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west virginia department of environmental protection

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

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

## PERMIT MODIFICATION APPROVAL

April 29, 2016

EQT PRODUCTION COMPANY  
120 PROFESSIONAL PLACE  
BRIDGEPORT, WV 26330

Re: Permit Modification Approval for API Number 10303038, Well #: 513983

Modified tracts well bore penetrates to abate 9416

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

  
Gene Smith  
Assistant Chief of Permitting  
Office of Oil and Gas

Promoting a healthy environment.

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

1) Well Operator: EQT Production Company 306686 Wetzel Grant Pine Grove  
Operator ID County District Quadrangle

2) Operator's Well Number: 513983 Well Pad Name: PNG103

3) Farm Name/Surface Owner: Sharon Ann Scyoc Public Road Access: Rt 20

4) Elevation, current ground: 1458.0 Elevation, proposed post-construction: 1458.0

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 Thickness and Expected Pressure(s):  
Marcellus, 7479' TVD, 50', 2620 PSI

8) Proposed Total Vertical Depth: 7519'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 12728'

11) Proposed Horizontal Leg Length: 3919'

12) Approximate Fresh Water Strata Depths: 72, 147, 783'

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

14) Approximate Saltwater Depths: 2193, 2493'

15) Approximate Coal Seam Depths: 1060, 1167'

16) Approximate Depth to Possible Void (coal mine, karst, other): none

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes \_\_\_\_\_ No

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

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18)

**CASING AND TUBING PROGRAM**

<b>TYPE</b>	<b>Size (in)</b>	<b>New or Used</b>	<b>Grade</b>	<b>Weight per ft. (lb/ft)</b>	<b>FOOTAGE: For Drilling (ft)</b>	<b>INTERVALS: Left in Well (ft)</b>	<b>CEMENT: Fill-up (Cu. Ft.)/CTS</b>
Conductor	26	New	A-500	85.6	80	80	115.64 ft <sup>3</sup> / CTS
Fresh Water	13 3/8	New	J-55	54.5	1298	1298	1276.8 ft <sup>3</sup> / CTS
Coal							
Intermediate	9 5/8	New	A-500	40	3370	3370	1516.3 ft <sup>3</sup> / CTS
Production	5 1/2	New	P-110	20	12728	12728	2215.12 ft <sup>3</sup>
Tubing	2 3/8		J-55	4.7		May not be run, if run set 40' above top perf or 80° inclination	
Liners							

<b>TYPE</b>	<b>Size (in)</b>	<b>Wellbore Diameter (in)</b>	<b>Wall Thickness (in)</b>	<b>Burst Pressure (psi)</b>	<b>Anticipated Max. Internal Pressure (psi)</b>	<b>Cement Type</b>	<b>Cement Yield (cu. ft./k)</b>
Conductor	26	30	.312	884	707	Class A	1.18
Fresh Water	13 3/8	17 1/2	.38	2700	2160	Class A	1.14
Coal							
Intermediate	9 5/8	12 3/8	.395	3950	3160	Class A	1.18
Production	5 1/2	8 1/2	.361	12640	10112	Class A/H	1.26/1.97
Tubing	2 3/8	NA	.19	7700			
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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

Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical to an approximate depth of 3735'. Kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

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 internal casing pressure is expected to be approximately 10000 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): no additional

22) Area to be disturbed for well pad only, less access road (acres): no additional

23) Describe centralizer placement for each casing string:

- Surface: Bow spring centralizers – On joints 1,3,25
- Intermediate: Bow spring centralizers– One centralizer at the shoe and one spaced every 500'.
- Production: One solid body centralizer spaced every joint from production casing shoe to 4000'.

24) Describe all cement additives associated with each cement type:

Conductor: Class A no additives  
 Surface (Type 1 Cement): 0-3% Calcium Chloride. Used to speed the setting of cement slurries  
 Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Used to speed the setting of cement slurries.  
 Production:  
 Lead (Type A Cement): 50:50 POZ:Premium Class 'A' + 0.3% Super FL-300 + 0.2% Air-Out + 0.25% Super CR-1 + 0.25% SEC - 10  
 Tail (Type H Cement): 60% Super Acid Soluble + 0.3% Super FL -200 + 0.3% SEC - 10 + 0.15% Super CR-1 + 0.2% Air-Out + 0.3% Super FL-350ity.

25) Proposed borehole conditioning procedures:

Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.  
 Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.  
 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.

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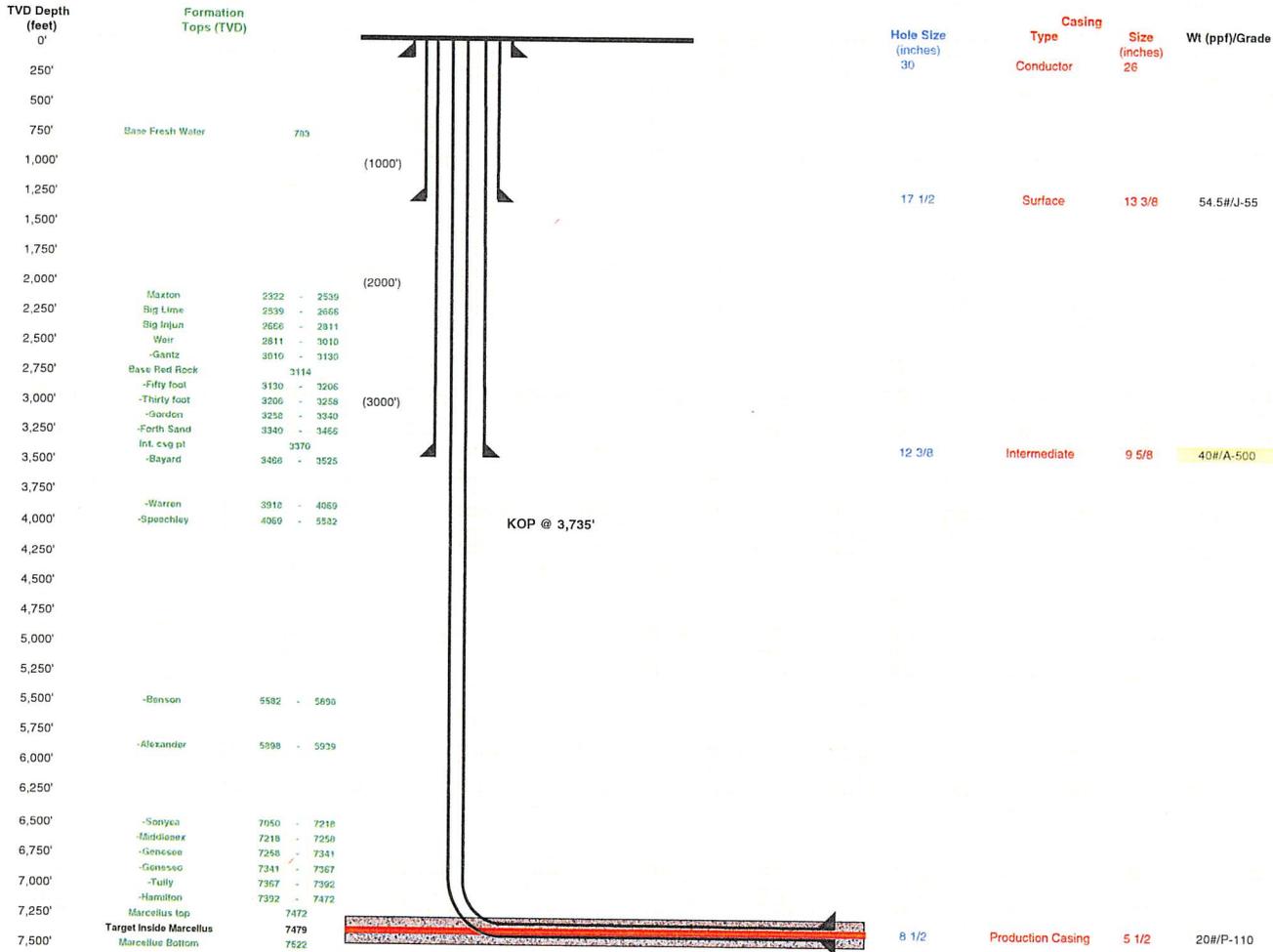
\*Note: Attach additional sheets as needed.

APR 20 2016

4710303038

Well 513983(PNG103H14)  
 EQT Production  
 Pine Grove  
 Wetzel West Virginia

Azimuth 168.5  
 Vertical Section 5147



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 3735'.  
 Then kick off the horizontal leg into the Marcellus using a slick water frac.

Land curve @ 7,479' ft TVD / 8,809' ft MD  
 Est. TD @ 7,519' ft TVD / 12,728' ft MD  
 3,919' ft Lateral

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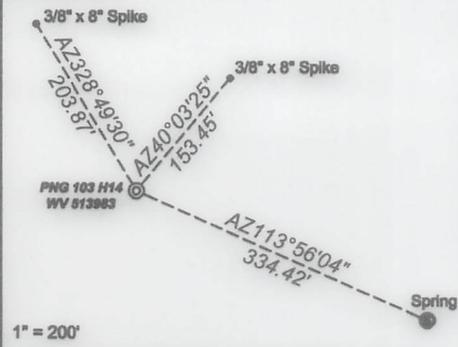
**WV 513983**  
**EQT Production Company**  
**47-103-03038**

LATITUDE 39 - 35 - 00

ADJOINER TABLE	
TAX MAP PARCEL NO.	ADJOINER
17 2.1	Goldie Leak
17 2.2	Homer J. and Karen E. LeMasters
17 9	John A. Spencer
17 40.1	Homer J. and Karen E. LeMasters

LONGITUDE 80 - 37 - 30  
6,545'

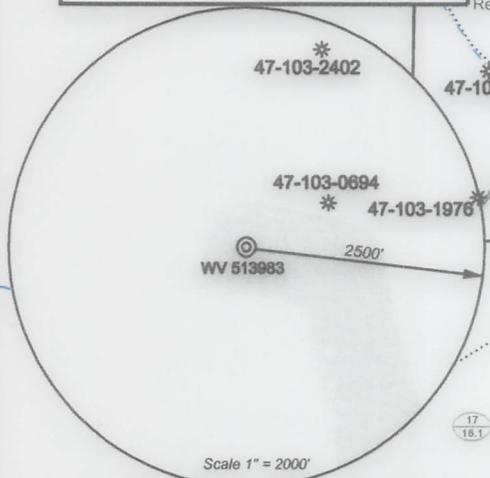
**Well References**



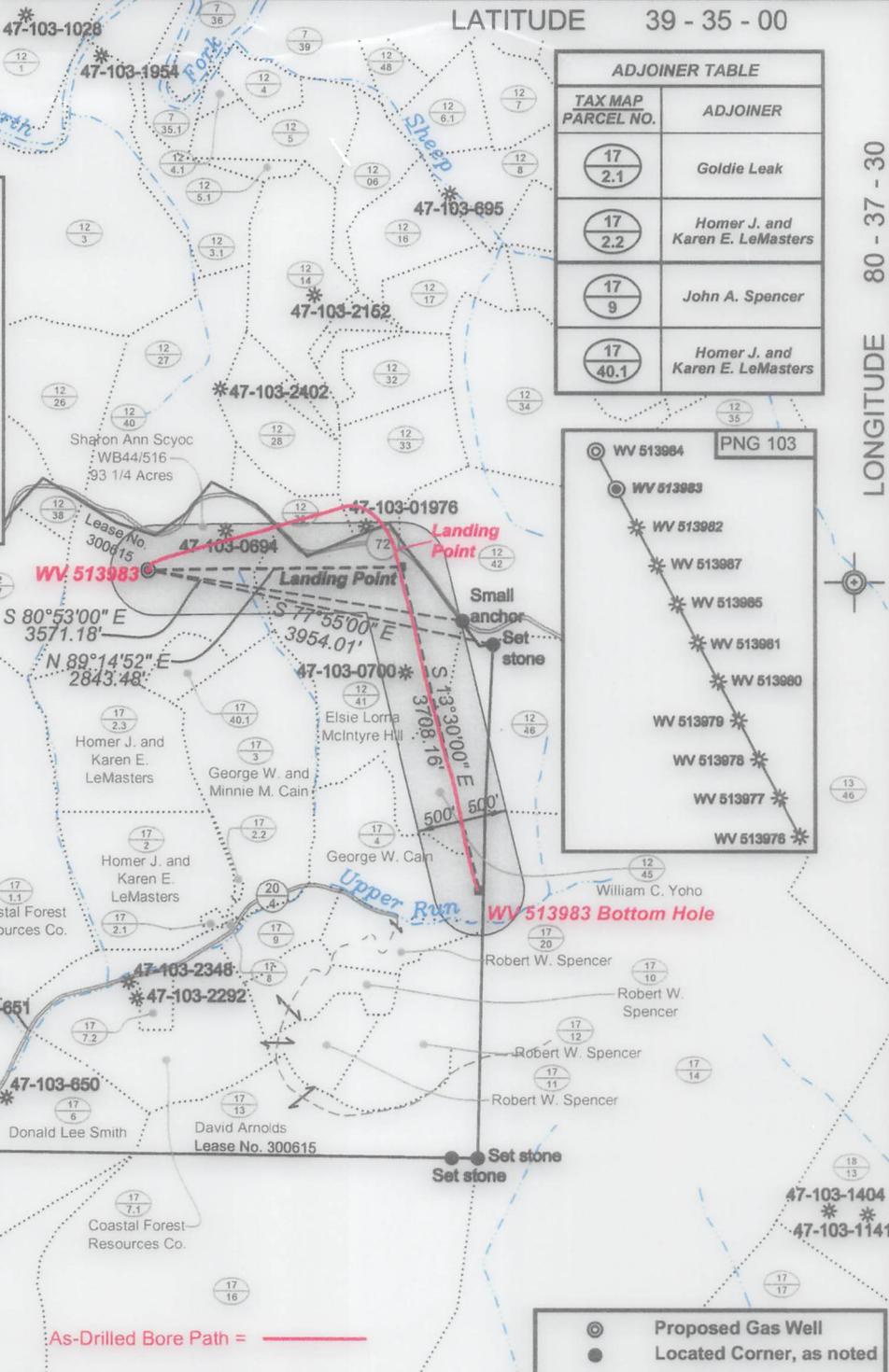
1" = 200'

**As-Drilled Well Information**  
 WV 513983 coordinates are:  
 Nad 83, North Zone, feet  
 N: 390,078.77 E: 1,650,936.52  
 Nad 83 UTM, Zone 17 meters  
 UTM N: 4,379,601.14 E: 532,084.38  
 WV 513983 Landing Point coordinates are:  
 Nad 83, North Zone, feet  
 N: 390,308.49 E: 1,653,704.29  
 Nad 83 UTM, Zone 17 meters  
 UTM N: 4,379,685.20 E: 532,926.43  
 WV 513983 Bottom Hole coordinates are:  
 Nad 83, North Zone, feet  
 N: 386,504.22 E: 1,654,631.33  
 Nad 83 UTM, Zone 17 meters  
 UTM N: 4,378,530.91 E: 533,228.21

GRID NORTH



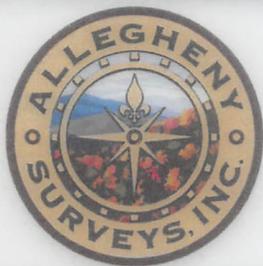
Scale 1" = 2000'



As-Drilled Bore Path = ———

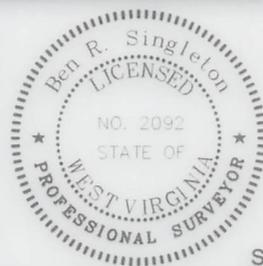
- ⊙ Proposed Gas Well
- Located Corner, as noted
- ⋯ Surface Tract Lines
- Lease Boundary

(⊙) Denotes Location of Well on United States Topographic Maps



*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 Department of Environmental Protection.*

*Ben P. Seltzer*  
P.S. 2092



SEAL

FILE NO: 212-34-G-10  
 DRAWING NO: 212-10 PNG 103 H14.dwg  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1:2500  
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: March 2 20 15  
 OPERATOR'S WELL NO. WV 513983  
 API WELL NO. 47 - 103 - 03038 #6A  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1458' WATERSHED Upper Run QUADRANGLE: Pine Grove  
 DISTRICT: Grant COUNTY: Wetzel  
 SURFACE OWNER: Sharon Ann Scyoc ACREAGE: 93 1/4  
 ROYALTY OWNER: Shiben Estates, Inc. LEASE NO: 300615 ACREAGE: 1,104  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD 7,450 MD 15,100

WELL OPERATOR: **EQT Production Company** DESIGNATED AGENT: Rex C. Ray  
 ADDRESS: **PO Box 280 / 115 Professional Place** ADDRESS: **PO Box 280 / 115 Professional Place**  
**Bridgeport, WV 26330** **Bridgeport, WV 26330**

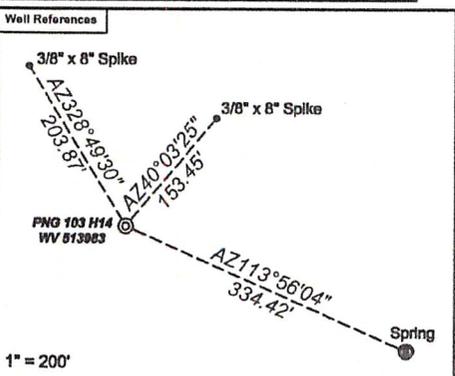
4710303038 *map*

460'

**WV 513983**  
**EQT Production Company**  
**47-103-03038**

LATITUDE 39 - 35 - 00

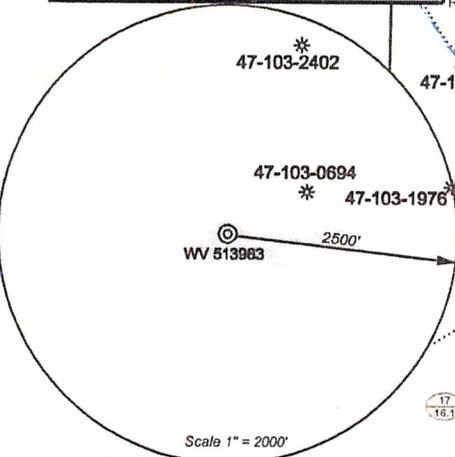
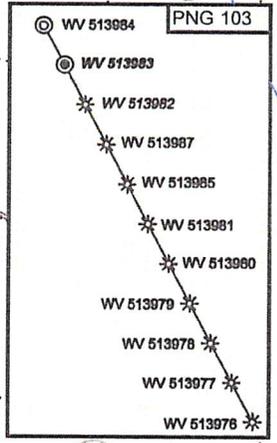
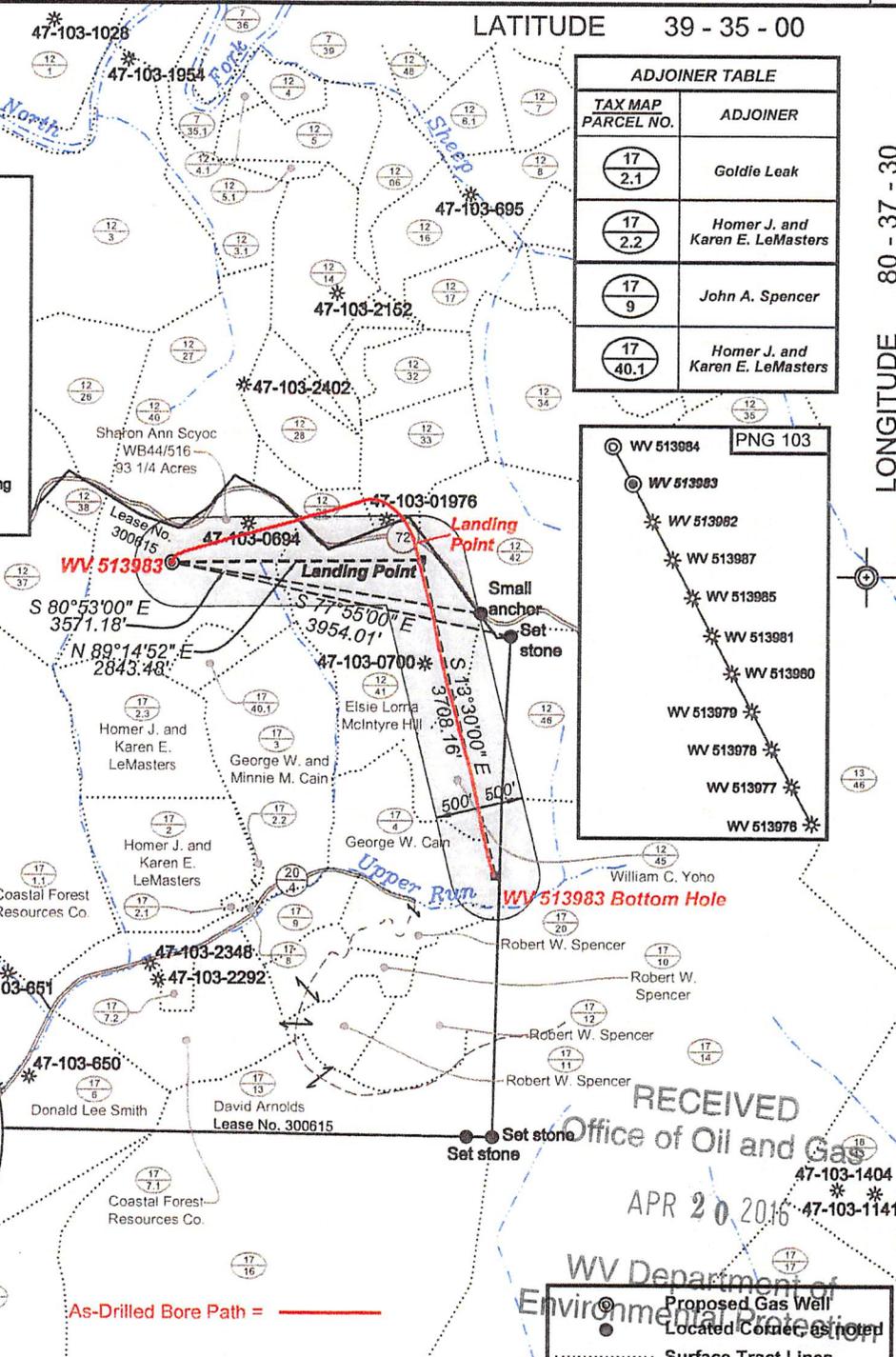
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GRID NORTH

LONGITUDE 80 - 37 - 30  
6,545'



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WV Department of Environmental Protection  
 Proposed Gas Well Located Corner as noted

(+ ) Denotes Location of Well on United States Topographic Maps



*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 Department of Environmental Protection.*

*Ben P. Singleton*  
 P.S. 2092



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STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: March 2 20 15  
 OPERATOR'S WELL NO. WV 513983  
 API WELL NO. 47 - 103 - 03038 *map*  
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
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 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
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WELL OPERATOR: **EQT Production Company** DESIGNATED AGENT: Rex C. Ray  
 ADDRESS: PO Box 280 / 115 Professional Place ADDRESS: PO Box 280 / 115 Professional Place  
 Bridgeport, WV 26330 Bridgeport, WV 26330

**MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT**

**1. NAME AND ADDRESS OF GRANTOR:**

Eddie Lee Scyoc  
5262 Yates Road  
Salem, OH 44460

**2. NAME AND ADDRESS OF GRANTEE:**

**EQT Production Company**  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

**PIPELINE RIGHT-OF-WAY REFERENCE:** Subsurface Right-of-Way and Easement Agreement, dated the 9<sup>th</sup> day of January, 2015, was entered into for good and valuable consideration by and between Eddie Lee Scyoc, (hereinafter referred to as Grantor, whether one or more) and **EQT Production Company** (hereinafter referred to as Grantee).

**3. DESCRIPTION OF THE OPTIONED PREMISES:** Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").

**4. TERM:** The Subsurface Right-of-Way shall run with the land and shall remain in force and effect until released and relinquished by the Grantee back to the Grantor, in writing.

**(Remainder of page left blank intentionally)**

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MOV

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

Eddie Lee Scyoc  
Eddie Lee Scyoc

GRANTEE:

[Signature]  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF Ohio

COUNTY OF Columbiana

Before me, Lorraine J. Edgerton, a Notary Public, on this day personally appeared Eddie Lee Scyoc known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 16<sup>th</sup> day of January, 2015.

My Commission expires: 3-11-19

[Signature]  
Notary Public



Lorraine J. Edgerton

Notary Public, State of Ohio

My commission Expires March 11, 2019

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Kathryn L. Lister, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 2<sup>nd</sup> day of January, 2015.

My Commission expires: May 16, 2011

[Signature]  
Notary Public

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WV Department of  
Environmental Protection



**MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT**

**1. NAME AND ADDRESS OF GRANTOR:**

David Scyoc  
176 West Main Extension  
Leetonia, OH 44431

**2. NAME AND ADDRESS OF GRANTEE:**

**EQT Production Company**  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

**PIPELINE RIGHT-OF-WAY REFERENCE:** Subsurface Right-of-Way and Easement Agreement, dated the 15th day of January, 2015, was entered into for good and valuable consideration by and between David Scyoc, (hereinafter referred to as Grantor, whether one or more) and **EQT Production Company** (hereinafter referred to as Grantee).

- 3. DESCRIPTION OF THE OPTIONED PREMISES:** Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").
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(Remainder of page left blank intentionally)

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4710303038  
me 17

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

David Scyoc  
David Scyoc

GRANTEE:

[Signature] BWBA  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF Ohio

COUNTY OF Columbiana

Before me, Renée L. Hillier, a Notary Public, on this day personally appeared David Scyoc known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 20 day of January,



My Commission expires 2-3-19  
RENEE L. HILLIER  
Notary Public, State of Ohio  
My Commission Expires 2-3-19

Renée L. Hillier  
Notary Public

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 20 day of January 2015.

My Commission expires: May 16, 2024



Katelyn L. Liston  
Notary Public

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Office of Oil and Gas

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This instrument was prepared by Harry T. Mullenburg Jr., EQT Production Company, 625 Liberty Avenue, Suite 1700, Pittsburgh, Pennsylvania 15222.

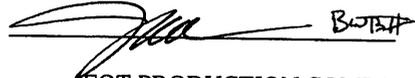
4710303038

MEV

**Declaration of Consideration of Value**

The Grantee hereby declares that the consideration being paid to Grantor for the transfer of real estate is \$                     .

Given under my hand this 24<sup>th</sup> day of February, 2015.



EQT PRODUCTION COMPANY  
John W. Damato  
Attorney-In-Fact

Carol S. Hayslett  
WETZEL County 11:55:12 AM  
Instrument No 177340  
Date Recorded 03/27/2015  
Document Type R/W  
Pages Recorded 3  
Book Page 112-436  
Recording Fee \$5.00  
Transfer Tax \$2.20  
Additional \$26.00

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WV Department of  
Environmental Protection

**MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT**

**1. NAME AND ADDRESS OF GRANTOR:**

Cheryl L. Scyoc Hillberry  
3587 Buffalo Brink Road  
Mannington, WV 26582

**2. NAME AND ADDRESS OF GRANTEE:**

**EQT Production Company**  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

**PIPELINE RIGHT-OF-WAY REFERENCE:** Subsurface Right-of-Way and Easement Agreement, dated the 9th day of January, 2015, was entered into for good and valuable consideration by and between Cheryl L. Scyoc Hillberry, (hereinafter referred to as Grantor, whether one or more) and **EQT Production Company** (hereinafter referred to as Grantee).

- 3. DESCRIPTION OF THE OPTIONED PREMISES:** Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").
- 4. TERM:** The Subsurface Right-of-Way and Easement Agreement shall run with the land and shall remain in force and effect until released and relinquished by the Grantee back to the Grantor, in writing.

**(Remainder of page left blank intentionally)**

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Office of Oil and Gas

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WV Department of  
Environmental Protection

MOO

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

Cheryl L. Scyoc Hillberry  
Cheryl L. Scyoc Hillberry

GRANTEE:

[Signature] EWBT  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF WEST VIRGINIA

COUNTY OF WETZEL

Before me, BRYSON J. KARP, a Notary Public, on this day personally appeared Cheryl L. Scyoc Hillberry known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the instrument for the purposes and consideration therein expressed as her free act and deed. Given under my hand and seal of office this 13<sup>th</sup> day of JAN., 2015.

My Commission expires: JAN. 1 2021

OFFICIAL SEAL  
COMMISSIONER FOR WEST VIRGINIA  
Bryson J. Karp  
Weston, WV  
My Commission Expires January 1, 2021

[Signature]  
Notary Public

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 14<sup>th</sup> day of January, 2015.

My Commission expires: May 16, 2024

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

Katelyn L. Liston  
Notary Public

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Office of Oil and Gas

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4710303038

*meo*

**Declaration of Consideration of Value**

The Grantee hereby declares that the consideration being paid to Grantor for the transfer of real estate is \$                     .

Given under my hand this 24<sup>th</sup> day of February, 2015



EQT PRODUCTION COMPANY  
John W. Damato  
Attorney-In-Fact

Carol S Haight  
WETZEL County 11:45:53 AM  
Instrument No 177336  
Date Recorded 03/27/2015  
Document Type R/W  
Pages Recorded 3  
Book-Page 112-424  
Recording Fee \$5.00  
Transfer Tax \$2.20  
Additional \$26.00

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APR 20 2016  
WV Department of  
Environmental Protection

meD

**MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT**

**1. NAME AND ADDRESS OF GRANTOR:**

Olive M. Scyoc Carl  
P.O. Box 52  
Jacksonburg, WV 26377

**2. NAME AND ADDRESS OF GRANTEE:**

**EQT Production Company**  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

**PIPELINE RIGHT-OF-WAY REFERENCE:** Subsurface Right-of-Way and Easement Agreement, dated the 9th day of January, 2015, was entered into for good and valuable consideration by and between Olive M. Scyoc Carl, (hereinafter referred to as Grantor, whether one or more) and **EQT Production Company** (hereinafter referred to as Grantee).

- 3. DESCRIPTION OF THE OPTIONED PREMISES:** Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").
- 4. TERM:** The Subsurface Right-of-Way and Easement Agreement shall run with the land and shall remain in force and effect until released and relinquished by the Grantee back to the Grantor, in writing.

(Remainder of page left blank intentionally)

RECEIVED  
Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

noV

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

Olive M. Scyoc Carl  
Olive M. Scyoc Carl

GRANTEE:

[Signature] BWDL  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF WEST VIRGINIA

COUNTY OF WETZEL

Before me, BRYSON J. KARP, a Notary Public, on this day personally appeared Olive M. Scyoc Carl known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the instrument for the purposes and consideration therein expressed as her free act and deed. Given under my hand and seal of office this 13<sup>th</sup> day of JAN, 2015.

My Commission expires: JAN. 1, 2021

OFFICIAL SEAL  
COMMISSIONER FOR WEST VIRGINIA  
Bryson J. Karp  
Weston, WV  
My Commission Expires January 1, 2021

[Signature]  
Notary Public

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 14<sup>th</sup> day of January, 2015.

My Commission expires: May 16, 2024

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

Katelyn L. Liston  
Notary Public

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Office of Oil and Gas

APR 20 2016

4710303038

**Declaration of Consideration of Value**

The Grantee hereby declares that the consideration being paid to Grantor for the transfer of real estate is \$ 0.00.

Given under my hand this 24<sup>th</sup> day of February, 2015.



EQT PRODUCTION COMPANY  
John W. Damato  
Attorney-In-Fact

Carol S Haught  
METZEL County 11:50:52 AM  
Instrument No 177338  
Date Recorded 03/27/2015  
Document Type R/A  
Pages Recorded 3  
Book-Page 112-430  
Recording Fee \$5.00  
Transfer Tax \$2.20  
Additional \$26.00

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WV Department of  
Environmental Protection

**MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT**

**1. NAME AND ADDRESS OF GRANTOR:**

Earl E. Scyoc  
9937 Lusk Lock Road.  
Lisbon, OH 44432

**2. NAME AND ADDRESS OF GRANTEE:**

**EQT Production Company**  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

**PIPELINE RIGHT-OF-WAY REFERENCE:** Subsurface Right-of-Way and Easement Agreement, dated the 9<sup>th</sup> day of January, 2015, was entered into for good and valuable consideration by and between Earl E. Scyoc, (hereinafter referred to as Grantor, whether one or more) and **EQT Production Company** (hereinafter referred to as Grantee).

- 3. DESCRIPTION OF THE OPTIONED PREMISES:** Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").
- 4. TERM:** The Subsurface Right-of-Way and Easement shall run with the land and shall remain in force and effect until released and relinquished by the Grantee back to the Grantor, in writing.

(Remainder of page left blank intentionally)

RECEIVED  
Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

Earl E. Scyoc  
Earl E. Scyoc

GRANTEE:

[Signature] BWP  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF OHIO

COUNTY OF LOMBARDIANA

Before me, BRYSON J. KARP, a Notary Public, on this day personally appeared Earl E. Scyoc known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 20<sup>th</sup> day of JANUARY, 2015.

My Commission expires: JAN. 1, 2021

OFFICIAL SEAL  
COMMISSIONER FOR WEST VIRGINIA  
Bryson J. Karp  
Weston, WV  
My Commission Expires January 1, 2021

[Signature]  
Notary Public

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 20<sup>th</sup> day of JANUARY, 2015.

My Commission expires: May 16, 2021

OFFICIAL SEAL  
Notary Public, State of West Virginia  
KATELYN L. LISTON  
1306 Sereno Drive  
Fairmont, WV 26554  
My commission expires May 16, 2021

Katelyn L. Liston  
Notary Public

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Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

4710303038

**Declaration of Consideration of Value**

The Grantee hereby declares that the consideration being paid to Grantor for the transfer of real estate is \$ ~~500.00~~ \_\_\_\_\_.

Given under my hand this 26th day of February, 2015.

 B00B1

EQT PRODUCTION COMPANY  
John W. Damato  
Attorney-In-Fact

Carol S Haight  
WETZEL County 11:53:53 AM  
Instrument No 177339  
Date Recorded 03/27/2015  
Document Type R/W  
Pages Recorded 3  
Book-Page 112-433  
Recording Fee \$5.00  
Transfer Tax \$2.20  
Additional \$26.00

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**Office of Oil and Gas**

APR 20 2016

WV Department of  
Environmental Protection

WW-6A1  
(5/13)

Operator's Well No. 513983

**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
see attached				

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

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

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

RECEIVED  
Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

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: [Signature]  
 Its: Permitting Supervisor

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

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

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

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<b>LEASE# 300615</b>			<b>1/8 Min Pd.</b>	
	D.H. Cox & S. J. Cox	South Penn Oil Company		31/577
	South Penn Oil Co.	Mountain State Gas Company		38/315
	Mountain State Gas Co.	Hope Natural Gas Company		67/625
	Hope Natural Gas Co.	Consolidated Gas Supply Company		233/387
	Consolidated Gas Supply Co.	Consolidated Gas Transmission Corp.		66A/69
	Consolidated Gas Transmission Corp	CNG Transmission Corp.		13/151
	CNG Transmission Corp.	Eastern States Oil & Gas Company		76A/232
	Eastern States Oil & Gas Co.	Blazer Energy Corp.		cer/corp 12/253
	Blazer Energy Corp	Eastern States Oil & Gas Company		cer/corp 12/259
	Eastern States Oil & Gas Co.	Equitable Production-Eastern States Oil & Gas		cer/corp 13/14
	Equitable Production-Eastern States Oil & Gas	Equitable Production Co.		cer/corp 13/14
	Equitable Production Co.	EQT Production Company		cer/corp 13/14
04-12-33	William J. Scyoc, et al	EQT Production Compnay	N/A	Sub Surface Attached
04-12-39	William J. Scyoc, et al	EQT Production Compnay	N/A	Sub Surface Attached

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

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

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

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

RECEIVED  
Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies any 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: [Signature]  
Its: Permitting Supervisor

**MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT**

**1. NAME AND ADDRESS OF GRANTOR:**

William F. Scyoc  
325 East Railroad Street  
Columbiana, OH 44408

**2. NAME AND ADDRESS OF GRANTEE:**

**EQT Production Company**  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

**PIPELINE RIGHT-OF-WAY REFERENCE:** Subsurface Right-of-Way and Easement Agreement, dated the 9<sup>th</sup> day of January, 2015, was entered into for good and valuable consideration by and between William F. Scyoc, (hereinafter referred to as Grantor, whether one or more) and **EQT Production Company** (hereinafter referred to as Grantee).

- 3. DESCRIPTION OF THE OPTIONED PREMISES:** Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").
- 4. TERM:** The Subsurface Right-of-Way and Easement shall run with the land and shall remain in force and effect until released and relinquished by the Grantee back to the Grantor, in writing.

(Remainder of page left blank intentionally)

RECEIVED  
Office of Oil and Gas  
APR 20 2016  
WV Department of  
Environmental Protection

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

William F. Scyoc  
William F. Scyoc

GRANTEE:

John W. Damato  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF OHIO

COUNTY OF Mahoning



Before me, Amanda Congemi, a Notary Public, on this day personally appeared William F. Scyoc known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 12 day of January, 2015.

My Commission expires: 12/4, 2016

AMANDA CONGEMI  
Notary Public, State of Ohio  
My Commission Expires  
DECEMBER 04, 2016

Amanda Congemi  
Notary Public

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 27 day of January, 2015.

My Commission expires: May 16, 2014



Katelyn L. Liston  
Notary Public

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Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

Declaration of Consideration of Value

The Grantee hereby declares that the consideration being paid to Grantor for the transfer of real estate is \$                     .

Given under my hand this 24<sup>th</sup> day of February, 2015

 BWBH

EQT PRODUCTION COMPANY  
John W. Damato  
Attorney-In-Fact

Carol S Haught  
WETZEL County 11:59:58 AM  
Instrument No 177343  
Date Recorded 03/27/2015  
Document Type R/A  
Pages Recorded 3  
Book-Page 112-445  
Recording Fee \$5.00  
Transfer Tax \$2.20  
Additional \$26.00

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Office of Oil and Gas

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WV Department of  
Environmental Protection

**MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT**

**1. NAME AND ADDRESS OF GRANTOR:**

Shirley Scyoc Morris  
HC 61 Box 28A  
Willeyville, WV 26581

**2. NAME AND ADDRESS OF GRANTEE:**

**EQT Production Company**  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

**PIPELINE RIGHT-OF-WAY REFERENCE:** Subsurface Right-of-Way and Easement Agreement, dated the 9<sup>th</sup> day of January, 2015, was entered into for good and valuable consideration by and between Shirley Scyoc Morris, (hereinafter referred to as Grantor, whether one or more) and **EQT Production Company** (hereinafter referred to as Grantee).

- 3. DESCRIPTION OF THE OPTIONED PREMISES:** Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").
- 4. TERM:** The Subsurface Right-of-Way and Easement Agreement shall run with the land and shall remain in force and effect until released and relinquished by the Grantee back to the Grantor, in writing.

(Remainder of page left blank intentionally)

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Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

Shirley Scyoc Morris  
Shirley Scyoc Morris

GRANTEE:

[Signature] BWBF  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF WEST VIRGINIA

COUNTY OF WETZEL

Before me, BRYSON J. KARP, a Notary Public, on this day personally appeared Shirley Scyoc Morris known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the instrument for the purposes and consideration therein expressed as her free act and deed. Given under my hand and seal of office this 13<sup>th</sup> day of JAN., 2015.

My Commission expires: JAN. 1, 2021

OFFICIAL SEAL  
COMMISSIONER FOR WEST VIRGINIA  
Bryson J. Karp  
Weston, WV  
My Commission Expires January 1, 2021

[Signature]  
Notary Public

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 14<sup>th</sup> day of January, 2015.

My Commission expires: May 16, 2024

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

Katelyn L. Liston  
Notary Public

RECEIVED  
Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

Declaration of Consideration of Value

The Grantee hereby declares that the consideration being paid to Grantor for the transfer of real estate is \$ ~~\_\_\_\_\_~~.

Given under my hand this 2<sup>nd</sup> day of February, 2015.



EQT PRODUCTION COMPANY  
John W. Damato  
Attorney-In-Fact

Carol S Haupt  
MEEZEL County 12:16:40 PM  
Instrument No 177354  
Date Recorded 03/27/2015  
Document Type R/W  
Pages Recorded 3  
Book-Page 112-448  
Recording Fee \$5.00  
Transfer Tax \$2.20  
Additional \$26.00

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WV Department of  
Environmental Protection

**MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT**

1. **NAME AND ADDRESS OF GRANTOR:**

J. R. Scyoc  
118 Belgian Lane  
Lumberport, WV 26386

2. **NAME AND ADDRESS OF GRANTEE:**

**EQT Production Company**  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

**PIPELINE RIGHT-OF-WAY REFERENCE:** Subsurface Right-of-Way and Easement Agreement, dated the 9<sup>th</sup> day of January, 2015, was entered into for good and valuable consideration by and between J. R. Scyoc, (hereinafter referred to as Grantor, whether one or more) and **EQT Production Company** (hereinafter referred to as Grantee).

3. **DESCRIPTION OF THE OPTIONED PREMISES:** Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").

4. **TERM:** The Subsurface Right-of-Way and Easement shall run with the land and shall remain in force and effect until released and relinquished by the Grantee back to the Grantor, in writing.

**(Remainder of page left blank intentionally)**

RECEIVED  
Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

J. R. Scyoc  
J. R. Scyoc

GRANTEE:

[Signature] <sup>By</sup>  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF WEST VIRGINIA

COUNTY OF MARION

Before me, BRYSON J KARP, a Notary Public, on this day personally appeared J. R. Scyoc known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 13<sup>th</sup> day of JAN., 2015.

My Commission expires: JAN. 1 2021

OFFICIAL SEAL  
COMMISSIONER FOR WEST VIRGINIA  
Bryson J. Karp  
Weston, WV  
My Commission Expires January 1, 2021

[Signature]  
Notary Public

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 14<sup>th</sup> day of January, 2015.

My Commission expires: May 16, 2024

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

Katelyn L. Liston  
Notary Public

RECEIVED  
Office of Oil and Gas

APR 20 2016

WV Department of  
Environmental Protection

Declaration of Consideration of Value

The Grantee hereby declares that the consideration being paid to Grantor for the transfer of real estate is \$ 500,000.

Given under my hand this 24th day of February, 2015.

 BWSH

EQT PRODUCTION COMPANY  
John W. Damato  
Attorney-In-Fact

Carol S. Haught  
WETZEL County 11:57:44 AM  
Instrument No 177342  
Date Recorded 03/27/2015  
Document Type R/W  
Pages Recorded 3  
Book+Page 112-442  
Recording Fee \$5.00  
Transfer Tax \$2.20  
Additional \$26.00

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Office of Oil and Gas  
APR 20 2016  
WV Department of  
Environmental Protection

## SUBSURFACE RIGHT-OF-WAY AND EASEMENT AGREEMENT

This SUBSURFACE RIGHT-OF-WAY AND EASEMENT AGREEMENT ("Agreement") is made the 9th day of January, 2015, between William F. Scyoc, (hereinafter "Grantor" whether one or more), whose address is 325 East Railroad Street, Columbiana, OH 44408 and **EQT PRODUCTION COMPANY**, (hereinafter "EQT"), whose corporate headquarters are located at 625 Liberty Avenue, Suite 1700, Pittsburgh, PA, 15222.

1. **Property.** Grantor owns that certain tract of land located in Grant District, Wetzel County, West Virginia (the "Land") containing 54.87 acres, more or less, and conveyed to Grantor in Will Book 44, at page 516.

Tax Map and Parcel # 04-12-33 and 4-12-39

2. **Subsurface.** For purposes of this Agreement, the subsurface shall be limited to the subsurface region and underground lying below the deepest economically mineable and merchantable coal seam.

3. **Grant.** In consideration of Ten Dollars and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantor grants to EQT a non-exclusive, perpetual right of way and subsurface easement within and underlying the Land for the purpose of locating and maintaining one or more wellbores for the production of hydrocarbons by EQT from EQT's adjacent mineral tracts and leases. This right of way and easement shall run with the land and shall remain in force and effect until released and relinquished by EQT back to the Grantor, in writing.

4. **Wellbores.** Upon completion of any wellbore within the subsurface underlying the Land (the "Subsurface Land"), the subsurface easement in the area of the wellbore and the one hundred (100') feet on each side of the wellbore that parallels it shall become an *exclusive* right of way and easement in that area. The final wellbore locations are as described in a final, as-built map(s) to be filed as a part of an affidavit in the aforesaid Clerk's Office following the completion of the following well(s): 513983. If an as-built map is not available for a wellbore located within the Subsurface Land, any third-party with the right to operate within the Subsurface Land may contact EQT's land department for a copy of such as-built map. EQT shall provide notice of additional wellbores located within the remaining Subsurface Land by filing an amendment, affidavit or other appropriate document.

5. **No Surface Operations.** This Agreement does not grant EQT the right to conduct any operations on the surface of the Land. No surface operations shall be conducted on the Land by EQT unless the parties enter into a separate agreement.

6. **Miscellaneous Provisions.**

- (a) This instrument may be executed in one or more counterparts, each of which will be deemed to be an original copy of this instrument and all of which will be deemed to comprise one single instrument.
- (b) The parties consent to the exclusive jurisdiction of either the United States District Court for the Western District of Pennsylvania or the Court of Common Pleas of Allegheny County, Pennsylvania, for any disputes or issues arising under, or in any way related to, this Agreement.
- (c) For no additional consideration, Grantor shall execute such further documents as may be reasonably requested by EQT from time to time to effectuate the intent of this Agreement.

IN WITNESS WHEREOF, effective as of the date first above written. This Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective successors, assigns, heirs and administrators and executors.

William F. Scyoc  
William F. Scyoc

**EQT PRODUCTION COMPANY**

John W. Damato **BWBIF**

By: John W. Damato

Its: Attorney-In-Fact

STATE OF OHIO  
COUNTY OF mahoning



Before me, Amanda Congemi, a Notary Public, on this day personally appeared William F. Scyoc, known to me and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 17 day of January, 2015.

My Commission expires: 12 4. 2016

AMANDA CONGEMI  
Notary Public, State of Ohio  
My Commission Expires  
DECEMBER 04, 2016

Amanda Congemi  
Notary Public

STATE OF WEST VIRGINIA  
COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared, John W. Damato known to me to be the Attorney-In-Fact of **EQT PRODUCTION COMPANY**, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 26<sup>th</sup> day of January, 2015.

My Commission expires: May 16. 2024



Katelyn L. Liston  
Notary Public

MEMORANDUM OF SUBSURFACE RIGHT-OF-WAY AND EASEMENT  
AGREEMENT

1. NAME AND ADDRESS OF GRANTOR:

William F. Scyoc  
325 East Railroad Street  
Columbiana, OH 44408

2. NAME AND ADDRESS OF GRANTEE:

EQT Production Company  
625 Liberty Avenue, Suite 1700  
Pittsburgh, PA 15222

PIPELINE RIGHT-OF-WAY REFERENCE: Subsurface Right-of-Way and Easement Agreement, dated the 9th day of January, 2015, was entered into for good and valuable consideration by and between William F. Scyoc, (hereinafter referred to as Grantor, whether one or more) and EQT Production Company (hereinafter referred to as Grantee).

3. DESCRIPTION OF THE OPTIONED PREMISES: Those certain tracts or parcels of land containing 54.87 acres, more or less, located in Wetzel County, West Virginia, and being more particularly described in a deed to Clearance William Scyoc and Ida May Scyoc, husband and wife, dated 09/26/1958, of record in Deed Book 212, Page 494, in the Office of the Recorder for Wetzel County, West Virginia ("the Property").
4. TERM: The Subsurface Right-of-Way and Easement shall run with the land and shall remain in force and effect until released and relinquished by the Grantee back to the Grantor, in writing.

(Remainder of page left blank intentionally)

IN WITNESS WHEREOF, the parties have signed their names hereto as of the date first above written.

GRANTORS:

William F. Scyoc  
William F. Scyoc

GRANTEE:

John W. Damato  
EQT Production Company

By: John W. Damato

Its: Attorney-In-Fact

STATE OF OHIO

COUNTY OF Mahoning



Before me, Amanda Congemi, a Notary Public, on this day personally appeared William F. Scyoc known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 17 day of January, 2015.

My Commission expires: 12 4, 2016

AMANDA CONGEMI  
Notary Public, State of Ohio  
My Commission Expires  
DECEMBER 04, 2016

Amanda Congemi  
Notary Public

STATE OF WEST VIRGINIA

COUNTY OF HARRISON

Before me, Katelyn L. Liston, a Notary Public, on this day personally appeared John W. Damato, known to me to be the Attorney-In-Fact of EQT Production Company, subscribed to the foregoing instrument, and acknowledged to me that he executed the instrument for the purposes and consideration therein expressed as his free act and deed. Given under my hand and seal of office this 20 day of January, 2015.

My Commission expires: May 16, 2024



Katelyn L. Liston  
Notary Public

## Adkins, Laura L

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**From:** Roark, Vicki <VRoark@eqt.com>  
**Sent:** Friday, February 26, 2016 8:47 AM  
**To:** Adkins, Laura L  
**Cc:** Brewer, Charles T; Smith, Gene C  
**Subject:** RE: AS DRILLED PLAT 103-03038  
**Attachments:** 4710303038 ww6a1 revision.pdf

Laura, I have attached a new ww6a1 form because the original did not have the subsurface agreement noted. I have also enclosed a copy of the subsurface recorded agreement and the road letter. Please let me know if you need anything further.

Vicki

**EQT** Where energy meets innovation.  
[www.eqt.com](http://www.eqt.com)

**From:** Adkins, Laura L [mailto:Laura.L.Adkins@wv.gov]  
**Sent:** Tuesday, February 23, 2016 10:26 AM  
**To:** Roark, Vicki  
**Cc:** Brewer, Charles T; Smith, Gene C  
**Subject:** AS DRILLED PLAT 103-03038

Vicki,

A few months ago we received the well record and as-drilled plat for the 513983 and the well bore is crossing a road that the original plat hadn't shown. Could you please send a letter verifying that the rights beneath the road (RT 72) have been obtained by EQT. We are going to modify the permit so that it's compliant.

Thank you,

Laura

Laura L. Adkins  
Environmental Resource Specialist III  
Permit Review  
WVDEP Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
304-926-0499 ext. 1495



April 21, 2016

Ms. Laura Adkins  
West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304

Re: Mylar plat 47-103-03038

Dear Laura,

Attached is the mylar to go with the revised WW6A1 that I dropped off yesterday.

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

Sincerely,

A handwritten signature in blue ink, appearing to read 'Vicki Roark'.

Vicki Roark  
Permitting Supervisor-WV

Enc.

RECEIVED  
Office of Oil and Gas  
APR 22 2016  
WV Department of  
Environmental Protection

## Kearney, John J

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**From:** Kearney, John J  
**Sent:** Tuesday, June 30, 2015 4:03 PM  
**To:** 'Helmick, Jim E.'  
**Cc:** Gene.C.Smith@wv.gov; Bass, Thomas L; Belcher, David J (David.J.Belcher@wv.gov); Martin, James A  
**Subject:** As-Drill Plat and Lease Line: Well 103-03038  
**Attachments:** 10303038 As-Drilled Plat.pdf

Mr. Helmick,

Please see the attached as-drilled plat from well API 103-03038, well number 513983 on the PNG 103 pad. The as-drilled well bore path crosses the lease boundary line as it was described in the permit application. No lease information was supplied or was included in the application, but the well bore path went off lease. All involved properties must be included in the application.

To remedy this situation, provide our permitting section with a request to modify this permit to include the affected neighboring leases, using an updated form WW-6A1. Please indicate to us whether EQT current possesses these leases. This is an important matter and should be completed ASAP. Thank you.

John Kearney  
Environmental Resource Analyst  
WVDEP – Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
304-926-0499 Ext. 1534

*Yes, I don't find  
that this problem was  
ever addressed by EQT.  
K*

*lease info  
road letter  
~~plat change within~~  
500'*

460'

513983  
tion Company  
3-03038

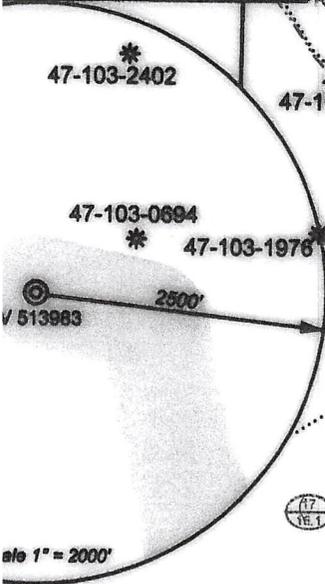
LATITUDE 39 - 35 - 00

ADJOINER TABLE	
TAX MAP PARCEL NO.	ADJOINER
17 2.1	Goldie Leak
17 2.2	Homer J. and Karen E. LeMasters
17 9	John A. Spencer
17 40.1	Homer J. and Karen E. LeMasters

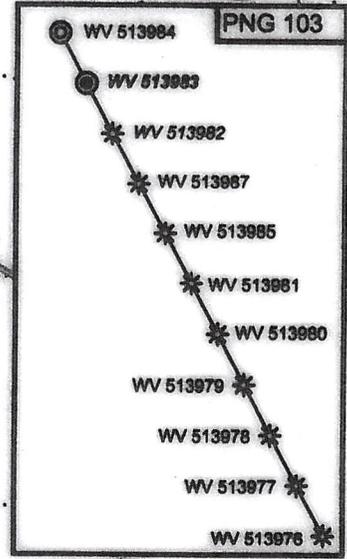
LONGITUDE 80 - 37 - 30  
6,545'

3/8" x 8" Spike  
AZ113°58'04"  
334.42'

Well Information  
83 coordinates are:  
North Zone, feet  
1.77 E: 1,650,936.52  
TM, Zone 17 meters  
9,801.14 E: 532,084.38  
Landing Point coordinates are:  
North Zone, feet  
1.49 E: 1,653,704.29  
TM, Zone 17 meters  
9,885.20 E: 532,926.43  
Bottom Hole coordinates are:  
North Zone, feet  
1.22 E: 1,654,631.33  
TM, Zone 17 meters  
8,530.91 E: 533,226.21



notes Location of Well on United States Topographic Maps



- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Lease Boundary

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 Department of Environmental Protection.

*Ben R. Singleton*  
P.S. 2092



PNG 103 H14.dwg  
ACCURACY:  
ELEVATION:  
Station

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

DATE: February 6 20 14  
OPERATOR'S WELL NO. WV 513983  
API WELL NO  
47 - 103 - 03038  
STATE COUNTY PERMIT

L  GAS  LIQUID INJECTION  WASTE DISPOSAL



April 20, 2016

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

Re: Revision of PNG103 (47-103-03038) for NOV # 9416

Dear Mr. Smith,

Enclosed is an updated WW-6B, schematics, WW-6A1, and plat. When permitting this well, we inadvertently overlooked and did not list on the WW-6A1 form, the sub-surface agreements we had obtained on parcels 04-12-33 and 04-12-39. Copies of the recorded agreements are attached. Also since we have already submitted the completion report, I have updated the WW-6B form to show the drilled casing.

Hopefully this information will abate the Notice of Violation no. 9416 dated March 14, 2016.

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

Sincerely,

A handwritten signature in blue ink, appearing to read 'Vicki Roark', is written over a light blue horizontal line.

Vicki Roark  
Permitting Supervisor-WV

Enc.

RECEIVED  
Office of Oil and Gas  
APR 20 2016  
WV Department of  
Environmental Protection

91 7199 9991 7035 6667 3946

VIOLATION NO. 9416

DATE March 14, 2016

FORM VI 27  
(REV 3-2007)

API NO. 47-103-03038

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

RECEIVED  
Office of Oil and Gas

APR 20 2016

NOTICE OF VIOLATION

WV Department of  
Environmental Protection

LOCATION: FARM NAME Scyoc, Sharon Ann WELL NO. 513983  
DISTRICT Grant COUNTY Wetzel

TO: EQT Production Company DESIGNATED AGENT Rex C. Ray  
ADDRESS 120 Professional Way ADDRESS 120 Professional Way  
Bridgeport, WV 26330 Bridgeport, WV 26300

The above well is being violated this 14<sup>th</sup> day of March, 2016, for a violation of the PERMIT issued by the Office of Oil and Gas, Department of Environmental Protection, set forth in detail as follows:

*Findings: The well permit was issued on 10/22/2014 that contained an original plat dated 8/25/2014. A well operator's report of well work WR-35 was received on 6/22/2015 that indicated drilling commenced on 10/24/2014 and drilling ceased on 2/04/2015; and the report contained an as-drilled plat that indicated a change of the well bore curve resulting in deviations to the original permit plat and to the necessities within §22-6-8(c). These findings are failure to follow the terms of the permit.*

To abate the violation you must:

*Submit to the Office of Oil and Gas a letter of explanation that resulted in the deviation from the original permit plat. In addition submit and obtain an approved permit modification accordingly and include the filing(s) as needed in pursuance to the §22-6-8(c) requirements.*

This violation notice is provided by certified mail to the person or Designated Agent named above.

You are hereby granted until March 21<sup>st</sup>, 2016, to abate this violation. Failure to abate the violation by that date will result in bond forfeiture and may result in assessment of civil penalties, filing of misdemeanor charges and/or an action for injunctive relief.

An informal conference with this enforcement section and the permitting manager should be arranged prior to the date set forth above for abatement of the violation.

If you wish to contest this violation, refer to procedures outlined in West Virginia Code 22-6-4.

SIGNED David J. Belcher David J. Belcher ADDRESS 601 57<sup>th</sup> Street SE

TITLE Assistant Chief Charleston, WV 25304

Received  
Office of Oil & Gas

TELEPHONE (304)926-0499 ext. 1647

MAR 14 2016

**UNTIL THE DISTRICT OIL AND GAS INSPECTOR ISSUING THIS NOTICE RECEIVES A CALL FROM YOU (THE OPERATOR) STATING THIS VIOLATION IS ABATED, IT WILL BE ASSUMED THAT THE VIOLATION REMAINS UNABATED.**