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**west virginia** department of environmental protection

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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

May 12, 2015

**WELL WORK PERMIT**


**Horizontal 6A Well**

This permit, API Well Number: 47-1706691, 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: 513167  
Farm Name: WENTZ, DAVID  
**API Well Number: 47-1706691**  
**Permit Type: Horizontal 6A Well**  
Date Issued: 05/12/2015

Promoting a healthy environment.

05/15/2015

## 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

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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.



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west virginia department of environmental protection

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WVDEP Office of Oil and Gas  
601 57<sup>th</sup> Street Southeast; Charleston, WV  
(304) 926-0450

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

May 11, 2015

David McMahon  
1018 Kanawha Blvd.  
Charleston, WV 25301  
wvdavid@wvdavid.net  
304-415-4288

Re: Permit for EQT wells 513163, 513164 and 513167  
API number: 47-017-06689, 47-017-06690 and 47-017-06690

Mr. McMahon:

The Office of Oil and Gas (OOG) has reviewed your comments concerning EQT's permits for the above referenced well. The comment was sent to the operator for its response. The operator has responded and the response is enclosed for your records.

After considering your comments, the applicant's response, and the inspector's findings, the OOG has determined that the application meets the requirements set forth in Article 6A Chapter 22 of the West Virginia Code and Legislative Rule Title 35 Series 8. Consequently, the OOG is issuing the permit today. For your information and convenience, I am including with this letter a copy of the permit as issued.

As you may know, surface owners are entitled to compensation for damages to their property resulting from oil and gas drilling activity. Absent an agreement by the parties, such damage compensation may be addressed pursuant to Article 7, Chapter 22 of the West Virginia Code.

Please contact me at (304) 926-0499, if you have any questions.

Sincerely,

Ashley E. LeMasters  
WV DEP Office of Oil and Gas  
Permitting Section



4701706691

500 LEE STREET EAST • SUITE 1600 • P.O. BOX 553 • CHARLESTON, WEST VIRGINIA 25322 • TELEPHONE: 304-340-1000 • TELECOPIER: 304-340-1130  
www.jacksonkelly.com

E-mail Address: brswiger@jacksonkelly.com  
Writer's Fax No.: 304-340-1130  
Direct Dial No.: 304-340-1317

January 30, 2015

Mr. David McMahon, Esq.  
1018 Kanawha Blvd.  
Charleston, WV 25301

Re: Comments received by David McMahon, dated 12/19/14 for the proposed wells 513163(47-017-06689), 513164(06690), 513167(06691), in Grant District, Doddridge County, West Virginia.

Dear Mr. McMahon,

This letter is in regard to the comments received by you, on behalf of Beth Crowder and David Wentz, filed on December 19, 2014 on the above proposed wells in Grant District, Doddridge County, West Virginia. EQT Production Company ("EQT") wishes to respond to the concerns raised in your comments.

1. The type of fertilizer was not filled in on the WW-9 page, however; it is listed on the site plan drawings, page 16 of 16, along with a full reclamation plan. Since it was included in the permit package, there should be no consideration of another 30 day review period.
2. The comment was made that there is no written procedure for gas kick while drilling the surface hole. This scenario is not addressed in the EQT Site Specific Safety Plan because history has proven that shallow gas is not present in this area. Shallow gas was not present on the previous 9 wells drilled on this pad by EQT. However, compliant safety equipment and procedures are in place on site to handle a gas kick should it occur.
3. The new flow back pit is being constructed in the same location with the same bottom and top elevations as the original pit. Therefore; the pit is being placed in what was the original excavated earth. Any material encountered that is not original ground or previously compacted shall be re-compacted per the details in the site plan. Per the WVDEP regulations, it was required for us to remove the liner and cuttings and take to an approved site for disposal, therefore; nothing is buried.
4. With regards to the access road above David Wentz's residence, EQT will install a Jersey Barrier to address the safety issues along the road.



4701706691

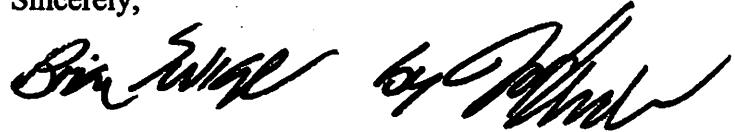
5. There has not been any Notice of Violation (NOV) issued by the WVDEP for the SMI27 pad.

In reply to items 6, 7, & 8, with regards to EQT's drilling rights, under the term of the original lease and additional related 2011 ratification, EQT has the rights to pool/unitize (any or all strata below the Tully Limestone Formation in the Middle Devonian series) with other lands or interest to create pools or units of any size and shape, not to exceed 640 acres.

EQT complies with the statutes and regulations set forth in §35-8-5 and §22-6A-8(d) and all other applicable laws and regulations. Therefore, no further conditions or requirements should be added to the permit by the WVDEP and requests that the permits be issued. Any information on this well pad, that is public information, can be obtained at the WVDEP, Charleston, WV.

If you have any further questions, please do not hesitate to contact me at (304) 340-1317.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Swiger", followed by a second, less legible signature.

Brian Swiger

cc: Mr. James Martin  
WVDEP- Office of Oil and Gas  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

17-06689  
4701706691 6690  
6691

DAVID McMAHON • ATTORNEY AT LAW

1018 Kanawha Blvd., Charleston, West Virginia 25301

Phone 304-415-4288 • Fax 810-958-6143

e-mail wvdavid@wvdavid.net

Received

December 19, 2014

DEC 22 2014

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

Office of Oil and Gas  
WV Dept. of Environmental Protection

Re: EQT applications for permits 047-017-06689, 047-0170-6690 and 047-0170-6690.  
EQT well numbers: 513163, 513164 and 513167

Dear Mr. Martin:

I represent Beth Crowder and David Wentz who are named as the surface owners in the above permit applications submitted by EQT Production Company for three horizontal Article 6A wells on existing pad SMI27 on Brush Run of Flint Run in Grant District of Doddridge County. The purpose of this letter is to submit comments for the denial or conditioning of the well work permit applications, for any related applications for inclusion under general permits, and for certificates of approval of impoundments, etc.

Please send any responses to these comment to me at the addresses above. For the sake of completeness, my clients' contact information is, for Ms. Crowder, 342 Brush Run, West Union, WV 26456, 304-873-2347; and for Mr. Wentz, 1500 Brush Run, West Union, WV 26456, 304-873-1846.

We specifically request a copy of the permits as issued or a copy of the order modifying or denying the permit be sent to me.

Our comments are numbered below:

1) On the WW-9, page 2, the type of fertilizer is not listed. The application is incomplete for this item, and when complete should trigger another 30 day review.

2) In the "Site Specific Safety Plan", in either the section "Well Work" or the section "BOP and Well Control" there is no written plan about what will be the procedure for a large gas kick while drilling the surface hole. Since there are coal seams being drilled prior to rigging up the blow out preventer, the possibility exists for there to be coalbed methane prior to cementing the surface string. The site safety plan should outline what EQT will do in such a situation. The application is incomplete for this item, and when complete should trigger another 30 day review.

3) The "SMI -27 Site Plan Modification" indicates that the "Associated Pit" is being constructed approximately 40-50 feet above the well pad. It is on the same location as a

05/15/2015

previously constructed and reclaimed pit. A reclaimed pit does not provide the proper material to build a new pit. This new pit will be constructed in fill material, if the drawings are correct and the pit is being constructed where an existing pit was built. That new pit will therefore be less stable. In addition it may be that the soil used to reclaim the old pit was mixed with cuttings and that will expose those cuttings to weather and erosion. It may also expose those cuttings to oxidation of relatively safe radioactive material in to relatively unsafe radioactive material.

4) The access road is at its steepest above a residence used from time to time by David Wentz. As the road descends from the pad and impoundment down to the public road it makes an outside turn above the residence. Two to four trucks a day carrying liquids descend that road. Half of those trucks have "HazMat" placards on them. There is potential, particularly in the winter when snow or ice cover the road, for a truck to slide off the outside of the turn and wreck above the residence with consequences of spillage down to the house if not more direct impact on the residence. EQT has recently placed a small berm on the turn, but it does not appear to have been constructed to meet the engineering standards required. The turn above the residence should have a guardrail engineered to stop a tanker truck heading down hill on icy roads if the truck fails to negotiate the turn.

5) EQT has committed some violations that may be substantial violations of the previous permit, erosion and sediment control plan, and or rules with regard to the pipeline to the pad identified above causing soil erosion etc. problem.

6) Even if the plans set out in the permit application meet the standards set pursuant to the statutes passed by the Legislature, pursuant to the rules approved by the Legislature, and pursuant to the carrying out of those statutes and rules by the Department of Environmental Protection – even if that is all true, the plans show actions upon the surface and disturbance of the surface that were not in the contemplation of the parties at the time, or times, that the lease was signed and the ownership of the surface was separated from the ownership of minerals.

7) Even if the plans set out in the permit application meet the standards set pursuant to the statutes passed by the Legislature, pursuant to the rules approved by the Legislature, and pursuant to the carrying out of those statutes and rules by the Department of Environmental Protection – even if all of that is true, the plans show that the surface owned by the David Wentz and Beth Crowder is going to be used for drilling one productive (horizontal) well bore that is at least partially not in the mineral tract underlying their surface. EQT therefore has no right to use the surface of David Wentz and Beth Crowder, or even the mineral tract underlying their surface, for the purpose of drilling that portion of the productive (horizontal) well bore that is not in the mineral tract underlying their surface lands.

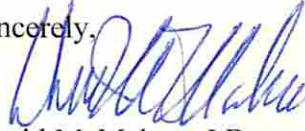
Received

DEC 22 2014

8) Even if the plans set out in the permit application meet the standards set pursuant to the statutes passed by the Legislature, pursuant to the rules approved by the Legislature, and pursuant to the carrying out of those statutes and rules by the Department of Environmental Protection – even if all of that is true, the plans show that the surface owned by the David Wentz and Beth Crowder is going to be used for drilling of two productive (horizontal) well bores that are entirely outside the mineral tract underlying their surface. EQT therefore has no right to use the surface

of David Wentz and Beth Crowder, or even the mineral tract underlying their surface, for the purpose of drilling those productive (horizontal) well bores that are outside of the mineral tract underlying their surface lands.

Sincerely,



David McMahon, J.D.

cc: David Wentz  
Beth Crowder  
Kristina Whiteaker and David Grubb

Received

DEC 22 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection



**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      30686      017      3      611  
Operator ID      County      District      Quadrangle

2) Operator's Well Number: 513167      Well Pad Name: SMI27

3) Farm Name/Surface Owner : David Wentz      Public Road Access: Rt 3/1

4) Elevation, current ground: 1,178.0      Elevation, proposed post-construction: 1,178.0

5) Well Type: (a) Gas  Oil  Underground Storage   
Other \_\_\_\_\_

(b) If Gas: Shallow  Deep

Horizontal

6) Existing Pad? Yes or No: yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thicknesses and Associated Pressure(s):  
Target formation is Marcellus at a depth of 7059 with the anticipated thickness to be 58 feet and anticipated target pressure of 2951 PSI

8) Proposed Total Vertical Depth: 7059

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 15989

11) Proposed Horizontal Leg Length 6,225

12) Approximate Fresh Water Strata Depths: 356, 456, 666, 861, 931

13) Method to Determine Fresh Water Depth: By offset wells

14) Approximate Saltwater Depths: 1,199

15) Approximate Coal Seam Depths: 299, 409, 529, 848

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: \_\_\_\_\_

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Office of Oil and Gas  
WV Dept. of Environmental Protection

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**CASING AND TUBING PROGRAM**

4701706691

18)

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill- up (Cu.Ft.)
Conductor	20	New	MC-50	81	40	40	38 C.T.S.
Fresh Water	13 3/8	New	MC-50	54.5	1,071	1,071	927 C.T.S.
Coal	-	-	-	-	-	-	-
Intermediate	9 5/8	New	A-500	40	5,327	5,327	2,091 C.T.S.
Production	5 1/2	New	P-110	20	15,989	15,989	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							

GS  
JDN

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	24	0.375	-	18	Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,730	2184	* See Note 2	1.21
Coal							
Intermediate	9 5/8	12 3/8	0.395	3,950	3160	* See Note 2	1.21
Production	5 1/2	8 1/2	0.361	12,640	10112	-	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)

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APR 27 2015

Office of Oil and Gas  
 WV Dept. of Environmental Protection

05/15/2015



4701706691

April 17, 2015

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

Re: Casing Plan on Wells (SMI27)

Dear Mr. Smith,

EQT is requesting the 13-3/8" surface casing be set at 1071' KB. This is 140' below the deepest fresh water. The previous wells drilled on this pad set the 13-3/8" casing at approximately 1019' KB. Additional casing will cover red rock encountered when drilling previous wells on pad. We will set the 9-5/8" intermediate string at 5327' KB, 100' below the base of the Benson formation.

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

Sincerely,

Vicki Roark  
Permitting Supervisor

Enc.

Received

APR 27 2015

Office of Oil and Gas  
West Virginia Department of Environmental Protection

(3/13)

4701706691

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 5610 then kick off the horizontal leg into the marcellus using a slick water frac.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%) of chemicals (including 15% Hydrochloric acid, gelling agent, gel breaker, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated 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):

3

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

no additional disturbance

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.

Office of Oil and Gas

NOV 20 2014

\*Note: Attach additional sheets as needed.





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Office of Oil and Gas  
601 57<sup>th</sup> 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  
Environmental Resources Specialist / Permitting

Promoting a healthy environment.

Received  
Office of Oil & Gas  
NOV 20 2014

05/15/2015



4701706691

west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
(304) 926-0450  
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Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
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**BEFORE THE OFFICE OF OIL AND GAS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATE OF WEST VIRGINIA**

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

**REPORT OF THE OFFICE**

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

**FINDINGS OF FACT**

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

Promoting a healthy environment.

Received  
Office of Oil & Gas  
NOV 20 2014

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**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.

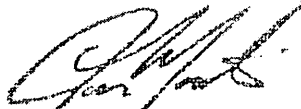
**ORDER**

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 & Gas

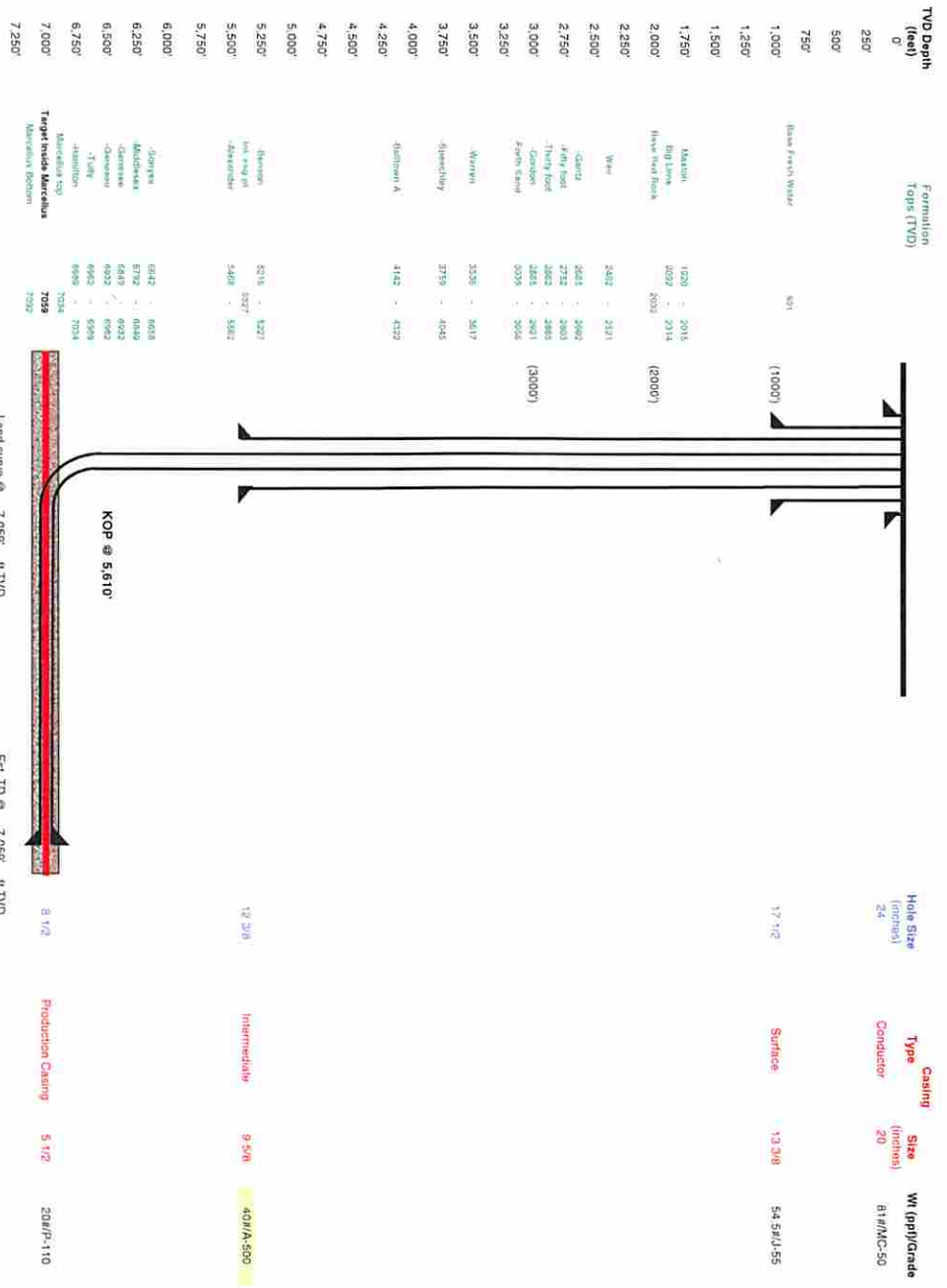
NOV 20 2014

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4701706691

Well 513167 (SM27H6)  
 EOR Production  
 Smithburg  
 Doddridge  
 West Virginia

Ashtun 155  
 Vertical Section 8228



Proposed Well Work:  
 Drill and complete a new horizontal well in the Marcellus formation.  
 The vertical well to go down to an approximate depth of 5,610'.  
 Then kick off the horizontal leg into the Marcellus using a slick water frac.

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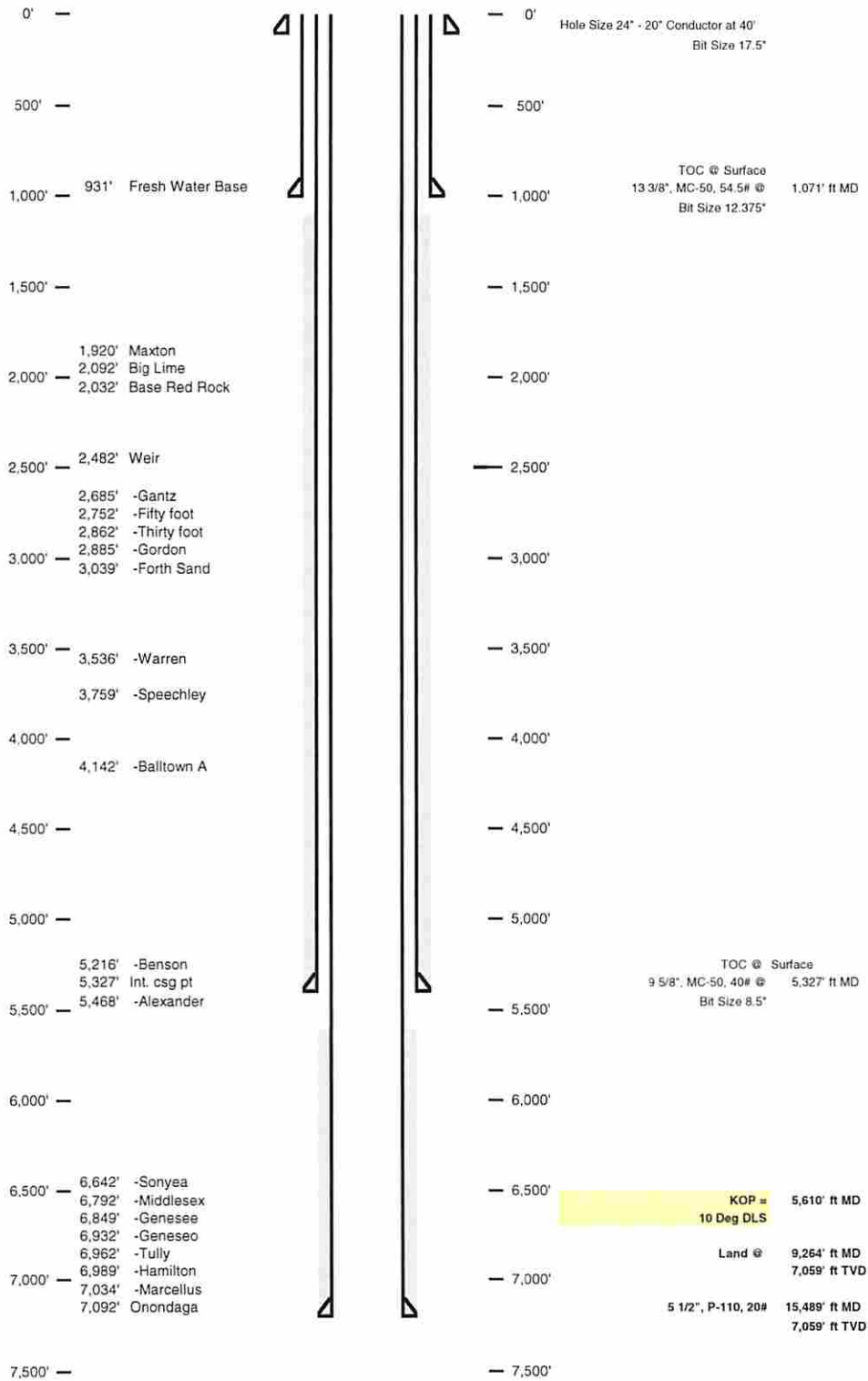
4701706691

Well Schematic  
EQT Production

Well Name: 513167 (SM127H6)  
County: Doddridge  
State: West Virginia

Elevation KB:  
Target  
Prospect  
Azimuth  
Vertical Section

1191
Marcellus
155
8228



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Proposed Revegetation Treatment: Acres Disturbed 3 Prevegetation pH 6.4

Lime 3 Tons/acre or to correct to pH 6.5

Fertilize type \_\_\_\_\_

Fertilizer Amount 13 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

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

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: Maintain RFS to WV Dep regulations

Title: Oil & Gas Inspector Date: 11-29-2014

Field Reviewed? (   ✓   ) Yes (        ) No

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DEC 03 2014

WV Department of  
Environmental Protection  
**05/15/2015**

**EQT Production Water plan**  
**Offsite disposals for Marcellus wells**

4701706691

**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

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Office of Oil & Gas

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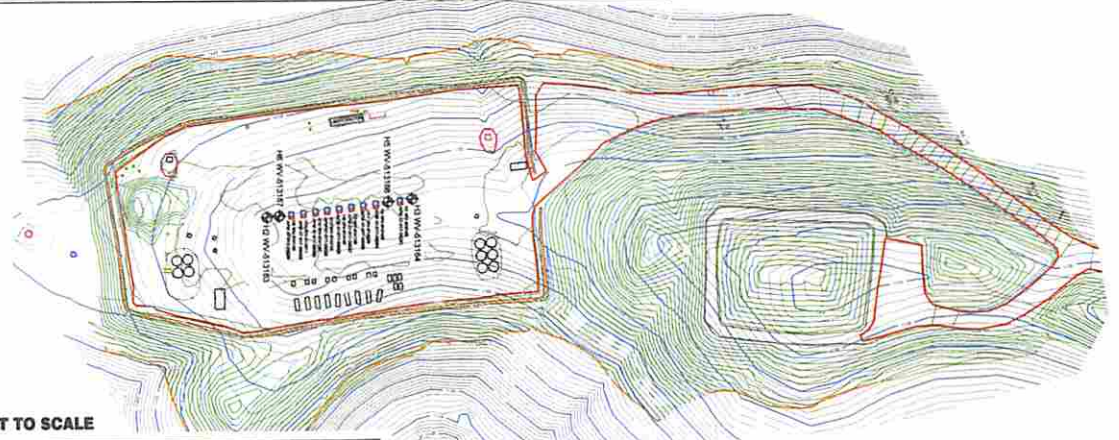


# CARR LEASE LEASE SMI27 WELL NO.S WV 513163, WV 513164, WV WV 513166 & WV 513167

4701706691



Detail Sketch for Proposed SMI27 Well No.s WV 513163, WV 513164, WV 513166 & WV 513167



NOT TO SCALE

**Professional Energy Consultants**  
A DIVISION OF SMITHLAND SURVEYING, INC.

**SLS**  
SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.

(204) 457-8634  
WWW.SLSURVEYS.COM

DRAWN BY K.D.W.	FILE NO. 7584	DATE 10-22-14	CADD FILE: 7584ABREC-R.dwg
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TOPO SECTIONS OF SMITHBURG 7.5'  
TOPO QUADRANGLE

NOTE: SEE SITE PLAN SMI27 FOR COMPLETE CONSTRUCTION & EROSION & SEDIMENT CONTROL DETAILS.

Received  
Office of Oil & Gas  
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Where energy meets innovation.™


# Site Specific Safety Plan

EQT SMI 27 Pad

West Union  
Doddridge County, WV

For Wells:

513163 513164 513167 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
EQT Production

  
\_\_\_\_\_  
Permitting Supervisor  
Title

11-10-14  
\_\_\_\_\_  
Date

Date Prepared:

October 23, 2014

  
\_\_\_\_\_  
WV Oil and Gas Inspector

\_\_\_\_\_  
Title

11-23-2014  
\_\_\_\_\_  
Date

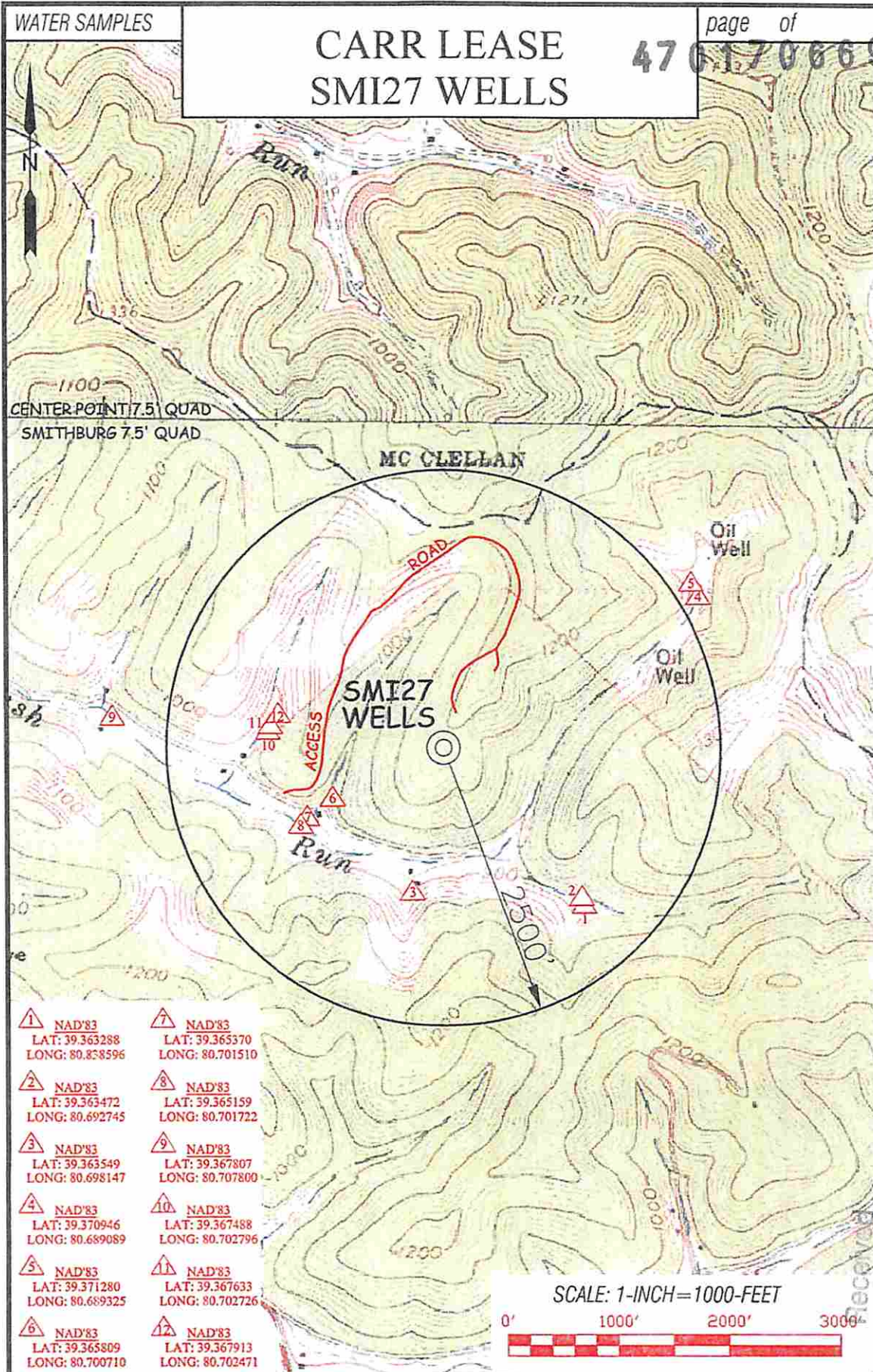
RECEIVED  
Office of Oil and Gas

DEC 03 2014

WV Department of  
Environmental Protection **05/15/2015**



# CARR LEASE SMI27 WELLS



- |   |  |
|---|--|
| 1 NAD'83<br>LAT: 39.363288<br>LONG: 80.858596 | 7 NAD'83<br>LAT: 39.365370<br>LONG: 80.701510  |
| 2 NAD'83<br>LAT: 39.363472<br>LONG: 80.692745 | 8 NAD'83<br>LAT: 39.365159<br>LONG: 80.701722  |
| 3 NAD'83<br>LAT: 39.363549<br>LONG: 80.698147 | 9 NAD'83<br>LAT: 39.367807<br>LONG: 80.707800  |
| 4 NAD'83<br>LAT: 39.370946<br>LONG: 80.689089 | 10 NAD'83<br>LAT: 39.367488<br>LONG: 80.702796 |
| 5 NAD'83<br>LAT: 39.371280<br>LONG: 80.689325 | 11 NAD'83<br>LAT: 39.367633<br>LONG: 80.702726 |
| 6 NAD'83<br>LAT: 39.365809<br>LONG: 80.700710 | 12 NAD'83<br>LAT: 39.367913<br>LONG: 80.702471 |

SCALE: 1-INCH=1000-FEET



**Professional Energy Consultants**  
A DIVISION OF S&L LAND SURVEYING, INC.  
**S&L**  
SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.

DRAWN BY: K.D.W. FILE NO: 7584 DATE: 11/07/14 CADD FILE: 7584ENC2427.dwg

TOPO SECTIONS OF:  
SMITHBURG, WV 7.5' &  
CENER POINT, WV 7.5' QUADS

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
GRANT	DODDRIDGE	06-15

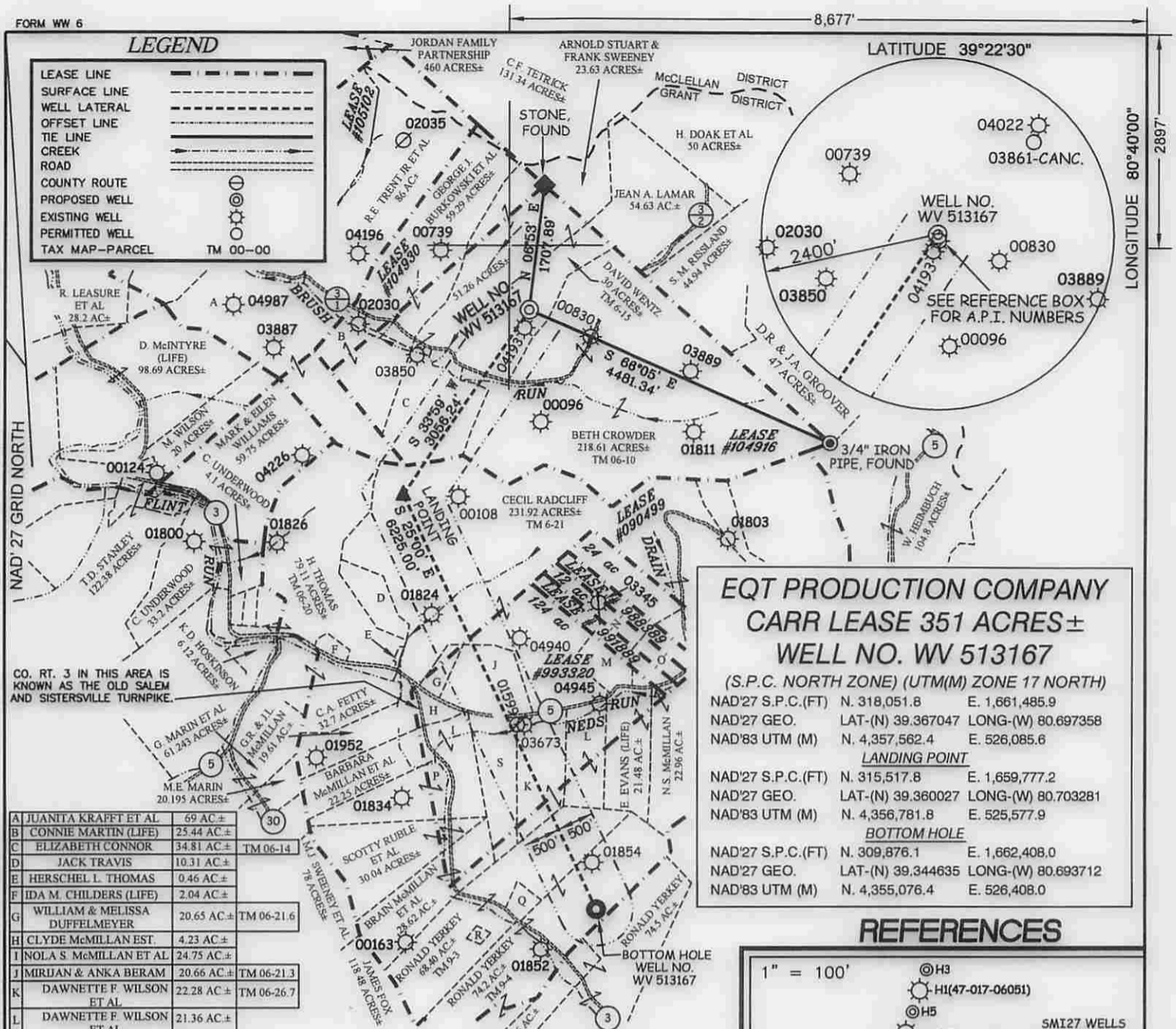
OPERATOR:  
EQT PRODUCTION COMPANY  
115 PROFESSIONAL PLACE  
P.O. BOX 280  
BRIDGEPORT, WV 26330

Office of Oil & Gas  
NOV 20 2014  
05/15/2015



LEGEND

LEASE LINE	---
SURFACE LINE	---
WELL LATERAL	---
OFFSET LINE	---
TIE LINE	---
CREEK	---
ROAD	---
COUNTY ROUTE	---
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP-PARCEL	TM 00-00



LATITUDE 39°22'30"

LONGITUDE 80°40'00"

NAD'27 GRID NORTH

CO. RT. 3 IN THIS AREA IS KNOWN AS THE OLD SALEM AND SISTERSVILLE TURNPIKE.

**EQT PRODUCTION COMPANY  
CARR LEASE 351 ACRES±  
WELL NO. WV 513167**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT)	N. 318,051.8	E. 1,661,485.9
NAD'27 GEO.	LAT-(N) 39.367047	LONG-(W) 80.697358
NAD'83 UTM (M)	N. 4,357,562.4	E. 526,085.6
LANDING POINT		
NAD'27 S.P.C.(FT)	N. 315,517.8	E. 1,659,777.2
NAD'27 GEO.	LAT-(N) 39.360027	LONG-(W) 80.703281
NAD'83 UTM (M)	N. 4,356,781.8	E. 525,577.9
BOTTOM HOLE		
NAD'27 S.P.C.(FT)	N. 309,876.1	E. 1,662,408.0
NAD'27 GEO.	LAT-(N) 39.344635	LONG-(W) 80.697312
NAD'83 UTM (M)	N. 4,355,076.4	E. 526,408.0

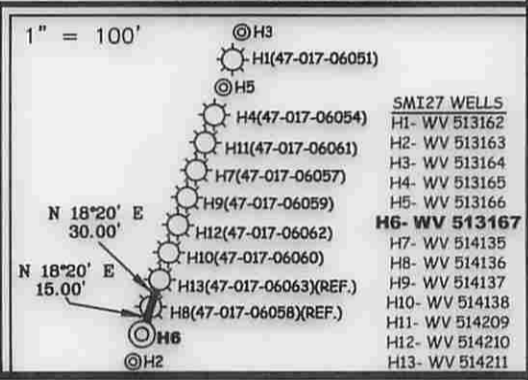
A	JUANITA KRAPP ET AL	69 AC±	
B	CONNIE MARTIN (LIFE)	25.44 AC±	
C	ELIZABETH CONNOR	34.81 AC±	TM 06-14
D	JACK TRAVIS	10.31 AC±	
E	HERSCHEL L. THOMAS	0.46 AC±	
F	IDA M. CHILDERS (LIFE)	2.04 AC±	
G	WILLIAM & MELISSA DUFFELMEYER	20.65 AC±	TM 06-21.6
H	CLYDE McMILLAN EST.	4.23 AC±	
I	NOLA S. McMILLAN ET AL	24.75 AC±	
J	MIRJAN & ANKA BERAM	20.66 AC±	TM 06-21.3
K	DAWNETTE F. WILSON ET AL	22.28 AC±	TM 06-26.7
L	DAWNETTE F. WILSON ET AL	21.36 AC±	
M	MIRJANA BERAM	9.571 AC±	
N	CAROL IRWIN ET AL	8.047 AC±	
O	CAROL IRWIN ET AL	15.128 AC±	
P	JOHN A. McMILLAN	19 AC±	
Q	GLENDIA J. LAMBERT	4 AC±	
R	ANNA M. MORGAN	1 AC±	
S	RICHARD C. McMILLAN	22.94 AC±	TM 09-08

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.

ROYALTY OWNERS		
NEVA RITTER ET AL	907 AC±	LEASE NO. 090499
EDISON RITTER ET AL	180 AC±	LEASE NO. 993320

REFERENCES



**Professional Energy Consultants**  
A DIVISION OF SMITH LAND SURVEYING, INC.

2041 462-6634 WWW.SLSURVEYS.COM



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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*

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

DATE JULY 26 20 11

REVISED 08/02/11, 09/23/11, 09/23/11, 10/12/11, 01/28/13, 10/09/13, 10/10/14 & 10/22/14

OPERATORS WELL NO. WV 513167

API WELL NO. 47-17-06091

STATE 47 COUNTY 17 PERMIT 06091

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7584P513167R5

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

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

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,178' (EXISTING PAD) WATERSHED BRUSH RUN OF FLINT RUN

DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'

SURFACE OWNER DAVID WENTZ ACREAGE 30±

ROYALTY OWNER PATTY J. & R. KEITH CRIHFIELD ACREAGE 351±

PROPOSED WORK: LEASE NO. 104916

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  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 TVD 7,034'

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

COUNTY NAME PERMIT

05/15/2015



4701706691

WW-6A1  
(5/13)

Operator's Well No. \_\_\_\_\_

513167

47-017-06691

**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
<b>Lease 104916</b>			<b>1/8 min pd</b>	
	Joseph L. Carr, et ux	T. B. Hamilton		LB19/140
	T. B. Hamilton	The Philadelphia Co. of West Virginia		LB24/286
	The Philadelphia Co. of West Virginia	Pittsburgh & West Virginia Gas Co.		LB87/90
	Pittsburgh & West Virginia Gas Co.	Equitable Gas Company		DB121/303
	Equitable Gas Company	Equitrans, Inc.		DB154/475
	Equitrans, Inc.	Equitable Production-Eastern States, Inc.		DB192/19
	Equitable Production-Eastern States, Inc.	Equitable Production Company		CB281/346
	Equitable Production Company	EQT Production Company		CB281/346
<b>Lease 090499</b>			<b>1/8 min pd</b>	
	Margaret J. & Martha A. McMillan	Hope Natural Gas Co.		LB25/354
	Hope Natural Gas Co.	Consolidated Gas Supply		DB143/345
	Consolidated Gas Supply	Ensource Inc.		LB124/54
	Ensource Inc.	UMC Petroleum		DB211/691
	UMC Petroleum	Ashland Exploration		DB227/252
	Ashland Exploration	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
<b>Lease 993320</b>			<b>1/8 min pd</b>	
	Edison E. Ritter, et al	Consolidated Gas Supply Corp.		LB94/236
	Consolidated Gas Supply Corp.	Consolidated Gas Transmission Corp.		LB135/583
	Consolidated Gas Transmission Corp.	CNG Development Co.		LB139/41
	CNG Development Co.	CNG Producing Co.		CB1096/124 (Delaware)
	CNG Producing Co.	Dominion Exploration & Production, Inc.		CB82/07 (Delaware)
	Dominion Exploration & Production, Inc.	Antero Resources Appalachian Corp.		LB230/113
	Antero Resources Appalachian Corp.	EQT Production Co.		LB293/239

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.

received

APR 27 2015

Office of Oil and Gas

05/15/2015




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

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

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

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

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

Received

APR 27 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

4701706691

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

Date of Notice Certification: NOV 19 2014

API No. 47 - 017 - 0  
Operator's Well No. 513167  
Well Pad Name: SMI27

**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:	<u>WV</u>	UTM NAD 83 Easting:	<u>526,085.60</u>
County:	<u>Doddridge</u>	UTM NAD 83 Northing:	<u>4,357,562.40</u>
District:	<u>Grant</u>	Public Road Access:	<u>Rt 3/1</u>
Quadrangle:	<u>Smithburg 7.5</u>	Generally used farm name:	<u>David Wentz</u>
Watershed:	<u>Brush Run of Flint Run</u>		

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.

<p>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:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input type="checkbox"/> NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED OR</p> <p><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> NOTICE OF APPLICATION</p>	<p><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
---	---

Received  
Office of Oil & Gas  
NOV 20 2014

**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.

05/15/2015

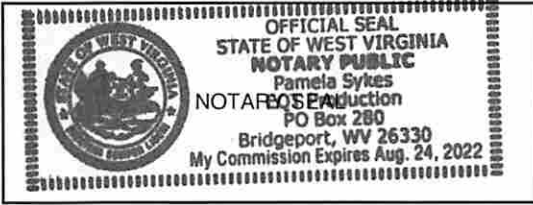
4701706691

**Certification of Notice is hereby given:**

THEREFORE, I *Victoria J. Roark*, 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  
By: Victoria J. Roark  
Its: Permitting Supervisor  
Telephone: 304-848-0076

Address: P.O. Box 280  
Bridgeport, WV 26330  
Facsimile: 304-848-0040  
Email: vroark@eqt.com



Subscribed and sworn before me this 11 day of Nov., 2014

*Pamela Sykes* Notary Public

My Commission Expires 8.24.22

**Oil and Gas Privacy Notice:**

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

Received  
Office of Oil & Gas  
NOV 20 2014



47 01706691

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: 11-19-14 Date Permit Application Filed: 11-19-14

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: Beth Crowder  
Address: 800 Brush Run Road  
West Union WV 26456

Name: David Wentz  
Address: 342 Brush Run Road  
West Union WV 26456

SURFACE OWNERS(s) (Road and/or Other Disturbance)  
Name: David Wentz  
Address: 342 Brush Run Road  
West Union WV 26456

Name: Roy E Trent Jr  
Address: 11725 Waples Mill Road  
Oakton VA 22124  
see attached

SURFACE OWNER(s) (Impoundments/Pits)  
Name: Roy E Trent Jr  
Address: 11725 Waples Mill Road  
Oakton VA 22124  
see attached

COAL OWNER OR LESSEE  
Name: Patty Crihfield & R Keith Crihfield  
Address: P.O. Box 987  
Spencer WV 25276  
0

COAL OPERATOR  
Name: 0  
Address: 0  
0  
0

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Beth Crowder  
Address: 1500 Brush Run Rd  
West Union, WV 26456  
0

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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\*Please attach additional forms if necessary

**Additional Surface Owners: Access Road**

Barbara Jean Durham  
115 Brooks Glen  
Roswell, GA 30075

George J Bukowski  
Elizabeth A Bradford  
11458 Fruitwood Way  
Germantown, MD 20876

Arnold Stuart  
2187 N Sumack Circle  
Cedar City UT 84720

Michael J Sweeney  
23 Cheyenne Drive  
Chillicothe OH 45601

David L Sweeney  
12101 Pebblepointe Pass  
Carmel IN 46033

Robert J Wells  
1184 Hartley Street  
Macon GA 31206

Stephen R Wells  
4030 Manning Hollow Road  
Pegram TN 37143

Almaden K Margerum Nobis  
PO Box 566  
Bloommfield, NM 87413

John C Sweeney  
1145 Federal Ave  
Zanesville, OH 43701

Jeffery E Sweeney  
5015 Foxfire Dr  
Zanesville, OH 43701

Benjamin D Smith  
929 Sevall Street  
Zanesville, OH 43701

Rico Sweeney  
929 Sevall Street  
Zanesville, OH 43701

Cheryl K Ankrum  
499 Grandview Dr  
Zanesville, OH 43701

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**Additional Surface Owners: Access Road**

Norma C Anderson  
23 Village Green Ct  
Crooksville, OH 43731

Connie Diane King  
3060 Sebaugh Drive  
Zanesville, OH 43701

Terry W Sweeney  
191 Williams Ave  
Wellsville NY 14895

Debra Leigh Sweeney Raymer  
2072 Elk Run Road  
Gaines PA 16921

Charles Ralph Sweeney  
41 Peaceful Pines Circle  
Farmington NH 03535

Judith D Teagardner  
C/O Michael Teagardner  
6639 Lancaster Newark Road NE  
Baltimore, OH 43105

Troy Bowles  
4130 Drenkle Road  
Amanda OH 43102

Leslie S LeRoy  
127 Dale Hollow Drive  
Georgetown, KY 40324

**Additional Surface Owners: Pits/Impoundment**

Barbara Jean Durham  
115 Brooks Glen  
Roswell, GA 30075

George J Bukowski  
Elizabeth A Bradford  
11458 Fruitwood Way  
Germantown, MD 20876

**Additional Water Purveyors:**

David Wentz  
342 Brush Run Rd  
West Union, WV 26456

Elizabeth Bradford  
11458 Fruitwood Way  
Germantown MD 20876

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**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](http://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

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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.

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**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

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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.

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**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.

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Notice is hereby given by:

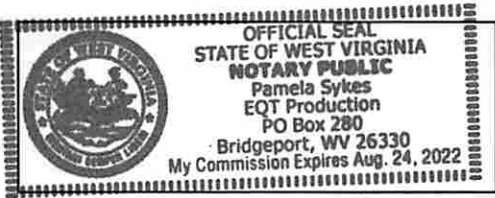
Well Operator: EQT Production Company  
Telephone: 304-848-0082  
Email: Vroark@egt.com

Address: 115 Professional Place P.O. Box 280  
Bridgeport, WV 26330  
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](mailto: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.



*Victoria Roark*  
By: Victoria Roark  
Its: Permitting Supervisor

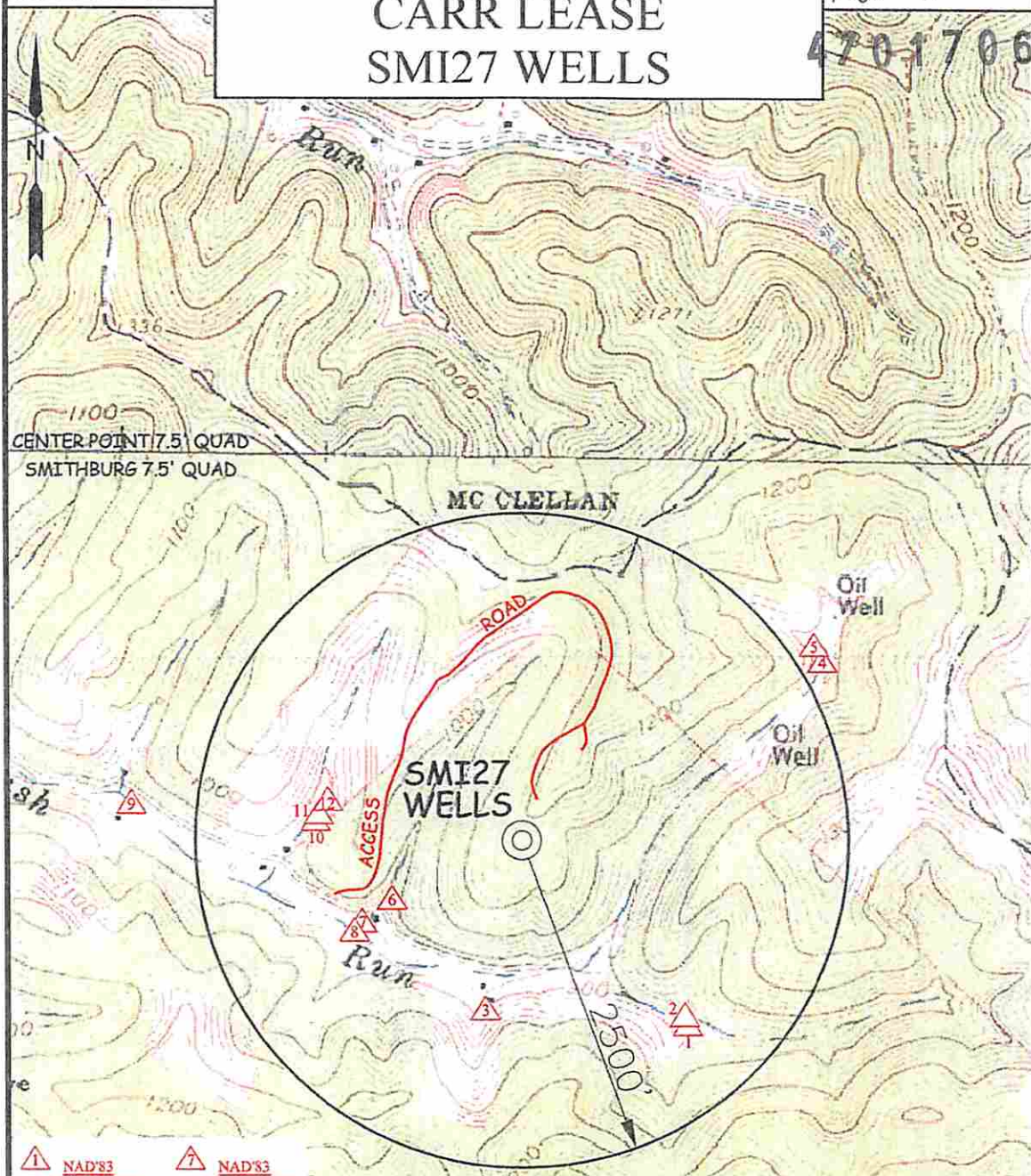
Subscribed and sworn before on 11 day of Nov., 2014  
*Pamela Sykes* Notary Public  
My Commission Expires 8-24-22

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# CARR LEASE SMI27 WELLS

470-1706691



- |   |   |
|---|---|
| ① NAD'83<br>LAT: 39.363288<br>LONG: 80.838596 | ⑦ NAD'83<br>LAT: 39.365370<br>LONG: 80.701510 |
| ② NAD'83<br>LAT: 39.363472<br>LONG: 80.692745 | ⑧ NAD'83<br>LAT: 39.365159<br>LONG: 80.701722 |
| ③ NAD'83<br>LAT: 39.363549<br>LONG: 80.698147 | ⑨ NAD'83<br>LAT: 39.367807<br>LONG: 80.707809 |
| ④ NAD'83<br>LAT: 39.370946<br>LONG: 80.689089 | ⑩ NAD'83<br>LAT: 39.367488<br>LONG: 80.702796 |
| ⑤ NAD'83<br>LAT: 39.371280<br>LONG: 80.689325 | ⑪ NAD'83<br>LAT: 39.367633<br>LONG: 80.702726 |
| ⑥ NAD'83<br>LAT: 39.365809<br>LONG: 80.700710 | ⑫ NAD'83<br>LAT: 39.367913<br>LONG: 80.702471 |

SCALE: 1-INCH=1000-FEET



**Professional Energy Consultants**  
A subsidiary of SLS Energy Services, Inc.

**SLS**  
SUSSEYVILLE ENGINEERS ENVIRONMENTAL PROJECT MGMT.

DRAWN BY: K.D.W. FILE NO: 7584 DATE: 11/07/14 CADD FILE: 7584R20427.dwg

TOPO SECTIONS OF:  
SMITHBURG, WV 7.5' &  
CENER POINT, WV 7.5' QUADS

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
GRANT	DODDRIDGE	06-15

OPERATOR:  
EQT PRODUCTION COMPANY  
115 PROFESSIONAL PLACE  
P.O. BOX 280  
BRIDGEPORT, WV 26330

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SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

(304) 462-5634 • FAX 462-5656

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WELL INFORMATION AND POTENTIAL WATER WELL SAMPLE DATA SHEET

OPERATOR: EQT Production Company
LEASE NAME AND NUMBER: SMI-27 Well Pad

COMMENTS

The initial field and/or mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 2500' of the proposed well site. (For location of each site see attached area map.)

INDIVIDUAL CONTACTED OR NOTIFIED

Site: 1 Spacing 1885' Owner/Occupant: Beth Crowder
Address: 1500 Brush run RD. West Union, WV 26456 Ph: (304)-873-2347
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Pond
If No, declined by who Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14
Comments: Tax Map 6, Parcel 10
Lat: 39.363288
long: 80.838596

Site: 2 Spacing 1820' Owner/Occupant: Beth Crowder
Address: 1500 Brush run RD. West Union, WV 26456 Ph: (304)-873-2347
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Water Well
If No, declined by who Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14
Comments: Tax Map 6, Parcel 10
Lat: 39.363472
long: 80.692745

Site: 3 Spacing 1320' Owner/Occupant: Beth Crowder
Address: 1500 Brush run RD. West Union, WV 26456 Ph: (304)-873-2347
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Spring
If No, declined by who Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14
Comments: Tax Map 6, Parcel 10
Lat: 39.363549
long: 80.698147

Site: 4 Spacing 2690' Owner/Occupant: Jean Lamar
Address: 2025 Brush run RD. West Union, WV 26456 Ph: (304)-873-2914
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Water Well
If No, declined by who Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14
Comments: Tax Map 3, Parcel 2
Lat: 39.370946
long: 80.689089

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Site: 5 Spacing 2700' Owner/Occupant: Jean Lamar  
Address: 2025 Brush run RD. West Union, WV 26456 Ph: (304)-873-2914  
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Pond  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14  
Comments: Tax Map 3, Parcel 2  
Lat: 39.371280  
long: 80.689325

Site: 6 Spacing 1090' Owner/Occupant: David Wentz  
Address: 342 Brush run RD. West Union, WV 26456 Ph: (304)-873-1846  
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Water Well  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14  
Comments: Tax Map 6, Parcel 9  
Lat: 39.365809  
long: 80.700710

Site: 7 Spacing 1370' Owner/Occupant: David Wentz  
Address: 342 Brush run RD. West Union, WV 26456 Ph: (304)-873-1846  
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Pond  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14  
Comments: Tax Map 6, Parcel 9  
Lat: 39.365370  
long: 80.701510

Site: 8 Spacing 1460' Owner/Occupant: David Wentz  
Address: 342 Brush run RD. West Union, WV 26456 Ph: (304)-873-1846  
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Creek  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14  
Comments: Tax Map 6, Parcel 9  
Lat: 39.365159  
long: 80.701722

Site: 9 Spacing 3010' Owner/Occupant: Juanita Krafft  
Address: 726 Brush run RD. West Union, WV 26456 Ph: \_\_\_\_\_  
Field Contact Date: 10-30-14 Located: Yes Date Located: 10-30-14 Source: Water Well  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 10-15-14  
Comments: Tax Map 6, Parcel 7  
Lat: 39.367807  
long: 80.707800

Site: 10 Spacing 1590' Owner/Occupant: Elizabeth Bradford  
Address: 11458 Fruitwood way, Germantown, MD 20876 Ph: (240)-813-5798  
Field Contact Date: 11-05-10 Located: Yes Date Located: 11-05-10 Source: Pond  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st 10-30-14 2nd 11-05-10 Certified (3rd) 10-15-14  
Comments: Tax Map 6, Parcel 4.2  
Lat: 39.367488  
long: 80.702796

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Site: 11 Spacing 1575' Owner/Occupant: Elizabeth Bradford  
Address: 11458 Fruitwood way, Germantown, MD 20876 Ph: (240)-813-5798  
Field Contact Date: 11-05-10 Located: Yes Date Located: 11-05-10 Source: Creek  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st 10-30-14 2nd 11-05-10 Certified (3rd) 10-15-14  
Comments: Tax Map 6, Parcel 4.2  
Lat: 39.367633  
long: 80.702726

Site: 12 Spacing 1520' Owner/Occupant: Elizabeth Bradford  
Address: 11458 Fruitwood way, Germantown, MD 20876 Ph: (240)-813-5798  
Field Contact Date: 11-05-10 Located: Yes Date Located: 11-05-10 Source: Water Well  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st 10-30-14 2nd 11-05-10 Certified (3rd) 10-15-14  
Comments: Tax Map 6, Parcel 4.2  
Lat: 39.367913  
long: 80.702471

Site: 13 Spacing \_\_\_\_\_ Owner/Occupant: \_\_\_\_\_  
Address: \_\_\_\_\_ Ph: \_\_\_\_\_  
Field Contact Date: \_\_\_\_\_ Located: \_\_\_\_\_ Date Located: \_\_\_\_\_ Source: \_\_\_\_\_  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st \_\_\_\_\_ 2nd \_\_\_\_\_ Certified (3rd) \_\_\_\_\_  
Comments: \_\_\_\_\_

Site: 14 Spacing \_\_\_\_\_ Owner/Occupant: \_\_\_\_\_  
Address: \_\_\_\_\_ Ph: \_\_\_\_\_  
Field Contact Date: \_\_\_\_\_ Located: \_\_\_\_\_ Date Located: \_\_\_\_\_ Source: \_\_\_\_\_  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st \_\_\_\_\_ 2nd \_\_\_\_\_ Certified (3rd) \_\_\_\_\_  
Comments: \_\_\_\_\_

Site: 15 Spacing \_\_\_\_\_ Owner/Occupant: \_\_\_\_\_  
Address: \_\_\_\_\_ Ph: \_\_\_\_\_  
Field Contact Date: \_\_\_\_\_ Located: \_\_\_\_\_ Date Located: \_\_\_\_\_ Source: \_\_\_\_\_  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st \_\_\_\_\_ 2nd \_\_\_\_\_ Certified (3rd) \_\_\_\_\_  
Comments: \_\_\_\_\_

Site: 16 Spacing \_\_\_\_\_ Owner/Occupant: \_\_\_\_\_  
Address: \_\_\_\_\_ Ph: \_\_\_\_\_  
Field Contact Date: \_\_\_\_\_ Located: \_\_\_\_\_ Date Located: \_\_\_\_\_ Source: \_\_\_\_\_  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st \_\_\_\_\_ 2nd \_\_\_\_\_ Certified (3rd) \_\_\_\_\_  
Comments: \_\_\_\_\_

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

4701706691

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

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

**Date of Notice:** OCT 24 2014 **Date Permit Application Filed:** NOV 02 2014

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

- HAND DELIVERY
- CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

**Notice is hereby provided to the SURFACE OWNER(s):**

Name: Beth Crowder  
Address: 800 Brush Run Road  
West Union WV 26456

Name: David Wentz  
Address: 342 Brush Run Road  
West Union, WV 26456

Received  
Office of Oil & Gas  
NOV 20 2014

**Notice is hereby given:**

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State: <u>WV</u>	UTM NAD 83	Easting: <u>526,085.60</u>
County: <u>Doddridge</u>		Northing: <u>4,357,562.40</u>
District: <u>Grant</u>		Public Road Access: <u>Rt 3/1</u>
Quadrangle: <u>Smithburg 7.5</u>		Generally used farm name: <u>David Wentz</u>
Watershed: <u>Brush Run of Flint Run</u>		

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

**Notice is hereby given by:**

Well Operator: EQT Production Company  
Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
Telephone: 304-848-0076  
Email: vroark@eqt.com  
Facsimile: 304-848-0041

Authorized Representative: Victoria Roark  
Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
Telephone: 304-848-0076  
Email: vroark@eqt.com  
Facsimile: 304-848-0041

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**Notice is hereby provided to the SURFACE OWNER(s):**

Name: Roy E Trent Jr  
Address: 11725 Waples Mill Road  
Oakton, VA 22124

Name: Barbara Jean Durham  
Address: 115 Brooks Glen  
Roswell, GA 30075

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Authorized Representative: Victoria Roark  
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Office of Oil & Gas  
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Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

Date of Notice: OCT 24 2014 Date Permit Application Filed: NOV 02 2014

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

- HAND DELIVERY
- CERTIFIED MAIL RETURN RECEIPT REQUESTED

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**Notice is hereby provided to the SURFACE OWNER(s):**

Name: George J Bukowski & Elizabeth A Bradford  
 Address: 11458 Fruitwood Way  
Germantown MD 20876

Name: Arnold Stuart  
 Address: 2187 N Sumack Circle  
Cedar City UT 84720

**Notice is hereby given:**

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Notice is hereby provided to the SURFACE OWNER(s):

Name: Michael J Sweeney  
Address: 23 Cheyenne Dr  
Chillicothe OH 45601

Name: David L Sweeney  
Address: 12101 Pebblepointe Pass  
Carmel IN 46033

Received  
Office of Oil & Gas  
NOV 20 2014

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Notice is hereby provided to the SURFACE OWNER(s):

Name: Robert J Wells  
Address: 1184 Hartley Street  
Macon GA 31206

Name: Stephen R Wells  
Address: 4030 Manning Hollow Road  
Pegram TN 37143

Notice is hereby given:

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**Notice is hereby provided to the SURFACE OWNER(s):**

Name: Almaden K Margerum Nobis  
Address: P O Box 566  
Bloomfield, NM 87413

Name: John C Sweeney  
Address: 1145 Federal Avenue  
Zanesville, OH 43701

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Notice is hereby provided to the SURFACE OWNER(s):

Name: Jeffery E Sweeney  
Address: 5015 Foxfire Dr  
Zanesville OH 43701

Name: Benjamin D Smith  
Address: 929 Sevall Street  
Zanesville, OH 43701

Notice is hereby given:

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**Notice is hereby provided to the SURFACE OWNER(s):**

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Address: 929 Sevall Street  
Zanesville, OH 43701

Name: Cheryl K Ankrum  
Address: 499 Grandview Dr  
Zanesville OH 43701

**Notice is hereby given:**

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

State:	<u>WV</u>	UTM NAD 83	Easting	<u>526,085.60</u>
County:	<u>Doddridge</u>		Northing	<u>4,357,562.40</u>
District:	<u>Grant</u>		Public Road Access:	<u>Rt 3/1</u>
Quadrangle:	<u>Smithburg 7.5</u>		Generally used farm name:	<u>David Wentz</u>
Watershed:	<u>Brush Run of Flint Run</u>			

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

**Notice is hereby given by:**

Well Operator: EQT Production Company  
Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
Telephone: 304-848-0076  
Email: vroark@eqt.com  
Facsimile: 304-848-0041

Authorized Representative: Victoria Roark  
Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
Telephone: 304-848-0076  
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 **05/15/2015** DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

Office of Oil & Gas  
NOV 20 2014

4701706691

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

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

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

Date of Notice: OCT 24 2014 Date Permit Application Filed: NOV 02 2014

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

HAND DELIVERY  CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Norma C Anderson  
Address: 23 Village Green Ct  
Crooksville, OH 43731

Name: Connie Diane King  
Address: 3060 Sebaugh Dr  
Zanesville OH 43701

Notice is hereby given:

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

State:	<u>WV</u>	UTM NAD 83	Easting	<u>526,085.60</u>
County:	<u>Doddridge</u>		Northing	<u>4,357,562.40</u>
District:	<u>Grant</u>		Public Road Access:	<u>Rt 3/1</u>
Quadrangle:	<u>Smithburg 7.5</u>		Generally used farm name:	<u>David Wentz</u>
Watershed:	<u>Brush Run of Flint Run</u>			

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

Notice is hereby given by:

Well Operator: EQT Production Company  
Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
Telephone: 304-848-0076  
Email: vroark@eqt.com  
Facsimile: 304-848-0041

Authorized Representative: Victoria Roark  
Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
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05/15/2015

Office of Oil & Gas  
NOV 20 2014



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

4701706691

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

**Notice Time Requirement:** Notice shall be provided at least TEN (10) days prior to filing a permit application.  
**Date of Notice:** OCT 24 2014 **Date Permit Application Filed:** NOV 02 2014

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

HAND DELIVERY       CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

**Notice is hereby provided to the SURFACE OWNER(s):**

Name: Terry W Sweeney  
Address: 191 Williams Ave  
Wellsville, NY 14895

Name: Debra Leigh Sweeney Raymer  
Address: 2072 Elk Run Road  
Gaines PA 16921

**Notice is hereby given:**

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

State: <u>WV</u>	UTM NAD 83	Easting <u>526,085.60</u>
County: <u>Doddridge</u>		Northing <u>4,357,562.40</u>
District: <u>Grant</u>	Public Road Access: <u>Rt 3/1</u>	
Quadrangle: <u>Smithburg 7.5</u>	Generally used farm name: <u>David Wentz</u>	
Watershed: <u>Brush Run of Flint Run</u>		

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

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Email: vroark@eqt.com  
Facsimile: 304-848-0041

Authorized Representative: Victoria Roark  
Address: 115 Professional Place, P.O Box 280  
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Office of Oil & Gas  
NOV 20 2014  
Received



4701706691

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

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

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

Date of Notice: OCT 24 2014 Date Permit Application Filed: NOV 02 2014

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

HAND DELIVERY  CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

**Notice is hereby provided to the SURFACE OWNER(s):**

Name: Charles Ralph Sweeney  
Address: 41 Peaceful Pines Circle  
Farmington NH 03535

Name: Judith D Teagardner  
Address: C/O Michael Teagardner  
6639 Lancaster Newark Road NE  
Baltimore OH 43105

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon 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 526,085.60  
County: Doddridge Northing 4,357,562.40  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

**Notice is hereby given by:**

Well Operator: EQT Production Company  
Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
Telephone: 304-848-0076  
Email: vroark@eqt.com  
Facsimile: 304-848-0041

Authorized Representative: Victoria Roark  
Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
Telephone: 304-848-0076  
Email: vroark@eqt.com  
Facsimile: 304-848-0041

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Office of Oil and Gas  
NOV 20 2014  
1:38 PM

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

4701706691

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

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

**Date of Notice:** OCT 24 2014 **Date Permit Application Filed:** NOV 02 2014

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

- HAND DELIVERY
- CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

**Notice is hereby provided to the SURFACE OWNER(s):**

Name: Troy Bowles  
 Address: 4130 Drenkle Road  
Amanda OH 43102

Name: Leslie S LeRoy  
 Address: 127 Dale Hollow Dr  
Georgetown, KY 40324

**Notice is hereby given:**

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

State: <u>WV</u>	UTM NAD 83	Easting: <u>526,085.60</u>
County: <u>Doddridge</u>		Northing: <u>4,357,562.40</u>
District: <u>Grant</u>	Public Road Access: <u>Rt 3/1</u>	
Quadrangle: <u>Smithburg 7.5</u>	Generally used farm name: <u>David Wentz</u>	
Watershed: <u>Brush Run of Flint Run</u>		

**This Notice Shall Include:**

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**Notice is hereby given by:**

Well Operator: EQT Production Company  
 Address: 115 Professional Place, P.O Box 280  
Bridgeport, WV 26330  
 Telephone: 304-848-0076  
 Email: vroark@eqt.com  
 Facsimile: 304-848-0041

Authorized Representative: Victoria Roark  
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05/15/2015

NOV 20 2014



WW-6A5  
(1/12)

Operator Well No. 513167

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: NOV 19 2014 Date Permit Application Filed: NOV 17 2014 7 06 69 1

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: Beth Crowder  
Address: 800 Brush Run Road  
West Union WV 26456

Name: David Wentz  
Address: 342 Brush Run Road  
West Union WV 26456

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

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](http://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

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05/15/2015



WW-6A5  
(1/12)

Operator Well No. 513167

4701706691

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: NOV 19 2014 Date Permit Application Filed: NOV 19 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: Roy E Trent Jr  
Address: 11725 Waples Mill Road  
Oakton VA 22124

Name: Barbara Jean Durham  
Address: 115 Brooks Glen  
Roswell GA 30075

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EQT Production Company Address: 115 Professional Place, P.O. Box 280  
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Received  
Office of Oil & Gas  
NOV 20 2014

05/15/2015

WW-6A5  
(1/12)Operator Well No. 513167

**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:** NOV 19 2014 **Date Permit Application Filed:** NOV 19 2014

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

CERTIFIED MAIL  HAND  
RETURN RECEIPT REQUESTED DELIVERY

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

**Notice is hereby provided to the SURFACE OWNER(s)**

(at the address listed in the records of the sheriff at the time of notice):

Name: George J Bukowski & Elizabeth A Bradford  
Address: 11458 Fruitwood Way  
Germantown, DM 20876

Name: Arnold Stuart  
Address: 2187 N Sumack Circle  
Cedar City UT 84720

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County:	<u>Doddridge</u>		Northing:	<u>4,357,562.400000</u>
District:	<u>Grant</u>	Public Road Access:		<u>Rt 3/1</u>
Quadrangle:	<u>Smithburg 7.5</u>	Generally used farm name:		<u>David Wentz</u>
Watershed:	<u>Brush Run of Flint Run</u>			

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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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EQT Production Company  
Telephone: 304-848-0082  
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280  
Bridgeport, WV 26330  
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](mailto:depprivacyofficer@wv.gov).

Received  
Office of Oil & Gas  
NOV 20 2014

05/15/2015



WW-6A5  
(1/12)

Operator Well No. 513167

4701706691

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: NOV 19 2014 Date Permit Application Filed: NOV 19 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: Michael J Sweeney  
Address: 23 Cheyenne Dr  
Chillicothe OH 45601

Name: David L Sweeney  
Address: 1201 Pebblepointe Pass  
Carmel IN 46033

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

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](http://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

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WW-6A5  
(1/12)

Operator Well No. 513167

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

4701706691

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: NOV 19 2014 Date Permit Application Filed: NOV 19 2014

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

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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: Robert J Wells  
Address: 1184 Hartley Street  
Macon GA 31206

Name: Stephen R Wells  
Address: 4030 Manning Hollow Road  
Pegram TN 31743

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EQT Production Company  
Telephone: 304-848-0082  
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280  
Bridgeport, WV 26330  
Facsimile: 304-848-0040

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05/15/2015

WW-6A5  
(1/12)

Operator Well No. 513167

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

4701706691

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: NOV 19 2014 Date Permit Application Filed: NOV 19 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: Almaden K Margerum Nobis  
Address: P.O. Box 566  
Bloomfield, NM 87413

Name: John C Sweeney  
Address: 1145 Federal Ave  
Zanesville, OH 43701

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EQT Production Company  
Telephone: 304-848-0082  
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280  
Bridgeport, WV 26330  
Facsimile: 304-848-0040

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WW-6A5  
(1/12)

Operator Well No. 513167

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **4701706691**  
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: NOV 19 2014 Date Permit Application Filed: NOV 19 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: Jeffery E Sweeney  
Address: 5015 Foxfire Dr  
Zanesville OH 43701

Name: Benjamin D Smith  
Address: 929 Sevall St  
Zanesville OH 43701

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EQT Production Company  
Telephone: 304-848-0082  
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280  
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Facsimile: 304-848-0040

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WW-6A5  
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Operator Well No. 513167

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

4701706691

NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: NOV 19 2014 Date Permit Application Filed: NOV 19 2014

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

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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: Rico Sweeney  
Address: 929 Sevall St  
Zanesville OH 43701

Name: Cheryl K Ankrum  
Address: 499 Grandview Dr  
Zanesville OH 43701

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

This Notice Shall Include:

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Well Operator: EQT Production Company  
Telephone: 304-848-0082  
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280  
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Office of Oil & Gas  
NOV 20 2014

05/15/2015

WW-6A5  
(1/12)

Operator Well No. 513167  
**4701706691**

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: NOV 19 2014 Date Permit Application Filed: NOV 19 2014

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

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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: Norma C Anderson  
Address: 23 Village Green Ct  
Crooksville OH 43731

Name: Connie Diane King  
Address: 3060 Segaugh Dr  
Zanesville OH 43701

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

This Notice Shall Include:

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Well Operator: EQT Production Company  
Telephone: 304-848-0082  
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280  
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**05/15/2015**



WW-6A5  
(1/12)

Operator Well No. 513167

STATE OF WEST VIRGINIA  
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NOTICE OF PLANNED OPERATION

4701706691

Notice Time Requirement: notice shall be provided no later than the filing date of permit application  
Date of Notice: NOV 19 2014 Date Permit Application Filed: NOV 19 2014

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

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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: Terry W Sweeney  
Address: 191 Williams Ave  
Wellsville, NY 14895

Name: Debra Leigh Sweeney Raymer  
Address: 2072 Elk Run Road  
Gains PA 16921

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:

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Watershed: Brush Run of Flint Run

This Notice Shall Include:

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Telephone: 304-848-0082  
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Operator Well No. 513167

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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: NOV 19 2014 Date Permit Application Filed: NOV 19 2014

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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: Charles Ralph Sweeney  
Address: 41 Peaceful Pines Circle  
Farmington, NH 03535

Name: Judith D Teagardner  
Address: C/O Michael Teagardner  
6639 Lancaster Newark Road NE  
Baltimore OH 43105

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:

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County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EQT Production Company  
Telephone: 304-848-0082  
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280  
Bridgeport, WV 26330  
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](mailto:depprivacyofficer@wv.gov).

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NOV 19 2014

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NOV 20 2014

05/15/2015

WW-6A5  
(1/12)

Operator Well No. 513167

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

4701706691

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: NOV 19 2014 Date Permit Application Filed: NOV 19 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: Troy Bowles  
Address: 4130 Drenkle Road  
Amanda OH 43102

Name: Leslie S LeRoy  
Address: 127 Dale Hollow Dr  
Georgetown KY 40324

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: 526,085.600000  
County: Doddridge Northing: 4,357,562.400000  
District: Grant Public Road Access: Rt 3/1  
Quadrangle: Smithburg 7.5 Generally used farm name: David Wentz  
Watershed: Brush Run of Flint Run

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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EQT Production Company  
Telephone: 304-848-0082  
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Facsimile: 304-848-0040

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05/15/2015



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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

November 18, 2014

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

Subject: DOH Permit for the SMI 27 Well Site, Doddridge County  
513163 SMI 27H2                      513164 SMI 27H3                      513167 SMI 27H7

Dear Mr. Martin,

This well site will be accessed from DOH Permit # 04-2011-1123 applied for by EQT Production Company for access to the State Road for a well site located off of Doddridge County Route 3/1 SLS.

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

Very Truly Yours,

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

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

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NOV 20 2014



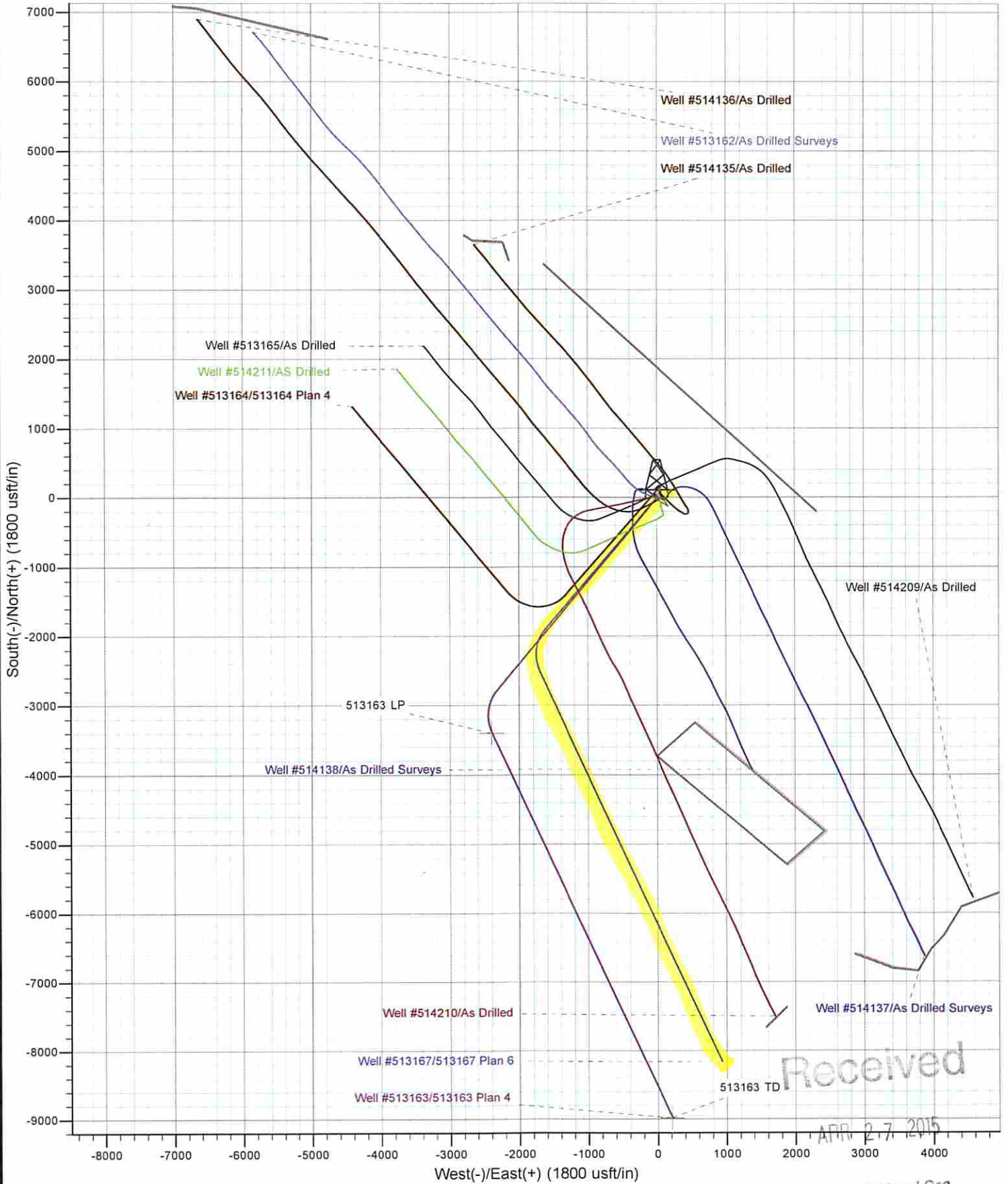
4701706691

**Anticipated Frac Additives**  
**Chemical Names and CAS numbers**

<u>Material</u>	<u>Ingredient</u>	<u>CAS Number</u>
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

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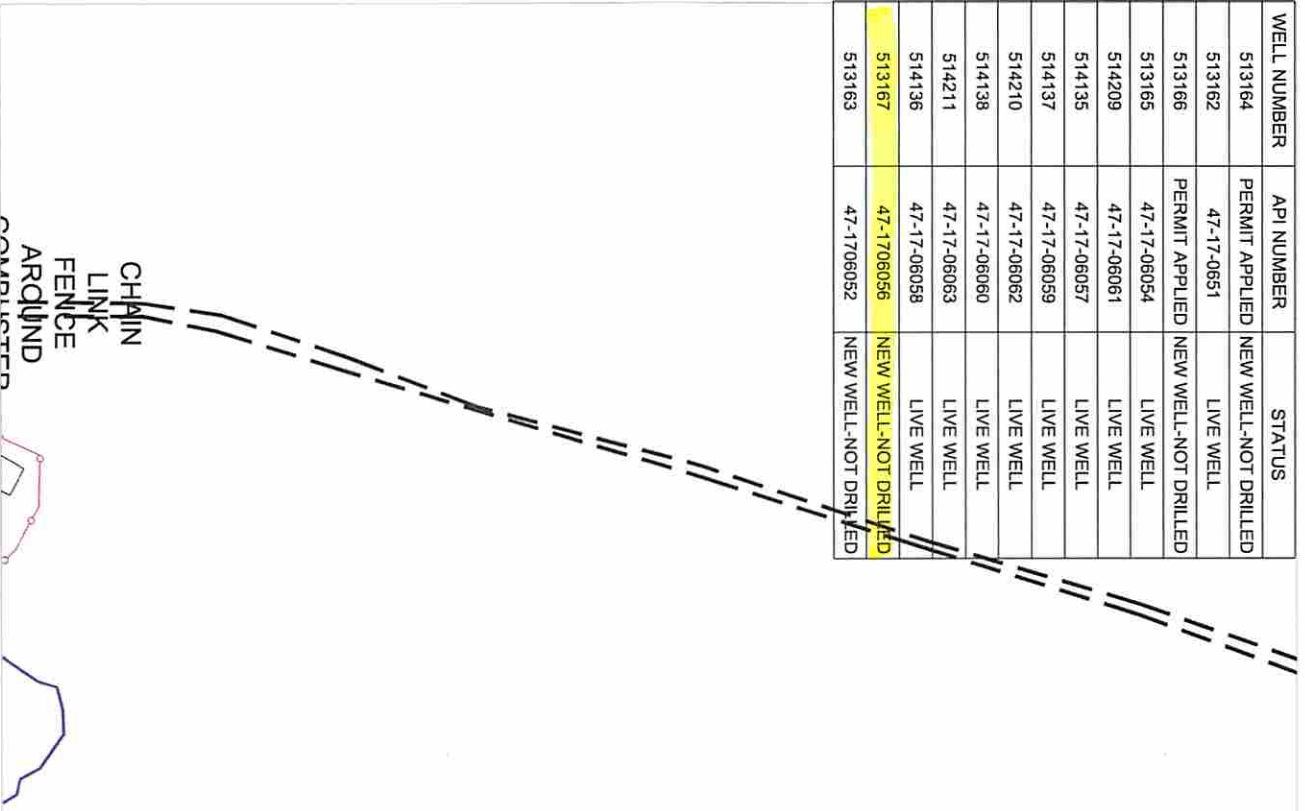
05/15/2015



Received  
APR 27 2015  
Office of Oil and Gas  
WV Dept. of Environmental Protection

05/15/2015

WELL NUMBER	API NUMBER	STATUS
513164	PERMIT APPLIED	NEW WELL-NOT DRILLED
513162	47-17-0651	LIVE WELL
513166	PERMIT APPLIED	NEW WELL-NOT DRILLED
513165	47-17-06054	LIVE WELL
514209	47-17-06061	LIVE WELL
514135	47-17-06057	LIVE WELL
514137	47-17-06059	LIVE WELL
514210	47-17-06062	LIVE WELL
514138	47-17-06060	LIVE WELL
514211	47-17-06063	LIVE WELL
514136	47-17-06058	LIVE WELL
513167	47-1706056	NEW WELL-NOT DRILLED
513163	47-1706052	NEW WELL-NOT DRILLED



REVISION SUMMARY		
1	-	-
-	-	-
-	-	-
BY	DATE	
DRAWN	4-16-2015	
CHECKED	-	-
APPROVED	-	-
APPROVED	-	-

**EQT Production**  
**SM127 Well**  
**Spacing and**  
**Status**

DWG NO: PAGE: 1 OF 1  
 REV: 0

Received  
 APR 27 2015

Office of Oil and Gas  
 WV Dept. of Environmental Protection