TAILURE TO CONDUCT DENSITY TESTS SHALL BE CAUSE FOR MONACCEPTANCE OF THE TAILUTY TESTS SHALL BE CONDUCTED AT THE SOLE COST OF THE CONDUCTION OF HIS
- 17 A PRIS CONSTRUCTION DOWNSHAMLS SHALL BE HELD PRICE TO THE START OF CONSTRUCTION
- 13 CONTRACTOR SHALL SUBMIT AND ACHERIE TO A GENERAL SHOUNDWATER PRIOTECTION PLAN EROSION CONTROL NOTES
- 1 THE CONTRACTOR SIMAL ARRANGE FOR A PINE CONSTRUCTION CONFERENCE WITH THE APPROPRIATE EXCELON AND SECREMENT CONTROL INSPECTION AS HEARING INFOR TO RECOVERING WORK.
- AL ERGISION CONTREX, DEVICTS AS IN KINN ON AS RECUIRED, ARE TO BE CONSTRUCTED TO THE CURRENT STANDARDS AND SECURIZATIONS OF THE WEST VINIBRA ERROSION AND SECURITION, BOSH MANAGEMENT PRACTICE MANIA AND ARE TO BE INFACE PROPERTY OF ALL CONSTRUCTION.
- ERODON AND SCORENT CONTROL MEASURES SHALL SE MANIFARED CONTINUOUSLY, RELOCATED WHEN AMELIAS NECESSARY AND SHALL SE CHICAGO ATTHE FURTH FAMERAL. SECRED AREAS SHALL BE CHICAGO ATTHE FURTH FAMERAL. SECRED AREAS SHALL BE CHICAGO ATTHE FORMAT HAD SHALL SEE MATERIAL POTRILLERS. BUT STATEMED AND MEASURED AND MEASURED FOR SHALL BE CONTINUOUSLY OF SHALL S
- ALL DETURBED AREAS NOT HAVED OR BUILT UNDWARE TO BE FERTLICED AND HYDRIO SECRED WITH ETRAW AND COTTON
 PROCEDED WITH TACK ADDRESS BY THE CONTRACTOR IN ACCORDANCE WITH THE DURINGHY WAST WINGROW ENGINEEN HID PRODUCT WITH TADK ADDN'TS BY THE CONTRACTOR IN ACCOUNTS DAILY CONTROL BEST MANAGEMENT PRACTICE MANAGEMENT.
- ALL DRAW METS SHALL BE PROTECTED FROM SETATION INSPECTING PROTECTION DEVICES SHALL BE MANEDIATED AND THE REST IN EARLY TELEPHAND IN NOT AN ACCEPTANCE METHOD OF CLEANING
- E. PERMANENT ON TEMPORARY SON, STANS MAY SENT USE A PRINCIPLE TO DESCRIPZ AREAS WITHIN SOVIE CAYS AT THE FRANCISCO OF MAKES AND OR ANY PROTECTION OF THE STEET STANDARD TO DIS STANDARD TO DISK SE ANY SE WITHIN SEVEN DUSTS TO DESCRIPZ AREAS TO ANY SET WITHIN SEVEN DUSTS TO DESCRIPZ AREAS TO ANY SET WITHIN SEVEN DUSTS OF DESCRIPZ AREAS TO ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AREAS TO ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS OF THE PROPERTY AND ANY SET WITHIN SEVEN DUSTS.
- 1 DURING CONSTRUCTION OF THE PHOLISHT, SIDE STOCKINGS SHALL BE STARRELIZED ON PRIOTECTED WITH SECURINI TRAPPING MEASURES.
- SEDMENT BASINS AND TRAYS, PRINCETOR ENESS, SEDMENT BARREISS AND OTHER MEASURES INTENDED TO TRAY
 SEDMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FLACTIONAL
 BEFORE UPSIGNET LAND DEVIGIANCE THAN SE PLACE.
- STABLIZATION MEASURES SHALL HE APPLIED TO EARTHEN STRUCTURES SLICH AS IMPOLIMENTED DIRECTORS AND DAY MISCHES MANIFED AS THE ASTALLATION
- 16. ALL TREPORTAY ESTABLES AND SIGNATURE CONTROL MEASURES SANL BE DESCRIBED WITHOUT SOLVE THE FIRM AND STANDARD OF A PERFORMANCE AND A STANDARD AND A PERFORMANCE AND A STANDARD AND A PERFORMANCE THAT AND A STANDARD AND THE DESCRIPTION OF A STANDARD AND THE DESCRIPTION OF TEMPORARD AND A STANDARD AND A
- 11 ALL DISTURBED AREAS NOT FAVED OR BUILT UPON SHALL BE HYDRO-SECTED AND FISHTNESS. PURPOWN PENAMINENT SCENES, SECTIONS AND FESTILLERS AS SICUN ATTER FINISH GRADING AS PICESSIE. SECTION 3944. COMPLY WITH THE FOLLOWING LIMITED STREET HES BUILD FROM THE SECTION STREET WITH THE
 - A. TOPSCH. I INCH MINNAM FOR PERMANENT YOR
 - 8. FENTALZER 600 POLACE POX ACRES OF 10-29 JE FENTALZER OR EQUIVALENT FOLHERIES OF INFERENT
 - C. LINE PERMANENT RESONAL MUNICIATURAL LINE SHEAD AT RATE OF A TONSHORE MOIN INTO BOX, PRICE TO
 - 23 MACH-HOOD FEED ON CHESTED STOWN AT HATE OF 2 TONG PERSACRE, HODIO MACHATINES OF 30 MACE
 - E. SEED 45 LIBEL PER ACRE TALL PERCUE AND SPLIES, MER ACRE PERENNAL RISE GRASS. (IS NOT SERVED BY

- DETCAL ENGINE APPEA COMING MENTIONICE, ALL 21 ILDRES AND STILTRE OPPOSES AND DESCRIPTION SHALL SE CONDICERED DETCAL REGION MENTION THE AREA SHALL OF MONTROLD IN SHALLOW THE ADDITIONAL AND ALL ALL SHALLOW THE ADDITIONAL REGION CONTROL MENTIONED THE ADDITIONAL DESCRIPTION OF THE ADDITIONAL TO REGIONAL THE MACRASHI OF ADDITIONAL REGIONS CONTROL MEASURES IN THE ADDITIONAL OF ADDITIONAL OF THE ADDITIONAL OF
- ESOCRA AG SEMENT CONTROL MANUELS UNLES STRETMERS ROCKETE AL VICETATE AD STRATTED STRATTED AND METHAD TO WHAT A STRATTED STRATES AND METHAD TO WHAT AND METHAD TO WHAT
- STRETURA, FRATELS

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 OF SAT SUCKES

- ▼ CULVERTINET AND DUTLET PROTECTION SHALL RECONSTRUCTED AMEGIATELY LIPON PLACEMENT OF INLETE AND CULVERTS. INSTALLATION OF MATTING AND OR REP. TO OCCUR ONCE OFFICE A ARE CONSTRUCTED.
- U MENTINA DIAGE ILACHIVITA I DICICA TO BIL PLACIO DIA ILA DISTORDI DICA SI CITATE IL PITTO DELL'A LI DICIPARRE NICALA SI ILICORRE IL NEL BANCE I SECULDO E TARRINANO ILITITO TO DITERNAMI RICICARCENTI ANTE PIATO DICILI DICINI DI REPUBBLICA DI CALIDINE DELL'A RAPPADO ASI ANNAMIA LIGIE AT ARRICO E I CINTERIO PIATO DICINI DI RAPPATO DICINI OI CALIDINE PARACIO. DICINI NEL BESTE PARA DICINI PALI PETRO PARA DI LI
- A FINAL SEEDING MART GODAR WITHIN EDAYS OF FINAL GRAZING
- WHEN SITE IS STABLUSED, ALL EPICEICH AND SEDMENT DONTRES, MEASURES DANSE REMOVED AND REPAYS STABLUS. THESE AREAS IN ACCOMMON WITH STATE STABLANCY.
- K. MINE MODESCATIONS FOR PERMANENT STYRIN WATER MANAGEMENT
- L. FINAL SITE BOSTECTEN
- PERMANENT STANLIZATION: ALL ANGAS LEFT LINCOVERED BY EITHER BUILDINGS OF PRIVILENT SHALL SE STABLIZED WITH PERMANENT SEEDING BANCENTELLY FOLLOWING FRAINF GRADING AND WITHIN TOXYS. AT NO TIME SHALL LANG LAF DORMANT FOR LONGER THUM ST DAYS SEE SELECTACE OF LEVENTS FOR RANGE.
- ECHINARY FOR LOWER THAN SET SELECTED FOR CYCLET FOR ALTS

 MANTENING, OR OTHER CORRESTANCE AND SET SELECTED ALTS RECIPION AND BESAMEN CONTINUE
 MANDEN WILL BE OWNED DAY, AND SETTING FOR THE PROTECTED ALTS RECIPION AND BESAMEN CONTINUE
 MANDEN WILL BE OWNED DAY, AND SETTING FOR THE PROTECTED ALTS

 MANDEN THE SECTION AND SETTING FOR THE PROTECTED ALTS

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SION AND SEQUENT CONTROL HARMSTON

MISSELL CONCEPTION, THE FRANCISIO OF THIS PROJECT IS TO DRIVE AND PRIVAL ENDOOR THE CONTROL TO CONTROL

WHEN A THE CONTROL THE FRANCISION OF THE PROJECT IS TO CONTROL THE CONTROL AND INCIDENTAL WAY THE THAT SET THE CONTROL AND INCIDENTAL WAY THE THAT SET THE CONTROL AND INCIDENTAL WAY THE THAT SET THE CONTROL THE CONTROL AND INCIDENTAL WAY THE THAT SET THE CONTROL THE CONTROL AND INCIDENTAL WAY THE THAT SET THE CONTROL THE CONTROL THE CONTROL AND INCIDENTAL WAY THE THAT SET THE CONTROL THE CONTROL AND INCIDENTAL WAY THE THAT SET THE CONTROL THE CONTROL AND INCIDENTAL WAY THE THAT SET THE CONTROL THE

DISTURBANCE ASSOCIATION THE EXISTING STE IS UPLAND HAD WOODS WITH DENTED HAD TRATES OF STE. OR WAS STREET AS A STREET OF STEEL ON WAS STREET AS A STREET OF STEEL OR WAS STREET AS A STREET OF STREET AS A STREET AS A STREET OF STREET AS A STREET AS A STREET OF STREET AS A STREET AS A STREET OF STREET AS A STREET AS

ADJACENT PROPERTY, THE SITE IS BONDING DONAL BOES BY CHAND HARDWOOD SCHOOL HOLD SUBSEINFACE HAYSTIGATIONS WERE PERFORMED FOR PRINCIPAL

DAT REAL WOODS LIKE BOAT AN WORKSHOWN WITH COLLEGE OR LIKE HACHORED GOOD OF STREET, COMPANY

VIGITATINE PRACTICE TERROR PRIL TORSE WAS DECONSTRUCTED AS DECIMINATE OF STAND WAS DECIMINED AND APPLICATION OF THE TERROR PRIL TERROR PRI

NAMES BET STAFFERS. CONTRIBUTION AND RECOGNISHED OF THE OWNERS OFFERS ON A RECOGNISH OF THE STAFFER OF THE STAF

- IT SECLENCE OF EVENTS
- 6. A PRE-CONSTRUCTION CONFIDENCE WILL BY HELD ON SITE WITH CONTRACTOR TO REVEW YAR CONSTRUCTION SHARRINGS AND PROVIDE ANY REQUESTED DUBBACE!
- B. CONTRACT THE CONTRACTION ENTRACE
- C. CONSTRUCT ALL PROPOSED DEGMENT CONTROL DEVICES AS SOON AS CLEARING AND GROUNDING OPERATIONS ALLOW CHARGOS AND SEGMENT BASING THALL BY MICROSON AND MACROSON AND SEGMENT BASING THALL BY MICROSON AND MACROSON AND MICROSON AND SEGMENT BASING THALL BY MICROSON AND MACROSON AND MICROSON AND SEGMENT BASING THALL BY MICROSON AND MACROSON AND SEGMENT BASING THALL BY MICROSON AND SEGMENT BY MICROSON AN
- C. CLEAR AND GREE REMOVE TO FICE AND PLACE AT AN AREA DETERMINED BY THE FIELD WHORE EXCISION WILL NOT TAKE PLACE. TO PROVE STOCKHEE TO BE SEEDED AND MACHINED. SELT FEMCE SHALL BE CONSTRUCTED AROUND TO PROVE STOCKHEE.
- E. DRADING OPERATIONS AS REQUIRED. OUT SLOTES AND FALSE ROPES SHALL BE TO SCRED AS REDED DITCH LINES BRALL BE CLEARED, ALL DITCHES WAS INVESTIGATED FOR PROTECTIONED GRAZER BASED ON DITCH SLOTE WITH THE FOLLDWING DETERMINENCE & FOR YOUR DRAWNED, THE MATTERS AT THE WASTERS THAT THE WASTER BASED ON TO USE WITH

DATE	REVISIONS	Dez: 1/13/2015
413/15	WYDEP REVIEW COMMENT	
		Designed By TDC
		Farm on all the
		Pop 4 of III



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legheny Surveys Inc. P.O. Box 438 337 Birch River Road irch River, WV 26610 304-649-8606 237 Sirch

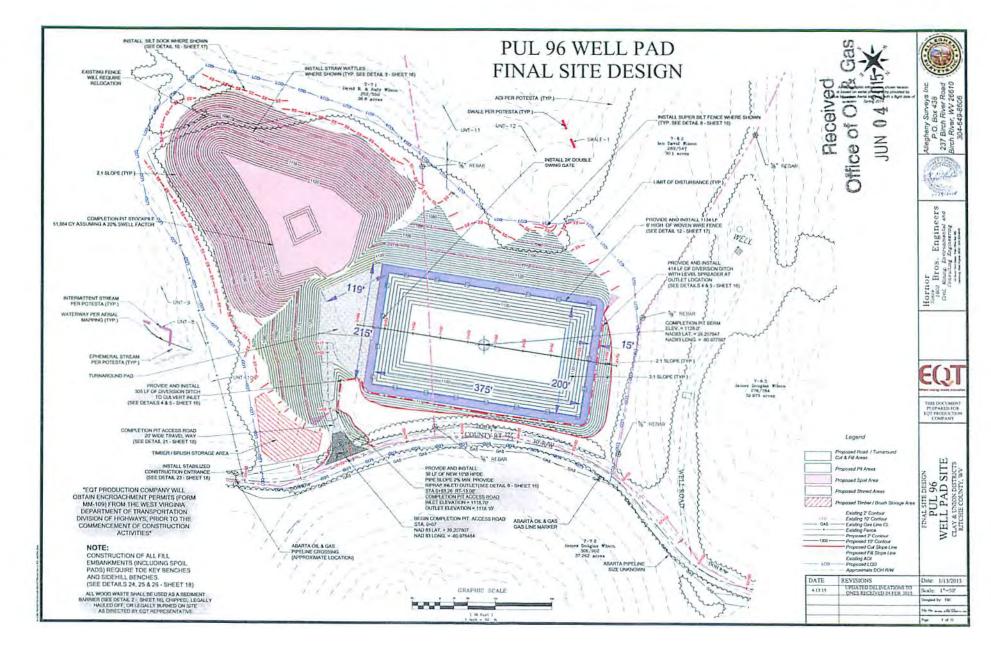


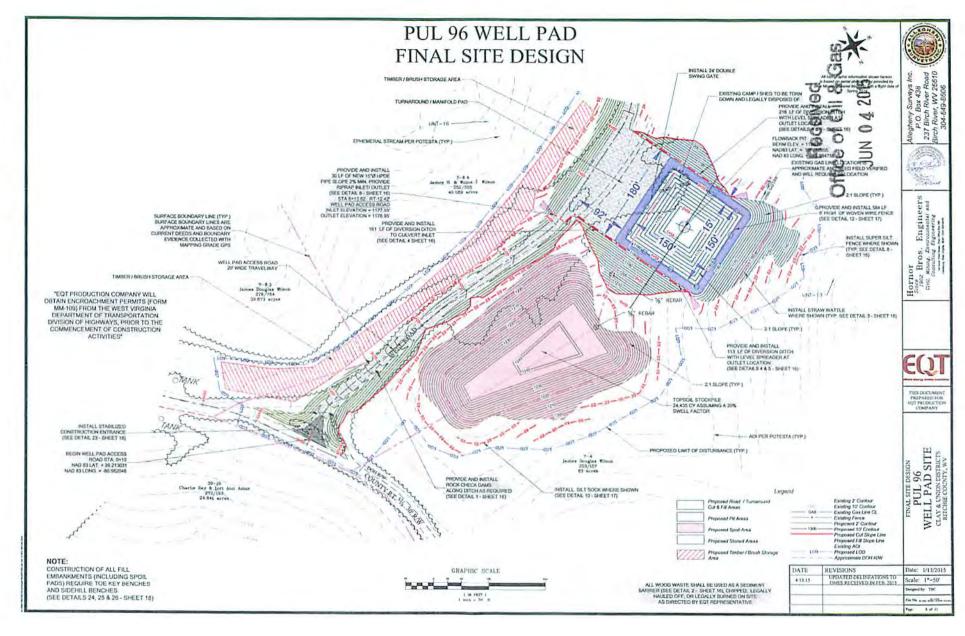
Engine Hornor Spec Br Grd. Mann Central



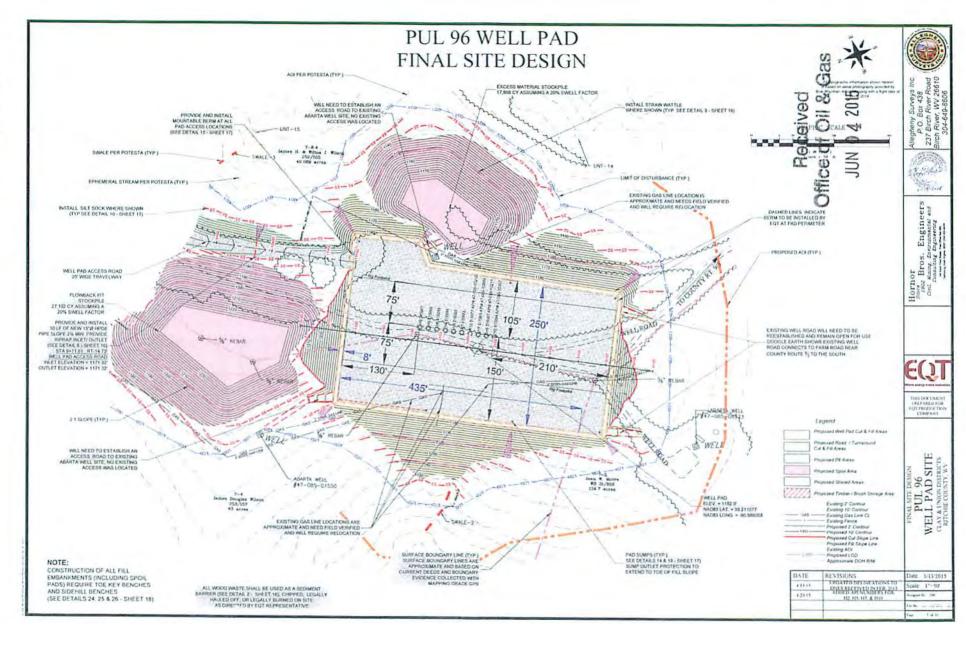
COMPANY

SITE UL 96
UL 96
PAD S WELL I











FLOODPLAIN	COND	ITIONS	;
DO SITE CONSTRUCTON ACTIVITIES	TAKE PLACE IN FI	LDOOPLAIN	NO
PERMIT NEEDED FROM COUNTY FLO	ODDPLAIN COORD	NATOR	140
HECAAS STLDY COMPLETED			164
PLDODPLAN SHOWN ON DRAWINGS		544	
FIRM WAP NUMBER(II) FOR SITE	\$4103G0145G		
ACREAGES OF CONSTRUCTION IN F	LOODPLAIN	NA.	

NO WETLANDS OR STREAMS ARE IMPACTED

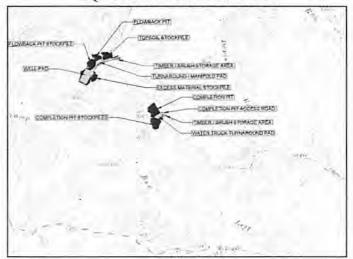
PROPOSED WELL LEGEND

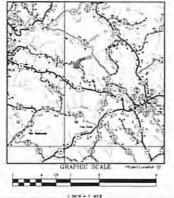
H9 515967 - LAT: 39.211306 / LONG:-80.985804 H8 515966 - LAT: 39.211269 / LONG:-80.985829 H6 515888 - LAT: 39.211233 / LONG:-80.985853 H4 515886 - LAT: 39.211196 / LONG:-80.985878 H3 515885 - LAT: 39.211160 / LONG:-80.985902 H1 515883 - LAT: 39.211123 / LONG:-80.985927 H10 515977 - LAT: 39.211087 / LONG:-80.985951 H7 515968 - LAT: 39.211050 / LONG:-80.985976 H5 515887 - LAT: 39.211014 / LONG:-80.986000 H2 515884 - LAT: 39.210977 / LONG:-80.986025

MISS Utility of West Virginia 1-800-245-4848 West Virginia State Law (Section XIV: Chapter 24-C) Requires that you call two business days before you dig in the state of West Virginia. IT'S THE LAW!!



PUL 96 FINAL SITE DESIGN, CONSTRUCTION PLANS, & **EROSION & SEDIMENT CONTROL PLANS** EQT PRODUCTION COMPANY





EQT Chris Metiger - EQT Production Company 304848-0073 Off

Buly Miller - Landman II-Drilling EQT Production Company 304-617-0367 Minble 304-848-0039 Office Surveyor & Engineer

Ben Singleton - PS - Allegheny Surveys Inc. 304-649-8606 Off.

Thumas D. Corathers - PE - PS- Hornor Brothers Engineers 304-524-6445 Office

Design Certification

The distings, construction runs, and reference clayerus after fine hereit have been prepared in accordance with the West Prices of State Rues; accordance with the West Prices Code of State Rues; Distains of Environmental Protection, Office of Col and Gas §155-421. Distains of Environmental Protection, Office of Col and Gas §155-421. Distains of Environmental Protection, Office of Col and Gas §155-421. Distains of Environmental Protection of State Price of Prices Information and Prices and P



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JAMES AN A. STREET, A. STREET, S. S

APPROVED

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FINAL DESIGN PLANS
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P.O. I P.O. I 7 Birch 21 River



Engine



HIRLSCALING PREPARED FOR

COMPANY.

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