west virginia department of environmental protection

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

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

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.

API Number: 4701706691

PERMIT CONDITIONS

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

CONDITIONS

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

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

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

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

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

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

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

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

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

4701706691

west virginia department of environmental protection

WVDEP Office of Oil and Gas
601 57th 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

11/20

JACKSONKELLY
ATTORNEYS AT LAW PLLC

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.

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,

Brian Swiger

cc: Mr. James Martin
WVDEP- Office of Oil and Gas
601 57th 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

DEC 22 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

December 19, 2014

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

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" I\indicates that the "Associated Pit" is being constructed approximately 40-50 feet above the well pad. It is on the same location as a

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

Office of Oil and Gas
WV Dept. of Environmental Protection

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

WW - 6B
(9/13)

4701706691

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

306686	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: _____

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

WW - 6B
(4/15)

API NO. 47 - 17 - 06691
OPERATOR WELL NO. 513167
Well Pad Name: SMI27

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
FON

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)

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

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
WV Department of Environmental Protection

WW - 6B

(3/13)

19) Describe proposed well work, including the drilling and plugging back of any pilot hole: 4701706691

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.

*Note: Attach additional sheets as needed.

Received
Office of Oil & Gas
NOV 20 2014

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west virginia department of environmental protection

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

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

March 18, 2014

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

Re: Cement Variance Request

Dear Sir or Madam,

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

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

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

Sincerely,

James Peterson by GCS

James Peterson
Environmental Resources Specialist / Permitting

Promoting a healthy environment.

Received
Office of Oil & Gas
NOV 20 2014

4701706691

west virginia department of environmental protection

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

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

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

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

REPORT OF THE OFFICE

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

FINDINGS OF FACT

1.) Nabors Completion & Production Services Co. proposes the following cement blend:

- 2% Calcium Chloride (Accelerator)
- 0.25 % Super Flake (Lost Circulation)
- 94% Type "1" Cement
- 5.20 % Water

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

Received
Office of Oil & Gas
NOV 20 2014

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

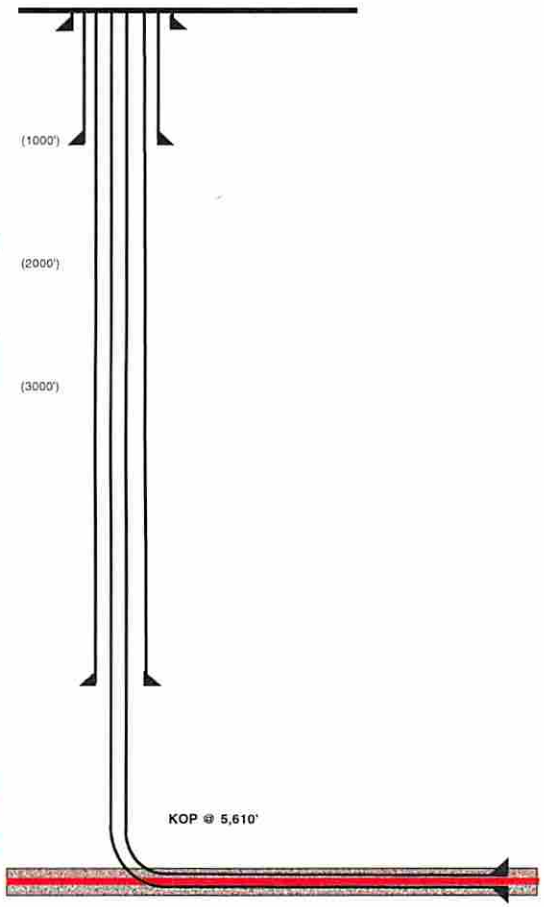
Received
Office of Oil & Gas
NOV 20 2014

4701706691

Well 513167 (SMI27H6)
EQT Production
Smithburg
Doddridge **West Virgina**

Azimuth 155
Vertical Section 8228

TVD Depth (feet)	Formation Tops (TVD)		
0'			
250'			
500'			
750'			
1,000'	Base Fresh Water	931	(1000')
1,250'			
1,500'			
1,750'	Maxton	1920 - 2015	
	Big Lime	2092 - 2314	
2,000'	Keys Red Rock	2032	(2000')
2,250'			
2,500'	Weir	2492 - 2521	
	-Gantz	2685 - 2692	
2,750'	-Fifty foot	2752 - 2803	
	-Thirty foot	2862 - 2865	
3,000'	-Gordon	2885 - 2921	(3000')
	-Forth Sand	3035 - 3056	
3,250'			
3,500'	-Warren	3536 - 3617	
3,750'	-Speechley	3759 - 4045	
4,000'			
	-Balltown A	4142 - 4322	
4,250'			
4,500'			
4,750'			
5,000'			
5,250'	-Benson	5216 - 5227	
	Int. csg pt	5327	
5,500'	-Alexander	5468 - 5582	
5,750'			
6,000'			
	-Sonyea	6642 - 6658	
6,250'	-Middlesex	6792 - 6849	
	-Genesee	6849 - 6932	
6,500'	-Geneseo	6932 - 6962	
	-Tully	6962 - 6989	
6,750'	-Hamilton	6989 - 7034	
	Marcellus top	7034	
7,000'	**Target Inside Marcellus**	**7059**	
	Marcellus Bottom	7092	
7,250'			



Land curve @ 7,059' ft TVD
9,264' ft MD

Est. TD @ 7,059' ft TVD
15,489' ft MD

6,225' ft Lateral

Hole Size (inches)	Casing Type	Casing Size (inches)	Wt (ppf)/Grade
24	Conductor	20	81#/MC-50
17 1/2	Surface	13 3/8	54.5#/J-55
12 3/8	Intermediate	9 5/8	40#/A-500
8 1/2	Production Casing	5 1/2	20#/P-110

Proposed Well Work:
Drill and complete a new horizontal well in the Marcellus formation.
The vertical drill to go down to an approximate depth of 5610'.
Then kick off the horizontal leg into the Marcellus using a slick water frac.

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NOV 20 2014

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Well Schematic
EQT Production

Well Name	513167 (SMI27H6)
County	Doddridge
State	West Virgina

Elevation KB:	1191
Target	Marcellus
Prospect	
Azimuth	155
Vertical Section	8228

0'

Hole Size 24" - 20" Conductor at 40'
Bit Size 17.5"

500'

1,000' — 931' Fresh Water Base

TOC @ Surface
13 3/8", MC-50, 54.5# @ 1,071' ft MD
Bit Size 12.375"

1,500'

2,000' — 1,920' Maxton
2,092' Big Lime
2,032' Base Red Rock

2,500' — 2,482' Weir

3,000' — 2,685' -Gantz
2,752' -Fifty foot
2,862' -Thirty foot
2,885' -Gordon
3,039' -Forth Sand

3,500' — 3,536' -Warren

3,759' -Speechley

4,000' — 4,142' -Balltown A

4,500'

5,000'

5,500' — 5,216' -Benson
5,327' Int. csg pt
5,468' -Alexander

TOC @ Surface
9 5/8", MC-50, 40# @ 5,327' ft MD
Bit Size 8.5"

6,000'

6,500' — 6,642' -Sonyea
6,792' -Middlesex
6,849' -Genesee
6,932' -Geneseo
6,962' -Tully

KOP = 5,610' ft MD
10 Deg DLS

Land @ 9,264' ft MD
7,059' ft TVD

7,000' — 6,989' -Hamilton
7,034' -Marcellus
7,092' Onondaga

5 1/2", P-110, 20# 15,489' ft MD
7,059' ft TVD

7,500'

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WW-9
(5/13)

Page 1 of 2 4701706691

API No. 47 - 017 - 06691
Operator's Well No. 513167

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

Fluids/Cuttings Disposal & Reclamation Plan

Operator Name EQT Production Company OP Code 306686

Watershed (HUC10) Brush Run of Flint Run Quadrangle Smithburg 7.5

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

Will a pit be used ? Yes: X No: ___

If so please describe anticipated pit waste: flowback water & residual solids

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

Proposed Disposal Method For Treated Pit Wastes:

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

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

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

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

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

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

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

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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

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

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

Subscribed and sworn before me this 11 day of May, 20 15

Rebecca L Heater Notary Public

My commission expires 4-7-20

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
REBECCA L. HEATER
EQT PRODUCTION COMPANY
PO BOX 280
BRIDGEPORT, WV 26330
My commission expires April 07, 2020

WW-9

Operator's Well No. 513167

4701706691

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 1/3 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

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

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas Newlon

Comments: Maintain BMPs to WV Dep regulations

Title: Oil + Gas inspector Date: 11-25-2014

Field Reviewed? (✓) Yes ( ) No

RECEIVED
Office of Oil and Gas

DEC 03 2014

WV Department of
Environmental Protection

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

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

TRI COUNTY WASTE WATER MANAGEMENT, INC.
1487 Toms Run Road
Holbrook, PA 15341
724-627-7178 Plant
724-499-5647 Office
Greene County/Waynesburg
Permit # TC-1009

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

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

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

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

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

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NOV 20 2014

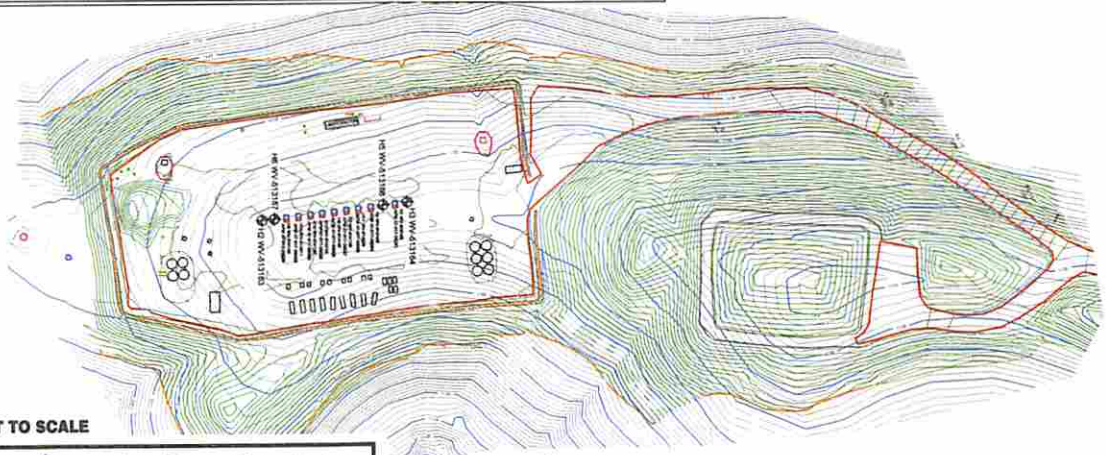
Form WW-9

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

page of

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 SMITH LAND SURVEYING, INC.
SLS SURVEYORS ENGINEERS ENVIRONMENTAL PROJECT MGMT.
(304) 462-5634 WWW.SLSSURVEYS.COM

DRAWN BY	FILE NO.	DATE	CADD FILE:
K.D.W.	7584	10-22-14	7584ABREC-R.dwg

TOPO SECTIONS OF SMITHBURG 7.5' TOPO QUADRANGLE

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

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NOV 20 2014

EQT

Where energy meets innovation.™

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Site Specific Safety Plan

EQT SMI 27 Pad

West Union
Doddridge County, WV

For Wells:

513163 513164 513167

Date Prepared: **October 23, 2014**

EQT Production

Permitting Supervisor
Title

11-10-14
Date

Douglas Newlon
WV Oil and Gas Inspector

Title

11-25-2014
Date

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DEC 03 2014

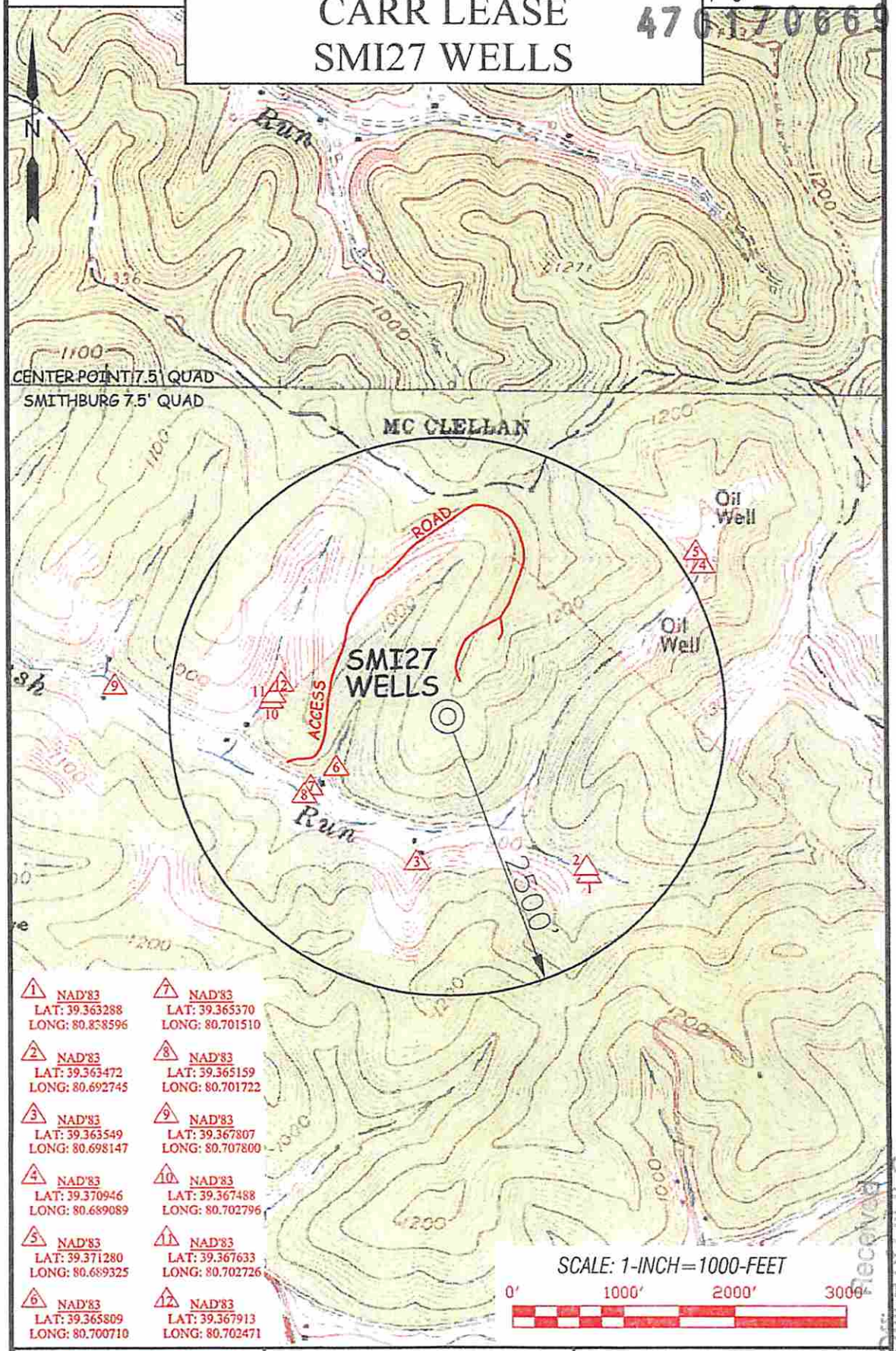
WV Department of
Environmental Protection

WATER SAMPLES

CARR LEASE
SMI27 WELLS

page of

4701706691



Professional Energy Consultants
SLS Surveyors Engineers Environmental Project Mgmt.

DRAWN BY	FILE NO.	DATE	CADD FILE:
K.D.W.	7584	11/07/14	7584WS2427.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 PROFESIONAL PLACE
P.O. BOX 280
BRIDGEPORT, WV 26330

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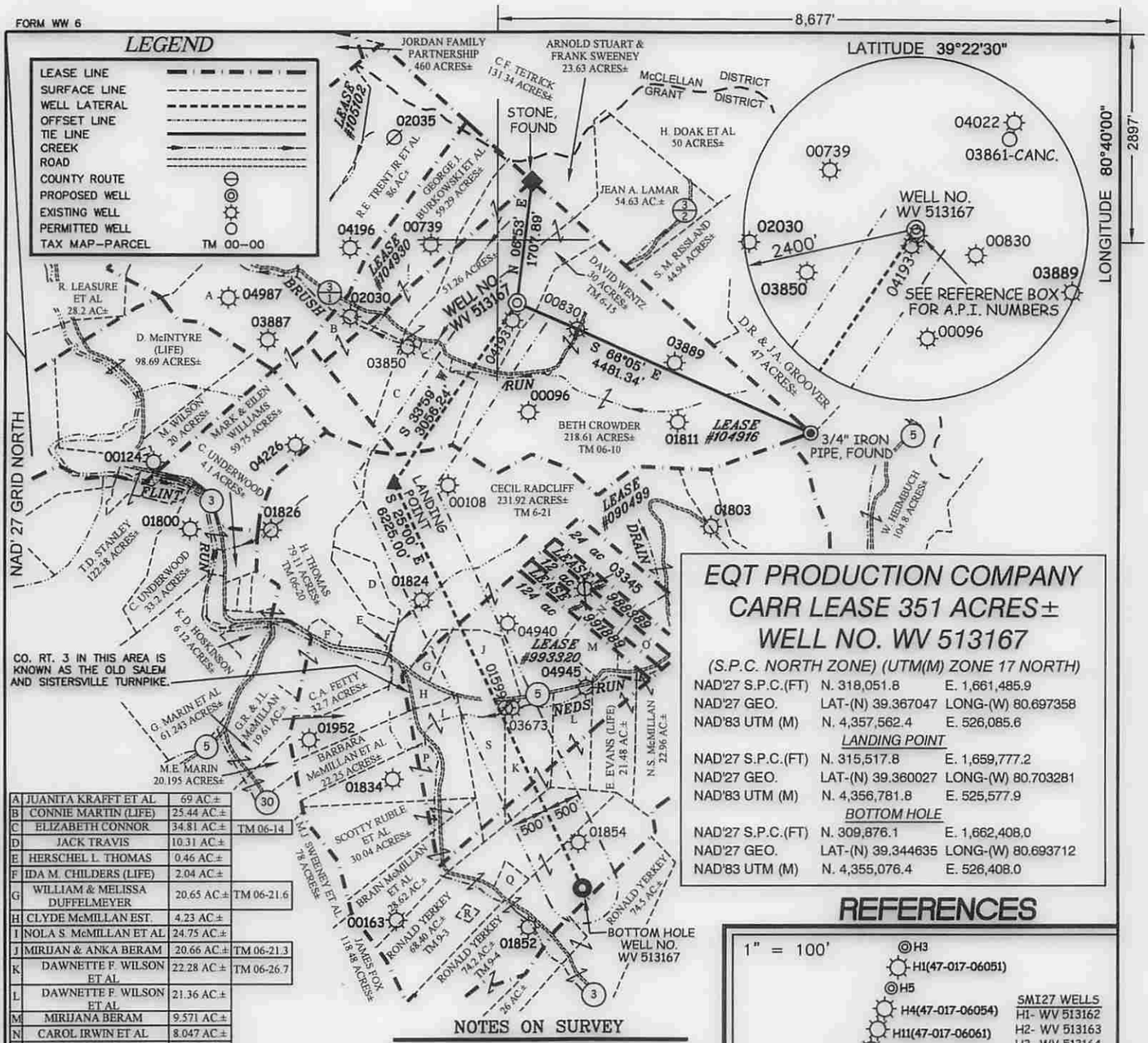
NOV 20 2014

FORM WW 6



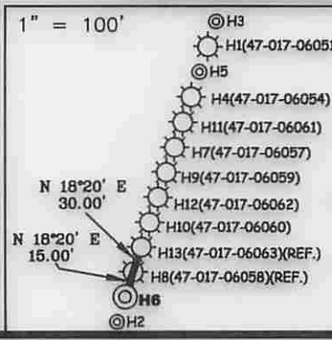
A	JUANITA KRAFFT ET AL	69 AC.±
B	CONNIE MARTIN (LIFE)	25.44 AC.±
C	ELIZABETH CONNOR	34.81 AC.± TM 06-14
D	JACK TRAVIS	10.31 AC.±
E	HERSCHEL L. THOMAS	0.46 AC.±
F	IDA M. CHILDERS (LIFE)	2.04 AC.±
G	WILLIAM & MELISSA DUFFELMEYER	20.65 AC.± TM 06-21.6
H	CLYDE McMILLAN EST.	4.23 AC.±
I	NOLA S. McMILLAN ET AL	24.75 AC.±
J	MIRIJAN & 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	MIRIJANA 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	GLENDA J. LAMBERT	4 AC.±
R	ANNA M. MORGAN	1 AC.±
S	RICHARD C. McMILLAN	22.94 AC.± TM 09-08

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) 80.693712
NAD'83 UTM (M)	N. 4,355,076.4	E. 526,408.0

REFERENCES



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	160 AC.±	LEASE NO. 993320

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SLS SURVEYORS ENGINEERS ENVIRONMENTAL PROJECT MGMT.
(304) 462-5634 WWW.SLSSURVEYS.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

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

(+) 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 — 06691 H6A
STATE COUNTY PERMIT

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

SCALE 1" = 2000'

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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

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

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 X CONVERT ____ DRILL DEEPER ____ REDRILL ____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ____ PERFORATE NEW FORMATION ____ PLUG AND ABANDON ____ CLEAN OUT AND REPLUG ____ OTHER ____

PHYSICAL CHANGE IN WELL (SPECIFY) ____ TARGET FORMATION MARCELLUS

ESTIMATED DEPTH TVD 7,034'

COUNTY NAME

PERMIT

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280

BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

SLS

134668

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
Lease 104916			**1/8 min pd**	
	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
Lease 090499			**1/8 min pd**	
	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
Lease 993320			**1/8 min pd**	
	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

4701706691

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

WW-6AC
(1/12)

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:	WV	UTM NAD 83 Easting:	526,085.60
County:	Doddridge	UTM NAD 83 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		

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

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

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.

WW-6AC
(1/12)

4701706691

Certification of Notice is hereby given:

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

Well Operator:	EQT Production Company	Address:	P.O. Box 280
By:	Victoria J. Roark		Bridgeport, WV 26330
Its:	Permitting Supervisor	Facsimile:	304-848-0040
Telephone:	304-848-0076	Email:	vroark@eqt.com

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Pamela Sykes
EQT Production
PO Box 280
Bridgeport, WV 26330
My Commission Expires Aug. 24, 2022

NOTARY SEAL

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

_____ 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.

Received
Office of Oil & Gas
NOV 20 2014

WW-6A
(9-13)

API NO. 47 - 017 - 0
OPERATOR WELL NO. 513167
Well Pad Name: SM127

4701706691

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:

*Please attach additional forms if necessary

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WW6-A

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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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WW-6A
(8-13)

API NO. 47 - 017 - 0
OPERATOR WELL NO. 513167
Well Pad Name: SMI27

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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.

Well Location Restrictions

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

Office of Oil & Gas
NOV 20 2014

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

Received
Office of Oil & Gas
NOV 20 2014

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

WW-6A
(8-13)

API NO. 47 - 017 - 0
OPERATOR WELL NO. 43167
Well Pad Name: SMI27

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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.

Received
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NOV 20 2014

Notice is hereby given by:

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

Oil and Gas Privacy Notice:

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

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

By: Victoria Roark
Its: Permitting Supervisor

Subscribed and sworn before n 11 day of Nov., 2014

Notary Public

My Commission Expir 8.24.20

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Pamela Sykes
EQT Production
PO Box 280
Bridgeport, WV 26330
My Commission Expires Aug. 24, 2022

Received
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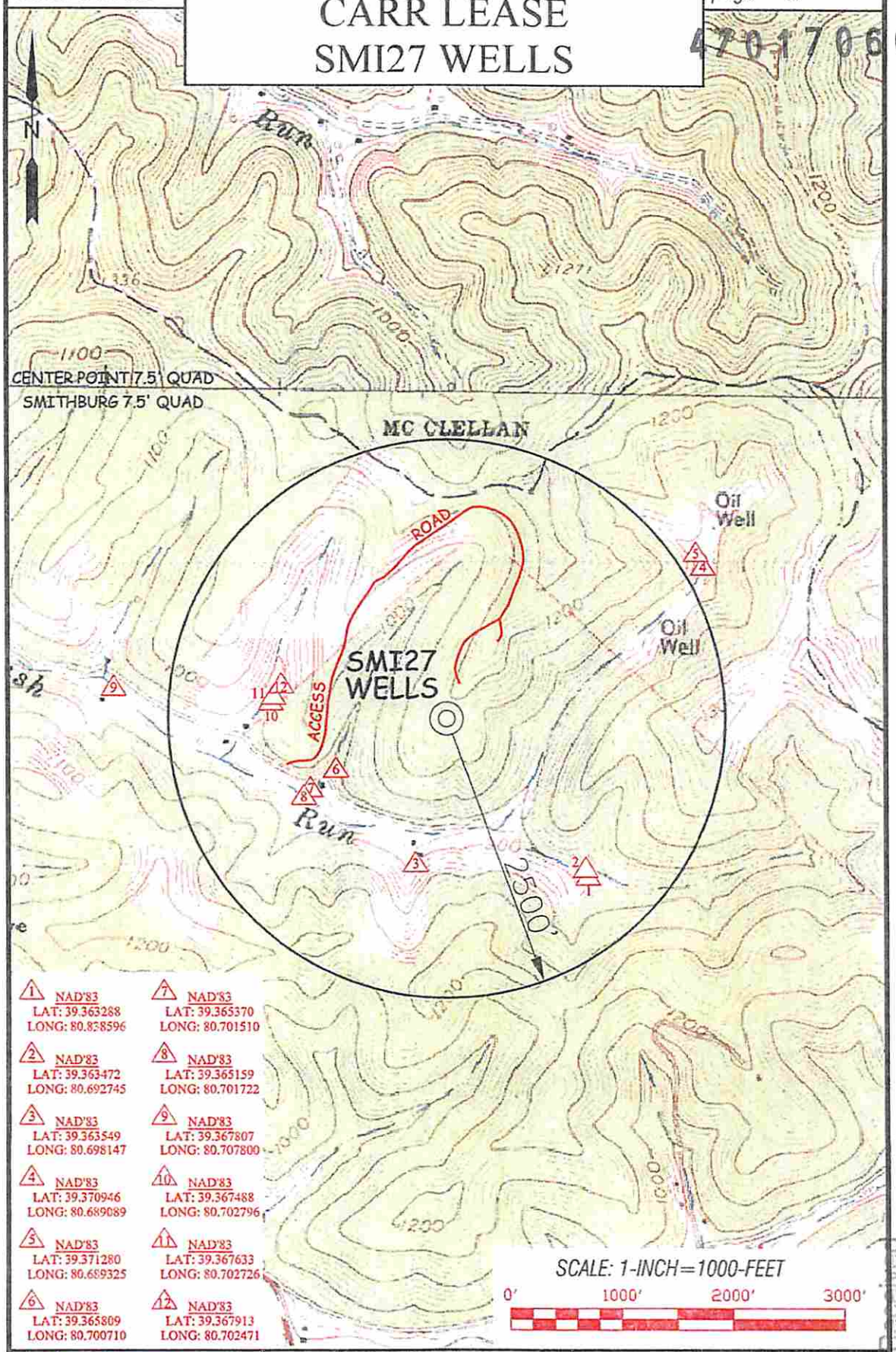
NOV 20 2014

WATER SAMPLES

CARR LEASE
SMI27 WELLS

page of

4701706691



Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING INC.
SLS SURVEYORS ENGINEERS ENVIRONMENTAL PROJECT MGMT.

DRAWN BY	FILE NO.	DATE	CADD FILE:
K.D.W.	7584	11/07/14	7584WS27.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 PROFESIONAL PLACE
P.O. BOX 280
BRIDGEPORT, WV 26330

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NOV 20 2014

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SMITH LAND SURVEYING, INC. P.O. BOX 150, GLENVILLE, WV 26351
(304) 462-5634 • FAX 462-5656

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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Office of Oil & Gas
NOV 20 2014

4701706691

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

7584 SMI-27.1-QT.waterfinal. pg.2

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Office of Oil & Gas
NOV 20 2014

4701706691

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: _____

7584 SMI-27 FQT,waterfinal, pg 3

Received
Office of Oil & Gas
NOV 20 2014

WW-6A4
(1/12)

Operator Well No. 513167

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.

Received
Office of Oil & Gas
NOV 20 2014

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

Name:	Beth Crowder	Name:	David Wentz
Address:	800 Brush Run Road	Address:	342 Brush Run Road
	West Union WV 26456		West Union, WV 26456

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

Notice is hereby given by:

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

WW-6A4
(1/12)

Operator Well No. 513167

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

4704706691

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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)

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

Name:	Roy E Trent Jr	Name:	Barbara Jean Durham
Address:	11725 Waples Mill Road	Address:	115 Brooks Glen
	Oakton, VA 22124		Roswell, GA 30075

Received
Office of Oil & Gas
NOV 20 2014

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:
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Notice is hereby given by:

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

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WW-6A4
(1/12)

Operator Well No. 513167

4701706691

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

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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)

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Received
Office of Oil & Gas
NOV 20 2014

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

Name:	George J Bukowski & Elizabeth A Bradford	Name:	Arnold Stuart
Address:	11458 Fruitwood Way	Address:	2187 N Sumack Circle
	Germantown MD 20876		Cedar City UT 84720

Notice is hereby given:
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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

Notice is hereby given by:

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

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WW-6A4
(1/12)

Operator Well No. 513167

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.

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

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

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Received
Office of Oil & Gas
NOV 20 2014

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

Name:	Michael J Sweeney	Name:	David L Sweeney
Address:	23 Cheyenne Dr Chillicothe OH 45601	Address:	12101 Pebblepointe Pass Carmel IN 46033

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

Notice is hereby given by:

Well Operator:	EQT Production Company	Authorized Representative:	Victoria Roark
Address:	115 Professional Place, P.O Box 280 Bridgeport, WV 26330	Address:	115 Professional Place, P.O Box 280 Bridgeport, WV 26330
Telephone:	304-848-0076	Telephone:	304-848-0076
Email:	vroark@eqt.com	Email:	vroark@eqt.com
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WW-6A4
(1/12)

Operator Well No. 513167

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

4701706691

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

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

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

Name:	Robert J Wells	Name:	Stephen R Wells
Address:	1184 Hartley Street	Address:	4030 Manning Hollow Road
	Macon GA 31206		Pegram TN 37143

Received
Office of Oil & Gas
NOV 20 2014

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Notice is hereby given by:

Well Operator:	EQT Production Company	Authorized Representative:	Victoria Roark
Address:	115 Professional Place, P.O Box 280	Address:	115 Professional Place, P.O Box 280
	Bridgeport, WV 26330		Bridgeport, WV 26330
Telephone:	304-848-0076	Telephone:	304-848-0076
Email:	vroark@eqt.com	Email:	vroark@eqt.com
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WW-6A4
(1/12)

Operator Well No. 513167

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

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

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

Name:	Almaden K Margerum Nobis	Name:	John C Sweeney
Address:	P O Box 566	Address:	1145 Federal Avenue
	Bloomfield, NM 87413		Zanesville, OH 43701

Notice is hereby given:
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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			

Received
Office of Oil & Gas
NOV 20 2014

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Notice is hereby given by:

Well Operator:	EQT Production Company	Authorized Representative:	Victoria Roark
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WW-6A4
(1/12)

Operator Well No. 513167

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
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Notice is hereby provided to the SURFACE OWNER(s):

Name:	Jeffery E Sweeney	Name:	Benjamin D Smith
Address:	5015 Foxfire Dr	Address:	929 Sevall Street
	Zanesville OH 43701		Zanesville, OH 43701

Office of Oil & Gas
NOV 20 2014

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Notice is hereby given by:

Well Operator:	EQT Production Company	Authorized Representative:	Victoria Roark
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WW-6A4
(1/12)

Operator Well No. 513167

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

Name:	Rico Sweeney	Name:	Cheryl K Ankrum
Address:	929 Sevall Street	Address:	499 Grandview Dr
	Zanesville, OH 43701		Zanesville OH 43701

Office of Oil & Gas
NOV 20 2014

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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

Notice is hereby given by:

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

WW-6A4
(1/12)

Operator Well No. 513167
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	Name:	Connie Diane King
Address:	23 Village Green Ct	Address:	3060 Sebaugh Dr
	Crooksville, OH 43731		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:	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

Notice is hereby given by:

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

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Office of Oil & Gas
NOV 20 2014

WW-6A4
(1/12)

Operator Well No. 513167

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	Name:	Debra Leigh Sweeney Raymer
Address:	191 Williams Ave	Address:	2072 Elk Run Road
	Wellsville, NY 14895		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:	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

Received Office of Oil & Gas NOV 20 2014

Notice is hereby given by:

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

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WW-6A4
(1/12)

Operator Well No. 513167

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

4704706691

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

Office of Oil & Gas
NOV 20 2014

Notice is hereby given by:

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

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WW-6A4
(1/12)

Operator Well No. 513167

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	Name:	Leslie S LeRoy
Address:	4130 Drenkle Road	Address:	127 Dale Hollow Dr
	Amanda OH 43102		Georgetown, KY 40324

NOV 20 2014

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

Notice is hereby given by:

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

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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

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 4701706691

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.

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:
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Received
Office of Oil & Gas
NOV 20 2014

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.

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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Received
Office of Oil & Gas
NOV 20 2014

4701706691

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 RETURN RECEIPT REQUESTED ☐ HAND DELIVERY

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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: 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

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	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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Received
Office of Oil & Gas
NOV 20 2014

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: 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:

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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.

Well Operator:	EQT Production Company	Address:	115 Professional Place, P.O. Box 280
Telephone:	304-848-0082	Bridgeport, WV 26330	
Email:	vroark@eqt.com	Facsimile:	304-848-0040

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

Received
Office of Oil & Gas
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

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: 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.

Well Operator:	EQT Production Company	Address:	115 Professional Place, P.O. Box 280
Telephone:	304-848-0082		Bridgeport, WV 26330
Email:	vroark@eqt.com	Facsimile:	304-848-0040

Oil and Gas Privacy Notice:
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Received
Office of Oil & Gas
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

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	Name:	John C Sweeney
Address:	P.O. Box 566	Address:	1145 Federal Ave
	Bloomfield, NM 87413		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.

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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Received
Office of Oil & Gas
NOV 20 2014

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.

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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Received
Office of Oil & Gas
NOV 20 2014

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

Well Operator:	EQT Production Company	Address:	115 Professional Place, P.O. Box 280
Telephone:	304-848-0082	Bridgeport, WV 26330	
Email:	vroark@eqt.com	Facsimile:	304-848-0040

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Received
Office of Oil & Gas
NOV 20 2014

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:	Norma C Anderson	Name:	Connie Diane King
Address:	23 Village Green Ct	Address:	3060 Segaugh Dr
	Crooksville OH 43731		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.

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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Received
Office of Oil & Gas
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

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

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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	Name:	Debra Leigh Sweeney Raymer
Address:	191 Williams Ave	Address:	2072 Elk Run Road
	Wellsville, NY 14895		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:

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	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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Received
Office of Oil & Gas
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

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

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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:

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
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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

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: 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.

Well Operator:	EQT Production Company	Address:	115 Professional Place, P.O. Box 280
Telephone:	304-848-0082		Bridgeport, WV 26330
Email:	vroark@eqt.com	Facsimile:	304-848-0040

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

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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 57th 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

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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Anticipated Frac Additives
Chemical Names and CAS numbers

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

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PHOENIX
TECHNOLOGY SERVICES

EQT Production - Marcellus

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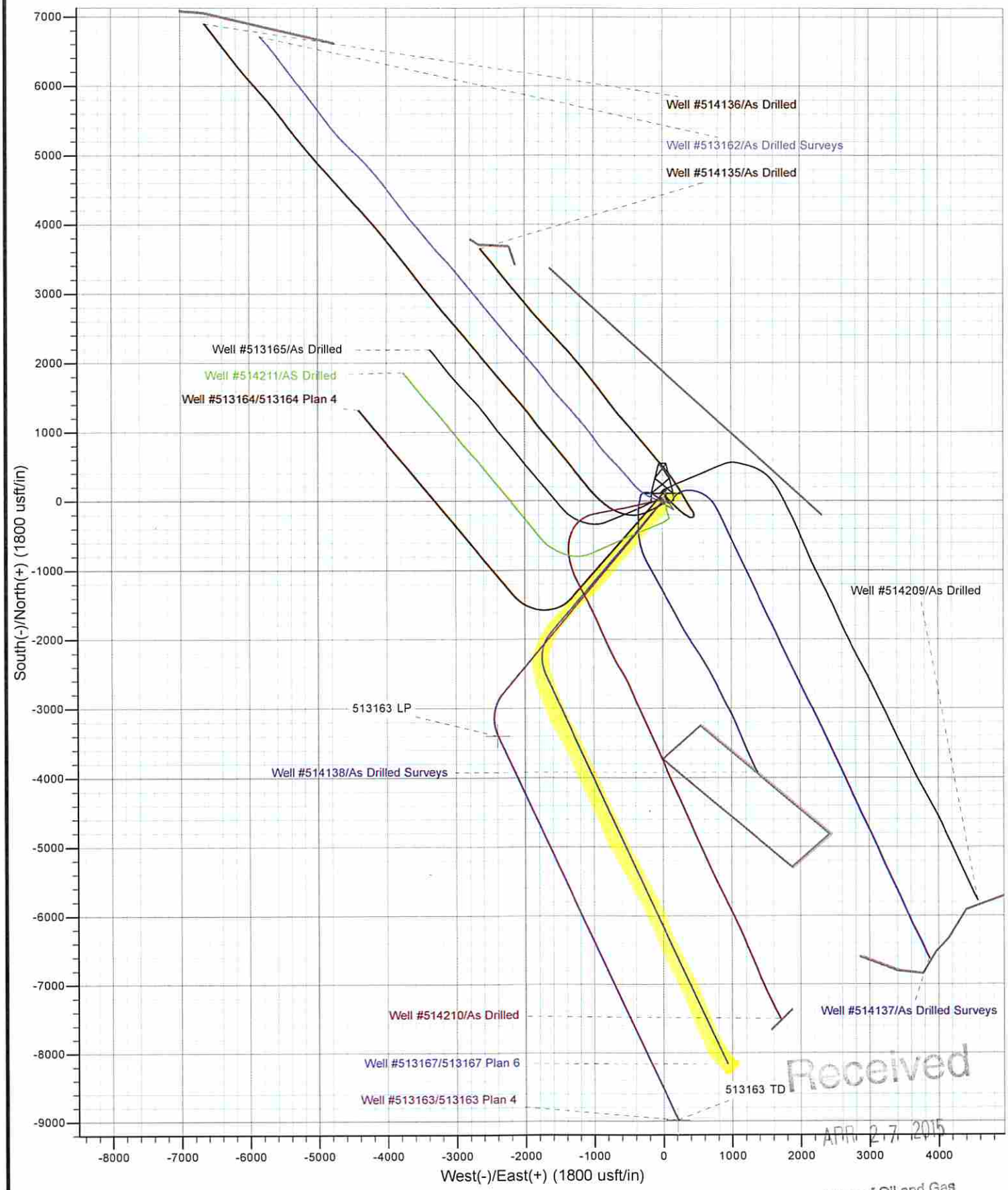

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APR 27 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

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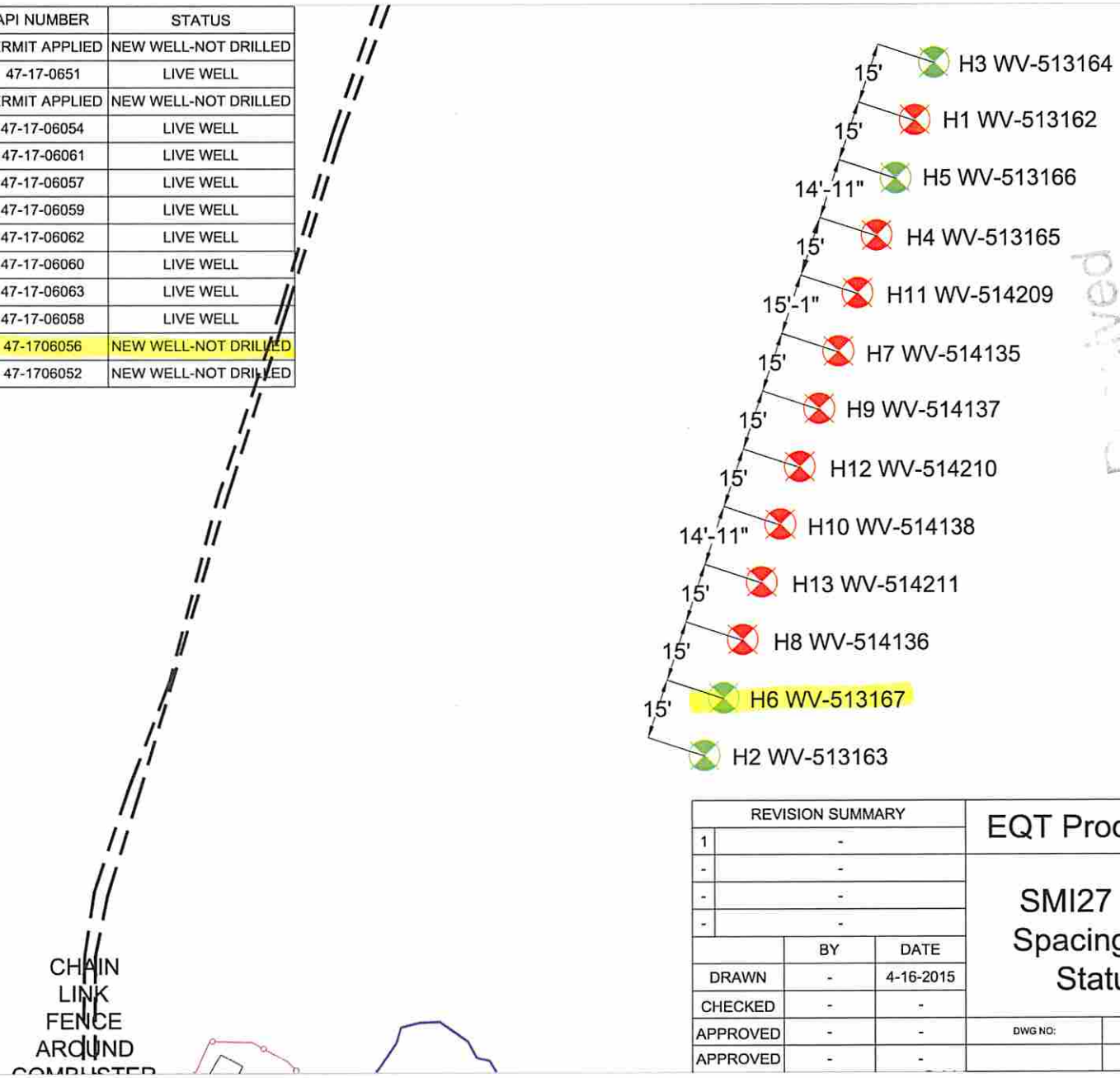
WELL NUMBER	API NUMBER	STATUS
513164	PERMIT APPLIED	NEW WELL-NOT DRILLED
513162	47-17-0651	LIVE WELL
513166	PERMIT APPLIED	NEW WELL-NOT DRILLED
513165	47-17-06054	LIVE WELL
514209	47-17-06061	LIVE WELL
514135	47-17-06057	LIVE WELL
514137	47-17-06059	LIVE WELL
514210	47-17-06062	LIVE WELL
514138	47-17-06060	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

SMI27 Well Spacing and Status

DWG NO:

PAGE: 1 OF 1

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