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

April 09, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-1706606, 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: 514674
Farm Name: BARNES, DONALD & RONALD C
API Well Number: 47-1706606
Permit Type: Horizontal 6A Well
Date Issued: 04/09/2015

Promoting a healthy environment.

API Number: 4701706606

PERMIT CONDITIONS

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

CONDITIONS

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.

2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.

3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.

4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.

5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations,* 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.

6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.

7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.

8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

west virginia department of environmental protection

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

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

ORDER
ISSUED UNDER
WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6A

TO: EQT Production Company
115 Professional Place
Bridgeport, WV 26330

DATE: April 8, 2015
ORDER NO.: 2015-W-4

INTRODUCTION

This Order (hereinafter "Order") is issued by the Office of Oil and Gas (hereinafter "OOG"), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 *et seq*. to EQT Production Company (hereinafter "EQT" or "Operator"), collectively the "Parties."

FINDINGS OF THE CHIEF

In support of this Order, the Chief hereby finds the following:

1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 *et seq*., and the rules and regulations promulgated thereunder.

2. EQT is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as 115 Professional Place, Bridgeport, WV 26330.

3. On September 2, 2014, EQT submitted applications for gas wells identified as API#'s 17-06604, 17-06605 and 17-06606, located on the SMI31 Pad in the New Milton District of Doddridge County, West Virginia.

4. On September 2, 2014, EQT requested a waiver for Perennial Stream #1, outlined in Exhibit 1 from well location restriction requirements in W. Va. Code §22-6A-12(b) for gas well permit applications identified as 17-06604, 17-06605 and 17-06606, located on the SMI31 Pad in the New Milton District of Doddridge County, West Virginia

CONCLUSIONS OF LAW

1. West Virginia Code §22-1-6(d) requires, in part, that "[i]n addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing."

2. West Virginia Code §22-6A-2(a)(6) requires, in part, that "Concomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter."

3. West Virginia Code §22-6A-12(b) requires, in part, that "[n]o well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the Office of Oil and Gas shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The Office of Oil and Gas 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."

ORDER

Therefore, the Office of Oil and Gas grants EQT Production Company a waiver for Perennial Stream #1 from well location restriction requirements in W. Va. Code §22-6A-12(b) for gas well permit applications identified as API #'s 17-06604, 17-06605 and 17-06606, located on the SMI31 Pad in New Milton District of Doddridge County, West Virginia. The Office of Oil and Gas hereby **ORDERS** that EQT Production Company shall meet the following site construction and operational requirements for the SMI31 well pad:

a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least two feet (2') in height;
b. Filter/silt socks and erosion control blankets shall be installed on all slopes and down gradient locations of the pad and topsoil pile areas as erosion and sediment controlling BMPs;
c. Perennial Stream #1 shall have a triple compost filter sock stack installed adjacent to the stream;
d. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
e. Drill cuttings and associated drilling mud shall be disposed of in a permitted landfill;
f. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;
g. Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
h. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
i. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½") rain within any twenty-four (24) hour period;
j. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
k. All records from inspections shall be maintained on site for the life of the project and be available upon request.

Thus ORDERED, the 8th day of April, 2015.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

By: _____
JAMES A. MARTIN, CHIEF

Wetland Waiver Request

API Number 47-01706604, 06605, 06606 Well Number 514668, 514670, 514674

Operator EQT Production Company Pad Name SMI-31 Well Pad

Submit a conclusive demonstration to justify the proposed activity by addressing the following:

1. **Demonstrate that there is not a practical alternative to impact the Waters of the U.S. by including other alternatives that were considered but eliminated.**
    a. Include a No-Action Alternative as to show "the future without the project
    b. Location Alternatives must be shown
    c. Must demonstrate why a 100' buffer cannot be maintained

a. A future without this project would result in this landowner not being able to extract the deep oil and gas resources on his/her land; and a lack of reserves reaching the public market. As discussed in the sections below, the existing infrastructure and topography of the surrounding land is such that there are few viable locations to place a pad of a size required to safely extract deep resources.

b. Several locations for the proposed well pad were investigated by a team of qualified biologists and engineers. The proposed location was chosen due to several factors: the site would be easily accessible from nearby existing roads; the topography was not prohibitive to construction equipment; tree clearing would be limited as 60% of the site consists of open fields; the extent of aquatic resources located on the site were isolated; and the site did not have many landowner constraints. As shown on the attached alternatives sketch, relocating the proposed facilities to provide a greater buffer for stream #1 (Douglascamp Run) would result in additional impacts to stream #2, additional tree clearing, and additional impacts to the existing natural gas infrastructure.

c. The proposed site location minimizes the overall impacts associated with the development. Shifting the site to provide a greater buffer from Douglascamp Run would result in additional stream impacts and a substantial increase in earth disturbance and tree clearing due to the steep slopes. The limits of work have been reduced as much as possible to minimize impacts to streams or wetlands. Please refer to the accompanied Proposed Layout and Alternative Sketch Plans.

2. **Show that treatment facilities (Erosion and Sediment Control Features) will be located as close as practical to the source(s) with which it is associated.**

Compost filter sock shall be installed downslope of all earth disturbance. The filter sock will be installed along level grade approximately 10' from the toe of slope to allow clearance for maintenance and clean out. For the instream work, check dam rock filters will be installed as close to the disturbance as possible maintaining space for maintenance and clean out. Riprap outlet protection will be installed directly after each culvert outlet. Level spreaders will be installed immediately downstream of the outlet protection or channel outfall. The proposed site shall be stabilized as soon as possible after grading activities have ceased. Seed and mulch will be applied to all disturbed areas not otherwise stabilized. Seeding will be applied immediately upon reaching final grade, or upon temporary cessation of earth disturbance activity that will last longer than 21 days, to reduce soil runoff. Revegetation of the site will be provided in accordance with the WV E&SC Field Manual and the Site Construction, Reclamation, and Erosion & Sediment Control Plans. Reclamation of the pit shall occur as soon as possible after the final well is completed as shown on the Reclamation Plan.

Please refer to the accompanied Site Construction, Reclamation, and Erosion & Sediment Control Plans.

3. **Demonstrate that all proposed activity will not impact Waters of the U.S. more than is necessary to accommodate the proper construction and operation of the facility.**

    a. Specify and identify wetlands using unique identification and/or perennial streams located within 100' of the pad's limit of disturbance (including erosion and sediment controls).
    b. Is the proposed project the least environmentally damaging practicable alternative to the waters of the United States, so long as the alternative does not have other environmental consequences

a. Please refer to the Site Construction, Reclamation, and Erosion & Sediment Control Plans. One wetland and two streams have been identified within 100' of the pad's limit of disturbance. Wetland #4 is a palustrine emergent wetland and is impacted as part of the project. Stream #2 is an ephemeral channel that loses definition prior to leaving the forest and continues as overland flow to Douglascamp Run. Stream #1 (Douglascamp Run) has been identified as a perennial stream. Encroachment within 100' of Douglascamp Run occurs near the pad in order to avoid existing pipeline infrastructure, additional tree clearing, and further impact to stream #2. Several other streams and wetlands are located adjacent to but outside the limits of disturbance for the access drive.

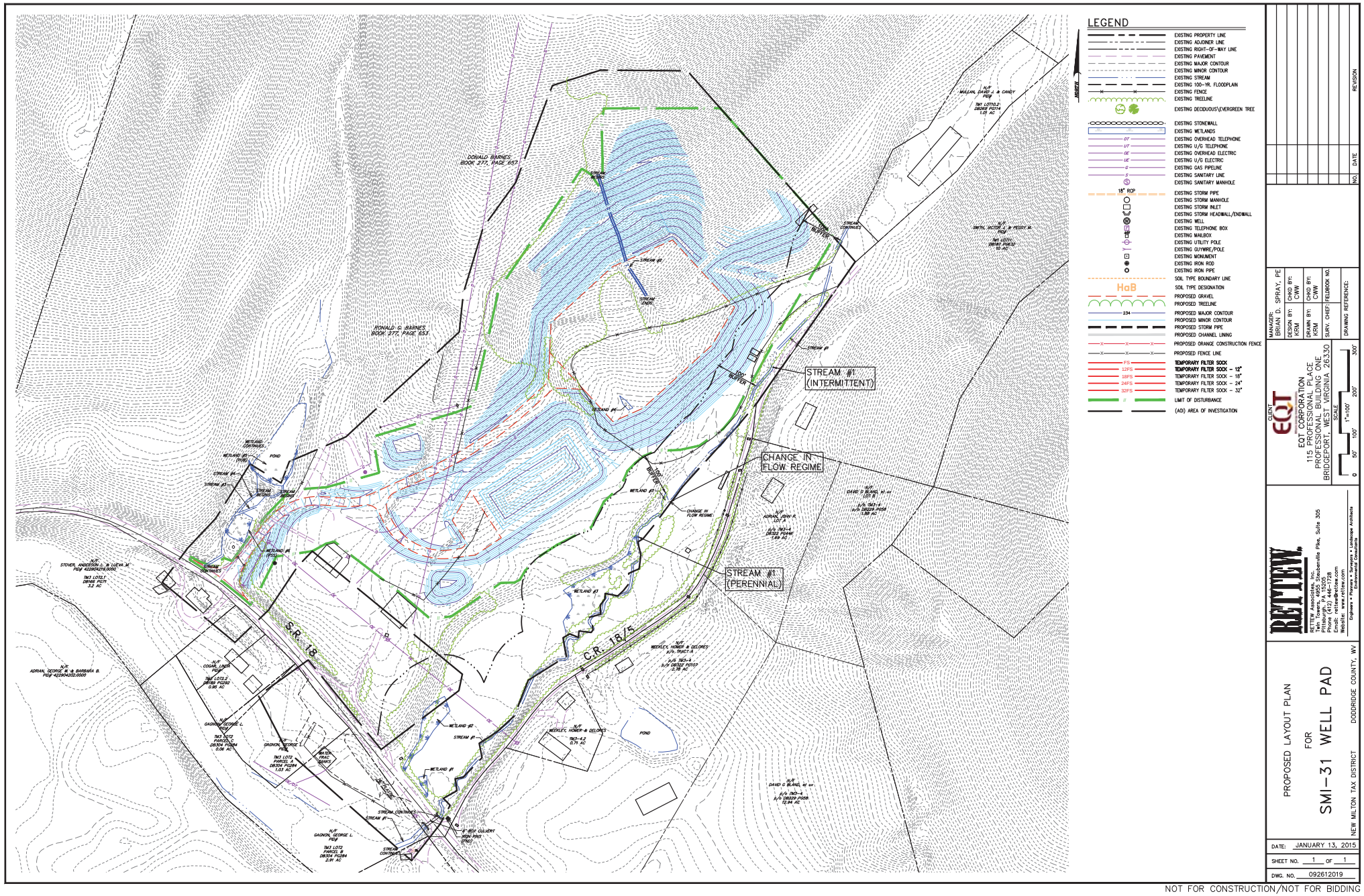
b. The pad size has been reduced as much as possible leaving enough space for safe drilling operations. Due to its location, impacting the 0.01 acre wetland #4 is unavoidable without significant impacts to the existing infrastructure and additional stream impacts and forest clearing. The proposed site is not directly impacting Douglascamp Run. Shifting the pad to provide a greater buffer would result in additional impact to stream #2, force natural gas infrastructure relocation, and require additional tree clearing. In order to reduce stream impacts, the limits of disturbance are encroaching within 100' of the Douglascamp Run but only the section near the pad. The existing forested riparian buffer along Douglascamp Run is to be avoided and a full 100' buffer is to be maintained for the section near the pit. The current location requires a total of 286 LF of stream disturbance. Shifting the pad to provide a larger buffer would add 28 LF additional stream impacts.

4. **Provide mapping, plans, specifications and design analysis for the preferred alternative to the project.**

    a. Specify in writing what additional controls, measures, devices, monitoring, etc will be utilized to protect these wetlands and/or perennial streams.

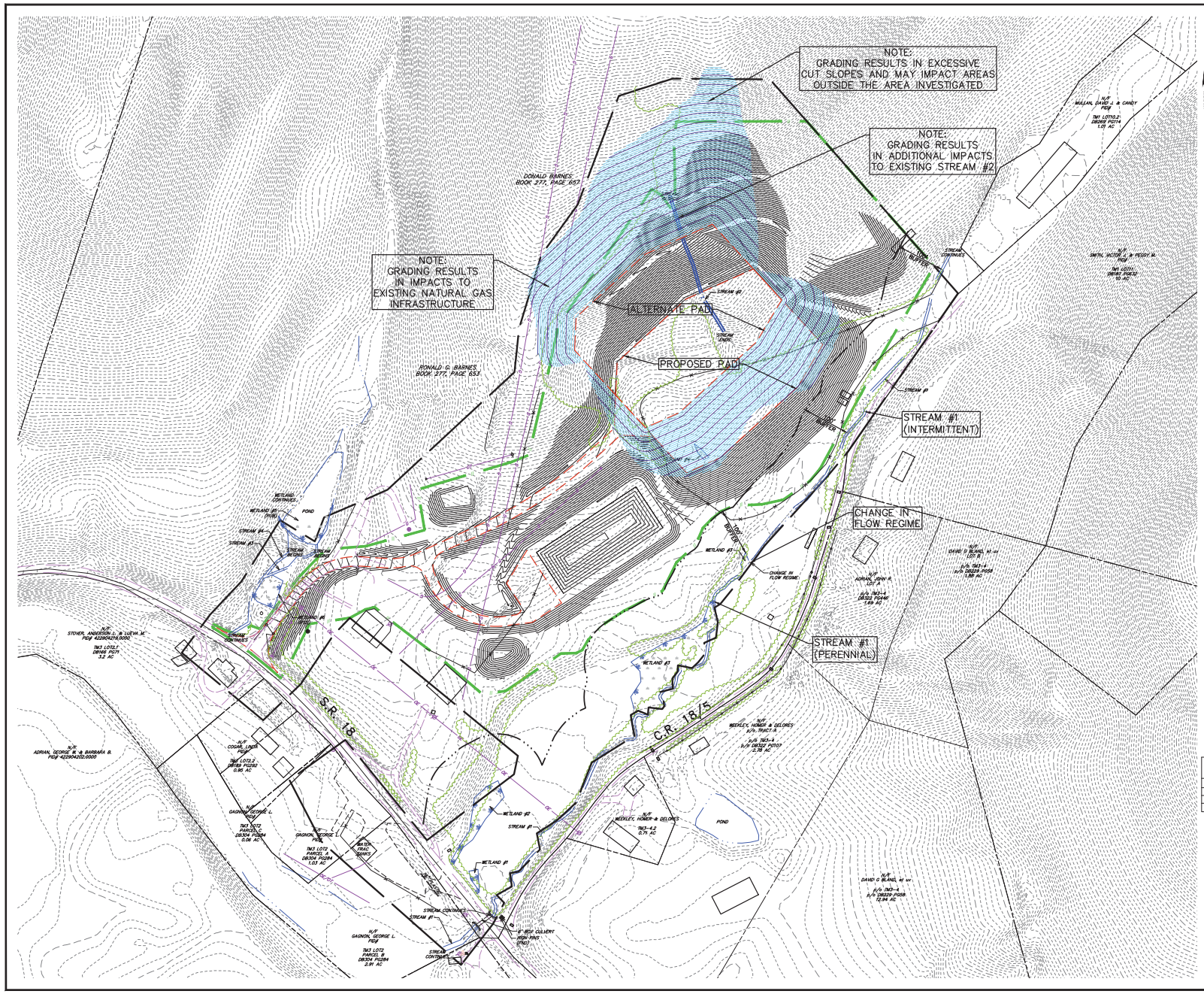
a. Please refer to the Site Construction, Reclamation, and Erosion & Sediment Control Plans. Prior to the commencement of any earth disturbance, the critical areas such as streams and wetlands shall be delineated and their perimeters clearly marked. Orange construction fence will be installed around all critical areas that are not to be impacted. Compost filter socks shall be installed upslope of all streams and wetlands. Finally a perimeter berm is proposed around the pad itself further protecting the streams and wetlands. Stormwater shall be conveyed in a non-erosive manner utilizing channel lining, riprap outlet protection, rock check dams, and level spreaders. The proposed site shall be stabilized as soon as possible after grading activities have ceased. Seed and mulch will be applied to all disturbed areas not otherwise stabilized. Seeding will be applied immediately upon reaching final grade, or upon temporary cessation of earth disturbance activity that will last longer than 21 days, to reduce soil runoff. Revegetation of the site will be provided in accordance with the WV E&SC Field Manual and the Site Construction, Reclamation, and Erosion & Sediment Control Plans. Reclamation of the pit shall occur as soon as possible after the final well is completed as shown on the Reclamation Plan. The site shall be inspected daily during drilling operations and weekly thereafter. Additional silt fence and/or compost filter sock will be added around critical issues as necessary.

EXHIBIT 1



NOT FOR CONSTRUCTION/NOT FOR BIDDING

EXHIBIT 2



LEGEND

- EXISTING PROPERTY LINE
- EXISTING ADJOINER LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING PAVEMENT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STREAM
- EXISTING 100-YR. FLOODPLAIN
- EXISTING FENCE
- EXISTING TREELINE
- EXISTING DECIDUOUS\EVERGREEN TREE
- EXISTING STONEWALL
- EXISTING WETLANDS
- EXISTING OVERHEAD TELEPHONE
- EXISTING U/G TELEPHONE
- EXISTING OVERHEAD ELECTRIC
- EXISTING U/G ELECTRIC
- EXISTING GAS PIPELINE
- EXISTING SANITARY LINE
- EXISTING SANITARY MANHOLE
- EXISTING STORM PIPE
- EXISTING STORM MANHOLE
- EXISTING STORM INLET
- EXISTING STORM HEADWALL/ENDWALL
- EXISTING WELL
- EXISTING TELEPHONE BOX
- EXISTING MAILBOX
- EXISTING UTILITY POLE
- EXISTING GUYWIRE/POLE
- EXISTING MONUMENT
- EXISTING IRON ROD
- EXISTING IRON PIPE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- PROPOSED GRAVEL
- PROPOSED TREELINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED STORM PIPE
- PROPOSED CHANNEL LINING
- PROPOSED ORANGE CONSTRUCTION FENCE
- PROPOSED FENCE LINE
- TEMPORARY FILTER SOCK
- TEMPORARY FILTER SOCK – 12"
- TEMPORARY FILTER SOCK – 18"
- TEMPORARY FILTER SOCK – 24"
- TEMPORARY FILTER SOCK – 32"
- LIMIT OF DISTURBANCE
- (AOI) AREA OF INVESTIGATION

EARTHWORK VOLUMES

		ALTERNATE	PROPOSED
CUT	+	114,486 CY	93,019 CY
FILL	–	113,259 CY	92,310 CY
NET	=	1,227 CY (CUT)	709 CY (CUT)

TIMBER CLEARING

PAD LOCATION	ACRES
PROPOSED	7.0
ALTERNATE	7.9

NO.	DATE	REVISION

MANAGER: BRIAN D. SPRAY, PE
DESIGN BY: KRM | CHKD BY: CWW
DRAWN BY: KRM | CHKD BY: CWW
SURV. CHIEF: | FIELDBOOK NO.
DRAWING REFERENCE:

CLIENT
EQT CORPORATION
115 PROFESSIONAL PLACE
PROFESSIONAL BUILDING ONE
BRIDGEPORT, WEST VIRGINIA 26330

SCALE 1"=100'
0 50' 100' 200' 300'

RETTEW
RETTEW Associates, Inc.
Twin Towers, 4955 Steubenville Pike, Suite 305
Pittsburgh, PA 15205
Phone (412) 446-1728
Email: rettew@rettew.com
Website: www.rettew.com
Engineers • Planners • Surveyors • Landscape Architects
Environmental Consultants

ALTERNATIVE SKETCH PLAN
FOR
SMI-31 WELL PAD
NEW MILTON TAX DISTRICT DODDRIDGE COUNTY, WV

DATE: JANUARY 13, 2015
SHEET NO. 1 OF 1
DWG. NO. 092612019

NOT FOR CONSTRUCTION/NOT FOR BIDDING

4701706606

October 21, 2014

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

Re: Proposed Well Pad SMI31
Marcellus Wells 514667, 514668, 514670, 514674, and 514675
New Milton District, Doddridge County, West Virginia
Withdrawal of Objections to EQT Well Work Permit Applications

Dear Mr. Martin,

The purposes of this letter are to (i) withdraw the enclosed objections filed with respect to the above-captioned well work permit applications ("Permit Applications"), and (ii) serve as our consent to the drilling of the above-captioned wells by EQT Production Company ("EQT") and waiver of any well location restrictions.

EQT is the proposed driller and operator of those certain gas wells identified as Well Nos. 514667, 514668, 514670, 514674 and 514675 on the proposed SMI31 well pad located in New Milton District, Doddridge County, West Virginia.

On September 9, 2014, we notified your Department of our objections to EQT's Permit Applications for the above-captioned wells and the location of the SMI31 well pad ("Objections"). The letter containing the Objections is enclosed for your reference.

As a result of recent discussions with EQT, we have agreed to withdraw all objections to EQT's Permit Applications for the above-captioned wells and the SMI31 well pad, and hereby consent to the drilling of the above-captioned wells by EQT. We have also enclosed a well location restriction waiver with respect to the above-captioned wells and SMI31 well pad.

Therefore, we respectfully request that your Department withdraw the attached objections to the Permit Applications for the above-captioned wells and well pad.

Sincerely,

Victor J. Smith

Peggy M. Smith

RECEIVED
Office of Oil and Gas
OCT 24 2014
WV Department of
Environmental Protection

Enclosures

1706606

James Martin
DEP Office of Oil & Gas
601 57th St.
Charleston, WV 26304

September 9, 2014

Dear Mr. Martin/Office of Oil & Gas:

I am writing regarding a proposed Marcellus well site – SMI-31 pad Wells 514667-514668-514670-514674 & 514475 and any well not mentioned to be drilled on this site now and in the future by EQT or any company.

My wife Peggy M. Smith and I, Victor J. Smith, DO **NOT AGREE AND OBJECT TO THE DRILLING OF THESE WELLS OR FUTURE WELLS DRILLED AT THIS SITE.**

This well site is to be drilled less than 600 feet from my house and property. I have received some maps that are so distorted from being copied they are hard to understand.

I object to the drilling of said site because of the closeness to my home and water well. The well site will be a problem with increased noise, traffic and extreme lighting, but more importantly I am extremely concerned for the foundation of my home and over all buildings structure. Neighbors have lost their water well due to a Marcellus well that was further away.

Our biggest fear and objections is the danger of being in the red zone resulting in loss of life or at the least loss of house and property.

WE WILL NOT BE GIVING E.Q.T. OUR SIGNATURE OF CONSENT.

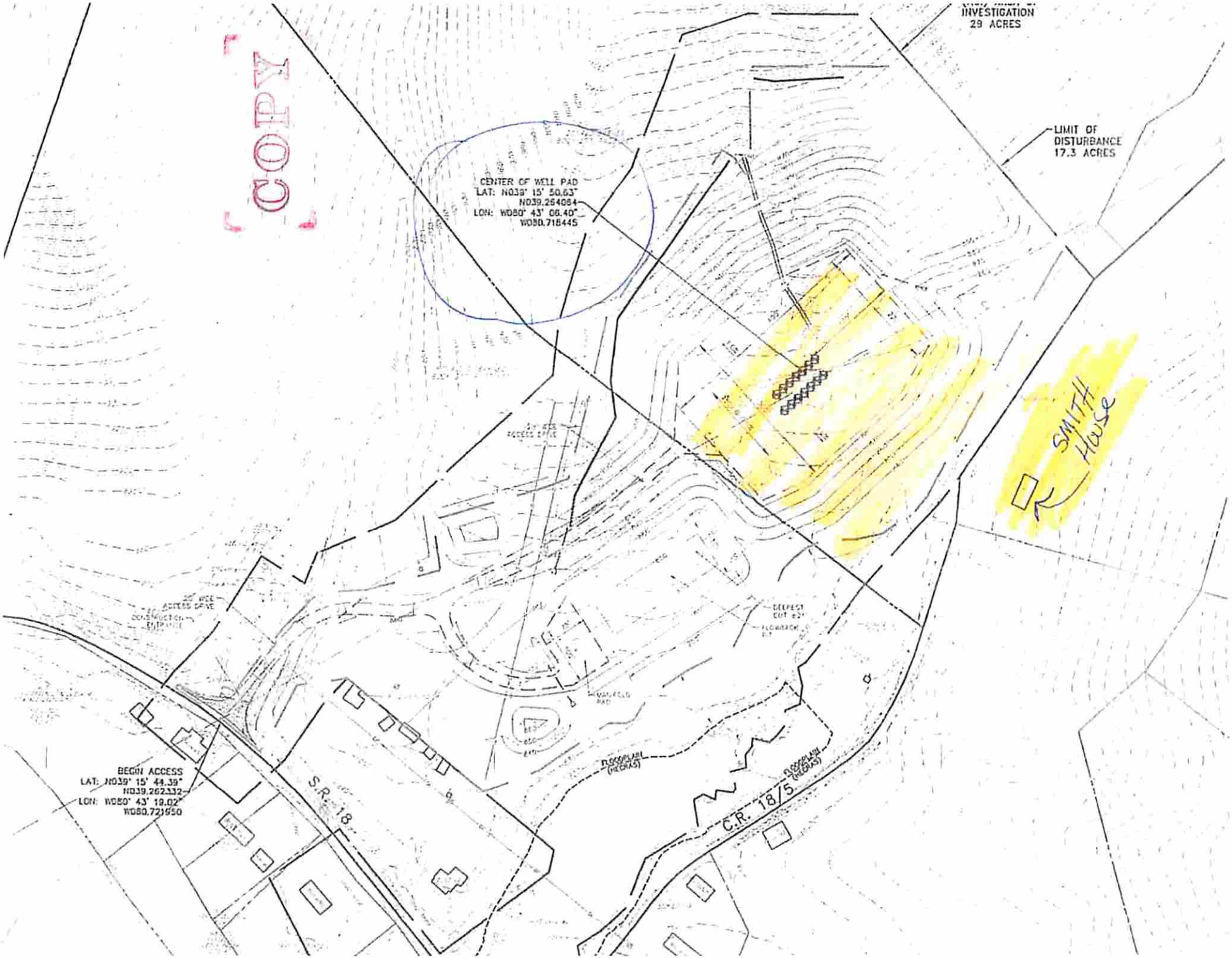
If you need to contact us Please send response by certified mail. Or call (home) 304-873-2286 or (cell) 304-904-0671.

Sincerely, Victor J. Smith 9/9/14
Peggy M Smith 9/9/14

Victor J. Smith
258 Douglas Run Road
West Union, WV 26456

Peggy M. Smith
Home: 304-873-2286
Cell: 304-904-0671

(enclosures)


COPY
INVESTIGATION
29 ACRES
LIMIT OF
DISTURBANCE
17.3 ACRES
CENTER OF WELL PAD
LAT: N039° 15' 50.63"
N039.264064
LON: W080° 43' 06.40"
W080.718445
SMITH
House
BEGIN ACCESS
LAT: N039° 15' 44.39"
N039.262332
LON: W080° 43' 19.02"
W080.721950
S.R. 18
C.R. 18/5

WW - 6B
(9/13)

4701706606

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

1) Well Operator: EQT Production Company

Operator ID	County	District	Quadrangle
	017	6	611

2) Operator's Well Number: 514674 Well Pad Name: SMI31

3) Farm Name/Surface Owner : Barnes Public Road Access: WV - 18

4) Elevation, current ground: 875.0 Elevation, proposed post-construction: 884.0

5) Well Type: (a) Gas ▪ Oil _____ Underground Storage _____

Other _____

(b) If Gas: Shallow ▪ Deep _____

Horizontal ▪

6) Existing Pad? Yes or No: No

7) Proposed Target Formation(s), Depth(s), Anticipated Thicknesses and Associated Pressure(s):

Target formation is Marcellus at a depth of 6474 with the anticipated thickness to be 59 feet and anticipated target pressure of 4360 PSI

8) Proposed Total Vertical Depth: 6,474
9) Formation at Total Vertical Depth: Marcellus
10) Proposed Total Measured Depth: 9,770
11) Proposed Horizontal Leg Length 2,216
12) Approximate Fresh Water Strata Depths: 81, 116, 227, 609, & 659
13) Method to Determine Fresh Water Depth: By offset wells
14) Approximate Saltwater Depths: 1981 & 2101
15) Approximate Coal Seam Depths: 206, 236, 512, & 977
16) Approximate Depth to Possible Void (coal mine, karst, other): None reported
17)Does proposed well location contain coal seams directly overlying or adjacent to an active mine?
(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

4701706606

CASING AND TUBING PROGRAM

18)

TYPE	Size	New or Used	Grade	Weight per ft.	FOOTAGE: for Drilling	INTERVALS: Left in Well	CEMENT: Fill- up (Cu.Ft.)
Conductor	26	New	MC-50	81	80	80	98 C.T.S.
Fresh Water	13 3/8	New	MC-50	54	759	759	667 C.T.S.
Coal	–	–	–	–	–	–	–
Intermediate	9 5/8	New	MC-50	40	5,054	5,054	1,993 C.T.S.
Production	5 1/2	New	P-110	20	9,770	9,770	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							

DCW 9-4-2014

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	26	30	0.312	-	Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,480	* See Note 2	1.21
Coal						
Intermediate	9 5/8	12 3/8	0.395	3,590	* See Note 2	1.21
Production	5 1/2	8 1/2	0.361	12,640	-	1.27/1.86
Tubing						
Liners						

Packers

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

Note 1: EQT plans to bring the TOC on the production casing cement job 1,000' above kick off point, which is at least 500' above the shallowest production zone, to avoid communication.
Note 2: Reference Variance 2014-17. (Attached)

RECEIVED
Office of Oil and Gas
SEP 09 2014
WV Department of
Environmental Protection

WW - 6B

(3/13)

4701706606

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 4295'. Then kick off the horizontal leg into the Marcellus using a slick water frac.

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 treating pressures are 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): ± 17.3 ac

22) Area to be disturbed for well pad only, less access road (acres): ± 8.4 ac

23) 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

24) Describe all cement additives associated with each cement type. **Surface (Type 1 Cement):** 0-3% Calcium Chloride Used to speed the setting of cement slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the 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.

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

4701706606

August 25, 2014

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

Re: Casing Plan on Wells (SMI31)

Dear Mr. Smith,

EQT is requesting the 13-3/8" surface casing be set at 759' KB, 100' below the deepest fresh water at 659' KB without setting below elevation. We will set the 9-5/8" intermediate string at 5054' KB, 50' below the Alexander formation.

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

Sincerely,

Vicki Roark
Permitting Supervisor

Enc.

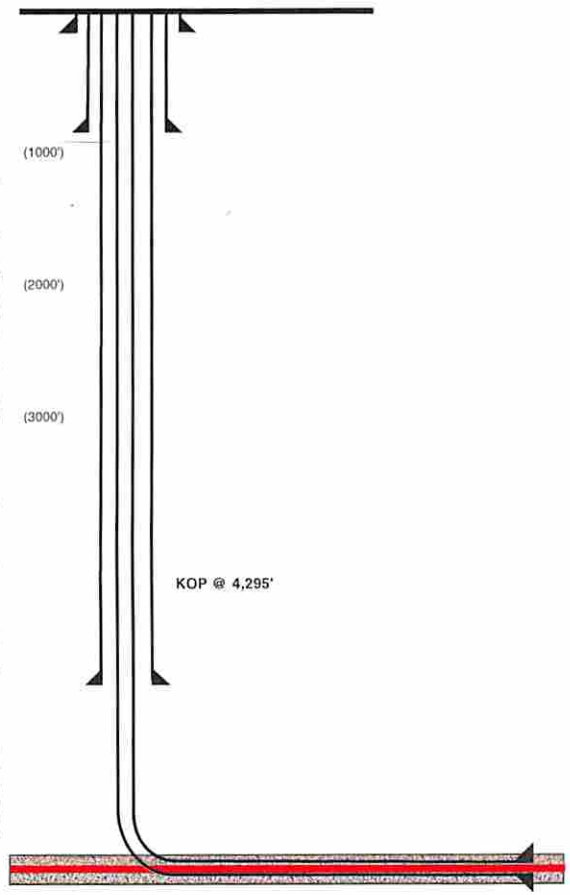
Received
SEP
Office of Oil and Gas
WV Dept. of Environmental Protection

4701706606

Well 514674(SMI31H9)
EQT Production
Smithburg
Doddridge West Virgina

Azimuth 335
Vertical Section 2319

TVD Depth (feet)	Formation Tops (TVD)		
0'			
250'			
500'	Base Fresh Water	659	
750'			
1,000'			(1000')
1,250'	Maxton	1266 - 1385	
	Base Red Rock	1453	
1,500'	Big Lime	1594 - 1763	
1,750'	Weir	1911 - 2048	
2,000'	-Gantz	2133 - 2164	(2000')
	-Fifty foot	2218 - 2278	
2,250'	-Thirty foot	2327 - 2360	
	-Gordon	2366 - 2379	
2,500'	-Forth Sand	2471 - 2526	
	-Bayard	2667 - 2687	
2,750'	-Warren	2994 - 3043	
3,000'	-Speechley	3056 - 3150	(3000')
3,250'			
3,500'	-Balltown A	3706 - 3884	
3,750'			
4,000'	-Riley	4222 - 4253	
4,250'			KOP @ 4,295'
4,500'	-Benson	4662 - 4692	
4,750'	-Alexander	4909 - 5004	
5,000'	Int. csg pt	5054	
5,250'			
5,500'	-Sonyea	6068 - 6221	
	-Middlesex	6221 - 6277	
5,750'	-Genesee	6277 - 6346	
	-Geneseo	6346 - 6388	
6,000'	-Tully	6388 - 6415	
	-Hamilton	6415 - 6449	
6,250'	Marcellus top	6449	
	Target Inside Marcellus	**6474**	
6,500'	Marcellus Bottom	6507	
6,750'			
7,000'			
7,250'			
7,500'			



Hole Size (inches)	Casing Type	Casing Size (inches)	Wt (ppf)/Grade
30	Conductor	26	77#/MC-50
17 1/2	Surface	13 3/8	54#/MC-50
12 3/8	Intermediate	9 5/8	40#/MC-50
8 1/2	Production Casing	5 1/2	20#/P-110

Land curve @ 6,474' ft TVD
7,068' ft MD

Est. TD @ 6,474' ft TVD
9,270' ft MD

2,216 ft Lateral

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 4295'.
Then kick off the horizontal leg into the Marcellus using a slick water frac.

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

Well Schematic
EQT Production

Well Name	514674(SMI31H9)
County	Doddridge
State	West Virgina

Elevation KB:	897
Target	Marcellus
Prospect	
Azimuth	335°
Vertical Section	2319

4701706606

0'		0'
500'		500'
	659' Fresh Water Base	
1,000'		1,000'
	1,266' Maxton	
1,500'	1,489' Base Red Rock	1,500'
	1,594' Big Lime	
2,000'	1,911' Weir	2,000'
	2,133' -Gantz	
	2,218' -Fifty foot	
	2,327' -Thirty foot	
2,500'	2,366' -Gordon	2,500'
	2,471' -Forth Sand	
	2,667' -Bayard	
3,000'	2,994' -Warren	3,000'
	3,056' -Speechley	
3,500'		3,500'
	3,706' -Balltown A	
4,000'		4,000'
	4,222' -Riley	
4,500'		4,500'
	4,662' -Benson	
5,000'	4,909' -Alexander	5,000'
	5,054' Int. csg pt	
5,500'		5,500'
	6,068' -Sonyea	
6,000'	6,221' -Middlesex	6,000'
	6,277' -Genesee	
	6,348' -Geneseo	
	6,388' -Tully	
	6,415' -Hamilton	
6,500'	6,449' -Marcellus	6,500'
	6,507' Onondaga	
7,000'		7,000'
7,500'		7,500'
8,000'		8,000'

Hole Size 30" - 26" Conductor at 80'
Bit Size 17.5"

TOC @ Surface
13 3/8", MC-50, 54.5# @ 759' ft MD
Bit Size 12.375"

KOP = 4,295' ft MD
10 Deg DLS

TOC @ Surface
9 5/8", MC-50, 40# @ 5,054' ft MD
Bit Size 8.5"

Land @ 7,068' ft MD
6,474' ft TVD

5 1/2", P-110, 20# 9,270' ft MD
6,474' ft TVD

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

4701706606

dep

west virginia department of environmental protection

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

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

March 18, 2014

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

Re: Cement Variance Request

Dear Sir or Madam,

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

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

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

Sincerely,

James Peterson by GCS

James Peterson
Environmental Resources Specialist / Permitting

Promoting a healthy environment.

Received

Office of Oil and Gas
West Virginia Department of Environmental Protection

4701706606

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.

Received

CONCLUSIONS OF LAW

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

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

ORDER

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

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

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief
Office of Oil and Gas

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

4701706606

WW-9
(5/13)

Page 1 of 2
API No. 47 - 017 - 06606
Operator's Well No. 514674

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

Fluids/Cuttings Disposal & Reclamation Plan

Operator Name EQT Production Co. OP Code

Watershed (HUC10) Meathouse Fork Quadrangle New Milton 7.5'

Elevation 884.0 County Doddridge District New Milton

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes x No

Will a pit be used ? Yes: X No:

If so please describe anticipated pit waste: Flowback water and residual solids

Will a synthetic liner be used in the pit? Yes X No If so, what ml.? 60

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- • Underground Injection (UIC Permit Number 0014, 8462, 4037)
- • Reuse (at API Number Various)
- • Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain)

Will closed loop system be used ? Yes, The closed loop system will remove drill cuttings from the drilling fluid. The drill cuttings are then prepared for transportation to an off-site disposal facility.

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air is used to drill the top-hole sections of the wellbore, Surface, Intermediate, and Pilot hole sections, water based mud is used to drill the curve and lateral.

If oil based, what type? Synthetic, petroleum, etc

Additives to be used in drilling medium? MILBAR, Viscosifer, Alkalinity Control, Lime, Chloride Salts,Rate Filtration Control, Deflocculant, Lubricant, Detergent, Defoaming, Walnut Shell, X-Cide, SOLTEX Terra. Of the listed chemicals the following are generally used when drilling on air: lubricant, detergent, defoaming. Water based fluids use the following chemicals: MILBAR, viscosifer, alkalinity control, lime, chloride salts, rate filtration control, deflocculant, lubricant, detergent, defoaming, walnut shell, x-cide, SOLTEX terra

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill

- If left in pit and plan to solidify what medium will be used? (Cement, Line, sawdust) n/a
- Landfill or offsite name/permit number? See Attached List

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature
Company Official (Typed Name) Victoria J. Roark
Company Official Title Permitting Supervisor

Subscribed and sworn before me this 24th day of October, 2014

Katelyn L. Liston Notary Public

My commission expires May 16, 2024

OFFICIAL SEAL
Notary Public, State of West Virginia
KATELYN L LISTON
1306 Serene Drive
Fairmont, WV 26554
My commission expires May 16, 2024

Received
Office of Oil & Gas
OCT 27 2014

4701706606

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

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

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

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

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

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

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 and Gas
WV Dept. of Environmental Protection

4701706606

WW-9

Operator's Well No. 514674

Proposed Revegetation Treatment: Acres Disturbed 17.3 Prevegetation pH 6

Lime 3 Tons/acre or to correct to pH 6.5

Fertilize type

Fertilizer Amount 1/3 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

Temporary Seed Type	lbs/acre	Permanent Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

Attach:
Drawing(s) of road, location,pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas Newlon

Comments: Preseed & Mulch, install & Maintain EPS To WV Dep regulations

Title: Oil & Gas inspector Date: 9-4-2014

Field Reviewed? (✓) Yes ( ) No

4701706606

EQT

Where energy meets innovation.℠

Site Specific Safety Plan

EQT SMI 31 Pad

Doddridge County, WV

For Wells:

514667 514668 514670 514674 514675

Date Prepared: August 25, 2014

EQT Production

Permitting Supervisor
Title

8-28-14
Date

Douglas Newlon
WV Oil and Gas Inspector

Title

9-4-2014
Date

FORM WW-9

EQT PRODUCTION COMPANY
SMI-31 WELL PAD

PAGE OF

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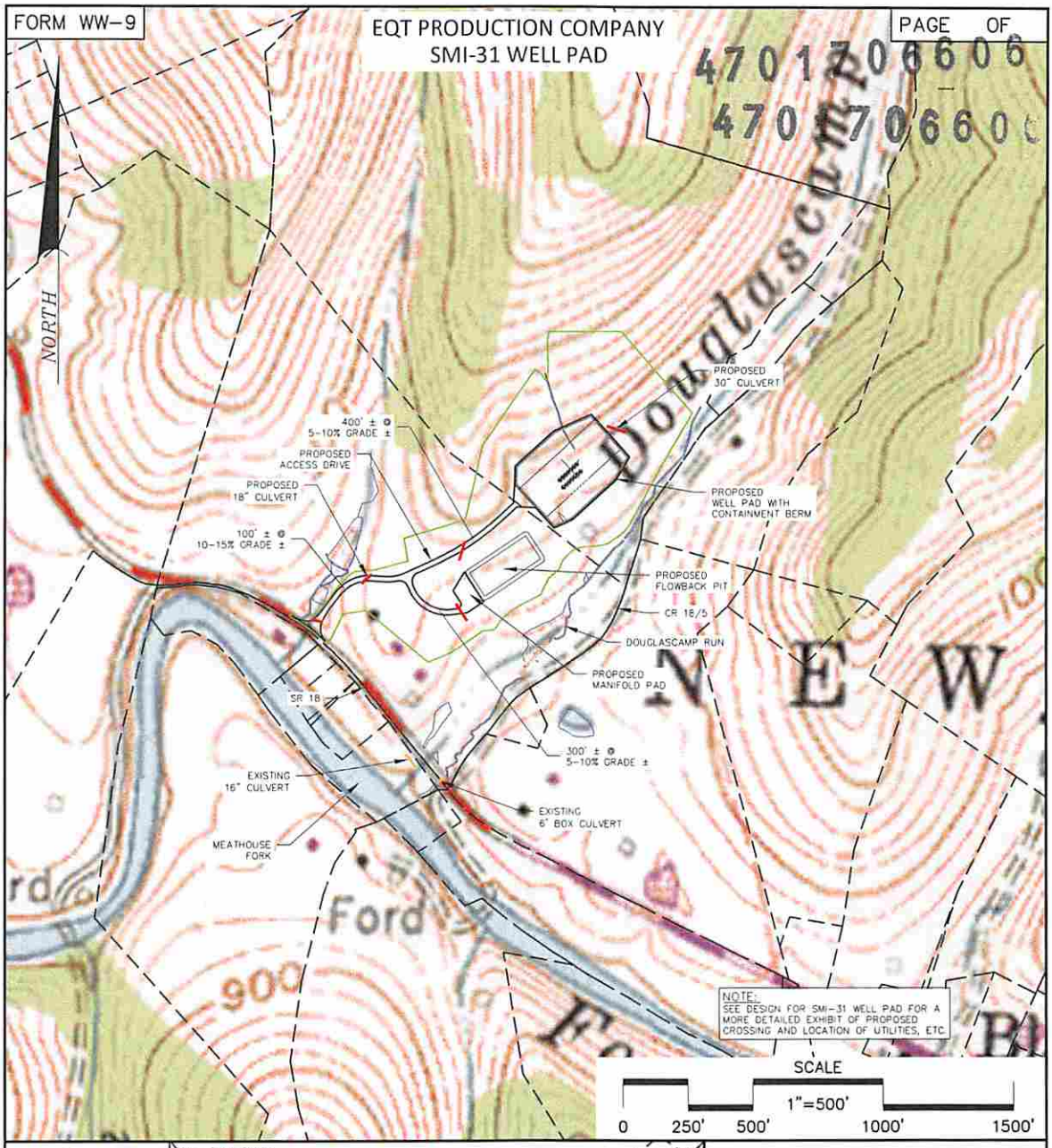
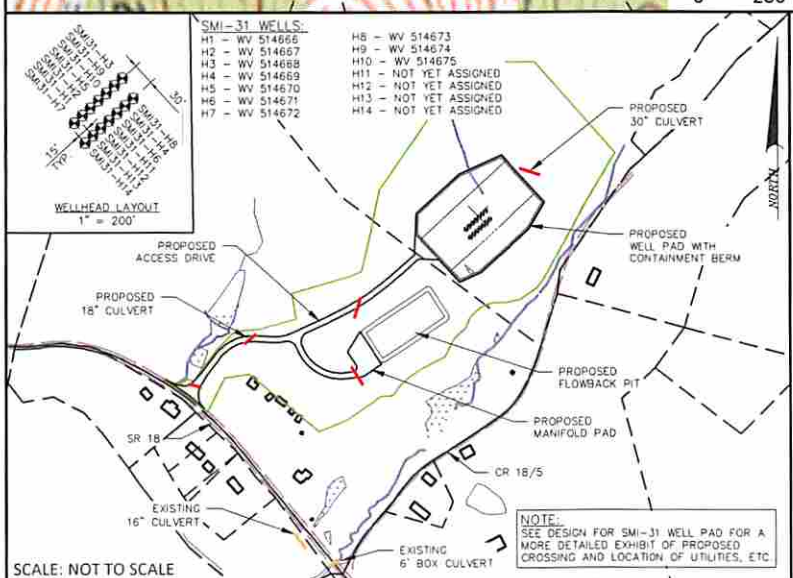




ALL ROADS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV DEP OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV DOT REGULATION SEPARATE PERMITS MAY BE REQUIRED BY DOT.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV DEP OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT AND STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

= PROPOSED CULVERT 24" MIN UNLESS OTHERWISE NOTED

= EXISTING CULVERT

= APPROXIMATE LIMIT OF DISTURBANCE

Received
Office of Oil and Gas
Dept of Environmental Protection

CONSTRUCTION AND RECLAMATION PLAN

SMI-31 WELL PAD

NEW MILTON TAX DISTRICT

DODDRIDGE COUNTY, WV

EQT Where energy meets innovation.

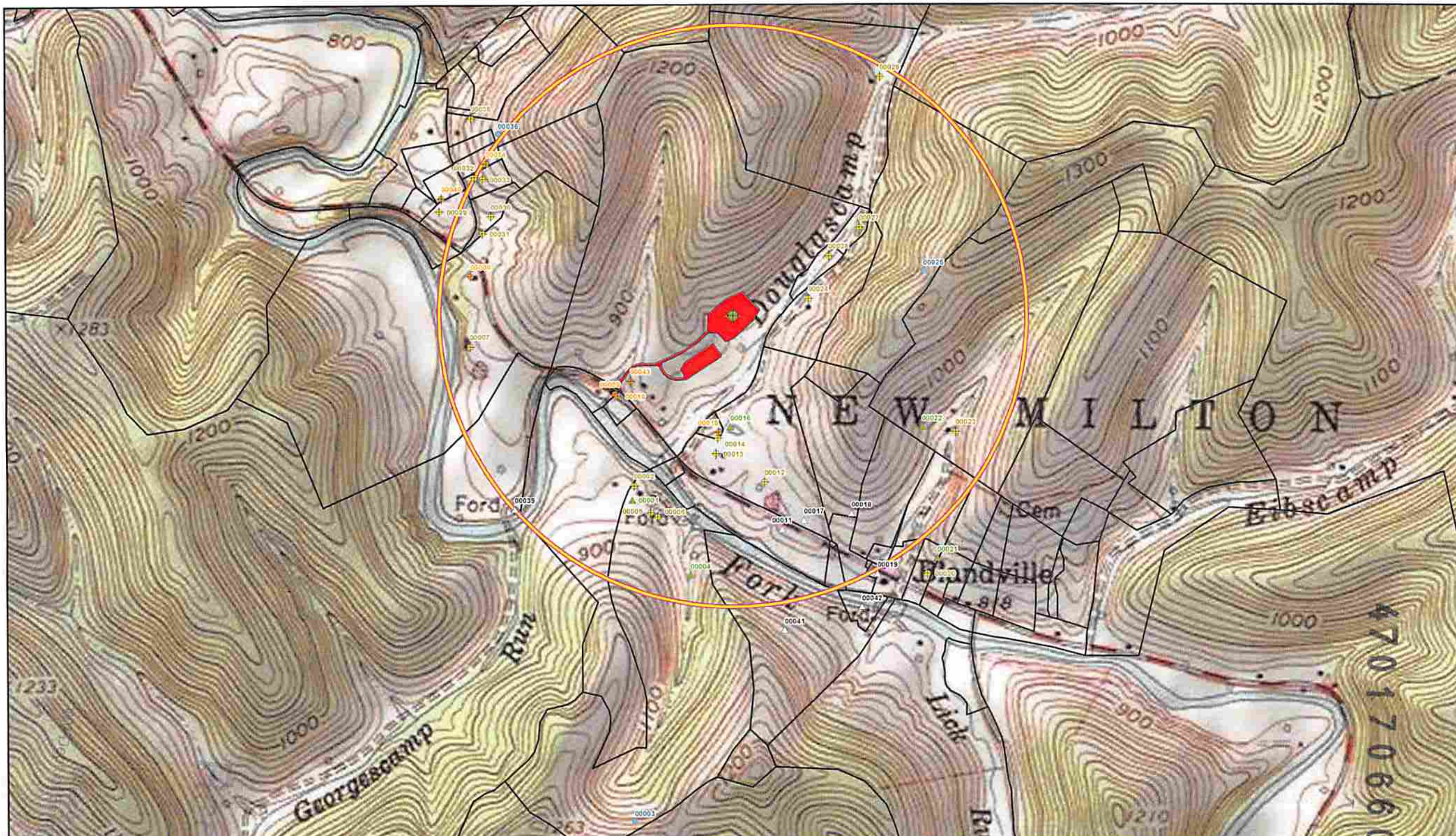
RETTEW
RETTEW Associates, Inc
Twin Towers;
4955 Steubenville Pike,
Suite 305
Pittsburgh, PA 15205

DRAWN BY: DAW

DATE: 07/18/2014

SCALE: AS NOTED

C:_RETTEWVAULTWP\092612019-SMITHBURG 31 PAD\SHEETS\LD\WW-9 EXHIBIT\092612019-FORM WW-9 EXHIBIT.DWG



EQT Production Company

Smithburg 31 Pad

Residential Water Supply Map

Project No: 092612019

New Milton Tax District, Doddridge County, WV

Well Pad Location
Well Confirmed Not in Use
Well Location
Spring
Source Unconfirmed
Pond
2,500 ft Buffer
Well Road
Parcel Boundary

0 — 750 Feet

1 inch = 750 feet

EQT Where energy meets innovation.

RETTEW

and Gas
mental Protection

14,772'

Latitude: 39° 17' 30"

Longitude: 80° 40' 00"

9,825'

GRID NORTH
NAD 83

LEGEND

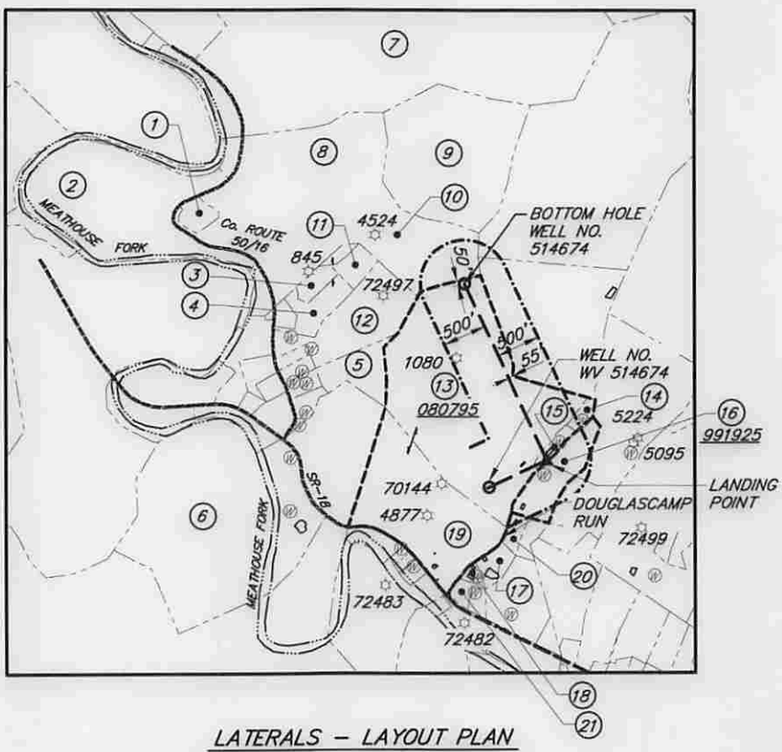
- EXISTING GAS WELL
- WATER FEATURE
- LEASE BOUNDARY
- PROPERTY LINE
- STREAM

WELL NO. WV 514674

1. BUILD-OUT
   BEARING – N65°00'13"E
   LENGTH – 725'
2. LATERAL
   BEARING – N24°59'47"W
   LENGTH – 2,216'

EQT PRODUCTION COMPANY
BARNES LEASE
115.2 ACRES ±
WELL NO. WV 514674

	TOP HOLE	
NAD'27 S.P.C. (FT)	N. 280,602.6	E. 1,654,980.3
NAD'27 GEO	LAT-(N) 39.263996	LONG-(W) 80.718569
NAD'83 UTM 17N (M)	N. 4,346,120.3	E. 524,293.8
NAD'83 S.P.C. (FT)	N. 280,638.4	E. 1,623,539.1
	LANDING POINT	
NAD'27 S.P.C. (FT)	N. 280,909.0	E. 1,655,637.4
NAD'27 GEO	LAT-(N) 39.264861	LONG-(W) 80.716263
NAD'83 UTM 17N (M)	N. 4,346,217.0	E. 524,492.5
NAD'83 S.P.C. (FT)	N. 280,944.8	E. 1,624,196.2
	BOTTOM HOLE	
NAD'27 S.P.C. (FT)	N. 282,904.8	E. 1,654,706.9
NAD'27 GEO	LAT-(N) 39.270306	LONG-(W) 80.719645
NAD'83 UTM 17N (M)	N. 4,346,820.3	E. 524,198.9
NAD'83 S.P.C. (FT)	N. 282,940.5	E. 1,623,265.7



LATERALS – LAYOUT PLAN

1" = 2,000'

PARCEL OWNERS

NUMBER	TAX MAP ID	OWNER	ACRES ±	LEASE
1	TM1-4	ELWOOD & ELIZABETH RILL	15.6	–
2	TM1-2	COUNTY COURT OF DODDRIDGE COUNTY	57.7	–
3	TM1-7.1	PATRICK & PENNY PRICE	2.30	–
4	TM1-7.9	PATRICK & PENNY PRICE	6.74	–
5	TM1-7.13	SAMUEL & PAULA WEEKLY	8.85	–
6	TM1-9	ROBERT S. MAXWELL	105.27	–
7	TM16-15.2	GENE & LINDA MOOSE	148	–
8	TM1-3	ELWOOD & ELIZABETH RILL	60.5	–
9	TM1-4	ELWOOD & ELIZABETH RILL	43.0	–
10	TM1-3	ELWOOD & ELIZABETH RILL	23.25	–
11	TM1-7.15	ROGER & NORA ANN NICHOLSON	3.11	–
12	TM1-7.12	SAMUEL & PAULA WEEKLY	15.72	–
13	TM1-10	DONALD BARNES & RONALD G. BARNES	77.53	080795
14	TM1-10.1	ALICIA GAWRORISKI	1.29	–
15	TM1-10.2	DAVID & CANDY MULLAN	1.01	–
16	TM1-11	VICTOR & PEGGY SMITH	10.0	991925
17	TM3-4.5	WEEKLEY, HOMER L. & DELORES M.	2.78	–
18	TM3-4.2	HOMER & DELORES WEEKELY	0.71	–
19	TM1-10.3	RONALD G. BARNES	37.674	080795
20	TM3-4.7	JOHN R. ADRIAN	1.69	–
21	TM3-4.6	WEEKLEY, HOMER L. & DELORES M.	1.49	–

encompass

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 2005

WILLIAM J. WHITMAN, II
LICENSED
No. 2005
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE DECEMBER 18, 2014

OPERATORS WELL NO. WV 514674

API WELL NO. 47 (STATE) 017 (COUNTY) 06606 (PERMIT) H6A

MINIMUM DEGREE OF ACCURACY ±3' FILE NO. BARNES_WELL PLAT

PROVEN SOURCE OF ELEVATION GPS SCALE: 1" = 2000'

SHEET NO. 2 OF 2

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

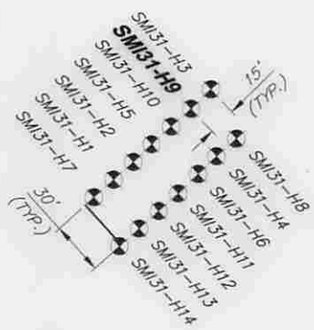
WWW.ENCOMPASSSERVICES.COM PLOT DATE: 12/18/2014 CAD FILE: SM31_WELL PLAT-12-18-2014.DWG

EQT PRODUCTION COMPANY
BARNES LEASE
115.2 ACRES ±
WELL NO. WV 514674

GRID NORTH
NAD 83

SMI 31 WELLS

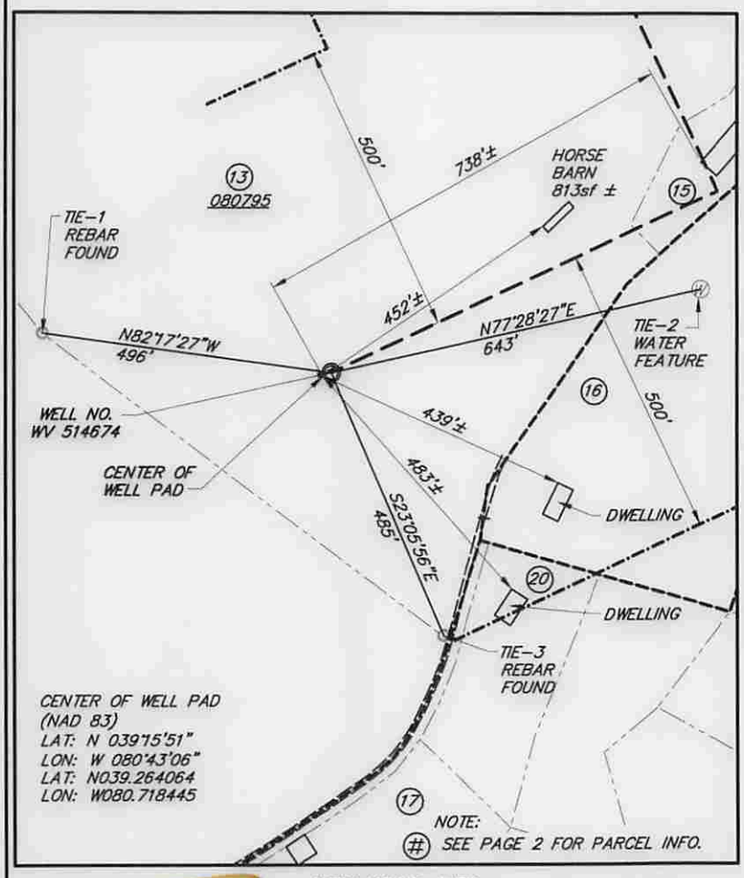
H1 – WV 514666
H2 – WV 514667
H3 – WV 514668
H4 – WV 514669
H5 – WV 514670
H6 – WV 514671
H7 – WV 514672
H8 – WV 514673
H9 - WV 514674
H10 – WV 514675
H11 – WV
H12 – WV
H13 – WV
H14 – WV



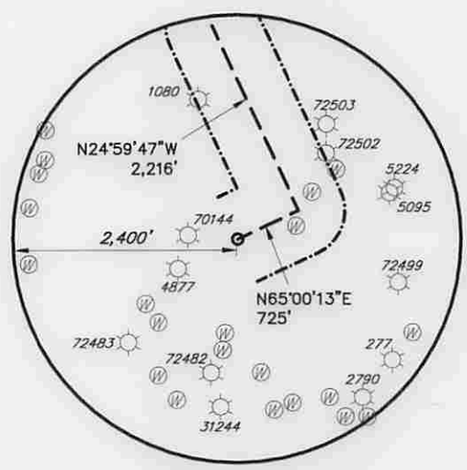
WELLHEAD LAYOUT
1" = 100'

NOTES ON SURVEY

1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '83
2. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN AUGUST, 2013
3. WELL LAT./LONG. (NAD'27) ESTABLISHED BY GPS
4. THE LOCATION OF BOUNDARY LINES SHOWN HEREIN ARE BASED ON RECORD DEED, PLATS AND TAX MAPS BEST FIT TO FOUND FIELD EVIDENCE AND AERIAL PHOTOS, UNLESS OTHERWISE NOTED.
5. THIS PLAT DOES NOT REPRESENT AN ACTUAL BOUNDARY SURVEY OF THE INDIVIDUAL PARCELS.
6. THERE ARE NO EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF PROPOSED WELL.
7. A NWP-39 HAS BEEN OBTAINED TO FILL A SMALL WETLAND WITHIN THE PAD. THE WELL PAD LOD IS GREATER THAN 100' FROM PERENNIAL STREAMS, OTHER WETLANDS, PONDS, RESERVOIRS, OR LAKES.
8. THERE IS A DWELLING WITHIN 439'± OF THE PROPOSED CENTER OF THE WELL PAD. THERE IS A SECOND DWELLING WITHIN 483'± OF THE PROPOSED CENTER OF THE WELL PAD.



WELLHEAD TIES
1" = 300'



EXISTING WELL LOCATIONS
SCALE: 1" = 2000'

encompass

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 2005

WILLIAM J. WHITMAN, II
LICENSED
No. 2005
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE DECEMBER 18, 20 14
OPERATORS WELL NO. WV 514674
API WELL NO. 47 (STATE) 017 (COUNTY) 06606 (PERMIT) H6A

MINIMUM DEGREE OF ACCURACY ±3' FILE NO. BARNES_WELL PLAT
PROVEN SOURCE OF ELEVATION GPS SCALE: AS NOTED

SHEET NO. 1 OF 2

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

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
LOCATION : ELEVATION 875' (GROUND) 884' (PROPOSED) WATERSHED MEATHOUSE FORK
DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE SMITHBURG
SURFACE OWNER DONALD BARNES/RONALD G. BARNES ACREAGE 77.53± AC/37.674± AC
ROYALTY OWNER DONALD BARNES et al LEASE ACREAGE 115.20± AC
PROPOSED WORK : LEASE NO. 080795
DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD ___
FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION MARCELLUS
ESTIMATED DEPTH 6434'

COUNTY NAME
PERMIT

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT: REX C. RAY
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS: 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

WWW.ENCOMPASSSERVICES.COM PLOT DATE: 12/18/2014 CAD FILE: SMI31_WELL PLAT-12-18-2014.DWG

WW-6A1
(5/13)

Operator's Well No. 514674

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

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

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

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

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Lease 080795			min pd 1/8th	
	Harry H. Trent, et ux	Columbian Fuel Corp.		LB82/59
	Columbian Fuel Corp. merges w/Cities Service Oil Co.	Cities Service Oil Co. (Successor)		LB103/328
	Cities Service Oil Co. merges w/Cities Service Co.	Cities Service Co. (Successor)		DB153/742
	Cities Service Co.	Cities Service Oil & Gas Corp.		LB132/177
	Cities Service Oil & Gas Corp.	OXY USA, Inc.		DB205/614
	OXY USA, Inc.	Ashland Exploration, Inc.		LB160/679
	Ashland Exploration, Inc.	Blazer Energy Corp.		LB181/412
	Blazer Energy Corp.	Eastern States Oil & Gas Inc.		LB182/96
	Eastern States Oil & Gas Inc.	Equitable Production Company		CB281/346
	Equitable Production Company	EQT Production Company		CB281/346

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

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

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

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

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

Received

Well Operator: EQT Production Company
By:
Its: Permitting Supervisor

Office of Oil and Gas
WV Dept. of Environmental Protection

WW-PN
(5-04-2012)

Horizontal Natural Gas Well Work Permit
Application Notice By Publication

Notice is hereby given:
Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: _____The Herald Record_____

Public Notice Date: _7/29/14_& 8/5/14_____

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads **or** utilizes more than two hundred ten thousand gallons of water in any thirty day period.

Well Number: 514667, 514668, 514670, 514674, 514675__
Applicant: _EQT Production Company_____
Address:___115 Professional Place, P.O. Box 280_____
_____Bridgeport, WV 26330_____

Business Conducted: Natural gas production.

Location –

State: **West Virginia**
County: **Doddridge**
District: **New Milton**
Quadrangle: **Smithburg**
UTM Coordinate NAD83 Northing: **4,346,111.06, 4,346,123.74, 4,346,114.15, 4,346,120.34, 4,346,117.24**
UTM coordinate NAD83 Easting: **524,284.04, 524,297.18, 524,287.14, 524,293.84, 524,290.49**
Watershed: **Meathouse Fork**

Coordinate Conversion:
To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm_conus.php

Electronic notification:
To receive an email when applications have been received or issued by the Office of Oil and Gas, visit http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx to sign up.

Reviewing Applications:
Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost $15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to DEP.oog@wv.gov.

Submitting Comments:
Comments may be submitted online at https://apps.dep.wv.gov/oog/comments/comments.cfm, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.
For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

Received
SEP
Office of Oil and Gas
WV Dept. of Environmental Protection

Legal Advertisement

Horizontal Natural Gas Well Work Permit
Application Notice By Publication

Notice is hereby given:
Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.
Paper: Herald Record
Public Notice Date:7/29/14 & 8/5/14
The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.
Well Number: 514667, 514668, 514670, 514674, 514675
Applicant: EQT Production Co.
Address: 115 Professional Place, P.O. Box 280
Bridgeport, WV 26330

Business Conducted: Natural gas production.
Location - State: West Virginia
County: Doddridge
District: New Milton
Quadrangle: Smithburg
UTM Coordinate NAD 83 Northing: 4,346,111.06, 4,346,123.74, 4,346,114.15, 4,346,120.34, 4,346,117.24
UTM coordinate NAD83 Easting: 524,284.04, 524,297.18, 524,287.14, 524,293.84, 524,290.49
Watershed: Meathouse Fork
Coordinate Conversion:
To convert the coordinates above into longitude and latitude, visit:
http://tagis.dep.wv.gov/convert/llutm_conus.php.
Electronic notification:
To receive an email when applications have been received or issued by the Office of Oil and Gas, visit:
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Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.
For information related to horizontal drilling visit:
www.dep.wv.gov/oil-and-gas/pages/default.aspx.
7-29-2xb

Attachment J
Air Quality Permit Notice
Notice of Application
Notice of Application Cofor Wellpad
Antero Resources Corporation
Doddridge County, West Virginia

Notice is given that Antero Resources Corporation has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a General Permit Registration for an Oil and Natural Gas facility located near 0.7 mi NE intersection of Tunnel Hill road and CO Rte 4/1 in Doddridge, WV.
The latitude and longitude coordinates are: 39.299423 degrees N and -80.800056 degrees W

The applicant estimates the potential to discharge the following Regulated Air Pollutants will be:

Pollutants	TOTALS (tpy):
VOC	57.7670
NO x	9.3415
CO_2e	15692.7000
CO	31.4078
SO2	0.0329
PM25	0.5660
PM10	3.2802
Lead	3.98E-05
Total HAPs	4.6656
Benzene	0.0292
Formaldehyde	0.0251

Legal Advertisement

Watershed: Big Run and Hickory Run of South Fork of Hughes River
Coordinate Conversion:
To convert the coordinates above into longitude and latitude, visit:
http://tagis.dep.wv.gov/convert/llutm_conus.php.
Electronic notification:
To receive an email when applications have been received or issued by the Office of Oil and Gas, visit:
http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx to sign up.
Reviewing Applications:
Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost $15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to DEP.oog@wv.gov.
Submitting Comments:
Comments may be submitted online at: https://apps.dep.wv.gov/oog/comments/comments/cfm, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.
Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.
For information related to horizontal drilling visit:
www.dep.wv.gov/oil-and-gas/pages/default.aspx.
7-22-2xb

IN THE CIRCUIT COURT OF DODDRIDGE COUNTY, WEST VIRGINIA
ANTERO RESOURCES CORPORATION,
Plaintiff
v.
Civil Action No. 14-C-39
Judge Timothy L. Sweeney

JOHN E. GRAY, JR., ROBIN S. SAMALA,
MARY M. WELCH,
EMMA ROW ARBENZ,
SUZANNE McCARTHY, ANN A. DAGLE
DAVID L. ARBENZ, CAROLYN HOBBS,
DAVID R. ARBENZ, DENNIS B. ARBENZ,
LAURA MOODY, MARK W. MOODY,
MARGARET HUNTER, JOHN O. HAUSER,
MARY K.H. HEWETT, JOHN B. DORSEY,
JOHN W. McCARDLE,
ADA M. CLARK, KELLY GARBER,
CAROLYN B. HAAS, KAREN SCHWARTZ,
JOSEPH H. BURRIS, KIMBERLY HARPER,
CHRISTINE WOOD, STACEY VICKERS,
LYSLE B. GRAY, CONSTANCE M. SHULTZ,
MARILYN DIEFFENBACH, ROBERT W. BAHR,
RICHARD BAHR, PATRICIA HIGLEY,
JAMES J. BAHR, LINDA K. BAHR, JAMES T. WOOD,
GAIL WORKMAN, LARRY WORKMAN,
DONNA GRAY, TAMMIE FLESHER,
ANGEL WARRICK,
HOMER GRAY, ROBERT GRAY,
KELLY GRAY, RICHARD GRAY, MARY BASHAM,
MICHAEL McCARDLE,
NANCY McCARDLE, DUSTY McCARDLE,
TRAMPES McCARDLE, ROWDY McCARDLE,
HOWARD K. GATRELL, JR.,
GERALDINE G. MOORE, GARY GATRELL,
LUANN NEGRON, SONDRA K. ENGLISH,
DONNA D. SIMS, JOANNE McELWEE,
JEANETTE GRIMES, FRANKLIN D. EVANS,
DOUGLAS RICHARDS, JOHN B. EVANS,
CODY McCLENDON, JANALENE EVANS GRIMM,
JAMES R. EVANS, GORDON E. LOHR, SCOTT A. LOHR,
DARLA A. CAESAR, DONNA J. KLOSS,
ANDREW MYERS, CAITLYN FORDYCE,
DAVID B. EVANS, EVELYN L. HUDSON,
JUDITH L. WEIGAND, BETTY J. ALLMAN,
JAMES V. KAIM, JR., PATRICIA MEDEROS,
BEVERLY BOHRING, PAULA SMITH,
GARY E. PRICE, VICKIE L. SPAULDING,
BARBARA STANLEY, NANCY J. SCHEITLER,
LARRY JAMES FRIDLEY, JR., STEVEN D. FRIDLEY,
JILL FRIDLEY SCHULTZ, KEVIN C. FRIDLEY,
CHRISTY P. BOWEN, MICHAEL J. FRIDLEY,
JOHN H. FRIDLEY, JR., MATHEW J. FRIDLEY,
DALLAS E. FRIDLEY, JR., MARK FRIDLEY,
KAREN FRIDLEY, TRACY MORGAN,
KIMBERLY MAZE, LOIS PAINTER,
BETTY J. BRUNING, LOIS J. ERWIN,
JEFFREY A. CARR, RONALD D. CARR,
LAURIE A. BOSTICK, DUANE B. McCARDLE, JR.,
CHRIS M. CORELAND, JAMES R. ROGERS

Legal Advertisement

IN THE CIRCUIT COURT OF DODDRIDGE COUNTY, WEST VIRGINIA
ANTERO RESOURCES CORPORATION,
Petitioner/Plaintiff
v.
Civil Action No. 14-C-24
Judge Timothy L. Sweeney

WILLIAM MAXWELL and
HIS MISSING HEIRS,
SUCCESSORS, and ASSIGNS,
and
ALL UNKNOWN OWNERS
OF ANY INTEREST IN OIL
AND GAS WITHIN AND
UNDERLYING A CERTAIN
TRACT OF LAND IN
HARRISON COUNTY,
WEST VIRGINIA,
Respondents/Defendants.

AMENDED NOTICE OF PETITION

NOTICE IS HEREBY GIVEN that Antero Resources Corporation ("Antero"), having an address of 535 White Oaks Boulevard, Bridgeport, West Virginia, 26330, has brought the above-styled civil action in the Circuit Court of Doddridge County, West Virginia, pursuant to West Virginia Code S55-12A-1, *et seq.*, for the appointment of a special commissioner to privately sell, execute, and deliver a mineral lease for the development of the interests of William Maxwell and his unknown heirs, successors and assigns, as well as all other unknown parties who hold any right, title or interest in and to the oil and gas within and underlying a certain tract of land in New Milton District, Doddridge County, West Virginia, containing 89.56950 acres, more or less, being more particularly bounded and described as follows:
Tax Map 7, Portion of Parcel 1:
"Beginning at a hickory on the ridge, a corner to lands formerly owned by Marshall Maxwell and Alice Fitzwilliams; thence with three lines of the Fitzwilliams tract (now Rolla W. Maxwell) S. 80 degrees W. 49.46 poles to a stone and Maple pointers; thence N. 77 degrees 37' W. 119 poles to a stone; thence N. 53-3/4 degrees W. 55 poles to a stone on the right in lands of S.M. Stalnaker and O.L. Helmick; thence with four lines thereof N. 46-1/2 degrees E. 21.66 poles to a W.O.; S. 89 degrees E. 80 poles to a stone; N. 79 degrees E. 11 poles to a stone; N. 38 degrees E. 66.32 poles to a W.O., corner to W. Claude Maxwell estate; thence with lines thereof S. 55-1/4 E. 144.2 poles to the stone, corner to lands formerly owned by Marshall Maxwell; and thence with a line thereof S. 23-1/4 degrees W. 31.52 poles to the place of beginning, containing eighty-seven and 348/1000 (87.348) acres, more or less."
Said description being contained in Deed Book 123, Page 70.
(the "Subject Property").
In this civil action, Antero further requests that, in the case the Defendant listed above, or any heir, successor or assign of such Defendant who does not appear to claim ownership of the Defendant's interest within seven (7) years after the date of the lease, the Court order a conveyance of the Defendant's mineral interest pursuant to West Virginia Code S 55-12A-7, subject to the above-referenced lease, to the owner of the surface overlying the mineral interest of the Defendant.
The derivation of title for the persons whose interests are being petitioned in the aforementioned civil action is as follows:
By deed dated May 20, 1857, and recorded in Deed Book 3, Page 300, Joseph Gratz, Trustee for the Heirs of Michael Gratz, conveyed unto Williams Maxwell a tract of land containing 258 ½ acres, more or less.
By deed dated January 6, 1869, and recorded in Deed Book 7, Page 43, Franklin Maxwell and Frances Jane, his wife, conveyed unto Williams Maxwell two tracts of land containing 300 acres, more or less, including a tract of land containing 199 acres, more or less, and a tract of land containing 101 acres, more or less.
By deed dated August 28, 1897, and recorded in Deed Book 26, Page 65, William Maxwell conveyed unto Harriet E. Maxwell a tract of land containing 79 acres 115 poles, more or less.
By deed dated December 12, 1944, and recorded in Deed Book 107A, Page 167, Harriet E. Maxwell conveyed unto Hall Maxwell a tract of land containing 87.348 acres, more or less, being the same tract of land conveyed by that deed recorded in Deed Book 26, Page 65, reserving a life estate for the natural life of Harriet E. Maxwell.
According to the death record recorded in Death Index Book 5, Page 110B, Harriet Maxwell died on September 29, 1949, thereby terminating her life estate in the captioned property.
By deed dated November 6, 1947, and recorded in Deed Book 111, Page 306, Hall Maxwell and Gail Maxwell, his wife, conveyed unto L.B. Maxwell a tract of land

Legal Advertise

PUBLIC NOTICE OF APPLICATIC
NATURAL GAS HORIZONTAL WELL
PERMIT, pursuant to West Virginia C
22-6A-10(e).

Antero Resources Corporation, 1615 Wy Denver, CO 80202, is applying for a permi gas horizontal well, Hiley Unit 1H. approximately UTM NAD 83 Easting 5152 NAD 83 Northing 4350538.73m in Heady Island Creek Watershed, West Union Central District, Doddridge County, WV three acres or more of surface exclud gathering lines and roads or utilizes m hundred ten thousand gallons of water in period. To convert the coordinates above and latitude, http://tagis.dep.wv.gov/convert/llutm_co receive an email when applications have b issued by the Office of Oil and http://www.dep.wv.gov/insidedep/Pages/D ts.aspx to sign up.
Any interested person may submit writte request a copy of the proposed perm Regardless of format for comment submiss be received no later than thirty days af application is received by the Office of Oil
Comments may be submitte https://apps.dep.wv.gov/oog/comments/co by letter to Permit Review, Office of Oil an Street, SE, Charleston, WV 25304. Ema comments must reference the county, wel operator and be received within 30 days of last publication. Copies of the pro application may be reviewed at the WV Environmental Protection headquarters, 57th Street, SE, Charleston, WV 25304 (Full copies or scans of the proposed per will cost $15.00, whether mailed or ob headquarters.
For information related to horizontal horizontal well applications filed in th www.dep.wv.gov/oil-and-gas/ Permits/Pages/default.aspx
Antero Resourc

PUBLIC NOTICE OF APPLICATI
NATURAL GAS HORIZONTAL WEL
PERMIT, pursuant to West Virginia
22-6A-10(e).

Antero Resources Corporation, 1615 W Denver, CO 80202, is applying for a perm gas horizontal well, Hiley Unit 21 approximately UTM NAD 83 Easting 515 NAD 83 Northing 4350538.73m in Hea Island Creek Watershed, West Unio Central District, Doddridge County, WV three acres or more of surface exclu gathering lines and roads or utilizes hundred ten thousand gallons of water i period. To convert the coordinates abov and latitude, http://tagis.dep.wv.gov/convert/llutm receive an email when applications have issued by the Office of Oil a http://www.dep.wv.gov/insidedep/Pages ts.aspx to sign up.
Any interested person may submit writ request a copy of the proposed per Regardless of format for comment submi be received no later than thirty days application is received by the Office of C
Comments may be submitt https://apps.dep.wv.gov/oog/comments/c by letter to Permit Review, Office of Oil Street, SE, Charleston, WV 25304. Em comments must reference the county, w operator and be received within 30 days last publication. Copies of the p application may be reviewed at the W Environmental Protection headquarter 57th Street, SE, Charleston, WV 25304 Full copies or scans of the proposed pe will cost $15.00, whether mailed or o headquarters.
For information related to horizonta horizontal well applications filed in www.dep.wv.gov/oil-and-gas Permits/Pages/default.aspx
Antero Resou

Received Office of Oil & Gas Dept. of Environmental Protection

WW-6AC
(1/12)

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

Date of Notice Certification: 8/29/2014

API No. 47 - 017 - 0
Operator's Well No. 514674
Well Pad Name: SMI31

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	WV	UTM NAD 83 Easting:	524,293.80
County:	Doddridge	UTM NAD 83 Northing:	4,346,120.30
District:	New Milton	Public Road Access:	WV - 18
Quadrangle:	New Milton 7.5'	Generally used farm name:	Barnes
Watershed:	Meathouse Fork		

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:	OOG OFFICE USE ONLY
*PLEASE CHECK ALL THAT APPLY	
☐ NOTICE OF SEISMIC ACTIVITY or ☑ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	☐ RECEIVED/NOT REQUIRED
☑ NOTICE OF ENTRY FOR PLAT SURVEY or ☐ NO PLAT SURVEY WAS CONDUCTED	☐ RECEIVED
☐ NOTICE OF INTENT TO DRILL or ☑ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED OR	☐ RECEIVED/NOT REQUIRED
☐ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
☑ NOTICE OF PLANNED OPERATION	☐ RECEIVED
☑ PUBLIC NOTICE	☐ RECEIVED
☑ NOTICE OF APPLICATION	☐ RECEIVED

Received

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.

WW-6AC
(1/12)

Certification of Notice is hereby given:

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 280
By:	Victoria J. Roark		Bridgeport, WV 26330
Its:	Permitting Supervisor	Facsimile:	304-848-0040
Telephone:	304-848-0076	Email:	vroark@eqt.com

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Nicholas L. Bumgardner
Rt. 1, Box 4
Liberty, WV 25124
My Commission Expires July 27, 2018

NOTARY SEAL

Subscribed and sworn before me this 28 day of August ,2014

_____ Notary Public

My Commission Expires 7/27/2018

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.

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

WW-6A
(9-13)

API NO. 47 - 017 - 0
OPERATOR WELL NO. 514674
Well Pad Name: SMI31

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 8/29/2014 Date Permit Application Filed: 8/29/2014

Notice of:

☑ PERMIT FOR ANY WELL WORK ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

☐ PERSONAL SERVICE ☐ REGISTERED MAIL ☑ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to:

☑ SURFACE OWNER(s)
Name: Donald L. Barnes
Address: 7761 Skyline Drive
Harrisburg, PA 17112
0

Name: Ronald G. Barnes
Address: 181 Smith Lane
Howard, PA 16841
0

☑ SURFACE OWNERS(s) (Road and/or Other Disturbance)
Name: Donald L. Barnes
Address: 7761 Skyline Drive
Harrisburg, PA 17112
0
Name: Ronald G. Barnes
Address: 181 Smith Lane
Howard, PA 16841
0

☑ SURFACE OWNER(s) (Impoundments/Pits)
Name: Donald L. Barnes
Address: 7761 Skyline Drive
Harrisburg, PA 17112
0

☑ COAL OWNER OR LESSEE
Name: Donald L. Barnes
Address: 7761 Skyline Drive
Harrisburg, PA 17112
0
See attached for additional coal owners.

☐ COAL OPERATOR
Name: 0
Address: 0
0
0

☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: Anderson L & Lueva Stover
Address: 3606 Rt 185
New Milton, WV 26411
See attached for additional water purveyors

☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name:
Address:

*Please attach additional forms if necessary

Received
SEP - 4
Office of Oil and Gas
WV Dept. of Environmental Protection

Additional Coal Owners:

Ronald G. Barnes
181 Smith Lane
Howard, PA 16841

Additional Road Owners:

Ronald G. Barnes
181 Smith Lane
Howard, PA 16841

Additional Pit/Impoundment Owners:

Ronald G. Barnes
181 Smith Lane
Howard, PA 16841

Additional Water purveyors:

Linda Cogar
HC 68 Box 11AA
West Union, WV 26456

Lillian R. Bartee
3972 WV Rt. 18 S
West Union, WV 26456

Bland Life Estate
3889 WV Rt. 18 South
West Union, WV 26456

Homer L. & Dolores M Weekley
66 Douglas Run Rd
West Union, WV 26456

James A Bland
4061 Route 18
West Union, WV 26456

Victor J & Peggy M. Smith
258 Douglas Run Rd.
West Union, WV 26456

David J & Cindy Mullan
401 Douglas Road
West Union, WV 26456

Alicia Gawroriski
HC 68 Box 13A
West Union, WV 26456

Ronald Barnes
181 Smith Lane
Howard, PA 16841

Donald Barnes
7761 Skyline Drive
Harrisburg, PA 17112

Received
SEP
Office of Oil and Gas
WV Dept. of Environmental Protection

WW-6A
(8-13)

API NO. 47 - 017 - 0
OPERATOR WELL NO. 514674
Well Pad Name: SMI31

Notice is hereby given:

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

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

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

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

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

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

Well Location Restrictions

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

Office of Oil and Gas
WV Dept. of Environmental Protection

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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 - 017 - 0
OPERATOR WELL NO. 514674
Well Pad Name: SMI31

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, notice of the permit decision and a list of persons qualified to test water.

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

Notice is hereby given by:

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

Oil and Gas Privacy Notice:

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

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

By: Victoria Roark

Its: Permitting Supervisor

Subscribed and sworn before n 28 day of August, 2014

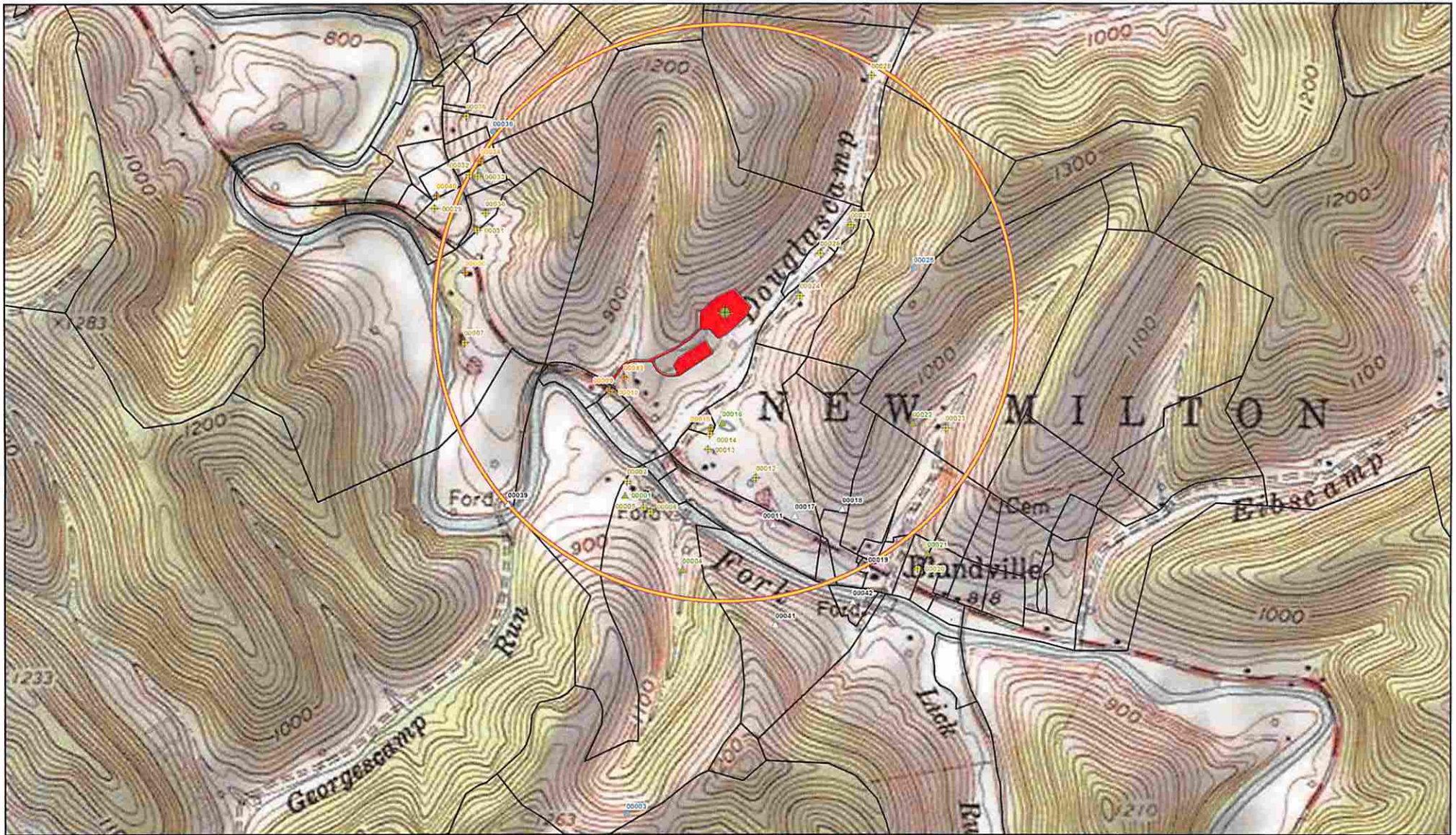
Notary Public

My Commission Expir 7/27/2018

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Nicholas L. Bumgardner
Rt. 1, Box 4
Liberty, WV 25124
My Commission Expires July 27, 2018

Received

Office of Oil and Gas
Dep't of Environmental Protection



EQT Production Company

Smithburg 31 Pad

Residential Water Supply Map

Project No: 092612019

New Milton Tax District, Doddridge County, WV

6/19/2014

Well Pad Location
Well Confirmed Not in Use
Well Location
Spring
Source Unconfirmed
Pond
2,500 ft Buffer
Well Road
Parcel Boundary

0 750 Feet
1 inch = 750 feet

EQT Where energy meets innovation.
RETTEW

Office of Oil and Gas
Environmental Protection

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Pond 1 Distance from Gas Well (feet): 1,801

Surface Owner / Occupant: George W. & Barbara B. Adrian (Parcel #3)

Address: 196 Trails End Rd., West Union, WV 26456 Phone #: 304-873-2053

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.259686, -80.721381 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Stop by anytime. Spoke to George

Site Number: Well 2 Distance from Gas Well (feet): 1,691

Surface Owner / Occupant: George W. & Barbara B. Adrian (Parcel #3)

Address: 196 Trails End Rd., West Union, WV 26456 Phone #: 304-873-2053

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.260011, -80.721370 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Stop by anytime. Spoke to George

Site Number: Pond 4 Distance from Gas Well (feet): 2,256

Surface Owner / Occupant: Timothy R & Rebecca J Clyne (Parcel #4)

Address: 274 Trails End Rd. West Union, WV 26456 Phone #: 304-873-2036

Field Located Date: 11/20/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.252103, -80.721234 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Spoke to Tim. Cannot come by until Weds afternoon 11/20/13

(Insert additional pages as needed)

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Well 5 Distance from Gas Well (feet): 1,836

Surface Owner / Occupant: Timothy R & Rebecca J Clyne (Parcel #4)

Address: 274 Trails End Rd, West Union, WV 26456 Phone #: 304-873-2036

Field Located Date: 11/20/13 Owner home during survey (yes/no): Yes

Coordinates: 39.259385, -80.720862 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Spoke to Tim. Cannot come by until Weds afternoon 11/20/13

Site Number: Well 6 Distance from Gas Well (feet): 1,848

Surface Owner / Occupant: Timothy R & Rebecca J Clyne (Parcel #4)

Address: 274 Trails End Rd, West Union, WV 26456 Phone #: 304-873-2036

Field Located Date: 11/20/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.259288, -80.720648 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Spoke to Tim. Cannot come by until Weds afternoon 11/20/13

Site Number: Well #7 Distance from Gas Well (feet): 2,257

Surface Owner / Occupant: Robert S Maxwell Et Ux (Parcel #7)

Address: 1263 Lick Run Rd, New Milton, WV 26456 Phone #: 304-873-2139

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.263260, -80.726347 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

(Insert additional pages as needed)

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Well #8 Distance from Gas Well (feet): 2,259

Surface Owner / Occupant: Robert S Maxwell Et Ux (Parcel #7)

Address: 1263 Lick Run Rd, New Milton, WV 26456 Phone #: 304-873-2139

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.264923, -80.726346 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

Site Number: Well #9 Distance from Gas Well (feet): 1,209

Surface Owner / Occupant: Anderson L & Lueva Stover (Parcel #8)

Address: 3606 Rt 185, New Milton, WV 26411 Phone #: _____

Field Located Date: 11/18/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.262180, -80.721961 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: One Contaminated Well Using water tank

Site Number: Well #10 Distance from Gas Well (feet): 1,201

Surface Owner / Occupant: Linda Cogar (Parcel #9)

Address: HC 68 Box 11AA, West Union, WV 26456 Phone #: 304-873-1293

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.262138, -80.721889 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: One Contaminated Well Using water tank

(Insert additional pages as needed)

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Source #11 Distance from Gas Well (feet): 1,882

Surface Owner / Occupant: Lillian R Bartee (Parcel #12)

Address: 3972 WV Rt 18 S, West Union WV 26456 Phone #: 304-873-1143

Field Located Date: 11/18/13 Owner home during survey (yes/no): No

Coordinates: 39.259035, -80.716942 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Coordinates provided to the dwelling

Site Number: Well #12 Distance from Gas Well (feet): 1,458

Surface Owner / Occupant: Arthur W Life Bland (Parcel #13)

Address: Off Rt. 18/Douglass Run, New Milton, WV 26411 Phone #: 304-873-1539

Field Located Date: 11/18/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.260136, -80.717455 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

Site Number: Well #13 Distance from Gas Well (feet): 1,198

Surface Owner / Occupant: Arthur W Life Bland (Parcel #13)

Address: Off Rt. 18/Douglass Run, New Milton, WV 26411 Phone #: 304-873-1539

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.260795, -80.718927 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

(Insert additional pages as needed)

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Well #14 Distance from Gas Well (feet): 1,064

Surface Owner / Occupant: Homer L & Dolores M Weekley (Parcel #14)

Address: 66 Douglas Run Rd, West Union, WV 26456 Phone #: 304-873-1741

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.261161, -80.718872 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Stop by anytime. Spoke to Dolores. Pond is currently located on Blands Property

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Site Number: Well #15 Distance from Gas Well (feet): 1,014

Surface Owner / Occupant: Homer L & Dolores M Weekley (Parcel #14)

Address: 66 Douglas Run Rd, West Union, WV 26456 Phone #: 304-873-1741

Field Located Date: 11/18/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.261296, -80.718839 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: This well inactive. Stop by anytime. Spoke to Dolores. Pond is currently located on Blands Property

Site Number: Pond #16 Distance from Gas Well (feet): 1,014

Surface Owner / Occupant: Arthur W Life Bland (Parcel #13)

Address: Off Rt. 18/Douglass Run, New Milton, WV 26411 Phone #: 304-873-1539

Field Located Date: 11/18/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.261296, -80.718839 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Stop by anytime. Spoke to Dolores. Pond is currently located on Blands Property

(Insert additional pages as needed)

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Pond #22 Distance from Gas Well (feet): 1,871

Surface Owner / Occupant: Robert C and Arlene R Bland (Parcel #25)

Address: 4101 Route 18 S, New Milton, WV 26411 Phone #: 304-873-1649

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.261495, -80.712722 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

Site Number: Well #23 Distance from Gas Well (feet): 2,142

Surface Owner / Occupant: Robert C and Arlene R Bland (Parcel #25)

Address: 4101 Route 18 S, New Milton, WV 26411 Phone #: 304-873-1649

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.261383, -80.711711 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

Site Number: Well #24 Distance from Gas Well (feet): 659

Surface Owner / Occupant: Victor J & Peggy M Smith (Parcel #27)

Address: 258 Douglas Run Rd, West Union, WV 26456 Phone #: _____

Field Located Date: 11/18/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.264486, -80.716182 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

(Insert additional pages as needed)

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Spring #25 Distance from Gas Well (feet): 1,669

Surface Owner / Occupant: James A Bland (Parcel #28)

Address: 4061 Route 18, West Union, WV 26456 Phone #: _____

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.265190, -80.712732 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Also Owns Parcel 15, 19 & 26. No additional sources

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Site Number: Well #26 Distance from Gas Well (feet): 964

Surface Owner / Occupant: David J & Candy Mullan (Parcel #30)

Address: 401 Douglas Run Rd, West Union, WV 26456 Phone #: 304-873-3105

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.265500, -80.715586 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Spoke to David 615pm any day next week between 11a and 2p

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Site Number: Well #27 Distance from Gas Well (feet): 1,317

Surface Owner / Occupant: Alicia Gawroriski (Parcel #31)

Address: HC 68 Box 13A, West Union, WV 26456 Phone #: 304-873-2318

Field Located Date: 11/18/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.266179, -80.714675 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

(Insert additional pages as needed)

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Well #28 Distance from Gas Well (feet): 2,406

Surface Owner / Occupant: Ralph Lacy Et Ux (Parcel #33)

Address: 755 Douglas Run Rd, West Union, WV 26456 Phone #: 304-873-1505

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.269748, -80.714114 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Mon and Tues is better than Weds. Spoke to Ralph 650pm

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Site Number: Well #30 Distance from Gas Well (feet): 2,229

Surface Owner / Occupant: Roger Allen & Tammy Travis (Parcel #36)

Address: HC 67 Box 9A, West Union, WV 26456 Phone #: 304-873-1338

Field Located Date: 11/18/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.266336, -80.725753 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

Site Number: Well #31 Distance from Gas Well (feet): 2,248

Surface Owner / Occupant: Roger Allen & Tammy Travis (Parcel #36)

Address: HC 67 Box 9A, West Union, WV 26456 Phone #: 304-873-1338

Field Located Date: 11/18/13 Owner home during survey (Yes/No): Yes

Coordinates: 39.265936, -80.726010 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

(Insert additional pages as needed)

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Well #32 Distance from Gas Well (feet): 2,501

Surface Owner / Occupant: Mark V & Rebecca A Miles (Parcel #37)

Address: 1755 Snowbird Rd, West Union, WV 26456 Phone #: _____

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.267261, -80.726260 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

Site Number: Well #33 Distance from Gas Well (feet): 2,431

Surface Owner / Occupant: Mark V & Rebecca A Miles (Parcel #37)

Address: 1755 Snowbird Rd, West Union, WV 26456 Phone #: _____

Field Located Date: 11/18/13 Owner home during survey (yes/no): Yes

Coordinates: 39.267220, -80.726010 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: _____

Site Number: Well #34 Distance from Gas Well (feet): 2,475

Surface Owner / Occupant: Ronnie C & Melanie J Doak (Parcel #38)

Address: 1723 Snowbird Rd, West Union, WV 26456 Phone #: 304-873-2102

Field Located Date: 11/18/13 Owner home during survey (yes/no): No

Coordinates: 39.267582, -80.725922 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Inactive. Using Miles' (Parcel #37) well

(Insert additional pages as needed)

EQT

Table 1 – Water Source Identification

EQT Well Pad Name: SMI 31 Submittal Date: 7/1/2014

EQT Well Number: 514668, 514670, 514674

Survey / Engineering Company: Rettew Associates, Inc

Site Number: Source #41 Distance from Gas Well (feet): 2,400

Surface Owner / Occupant: Denise W Donahoo (Parcel #5)

Address: RR 1 Box 2500, New Milton, WV 26411 Phone #: _____

Field Located Date: 11/18/13 Owner home during survey (Yes/No): No

Coordinates: 39.256656, -80.716790 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Lot vacant.

Site Number: Well #43 Distance from Gas Well (feet): 725

Surface Owner / Occupant: Ronald G & Donald L Barnes (Parcel #32)

Address: 181 Smith Lane, Howard, PA 16841 Phone #: _____

Field Located Date: 11/18/13 Owner home during survey (yes/no): _____

Coordinates: 39.265700, -80.719900 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: _____ 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: Well Inactive

(Insert additional pages as needed)

WW-6A3
(1/12)

Operator Well No. _____

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

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry.

Date of Notice: 4/18/2013 **Date of Planned Entry:** 4/26/2013

Delivery method pursuant to West Virginia Code § 22-6A-10(a):

[ ] PERSONAL SERVICE [x] CERTIFIED MAIL [ ] METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

[x] **SURFACE OWNER(S)**

Name: Donald L. Barnes

Address: 7761 Skyline Dr. Harrisburg, PA 17112

Name: Ronald G. Barnes

Address: 181 Smith Ln. Howard, PA 16841

Name: _____

Address: _____

[x] **COAL OWNER OR LESSEE**

Coal Declaration pursuant to §22-6A-10 and §22-6-36

Name: Not of Record

Address: _____

[x] **MINERAL OWNER(S) (EQT Lease #08016)**

Name: Donald L. Barnes

Address: 7761 Skyline Dr., Harrisburg, PA 17112

Name: Ronald G. Barnes

Address: 181 Smith Ln. Howard, PA 16841

*Please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: West Virginia
County: Doddridge
District: New Milton
Quadrangle: Smithburg

Approx. Latitude & Longitude: 39.263064 / -80.718829
Public Road Access: WV Highway 18
Watershed: Middle Island Creek
Generally Used Farm Name: Barnes

Copies of the state Erosion and Sediment Control Manual and the statues and rules related to oil and gas exploration and production 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). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: EQT Production Company
Telephone: 304-848-0094
Facsimile: 304-848-0040
Email: EQTLandEntryNotice@eqt.com

Address: 115 Professional Place, Bridgeport, WV 26330
EQT Representative: Jim Mencer
Signature: Jim Mencer

Received

Oil and Gas Privacy Notice:

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

WW-6A5
(1/12)

Operator Well No. 514674

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 8/29/2014 **Date Permit Application Filed:** 8/29/2014

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

☑ CERTIFIED MAIL RETURN RECEIPT REQUESTED ☐ HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name:	Donald L. Barnes	Name:	Ronald G. Barnes
Address:	7761 Skyline Drive	Address:	181 Smith Lane
	Harrisburg, PA 17112		Howard, PA 16841

Notice is hereby given:
Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	WV	UTM NAD 83	Easting:	524,293.800000
County:	Doddridge		Northing:	4,346,120.300000
District:	New Milton	Public Road Access:		WV - 18
Quadrangle:	New Milton 7.5'	Generally used farm name:		Barnes
Watershed:	Meathouse Fork			

This Notice Shall Include:
Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

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:	304-848-0040

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our 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.

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

4701706606

WW-6RW
(1-12)

API NO. 47 - 017 - 0
OPERATOR WELL NO. 514674
Well Pad Name: SMI31

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

WELL LOCATION RESTRICTION WAIVER

The well operator, EQT Production Company is applying for a permit from the State of West Virginia to conduct oil or gas well work. Please be advised that well work permits are valid for twenty-four (24) months.

Well Location Restrictions

Pursuant to West Virginia Code § 22-6A-12(a), 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.

EQT PRODUCTION COMPANY (TINA HAXWELL)
115 PROFESSIONAL PLACE
BRIDGEPORT, WV 26330-4509

WAIVER

I, Peggy M. Smith and Victor J. Smith hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	WV	UTM NAD 83 Easting:	524,293.84
County:	Doddridge	UTM NAD 83 Northing:	4,346,120.34
District:	New Milton	Public Road Access:	WV - 18
Quadrangle:	New Milton 7.5'	Generally used farm name:	Barnes
Watershed:	Meathouse Fork		

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials and I therefore waive all well site restrictions listed under West Virginia Code § 22-6A-12(a).

WELL SITE RESTRICTIONS BEING WAIVED	FOR EXECUTION BY A NATURAL PERSON
*Please check all that apply	Signature:
☐ EXISTING WATER WELLS	Signature:
☐ DEVELOPED SPRINGS	Print Name: Peggy M. Smith and Victor J. Smith
☑ DWELLINGS	Date: 10/21/2014
☐ AGRICULTURAL BUILDINGS	FOR EXECUTION BY A CORPORATION, ETC.
	Company:
	By:
	Its:
	Signature:
	Date:

Well Operator: EQT Production Company
By: Victoria J. Roark
Its: Permitting Supervisor

Signature:
Telephone: 304-848-0076

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARK R NEELEY
NOTARY OFFICE
EQT Production
PO Box 200
Bridgeport, WV 26330
My commission expires Aug. 24, 2022

Subscribed and sworn before me this 21st day of October 2014

My Commission Expires August 24, 2022

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 deprivacyofficer@wv.gov

Beth A Rogers
DODDRIDGE County 12:46:08 PM
Instrument No 213300
Date Recorded 10/22/2014
Document Type O&G/L
Pages Recorded 1
Book-Page 372-300
Recording Fee $5.00
Additional $6.00

RECEIVED
Office of Oil and Gas
OCT 24 2014
WV Department of
Environmental Protection

WW-6RW
(1-12)

COPY

API NO. 47- 017 -
OPERATOR WELL NO. 514674
Well Pad Name: SMI-31

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

WELL LOCATION RESTRICTION WAIVER

The well operator, EQT Production Company is applying for a permit from the State of West Virginia to conduct oil or gas well work. Please be advised that well work permits are valid for twenty-four (24) months.

Well Location Restrictions

Pursuant to West Virginia Code § 22-6A-12(a), 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.

EQT (TINA MAXWELL)
P.O. BOX 280
BRIDGEPORT, WV 26330-0280

WAIVER

I, John R. Adrian, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	West Virginia	UTM NAD 83 Easting:	
County:	Doddridge	UTM NAD 83 Northing:	
District:	New Milton	Public Road Access:	Douglas Run Road
Quadrangle:	Smithburg	Generally used farm name:	Barnes Farm
Watershed:	Meathouse Fork		

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials and I therefore waive all well site restrictions listed under West Virginia Code § 22-6A-12(a).

WELL SITE RESTRICTIONS BEING WAIVED	FOR EXECUTION BY A NATURAL PERSON
*Please check all that apply	Signature: John R. Adrian
☐ EXISTING WATER WELLS	Print Name: John R. Adrian
☐ DEVELOPED SPRINGS	Date: August 13th, 2013
☒ DWELLINGS	FOR EXECUTION BY A CORPORATION, ETC.
☐ AGRICULTURAL BUILDINGS	Company:
	By:
	Its:
	Signature:
	Date:

Beth A Rogers
DODDRIDGE County 01:47:12 PM
Instrument No 207043
Date Recorded 08/08/2014
Document Type O&G/L
Pages Recorded 1
Book-Page 361-365
Recording Fee $5.00
Additional $6.00

Well Operator: EQT Production Company
By: Vicki Roark
Its: Permitting Supervisor

Signature: Vicki Roark
Telephone: 304-848-0076

NOTARY SEAL
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
JAMIE I. BARBOUR
229 PARK BLVD.
CLARKSBURG, WV 26301
My commission expires February 24, 2016

Subscribed and sworn before me this 6th day of August, 2014

Jamie I. Barbour Notary Public

My Commission Expires 2/24/2016

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

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.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
Division of Highways
1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

Earl Ray Tomblin
Governor

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

August 11, 2014

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 SMI 31 Pad Site, Doddridge County

514666 SMI31H1	514667 SMI31H2	514668 SMI31H3
514669 SMI31H4	514670 SMI31H5	514671 SMI31H6
514672 SMI31H7	514673 OXF43H8	514674 SMI31H9
514675 SMI31H10		

Dear Mr. Martin,

This well site will be accessed from Permit #04-2014-0296 applied for by EQT Production Company for access to the State Road. The well site is located off of Route WV 18 F in Doddridge County.

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

Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

Cc: Nick Bumgardner
EQT Production Company
CH, OM, D-4,
File

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

Anticipated Frac Additives
Chemical Names and CAS numbers

Material	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

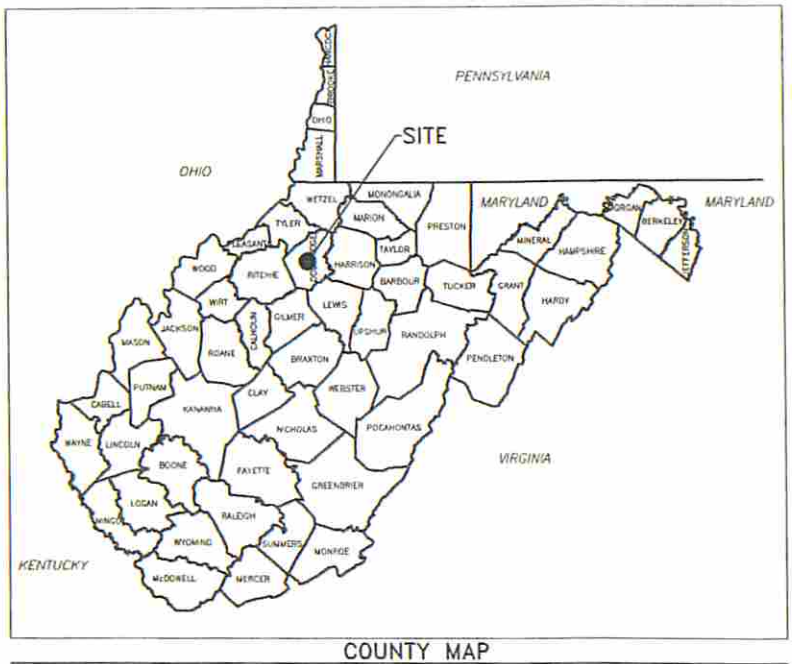
Received
Office of Oil and Gas
WV Dept. of Environmental Protection

SITE CONSTRUCTION
EROSION & SEDIME
F

SMI-31 W

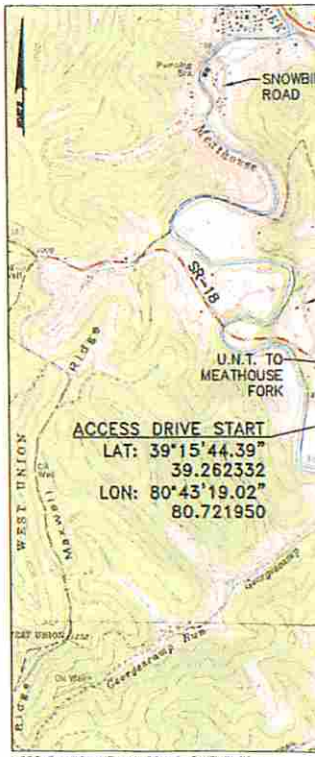
NEW MILTON TAX DISTRIC

Douglas Newlon
9-4-2014



COUNTY MAP

NOT TO SCALE



USGS QUADS: NEW MILTON & SMITHBURG, WV

WEST VIRGINIA 811

CALL BEFORE YOU DIG!

Dial 811 or 800.245.4848

Miss Utility of West Virginia

AT LEAST 48 HOURS, BUT NOT MORE THAN 10 WORKING DAYS (EXCLUDING WEEKENDS AND HOLIDAYS), PRIOR TO TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THESE ACTIVITIES SHALL CONTACT MISS UTILITY OF WEST VIRGINIA AT 811 OR 1-800-245-4848.

DESIGN PHASE TICKET # 1334090707, DATE: 12/06/2013.

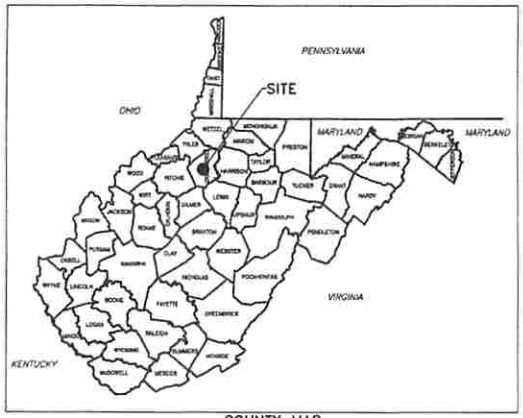
SITE CONSTRUCTION, RECLAMATION, AND EROSION & SEDIMENT CONTROL PLANS

FOR

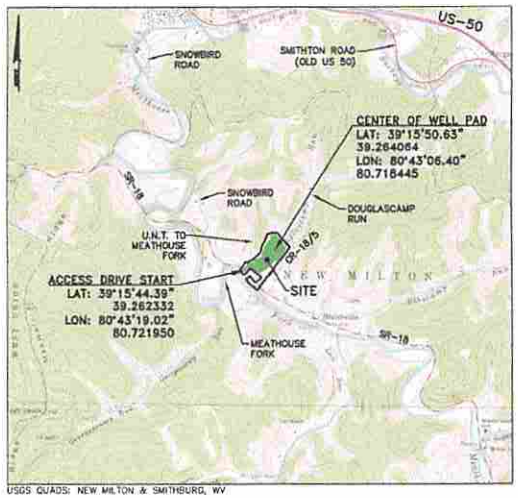
SMI-31 WELL PAD

NEW MILTON TAX DISTRICT, DODDRIDGE COUNTY, WV

Electronic version of these plans may be viewed at: Q:\OIL GAS\SAY FILES\REVIEWS



COUNTY MAP
NOT TO SCALE



USGS QUADS: NEW MILTON & SMITHBURG, WV

VICINITY MAP
SCALE - 1"=2000'

AFFECTED TAX PARCELS:

RONALD G. BARNES
BOOK 277, PAGE 653

DONALD BARNES
BOOK 227, PAGE 657

APPROVED
WVDEP OOG
11/25/2014

Updated 4/8/2015

API # 1706603
API # 1706604
API # 1706605
API # 1706606
API # 1706607

LIST OF DRAWINGS

1. . . . . COVER SHEET
2-9 . . . . . CONSTRUCTION NOTES & DETAILS
10-11. . . . . OVERALL SITE PLAN
12-13. . . . . EXISTING CONDITIONS PLAN
14-15. . . . . EROSION AND SEDIMENT CONTROL PLAN
16-17. . . . . SITE CONSTRUCTION PLAN
18-20. . . . . PROFILES AND CROSS SECTIONS
21-22. . . . . RECLAMATION PLAN

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DESIGN PHASE TICKET # 1334090707, DATE: 12/06/2013.

NO.	DATE	REVISION
2	11/18/14	PER DEP COMMENTS
1	10/22/14	PER DEP COMMENTS

FOR RETTEW ASSOCIATES BY:
SEAL: BRIAN D. SPRAY, PE, REGISTERED PROFESSIONAL ENGINEER, 20993, STATE OF WEST VIRGINIA

MANAGER: BRIAN D. SPRAY, PE
DESIGN BY: DAW | CHKD BY: CWW
DRAWN BY: DAW | CHKD BY: CWW
SURV. CREW | FIELDBOOK NO.
DRAWING REFERENCE

CLIENT: EQT
EQT CORPORATION
115 PROFESSIONAL PLACE
PROFESSIONAL BUILDING ONE
BRIDGEPORT, WEST VIRGINIA 26330
SCALE: AS NOTED

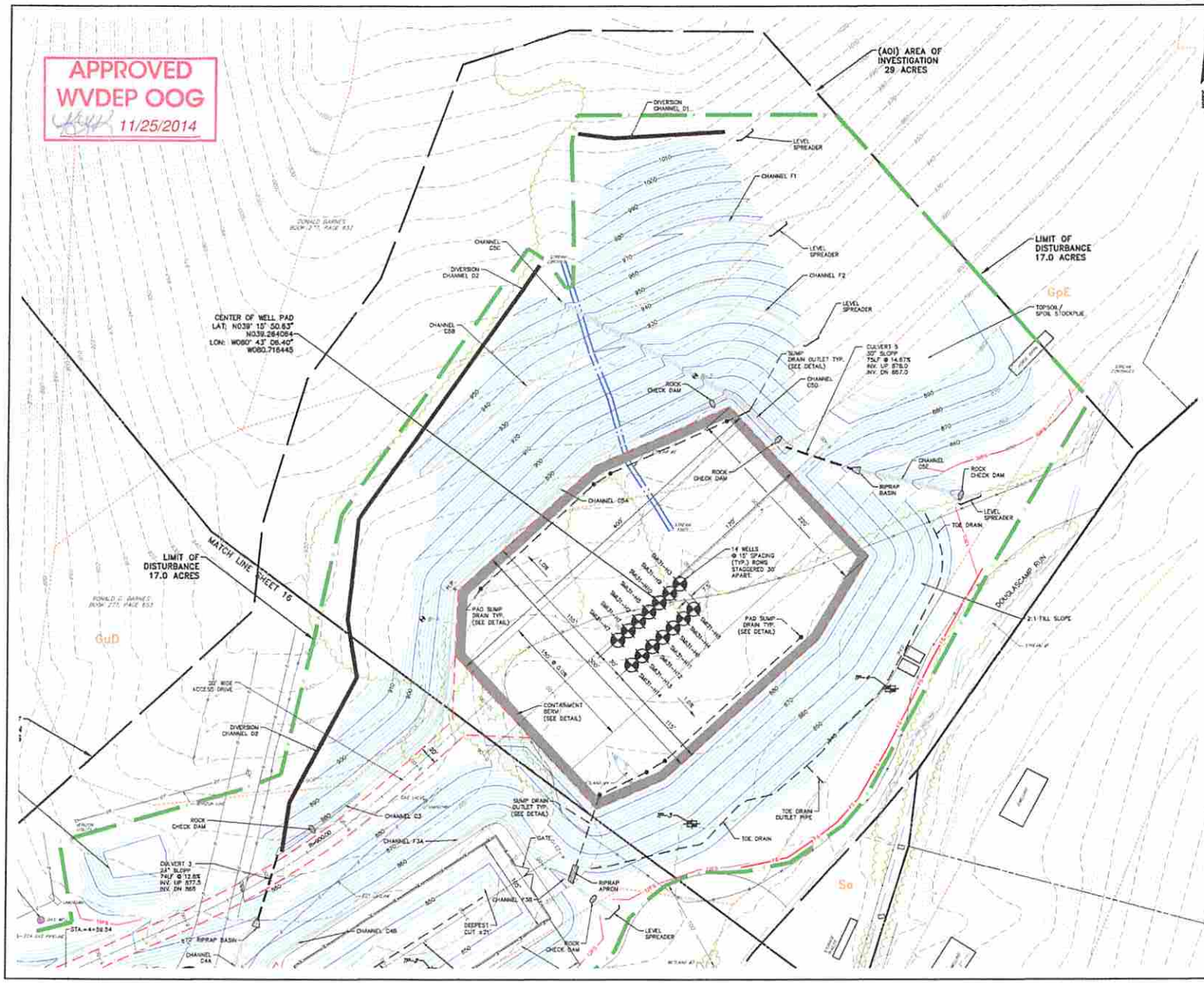
RETTEW.
RETTEW Associates, Inc.
Engineers • Planners • Surveyors • Landscape Architects
Pittsburgh, PA 15205
Tel: (412) 429-2324 Fax: (412) 429-2114
Email: mail@rettew.com
Website: www.rettew.com

COVER SHEET
FOR
SMI-31 WELL PAD
NEW MILTON TAX DISTRICT DODDRIDGE COUNTY, WV

DATE: MARCH 13, 2014
SHEET NO. 1 OF 22
DWG. NO. 092612019

NOT FOR CONSTRUCTION/NOT FOR BIDDING

APPROVED
WVDEP OOG
11/25/2014



LEGEND

- EXISTING PROPERTY LINE
- EXISTING ADJOINER LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING PAVEMENT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STREAM
- EXISTING 100-YR. FLOODPLAIN
- EXISTING FENCE
- EXISTING TREELINE
- EXISTING DECIDUOUS/EVERGREEN TREE
- EXISTING STONEWALL
- EXISTING WETLANDS
- EXISTING OVERHEAD TELEPHONE
- EXISTING U/G TELEPHONE
- EXISTING OVERHEAD ELECTRIC
- EXISTING U/G ELECTRIC
- EXISTING GAS PIPELINE
- EXISTING SANITARY LINE
- EXISTING SANITARY MANHOLE
- EXISTING STORM PIPE
- EXISTING STORM MANHOLE
- EXISTING STORM INLET
- EXISTING STORM HEADWALL/ENDWALL
- EXISTING WELL
- EXISTING TELEPHONE BOX
- EXISTING MAILBOX
- EXISTING UTILITY POLE
- EXISTING GUYWIRE/POLE
- EXISTING MONUMENT
- EXISTING IRON ROD
- EXISTING IRON PIPE
- SOIL TYPE BOUNDARY LINE
- HaD SOIL TYPE DESIGNATION
- PROPOSED GRAVEL
- PROPOSED TREELINE
- 234 PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED STORM PIPE
- PROPOSED CHANNEL LINING
- PROPOSED ORANGE CONSTRUCTION FENCE
- PROPOSED FENCE LINE
- TF12 TEMPORARY FILTER SOCK
- TF12 TEMPORARY FILTER SOCK - 12"
- TF18 TEMPORARY FILTER SOCK - 18"
- TF24 TEMPORARY FILTER SOCK - 24"
- TF32 TEMPORARY FILTER SOCK - 32"
- LIMIT OF DISTURBANCE
- (AOI) AREA OF INVESTIGATION

WELL HEAD COORDINATE TABLE

WELL HEAD #	LATITUDE	LONGITUDE
SMI31-H1	N039° 15' 50.29"	W080° 43' 08.77"
SMI31-H2	N039° 15' 50.36"	W080° 43' 08.63"
SMI31-H3	N039° 15' 50.60"	W080° 43' 08.08"
SMI31-H4	N039° 15' 50.43"	W080° 43' 08.03"
SMI31-H5	N039° 15' 50.46"	W080° 43' 08.50"
SMI31-H6	N039° 15' 50.33"	W080° 43' 08.16"
SMI31-H7	N039° 15' 50.19"	W080° 43' 08.81"
SMI31-H8	N039° 15' 50.53"	W080° 43' 05.69"
SMI31-H9	N039° 15' 50.69"	W080° 43' 05.23"
SMI31-H10	N039° 15' 50.59"	W080° 43' 06.38"
SMI31-H11	N039° 15' 50.22"	W080° 43' 06.30"
SMI31-H12	N039° 15' 50.12"	W080° 43' 06.44"
SMI31-H13	N039° 15' 50.08"	W080° 43' 06.58"
SMI31-H14	N039° 15' 49.93"	W080° 43' 06.72"

NO.	DATE	REVISION
2	11/19/14	PER DEP COMMENTS
1	10/22/14	PER DEP COMMENTS

TIM RETTEW ASSOCIATES, INC.
BRIAN D. SPRAY
STATE OF WEST VIRGINIA
20993
PROFESSIONAL ENGINEER

MANAGER: BRIAN D. SPRAY, PE
DESIGN BY: DAW
DRAWN BY: DAW
CHKD. BY: CWW
SURV. CHIEF: CWW
FIELDBOOK NO.
DRAWING REFERENCE

CLIENT
EQT
EQT CORPORATION
115 PROFESSIONAL PLACE
PROFESSIONAL BUILDING
BRIDGEPORT, WEST VIRGINIA 26330

SCALE: 0 25' 50' 100' 150' 1"=50'

RETTEW
RETTEW Associates, Inc.
3020 Ridge Pike, Collegeville Plaza, Suite 200
Pittsburgh, PA 15205
Phone: (412) 441-7228
Fax: (412) 441-7229
Website: www.rettew.com
Engineers • Planners • Surveyors • Landscape Architects

SITE CONSTRUCTION PLAN FOR SMI-31 WELL PAD

NEW MILTON TAX DISTRICT DODDRIDGE COUNTY, WV

DATE: MARCH 13, 2014

SHEET NO. 17 OF 22

DWG. NO. 092612019

NOT FOR CONSTRUCTION/NOT FOR BIDDING