



west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, June 6, 2018
WELL WORK PERMIT
Horizontal 6A / Fracture

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for MARTIN 6H
47-103-02959-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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- 0450.

James A. Martin
Chief

Operator's Well Number:
Farm Name: MARTIN, CHARLES & GWENI
U.S. WELL NUMBER: 47-103-02959-00-00
Horizontal 6A Fracture
Date Issued: 6/6/2018

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 one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
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. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. 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.
10. 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.

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

FRAC

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 Green Porters Falls
Operator ID County District Quadrangle

2) Operator's Well Number: Martin 6H Well Pad Name: Martin

3) Farm Name/Surface Owner: Martin, Charles and Gwendolyn Public Road Access: WV RT 7

4) Elevation, current ground: 906 Elevation, proposed post-construction: 906

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, 6685, 48, 3800 and 4400 psig

DmH
4-11-18

8) Proposed Total Vertical Depth: 6685

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 12238

11) Proposed Horizontal Leg Length: 5100

12) Approximate Fresh Water Strata Depths: 100

13) Method to Determine Fresh Water Depths: Depth of bit when water shows in the flowline or when drilling soap is injected

14) Approximate Saltwater Depths: none reported

15) Approximate Coal Seam Depths: 624, 706, 742

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

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

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.)/CTS
Conductor	20	New	LS	94.1	85	85	40-CTS
Fresh Water	13.375	New	J55	54.5	907 KB - 897 GL	907 KB - 897 GL	484-CTS
Coal	13.375	New	J55	54.5	907 KB - 897 GL	907 KB - 897 GL	484-CTS
Intermediate	9.625	New	J55	36	2227	2227	Lead- 496 Tail-484 CTS
Production	5.5	New	P110	20	12238	12238	Lead- 421 Tail-2814 CTS
Tubing	2.375	New	J55				
Liners							

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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	N/A	17 psi	Type 1	1.18
Fresh Water	13.375	17.5	0.380	2730	2160 psi	Class A	1.21
Coal	13.375	17.5	0.380	2730	2160 psi	Class A	1.21
Intermediate	9.625	12.25	0.352	3520	2814 psi	Class A	Lead-1.24 Tail 1.21
Production	5.5	8.75	0.361	12360	10112 psi	Class A	Lead- 1.51 Tail- 1.20
Tubing	2.375		0.190	7700		N/A	
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:

well has been drilled to TD, propose to perforate and fracture the Marcellus and turn in to production

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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 350,000 barrels of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 400,000 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 casing had bow spring centralizers placed on joints 4, 8, 12, 16 and 20.
Intermediate casing had bow spring centralizers placed on joints 4, 8, 12, 16, 20, 24, 28 and 32.
Production casing had rigid spiral centralizers placed on every fourth joint beginning with joint 7 to joint 147. Ran a total of 36 rigid spiral centralizers. Ran bow spring centralizers from joint 152 to joint 232 on every fifth joint. A total of 17 bow spring centralizers were run.

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

-Fresh Water/Coal string is typically Class A cement with 0.25 pps Cello Flake, and 1.0% - 3.0% CaCl₂.
-Intermediate string uses a Lead/Tail slurry. Lead is Class A cement with 0.2 gps Accelerator, 0.08 gps Dispersant, 0.1 gps Anti-Foam, 4.0% Expanding Agent, and 0.5% Gas Migration Agent. Tail is Class A cement with 10% Salt, 0.25pps Cello Flake. Tail is Class A with 0.25 pps Cello-flake and 1.0% to 3.0% CaCl₂
-Production cement is a Lead/Tail blend with the lead being HES's GASSTOP blend w/ 0.8% Retarder and Tail being HES's HALCEM blend w/ 0.65% Retarder and 0.1% Dispersant or SLB with lead/tail with the lead being Class A w/ 10% salt or Class A w/ Flex Seal and the tail being Class A w/0.2% Dispersant, 0.4% Fluid Loss, 0.2% Anti-Foam, 0.15% Retarder, and 0.2% Anti-Settling Agent.

25) Proposed borehole conditioning procedures:

- Fresh Water/Coal section will be done by circulating air through the drill string at TD between 30 to 90 minutes or until the well bore clears of cuttings.
- Intermediate section will be conditioned by circulating air and/or stiff foam through the drill string at TD for 30 to 120 minutes until well bore clears of cuttings.
- Production section will be done by circulating drilling fluid through the drill string at TD for 120 to 720, minutes (a minimum of 3 bottoms up) until the shakers are clear of cuttings.

*Note: Attach additional sheets as needed.



March 12, 2018

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

Re: Martin well pad, well numbers MARTIN 3H, MARTIN 4H, MARTIN 6H
Green District, Wetzel County

Dear Mr. Martin,

EQT Production Company is submitting an application for a new well work permit for the above well number. 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.

Sincerely,

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

Erin Spine
Regional Land Manager-Permitting

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Well: Martin #6H
 State: West Virginia
 County: Wetzel
 District: Green
 Prospect: Mary
 Location: Surface: North = 4,384,788 East = 520,088 (UTM NAD 83)
 PBHL: North = 4,383,210 East = 521,104 (UTM NAD 83)
 PTD: 12800' MD / 6700' TVD

STONE ENERGY - PROPOSED HORIZONTAL

Revision: 27-Sept-13

Permit Number: 47-103-
 Permit Issued:
 Post Construction Ground Elevation: 906'
 Kelly Bushing: 18'
 Rig:
 Spud Date:
 TD Date:
 Rig Release Date:

HOLE SIZE	PILOT HOLE FORMATION TOPS	WELLBORE DIAGRAM	CASING & CEMENTING DATA DIRECTIONAL DATA	MW & FLUID TYPE	HOLE DEV.	
24" Hole then Driven	80' KB (62' BGL)		CONDUCTOR PIPE 20" x 3/8" wall L/S PE @ 40' (set in bedrock & grouted to surface)		Vertical	
17-1/2" Hole	Shallowest FW 50' TVD Pittsburgh Coal 720' TVD Deepest FW 725' TVD 900' TVD		SURFACE CASING 13-3/8" 54.5# J-55 STC @ 900' MD/TVD Set through fresh water zones Set through coal zones Cemented to surface	Air / Mist	Vertical	
12-1/4" Hole	Salt Water 1556' TVD Little Lime 1883' TVD Big Lime 1913' TVD Big Injun Sandstone 2013' TVD Base of Big Injun 2113' TVD 2245' TVD Berea Sandstone 2477' TVD Gordon Sandstone 2679' TVD		INTERMEDIATE CASING 9-5/8" 36.0# J-55 LTC @ 2245' MD/TVD Set through potential salt water zones Set below base of Big Injun Cemented to surface	Sluff Foam	Vertical	
8-3/4" Hole				Air / Dust		
8-3/4" Hole	Rhinestreet Shale (Base) 6168' TVD		KOP @ 5932' TVD		WBM In Curve	
8-3/4" Hole	Middlesex Shale 6376' TVD West River Shale 6419' TVD Genesee Shale 6515' TVD Tully Limestone 6535' TVD Hamilton Shale 6568' TVD					
8-3/4" Hole in Lateral	Marcellus Shale 6620' TVD				WBM in Lateral	-89.5°
	Oriondaga Limestone 6668' TVD					
Notes: Formation tops as per vertical pilot hole Curve & lateral tops will vary due to structural changes Directional plan based upon best estimate of structure			Landing Point (LP) @ 7201' MD / 6650' TVD -89.5° angle -149° azimuth			
			TD @ 12800' MD / 6700' TVD PRODUCTION CASING 5-1/2" 20.0# P-110 CDC @ 12800' MD Top of Cement @ 1245' (~1000' inside 9-5/8")			

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 10-2-13

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47-103-02959 F

WW-9
(4/16)

API Number 47 - 103 - 02959 F
Operator's Well No. Martin 6H

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 306886

Watershed (HUC 10) Little Fishing Creek Quadrangle Porters Falls

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

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

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 _____)

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Will closed loop system be used? If so, describe: n/a

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. n/a

-If oil based, what type? Synthetic, petroleum, etc. n/a

Additives to be used in drilling medium? n/a

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. n/a

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? n/a

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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 *E. Spine*

Company Official (Typed Name) Erin Spine

Company Official Title Regional Land Manager

Subscribed and sworn before me this 6th day of April, 2018

Rebecca L Wanstreet Notary Public

My commission expires 4-7-2020



47 103 02959 F

Form WW-9

Operator's Well No. Martin 6H

EQT Production Company

Proposed Revegetation Treatment: Acres Disturbed no additional Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type Granular 10-20-20

Fertilizer amount 1/3 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
KY-31	40
Alsike Clover	5
Annual Rye	15

Seed Type	lbs/acre
Orchard Grass	15
Alsike Clover	5

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

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Comments: _____

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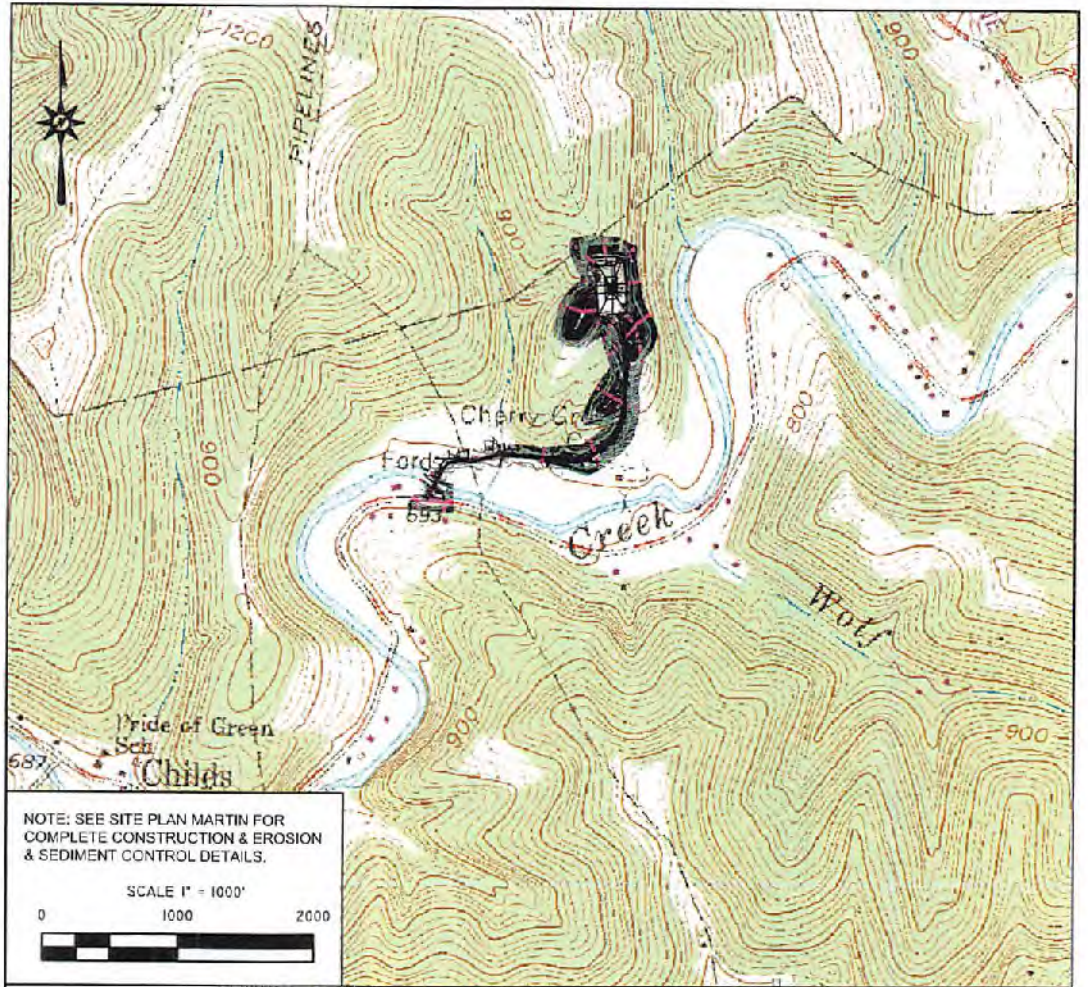
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Title: Oil & Gas Inspector Date: 4-11-18

Field Reviewed? Yes No

06/08/2018

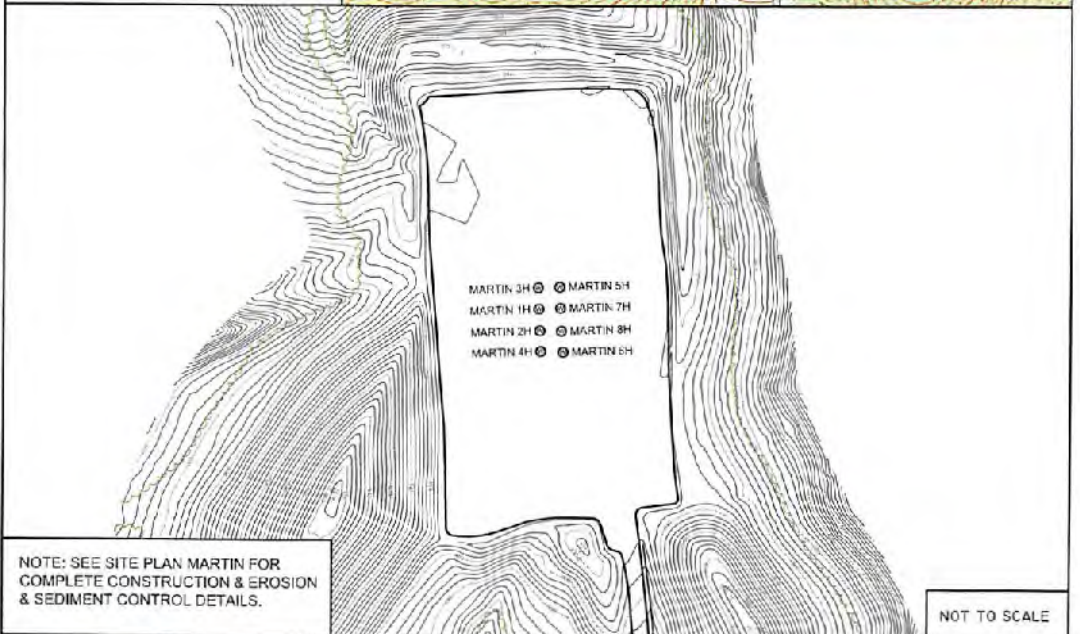
49 103 0295 F



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

SCALE 1" = 1000'

0 1000 2000



- MARTIN 3H
- MARTIN 1H
- MARTIN 2H
- MARTIN 4H
- MARTIN 5H
- MARTIN 7H
- MARTIN 8H
- MARTIN 6H

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

NOT TO SCALE

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Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

PREPARED FOR:
EQT Production Co. Inc.
115 Professional Place, P.O. Box 280
Bridgeport, WV 26330

MARTIN WELL
TOPO SECTION OF PORTER FALLS WV
USGS TOPO QUADRANGLE

FORM WW9

JULY 5, 2018 **06/08/2018**

47 103 02959F

Topo Quad: PORTERS FALLS, WV 7.5'

Scale: 1" = 800'

County: WETZEL

Date: 22 SEPTEMBER 2017

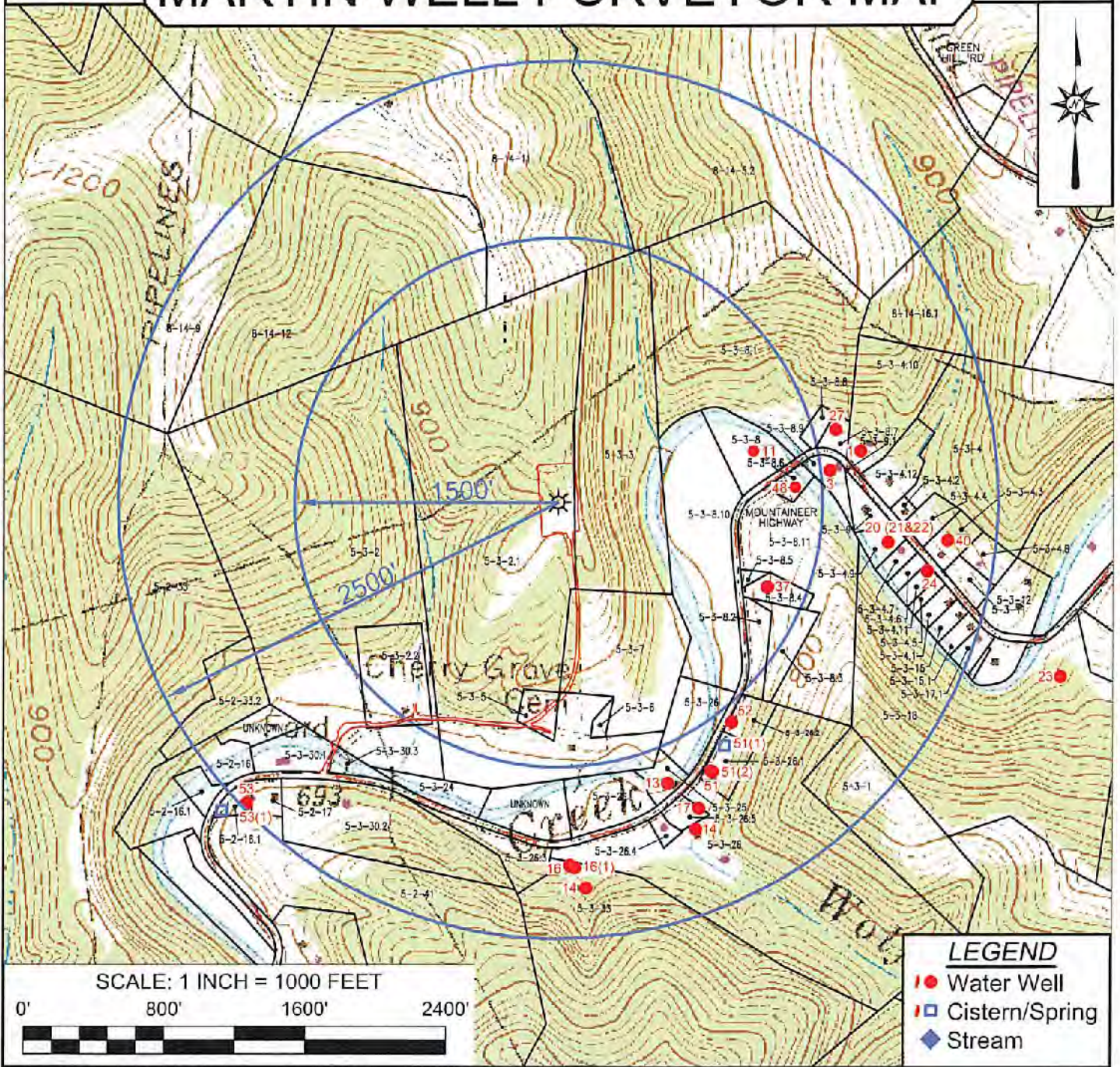
District: GREEN

Project No: 0491-17

Water

MARTIN WELL PURVEYOR MAP

Topo



SCALE: 1 INCH = 1000 FEET

0' 800' 1600' 2400'



LEGEND

- Water Well
- Cistern/Spring
- ◆ Stream

SURVEYING AND MAPPING SERVICES PERFORMED BY:

PREPARED FOR:

Blue Mountain Inc.
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 652-6486

EQT Production Co. Inc.
 115 Professional Place, P.O. Box 280
 Bridgeport, WV 26330



06/08/2018



Table 1 – Water Source Identification

EQT Well Pad Name: Martin Submittal Date: _____

EQT Well Number: 1H, 2H, 3H, 4H, 5H, 6H, 7H, 8H

Survey / Engineering Company: Blue Mountain Inc.

Site Number: 1 Distance from Gas Well (feet):1734 ft.

Surface Owner / Occupant: GARY G & LINDA M HARTWIG

Address: 9255 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: 6/13/17 Owner home during survey (yes/no): Yes

Coordinates: 39.613534°, -80.759944° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/13/17 Date Door Hanger Left: N/A

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

Site Number: 3 Distance from Gas Well (feet): 1550 ft.

Surface Owner / Occupant: JAMES S ALLEN

Address: HC 61 BOX 93 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: 6/20/2017 Owner home during survey (yes/no): yes

Coordinates: 39.613228°, -80.760565° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

Site Number: 11 Distance from Gas Well (feet):1108 ft.

Surface Owner / Occupant: LAURA C DEBOLT

Address: 9164 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: 304-386-4173

Field Located Date: 7/7/2017 Owner home during survey (Yes/No): No

Coordinates: 39.613459°, -80.762168° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

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Site Number: 13 Distance from Gas Well (feet): 1723 ft.

Surface Owner / Occupant: GREATHOUSE ETHEL ESTATE

Address: 135 VANCAMP STPADEN CITY WV 26159 Phone #: N/A

Field Located Date: 6/20/2017 Owner home during survey (yes/no): yes

Coordinates: 39.609291° -80.762459°, 39.608922° -80.762597°, 39.608514° -80.762829°, 39.608329° -80.763727°, 39.607940° -80.763087°, 39.607615° -80.763144° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/2017 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: City water/ 1 stream/ 6 wells

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

Site Number: 17 Distance from Gas Well (feet): 1742 ft.

Surface Owner / Occupant: RALPH T JR GREATHOUSE

Address: HC 61 BOX 99 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: 6/20/17 Owner home during survey (Yes/No): Yes

Coordinates: 39.609291° -80.762459°, 39.608922° -80.762597°, 39.608514° -80.762829°, 39.608329° -80.763727°, 39.607940° -80.763087°, 39.607615° -80.763144° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17

Comments: City water/ 1 stream/ 6 wells

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

Site Number: 20 Distance from Gas Well (feet): 1897 ft.

Surface Owner / Occupant: BILLY G & CAROLYN L HOWELL

Address: HC 61 BOX 98 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: 6/20/2017 Owner home during survey (Yes/No): Yes

Coordinates: 39.612115° -80.759365° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

Site Number: 21 Distance from Gas Well (feet): 1897 ft.

Surface Owner / Occupant: BILLY G & CAROLYN L HOWELL

Address: HC 61 BOX 98 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: 6/20/2017 Owner home during survey (Yes/No): Yes

Coordinates: 39.612115° -80.759365° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

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Site Number: 22 Distance from Gas Well (feet): 1897 ft.
 Surface Owner / Occupant: BILLY G & CAROLYN L HOWELL
 Address: HC 61 BOX 98 NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: 6/20/2017 Owner home during survey (Yes/No): Yes
 Coordinates: 39.612115° -80.759365° (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17
 Comments: City water & 1 well.

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 23 Distance from Gas Well (feet): 2993 ft.
 Surface Owner / Occupant: BILLY GENE JR & HOWELL
 Address: HC 61 BOX 80A NEW MARTINSVILLE WV 26155 Phone #: 304-455-30510
 Field Located Date: 6/20/2017 Owner home during survey (yes/no): yes
 Coordinates: 39.610353° -80.755819° (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: N/A
 Comments: City water & 1 well.

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 24 Distance from Gas Well (feet): 2136 ft.
 Surface Owner / Occupant: DAVID L & LISA A HOWELL
 Address: HC 61 BOX 100 NEW MARTINSVILLE WV 26155 Phone #:
 Field Located Date: 7/7/2017 Owner home during survey (Yes/No): No
 Coordinates: 39.613863° -80.760462° (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17
 Comments: City water & 1 well.

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 27 Distance from Gas Well (feet): 1630 ft.
 Surface Owner / Occupant: HARRY R & LINDA KAY KERNAN
 Address: HC 61 BOX 92 NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: 6/20/2017 Owner home during survey (Yes/No): No
 Coordinates: 39.613863° -80.760462° (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17
 Comments: City water & 1 well.

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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Site Number: 37 Distance from Gas Well (feet):1282 ft.

Surface Owner / Occupant: CHARLES MAVETY

Address: 9020 Mountaineer Highway, New Martinsville WV 26155 Phone #: N/A

Field Located Date: 6/19/17 Owner home during survey (Yes/No): No

Coordinates: 39.611397° -80.761787° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: _____ Date Door Hanger Left: N/A

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 40 Distance from Gas Well (feet): 2220 ft.

Surface Owner / Occupant: ORION F & PAMELA J NEFF

Address: 9405 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: 304-386-4556

Field Located Date: 6/13/2017 Owner home during survey (yes/no): yes

Coordinates: 39.612157° -80.758166° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: _____ Door Hanger Left: N/A

Comments: 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 48 Distance from Gas Well (feet):1325 ft.

Surface Owner / Occupant: WADE DAVID GENE ETAL

Address: 9164 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: 304-386-4407

Field Located Date: 7/7/2017 Owner home during survey (Yes/No): Yes

Coordinates: 39.612998° -80.761355° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: _____ Date Door Hanger Left: N/A

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 51 Distance from Gas Well (feet):1742 ft.

Surface Owner / Occupant: SAUNDRA F YOHO

Address: 9164 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: 6/20/17 Owner home during survey (Yes/No): YES

Coordinates: 39.609291° -80.762459°, 39.608922° -80.762597°, 39.608514° -80.762829°, 39.608329° -80.763727°, 39.607940° -80.763087°, 39.607615° -80.763144° (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: _____ Date Door Hanger Left: 6/20/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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Site Number: 52 Distance from Gas Well (feet): 1742 ft.

Surface Owner / Occupant: SAUNDRA F YOHO

Address: 9164 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: 6/20/17 Owner home during survey (Yes/No): YES

Coordinates: 39.609291° -80.762459°, 39.608922° -80.762597°, 39.608514° -80.762829°, 39.608329° -80.763727°, 39.607940° -80.763087°, 39.607615° -80.763144° (decimal degrees -- NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: _____ Date Door Hanger Left: 6/20/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

Site Number: 53 Distance from Gas Well (feet): 2525 ft.

Surface Owner / Occupant: WEAVER PAUL E & C CHRISTINE J

Address: 8274 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: NA

Field Located Date: 6/21/2017 Owner home during survey (yes/no): yes

Coordinates: 39.607913° -80.772207°, 39.607797° -80.772707° (decimal degrees -- NAD 83)

Contact Attempts (Date): 1st: 6/21/17 2nd: 6/21/17 Door Hanger Left: 6/21/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

Site Number: 14 Distance from Gas Well (feet): 1598 ft.

Surface Owner / Occupant: GREATHOUSE KERNEL E ESTATE

Address: 8818 MOUNTAINEER HWY NEW MARTINSVILLE, WV 26155 Phone #: 304-386-4456

Field Located Date: 6/20/17 Owner home during survey (Yes/No): Yes

Coordinates: 39.606668° -80.765339° (decimal degrees -- NAD 83)

Contact Attempts (Date): 1st: 6/20/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

Site Number: 16 Distance from Gas Well (feet): 2068 ft.

Surface Owner / Occupant: LAURA C DEBOLT

Address: 9164 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: 304-386-4173

Field Located Date: 6/20/2017 Owner home during survey (Yes/No): Yes

Coordinates: 39.607022° -80.765672°, 39.606984° -80.765570° (decimal degrees -- NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Date Door Hanger Left: 6/20/17

Comments: City water & 1 well.

<input checked="" type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact <small>(Further contact attempts to be made by EQT's third party pre-drill sampling lab)</small>

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Site Number: 2 Distance from Gas Well (feet): NA

Surface Owner / Occupant: JIMMY L SAILOR

Address: 9432 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 4 Distance from Gas Well (feet): NA

Surface Owner / Occupant: MICHAEL L BELL

Address: 8369 MOUNTAINEER HWY NEW MARTINSVILLE, WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/21/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 5 Distance from Gas Well (feet): NA

Surface Owner / Occupant: MICHAEL & YOHO CHARLENE BLAIR

Address: 9494 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/21/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 6 Distance from Gas Well (feet): NA

Surface Owner / Occupant: CASEY E BLAKE

Address: HC 61 BOX 74 NEW MARTINSVILLE, WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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Site Number: 7 Distance from Gas Well (feet): NA

Surface Owner / Occupant: HERBERT BLAKE

Address: HC 61 BOX 102 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 8 Distance from Gas Well (feet): NA

Surface Owner / Occupant: HARRY E BRUNNER

Address: 9432 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 9 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: RANCEL JEREMY CROSS

Address: 3169 AMERICAN RIDGE RD NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 10 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: RANCEL JEREMY CROSS

Address: 3169 AMERICAN RIDGE RD NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (Yes/No): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Date Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

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Site Number: 12 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: KATHY W FERREBEE

Address: HC 61 BOX 101 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 18 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: KEVIN J & PENNEY S HARRISON

Address: HC 61 BOX 85-E NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 19 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: DARYL G & CRYSTAL L HARTWIG

Address: 9497 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155-8042 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 25 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: LAURA C DEBOLT

Address: 9164 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (Yes/No): No

Coordinates: NA (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Date Door Hanger Left: 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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Site Number: 26 Distance from Gas Well (feet): N/A
 Surface Owner / Occupant: HARRY R & LINDA KAY KERNAN
 Address: HC 61 BOX 98 NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: N/A Owner home during survey (yes/no): No
 Coordinates: N/A (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A
 Comments: No Response, Contacted but no Response

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 18 Distance from Gas Well (feet): N/A
 Surface Owner / Occupant: KEVIN J & PENNEY S HARRISON
 Address: HC 61 BOX 85-E NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: N/A Owner home during survey (yes/no): No
 Coordinates: N/A (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17
 Comments: No Response, Contacted but no Response

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 19 Distance from Gas Well (feet): N/A
 Surface Owner / Occupant: DARYL G & CRYSTAL L HARTWIG
 Address: 9497 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155-8042 Phone #: N/A
 Field Located Date: N/A Owner home during survey (yes/no): No
 Coordinates: N/A (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/17 Door Hanger Left: 6/20/17
 Comments: No Response, Contacted but no Response

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 25 Distance from Gas Well (feet): N/A
 Surface Owner / Occupant: LAURA C DEBOLT
 Address: 9164 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: N/A Owner home during survey (Yes/No): No
 Coordinates: NA (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Date Door Hanger Left: 6/20/17
 Comments: No Response, Contacted but no Response

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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Site Number: 26 Distance from Gas Well (feet): N/A
 Surface Owner / Occupant: HARRY R & LINDA KAY KERNAN
 Address: HC 61 BOX 98 NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: N/A Owner home during survey (yes/no): No
 Coordinates: N/A (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger N/A
 Comments: No Response, Contacted but no Response

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 28 Distance from Gas Well (feet): N/A
 Surface Owner / Occupant: W D LEMON
 Address: HC 61 BOX 89 NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: N/A Owner home during survey (yes/no): No
 Coordinates: N/A (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A
 Comments: No Response, Contacted but no Response

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 29 Distance from Gas Well (feet): N/A
 Surface Owner / Occupant: W D LEMON
 Address: HC 61 BOX 94 NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: N/A Owner home during survey (yes/no): No
 Coordinates: N/A (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A
 Comments: No Response, Contacted but no Response

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 30 Distance from Gas Well (feet): N/A
 Surface Owner / Occupant: CHARLES W MARTIN
 Address: HC 61 BOX 85-E NEW MARTINSVILLE WV 26155 Phone #: N/A
 Field Located Date: N/A Owner home during survey (Yes/No): No
 Coordinates: NA (decimal degrees – NAD 83)
 Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Date Door Hanger Left: N/A
 Comments: No Response, Contacted but no Response

Landowner Requested Sampling
 Landowner Decline Sampling
 Unable to Contact
 (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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Site Number: 31 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: CHARLES W MARTIN

Address: HC 61 BOX 74 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger N/A

Comments: No Response, Contacted but no Response

- Landowner Requested Sampling
- Landowner Decline Sampling
- Unable to Contact
(Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 32 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: CHARLES W MARTIN

Address: HC 61 BOX 81-B NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

- Landowner Requested Sampling
- Landowner Decline Sampling
- Unable to Contact
(Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 33 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: CHARLES W MARTIN

Address: 8620 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

- Landowner Requested Sampling
- Landowner Decline Sampling
- Unable to Contact
(Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 34 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: CHARLES W & GWENDOLYN L MARTIN

Address: HC 61 BOX 77 NEW MARTINSVILLE WV 26155 9787 Phone #: N/A

Field Located Date: N/A Owner home during survey (Yes/No): No

Coordinates: NA (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Date Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

- Landowner Requested Sampling
- Landowner Decline Sampling
- Unable to Contact
(Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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Site Number: 35 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: CHARLES W MARTIN

Address: HC 61 BOX 88 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger 6/20/17

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 36 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: GWENDOLYN LEE & CHARLES MARTIN

Address: HC 61 BOX 88 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 38 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: CHARLES MAVETY

Address: HC 61 BOX 88 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 39 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: ROBERT & BRENDA MUCKINHAUPT

Address: HC 61 BOX 97 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (Yes/No): No

Coordinates: NA (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/2017 Date Door Hanger Left: 6/20/2017

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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APR 9 2018
06/08/2018

WV Department of
Environmental Protection

Site Number: 41 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: JOHN LEE SMITH

Address: 9432 MOUNTAINEER HWY NEW MARTINSVILLE WV 261558041 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 42 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: MICHAEL E & LUCINDA E SMITH

Address: HC 61 BOX 104 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/20/2017 Door Hanger Left: 6/20/2017

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 43 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: GWENDOLYN STOUT

Address: 18484 LEATHERWOOD RD SALESVILLE OH 437789634 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 44 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: GWENDOLYN L STOUT

Address: 642 N MAIN ST NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (Yes/No): No

Coordinates: NA (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Date Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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APR 9 2018

WV Department of
Environmental Protection

06/08/2018

Site Number: 45 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: JOHN LEE SMITH

Address: 9432 MOUNTAINEER HWY NEW MARTINSVILLE WV 261558041 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 46 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: DWIGHT THOMAS

Address: 8323 MOUNTAINEER HWY NEW MARTINSVILLE WV 26155-8027 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: 6/21/2017 Door Hanger Left: 6/21/2017

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input checked="" type="checkbox"/> Landowner Decline Sampling
<input type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 47 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: TRACY LIVING TRUST

Address: HC61 BOX 92 NEW MARTINSVILLE WV 261559787 Phone #: N/A

Field Located Date: N/A Owner home during survey (yes/no): No

Coordinates: N/A (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

Site Number: 49 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: HERMAN & VIVIAN WINLAND

Address: HC 61 BOX 76 NEW MARTINSVILLE WV 26155 Phone #: N/A

Field Located Date: N/A Owner home during survey (Yes/No): No

Coordinates: NA (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Date Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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Office of Oil and Gas

APR 9 2018

Site Number:50 Distance from Gas Well (feet): N/A

Surface Owner / Occupant: HERMAN & VIVIAN WINLAND

Address: 135 VAN CAMP STPADEN CITY WV 2615926155 Phone #: N/A

Field Located Date: N/A Owner home during survey (Yes/No): No

Coordinates: NA (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 6/5/17 2nd: N/A Date Door Hanger Left: N/A

Comments: No Response, Contacted but no Response

<input type="checkbox"/> Landowner Requested Sampling
<input type="checkbox"/> Landowner Decline Sampling
<input checked="" type="checkbox"/> Unable to Contact (Further contact attempts to be made by EQT's third party pre-drill sampling lab)

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WV Department of
Environmental Protection


47 103 ~~02959F~~
02959F



Site Specific Safety and Environmental Plan

EQT
Martin Pad
Porter Falls Wetzel
County, WV

For Wells: _____

Date Prepared: February 27, 2018
Erin Spine 
EQT Production
Regional Land Manager
Title
4/10/18
Date

WV Oil and Gas Inspector

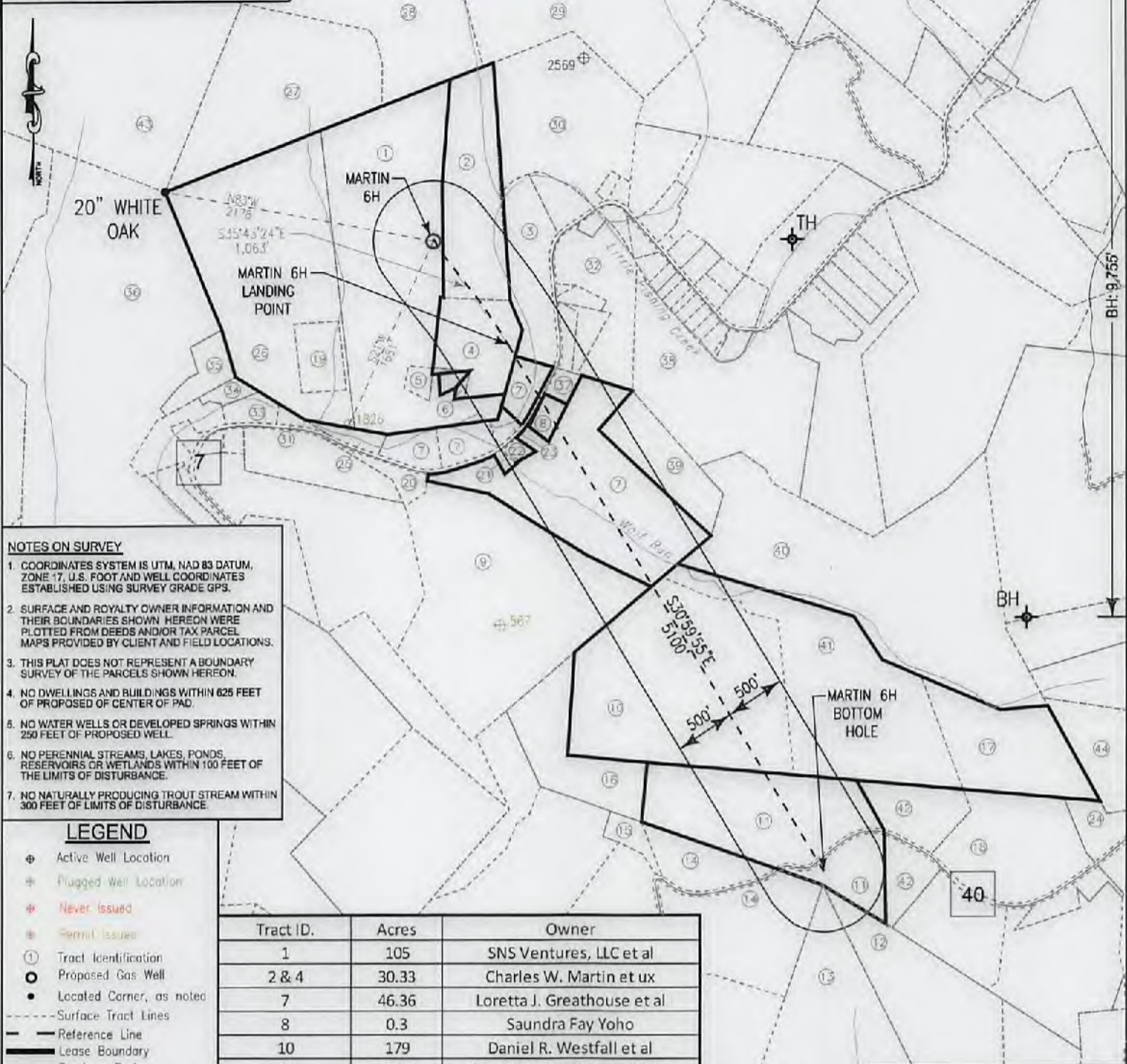
Title

Date

RECEIVED
Office of Oil and Gas
APR 9 2018
WV Department of
Environmental Protection

06/08/2018

Martin 6H
Martin
EQT Production Company



- NOTES ON SURVEY**
1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
 5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

- LEGEND**
- ⊕ Active Well Location
 - ⊕ Plugged Well Location
 - ⊕ Never Issued
 - ⊕ Permit Issued
 - ① Tract Identification
 - ⊙ Proposed Gas Well
 - Located Corner, as noted
 - Surface Tract Lines
 - - - Reference Line
 - Lease Boundary
 - ~ Creek or Drain
 - WV State Route

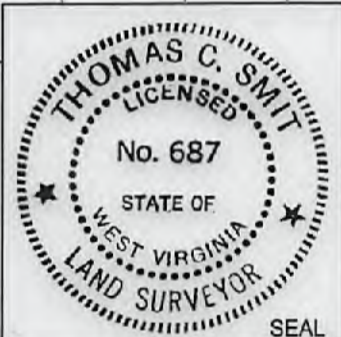
Tract ID.	Acres	Owner
1	105	SNS Ventures, LLC et al
2 & 4	30.33	Charles W. Martin et ux
7	46.36	Loretta J. Greathouse et al
8	0.3	Sandra Fay Yoho
10	179	Daniel R. Westfall et al
11	35.5	Robert Howard Steele II et al

(⊕) 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.

Thomas C. Smalls
L. L. S. 687



FILE NO: W2174 (BK 59-37)
DRAWING NO:
SCALE: 1" = 1200'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: SG-GPS (OPUS)

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

DATE: FEBRUARY 14 20 18
OPERATORS WELL NO: MARTIN 6H
API WELL NO
47 - 103 - 02959 F
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 909' WATERSHED: LITTLE FISHING CREEK QUADRANGLE: PORTERS FALLS 7.5'
DISTRICT: Green COUNTY: Wetzel

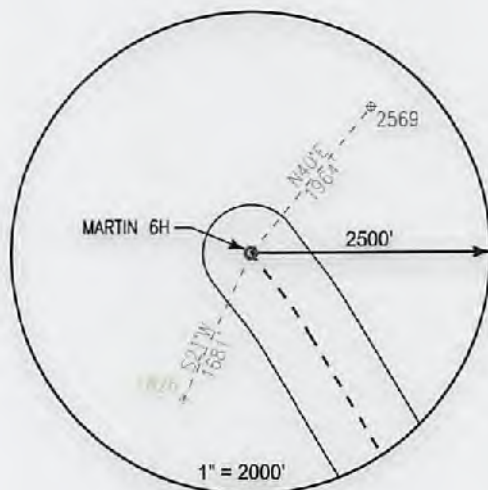
SURFACE OWNER: Charles & Gwendolyn Martin ACREAGE: 06/08/2018
ROYALTY OWNER: SNS Ventures, LLC et al LEASE NO: 873397 ACREAGE: 105 ±

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: 6,700'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
Bridgeport, WV 26330 Bridgeport, WV 26330

**Martin 6H
Martin
EQT Production Company**

Tract.ID.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	3	2.1	Wetzel	Green	Gwendolyn L. Stout	56.49
2	3	3	Wetzel	Green	Charles W. Martin	20.2
3	3	8.1	Wetzel	Green	Laura C. & Robert N. Debolt	12.09
4	3	7	Wetzel	Green	Charles W. Martin	10.65
5	3	5	Wetzel	Green	Charles W. Martin	1.13
6	3	6	Wetzel	Green	Charles W. Martin	0.32
7	3	26	Wetzel	Green	Kernel E. Greathouse Estate	45.13
8	3	26.1	Wetzel	Green	Sandra F. Yoho	1.5
9	3	33	Wetzel	Green	Greathouse Kernel Estate	56.33
10	8	4	Wetzel	Green	Robert E. Bender	53.62
11	8	10	Wetzel	Green	Andrea Wade	34.03
12	8	22	Wetzel	Green	Connie J. & John D. Morgan	28.94
13	8	21	Wetzel	Green	Price Fannie HRS	43.67
14	8	20.1	Wetzel	Green	Loraine M. Williams	28.35
15	8	20	Wetzel	Green	JJ Detweiler Enterprises Inc	2.2
16	8	3	Wetzel	Green	Gary L. & Toy Tennant	17.5
17	8	4.2	Wetzel	Green	William H. Gore	18.73
18	8	13.1	Wetzel	Green	William H. Gore	19.75
19	3	2	Wetzel	Green	Gwendolyn Lee & Charles Martin	4.92
20	3	26.3	Wetzel	Green	Loretta J. & Ralph T. Greathouse	2.18
21	3	26.4	Wetzel	Green	Herbert Blake	0.41
22	3	26.5	Wetzel	Green	Ralph T. Greathouse Jr	0.68
23	3	25	Wetzel	Green	Ethel Greathouse Estate	1.03
24	8	16	Wetzel	Green	Ryann M. Wade Jr Et Al	12.83
25	3	24	Wetzel	Green	Kernel Greathouse Estate	1.69
26	3	2	Wetzel	Green	Gwendolyn L. Stout	45.07
27	14	12	Wetzel	Magnolia	W D Lemon	35.31
28	14	11	Wetzel	Magnolia	W D Lemon	53.19
29	14	5.2	Wetzel	Magnolia	Tracy Living Trust	100.19
30	3	8.1	Wetzel	Green	Frost Rentals LLC	28.72
31	3	30.3	Wetzel	Green	Gwendolyn Stout	0.73
32	3	8.11	Wetzel	Green	John Lee Smith	12.89
33	3	30.1	Wetzel	Green	Dwight Thomas	2.13
34	3		Wetzel	Green	N/A	1.39
35	2	33.2	Wetzel	Green	Charles W. Martin	4.02
36	2	33	Wetzel	Green	Douglas L Steele	146.31
37	3	26.2	Wetzel	Green	Sandra Fay Yoho	1.18
38	3	18	Wetzel	Green	Gene Billy Howell Jr	36
39	3	1	Wetzel	Green	Herman D. Winland	10.31
40	3	34	Wetzel	Green	Ronald E. Wade Trustee	68.7
41	8	4.1	Wetzel	Green	William H. Gore	39.82
42	8	11	Wetzel	Green	Andrea Wade	12.5
43	14	9	Wetzel	Magnolia	W. D. Lemon	91.67
44	8	5	Wetzel	Green	Charles J. Stillwagoner Jr	26.8



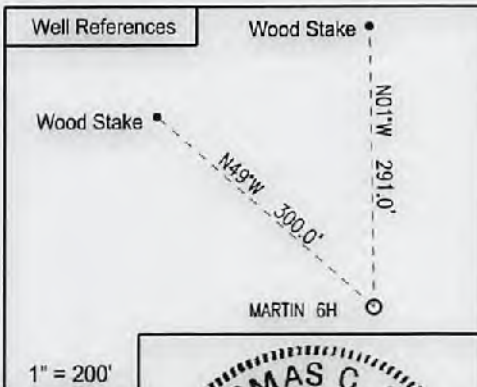
Notes:
MARTIN 6H As-Built coordinates are
 NAD 27 N: 407,720.003 E: 1,643,296.000
 NAD 27 Lat: 39.612527 Long: -80.766159
 NAD 83 UTM N: 4,384,787.821 E: 520,088.451
MARTIN 6H As-Built Landing Point coordinates are
 NAD 27 N: 406,857.383 E: 1,643,916.410
 NAD 27 Lat: 39.610182 Long: -80.763914
 NAD 83 UTM N: 4,384,528.178 E: 520,281.841
MARTIN 6H As-Built Bottom Hole coordinates are
 NAD 27 N: 402,486.003 E: 1,646,543.000
 NAD 27 Lat: 39.598283 Long: -80.754375
 NAD 83 UTM N: 4,383,209.783 E: 521,104.236
 West Virginia Coordinates system of 1927 (North Zone)
 based upon Differential GPS Measurements
 Plat orientation, Corner and well ties are based upon
 the grid north meridian
 Well location references are based upon the grid north
 meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

LEGEND

- ⊕ Active Well Location
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- ~ Creek or Drain
- ⊙ WV County Route
- ⊠ WV State Route

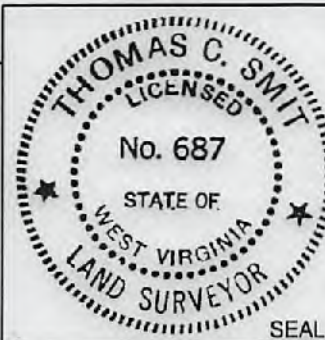
MARTIN PAD

- MARTIN 3H ○ ○ MARTIN 5H
- MARTIN 1H ○ ○ MARTIN 7H
- MARTIN 2H ○ ○ MARTIN 8H
- MARTIN 4H ○ ○ MARTIN 6H



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.

Thomas C. Smalls
 L. L. S. 687



FILE NO: W2174 (BK 59-37)
 DRAWING NO:
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY:
 1:2500
 PROVEN SOURCE OF ELEVATION:
 SG-GPS (OPUS)

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

DATE: FEBRUARY 14 20 18
 OPERATORS WELL NO: MARTIN 6H
 API WELL NO
 47 - 103 - 02959 F
 STATE COUNTY PERMIT

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

LOCATION ELEVATION: 920' WATERSHED: LITTLE FISHING CREEK QUADRANGLE: PORTERS FALLS 7.5'
 DISTRICT: Green COUNTY: Wetzel

SURFACE OWNER: Charles & Gwendolyn Martin ACREAGE: 06/08/2018
 ROYALTY OWNER: SNS Ventures, LLC et al LEASE NO: 873397 ACREAGE: 105 ±

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: 6,700'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bridgeport, WV 26330 Bridgeport, WV 26330

WW-6A1
(5/13)

Operator's Well No. Martin 6H

**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

RECEIVED
Office of Oil and Gas

APR 9 2018

WV Department of
Environmental Protection

**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: Erin Spine
 Its: Regional Land Manager

WW-6A1 attachment

Operator's Well No.

Martin #6H

Lease No.	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
	<u>SNS Venturers, LLC, et al. (Current Royalty Owner)</u>		**	
<u>873397</u>	Elmer Earl Bowser, Jr., in his capacity as Special Commissioner for and on behalf of Alpha Steele, and/or his heirs, successors, assigns, devisees, or distributees, et al. (Original Lease)	Stone Energy Corporation		165A/473
	Stone Energy Corporation	EQT Production Company		183A/305
<u>873987</u>	Charles W. Martin, et ux, et al. Stone Energy Corporation	Stone Energy Corporation EQT Production Company	**	147A/248 183A/305
	<u>Loretta J. Greathouse, et al. (Current Royalty Owner)</u>			
<u>873367</u>	Ralph Greathouse, et al. (Original Lease) Central Michigan Exploration, LLC Stone Energy Corporation	Central Michigan Exploration, LLC Stone Energy Corporation EQT Production Company	**	100A/192 102A/869 183A/305
<u>873998</u>	Sandra Fay Yoho Stone Energy Corporation	Stone Energy Corp EQT Production Company	**	137A/582 183A/305
	<u>Daniel R. Westfall, et al. (current royalty owner)</u>		**	
<u>873820</u>	L. Burly, et al (original lessor) Frank P. Cook Larimer Oil and Gas Company McCall Drilling Company, Inc. Charles Coogle & Edith Coogle Estate of J. H. Robinson and Estate of George F. Eagon (Eagon & Robinson Oil & Gas Co.) Eiva Robinson & Mary Ellen Davis Katherine A. Henry for Andrew L. Henry, deceased and Harry R. Cronin, Jr. Katheryn C. Reed for Charles E. Reed, deceased Carl Perkins and Dorothy Louise Perkins Perkins Oil & Gas Inc. Stone Energy Corporation	Frank P. Cook Larimer Oil and Gas Company McCall Drilling Company, Inc. Charles Coogle J. H. Robinson and George F. Eagon (Eagon & Robinson Oil & Gas Co.) Eiva Robinson & Mary Ellen Davis Andrew L. Henry, Charles E. Reed, and Harry R. Cronin, Jr. Charles E. Reed and Katheryn C. Reed Carl Perkins Perkins Oil & Gas Inc. Stone Energy Corporation EQT Production Company		8A/421 8A/452 20A/127 39A/393 39A/385 43A/440 44A/92 51A/241 55A/54 84A/9 126A/958 183A/305
<u>873400</u>	Robert Howard Steele II, et al Stone Energy Corporation	Stone Energy Corporation EQT Production Company	**	144A/255 183A/305

** Per West Virginia Code Section 22-6-8.

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Office of Oil and Gas
APR 9 2018
WV Department of
Environmental Protection

06/08/2018

WW-6AC
(1/12)

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

Date of Notice Certification: 03/12/2018

API No. 47- 103 - 02959
Operator's Well No. Martin 6H
Well Pad Name: Martin

Notice has been given:

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

State:	<u>WV</u>	UTM NAD 83	Eastings:	<u>520088.451</u>
County:	<u>Wetzel</u>		Northing:	<u>4384787.821</u>
District:	<u>Green</u>	Public Road Access:		<u>WV RT 7</u>
Quadrangle:	<u>Porters Falls</u>	Generally used farm name:		<u>Martin, Charles and Gwendolyn</u>
Watershed:	<u>Little Fishing Creek</u>			

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

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: *PLEASE CHECK ALL THAT APPLY <input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED <input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED <input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) <input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION <input checked="" type="checkbox"/> 5. PUBLIC NOTICE <input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		RECEIVED Office of Oil and Gas APR 9 2018 WV Department of Environmental Protection	OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED
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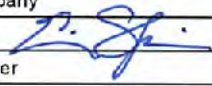
Required Attachments:

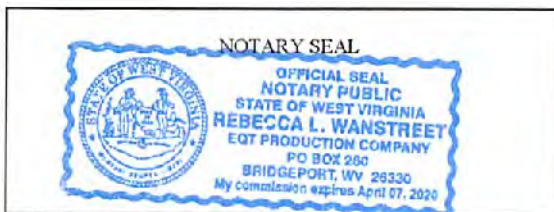
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

WW-6AC
(1/12)

Certification of Notice is hereby given:

THEREFORE, I Erin Spine, 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:	<u>EQT Production Company</u>	Address:	<u>2200 Energy Dr</u>
By:	<u>Erin Spine</u> 		<u>Canonsburg PA 15317</u>
Its:	<u>Regional Land Manager</u>	Facsimile:	<u>304-848-0041</u>
Telephone:	<u>304-848-0035</u>	Email:	<u>espine@eqt.com</u>



Subscribed and sworn before me this 6 day of April 2018.
Rebecca L. Wanstreet Notary Public
 My Commission Expires 4-7-2020

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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Office of Oil and Gas

APR 9 2018

WV Department of
Environmental Protection

06/08/2018

WW-6A
(9-13)

API NO. 47- 103 - 02959
OPERATOR WELL NO. Martin 6H
Well Pad Name: Martin

**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: 4/6/18 Date Permit Application Filed: 4/6/18

Notice of:

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

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APR 9 2018

WV Department of
Environmental Protection

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 certificate of approval 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 method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well 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; (2) The owners of 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 be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or 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 seams; (4) The owners of 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 be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well 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 this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, 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 notice to a landowner, 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 Safety Plan ("WSSP") 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.

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

SURFACE OWNER(s)

Name: See Attached
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: See Attached
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: See Attached
Address: _____

COAL OWNER OR LESSEE

Name: See Attached
Address: _____

COAL OPERATOR

Name: _____
Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: See Attached
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

WW-6A
(8-13)

APR 9 2018

API NO. 47- 103 - 02959
OPERATOR WELL NO. Martin 6H
Well Pad Name: MartinWV Department of
Environmental Protection**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 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

06/08/2018

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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WV Department of
Environmental Protection

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.**

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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WV Department of
Energy and Environment

06/08/2018

WW-6A
(8-13)

API NO. 47- 103 - 02959 F
OPERATOR WELL NO. Martin GH
Well Pad Name: Martin

Notice is hereby given by:

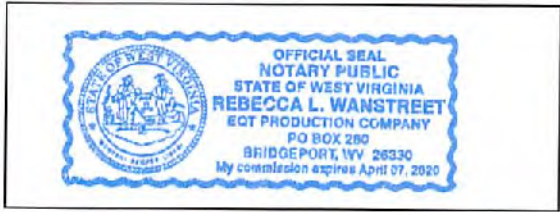
Well Operator: EQT Production Company
Telephone: 304-848-0035
Email: espine@eqt.com



Address: 2200 Energy Drive
Canonsburg PA 15317
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.



Subscribed and sworn before me this 06 day of April 2018.
Rebecca L Wanstreet Notary Public
My Commission Expires 4-7-2020

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WV Department of
Environmental Protection

06/08/2018

Topo Quad: PORTERS FALLS, WV 7.5'

Scale: 1" = 800'

County: WETZEL

Date: 22 SEPTEMBER 2017

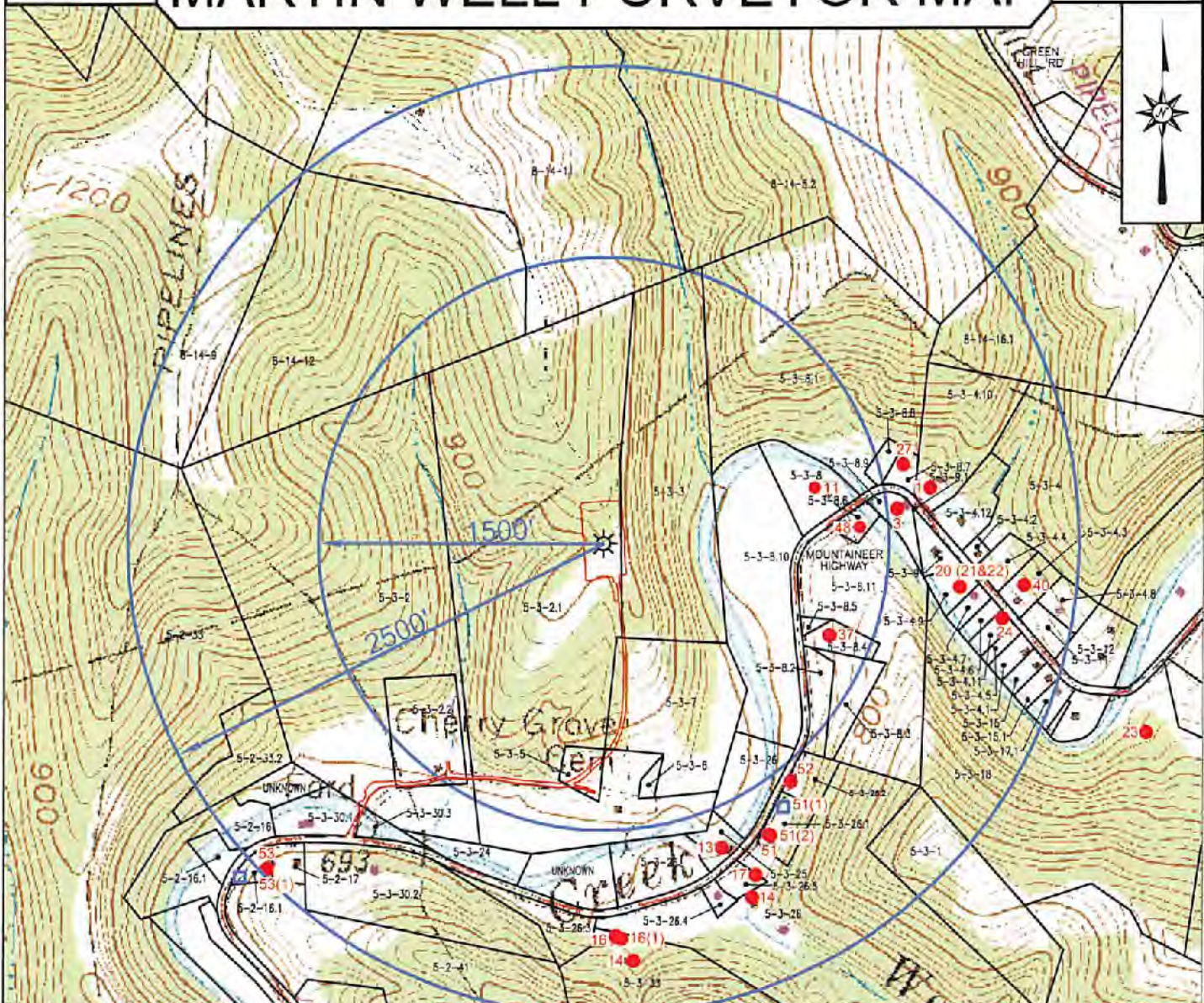
District: GREEN

Project No: 0491-17

Water

MARTIN WELL PURVEYOR MAP

Topo



LEGEND

- Water Well
- ◆ Cistern/Spring
- ◆ Stream

SCALE: 1 INCH = 1000 FEET



SURVEYING AND MAPPING SERVICES PERFORMED BY:

Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 652-6486

PREPARED FOR:

EQT Production Co. Inc.
115 Professional Place, P.O. Box 280
Bridgeport, WV 26330





WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
Division of Highways

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

Jim Justice
 Governor

Thomas J. Smith, P. E.
 Secretary of Transportation/
 Commissioner of Highways

August 18, 2017

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 Martin Pad, Wetzel County

Martin 1H	Martin 2H
Martin 3H	Martin 4H
Martin 5H	Martin 6H
Martin 7H	Martin 8H

Dear Mr. Martin,

This well site will be accessed from a DOH Permit #06-2017-0544 issued to EQT Production Company for access to the State Road for a well site located off of West Virginia Route 7 Feeder.

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

Very Truly Yours,

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

Cc: Nick Bumgardner
 EQT Production Company
 CH, OM, D-6
 File

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WV Department of
 Environmental Protection

Anticipated Frac Additives
Chemical Names and CAS numbers

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

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WV Department of
Environmental Protection

06/08/2018

**WVDEP OOG
ACCEPTED AS-BUILT**
MSJ 10/23/2017



MARTIN WELL



LOCATION MAP

PORTER'S FALLS, WV 7.5N USGS QUADRANGLE
SCALE: 1" = 1000'

ENTRANCE OF S

NAD 83 - LAT: N 39.608379°; LO
NAD 27 - LAT: N 39.608300°; LO
UTM (NAD83) - N: 43843177.56

SITE LOCATION

THE PROJECT IS LOCATED AT 39.612703 -80.766021 (NAD83 WVN). THE COORDINATES ARE REFERENCED FROM THE PAD ENTRANCE AND CAN BE LOCATED BY TAKING MOUNTAINEER HWY (ROUTE 7) APPROXIMATELY 8.3 MILES EAST FROM NEW MARTINSVILLE. THE ENTRANCE TO THE PROJECT WILL BE ON THE LEFT.

FLOODPLAIN NOTE

THE PROPOSED LIMITS OF DISTURBANCE FOR THIS PROJECT ARE NOT LOCATED IN A FLOOD ZONE, PER THE FLOOD INSURANCE RATE MAP (FIRM) NUMBER 54103C0175C.

CENTER OF WELL PAD

NAD 83 - LAT: N 39.612703°; LO
NAD 27 - LAT: N 39.612624°; LO
UTM (NAD83) - N: 4384798.602

GREENE DISTRICT

WETZEL COUNTY, WEST

DATE: AUGUST 15,



Blue Mountain

*Engineers and Land Surveyors
Woman Owned Small Business*
10125 Mason Dixon Hwy,
Burton, WV 26562-9656
(304) 662-6486

SHEET INDEX	
PG	DRAWING NAME
1	COVER SHEET
2	GENERAL DETAILS #1
3	GENERAL DETAILS #2
4	EXISTING SITE PLAN (1 OF 2)
5	EXISTING SITE PLAN (2 OF 2)
6	OVERALL SITE PLAN
7	OVERALL SITE PLAN W/ ORTHO
8	PROFILES (1 OF 2)
9	PROFILES (2 OF 2)
10	OVERALL RECLAMATION PLAN
11	CONSTRUCTION DETAILS
12	QUANTITIES

CORRECTIONS PER

DEP COMMENTS

10/16/2017

NOTE: DRAWING WAS CREATED ON 22X34 PAPER.
ARE HALF SCALE. REFER TO SCALE BAR FOR

L SITE

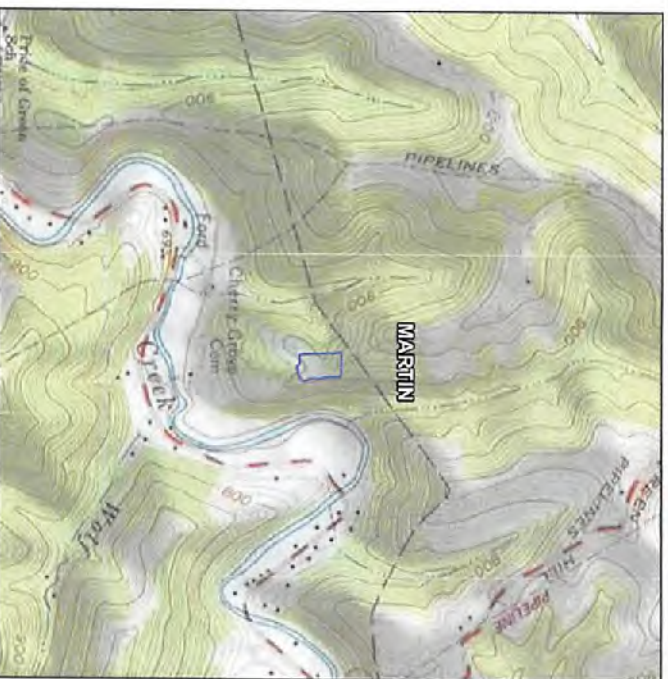
TE
 NG: W 80.770696°
 NG: W 80.770876°
 E: 519684.583

LOCATION
 NG: W 80.766021°
 NG: W 80.766201°
 E: 520084.660

T
 VIRGINIA
 2017

inc.

X17 DRAWINGS
 PROPER SCALING.



LOCATION MAP
 PORTERS FALLS, WV 7.5H USGS QUADRANGLE
 SCALE: 1" = 1000'

- PROPERTY OWNERS
1. STOUT GWENDOLYN
 05-05-02,1
 2. MARTIN CHARLES W
 05-05-03



Know what's below.
 Call before you dig.

DWH
 4-11-18

CERTIFICATION:

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE EROSION AND SEDIMENT CONTROL PLAN AND SITE RESTORATION PLAN AND POST CONSTRUCTION BMPs ARE TRUE AND CORRECT, REPRESENT ACTUAL FIELD CONDITIONS AND ARE IN ACCORDANCE WITH THE WEST VIRGINIA CODE AND THE DEPARTMENT'S RULES AND REGULATIONS. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

SIGNATURE: William J. Kelly DATE: 08/15/2017

Blue Mountain Inc.
 Engineers and Land Surveyors
 Woman Owned Small Business
 10125 Mason Dixon Hwy
 Burton, WV 26562-9616
 (304) 662-6186

120 PROFESSIONAL PLACE
 PROFESSIONAL BUILDING FOUR
 BRIDGEPORT, WV 26330

MARTIN WELL SITE
Cover Sheet

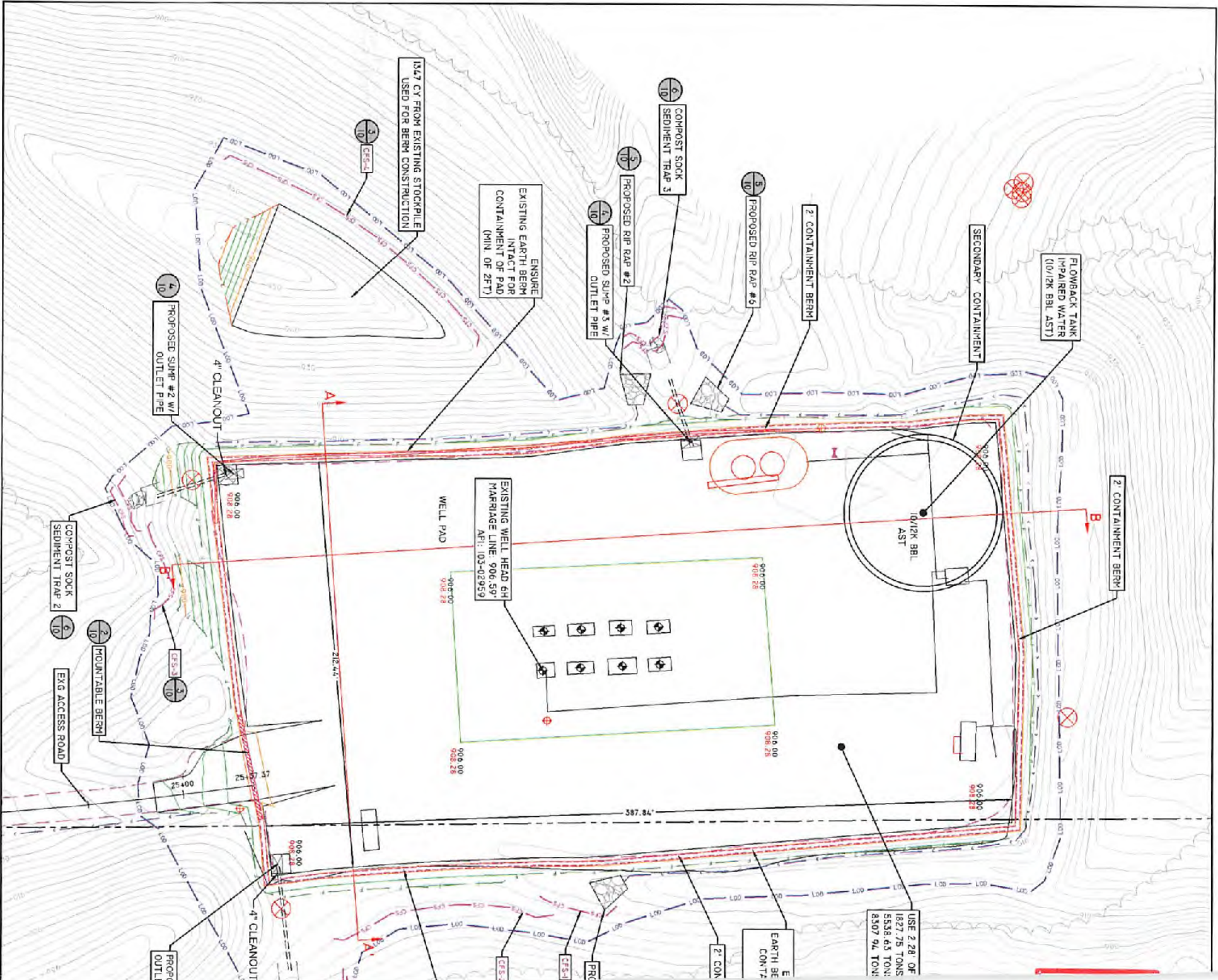


REVISIONS	DATE	TIME

RECEIVED
 Office of Oil and Gas
 APR 27 2018
 WV Department of
 Environmental Protection



DRAWN BY: TJK
CHECKED BY: WPK
DATE: 08/16/2017
SCALE: AS SHOWN
JOB NO.
DRAWING NAME: MARTIN WELL SITE
SHEET NO. 1



FLOWBACK TANK
(10/12K BBL AST)

SECONDARY CONTAINMENT

2' CONTAINMENT BERM

PROPOSED RIP RAP #6

COMPOST SOCK
SEDIMENT TRAP 3

PROPOSED RIP RAP #2

PROPOSED SUMP #5 W/
OUTLET PIPE

ENSURE
EXISTING EARTH BERM
CONTAINMENT OF PAD
(MIN. OF 2FT)

1347 CY FROM EXISTING STOCKPILE
USED FOR BERM CONSTRUCTION

2' CONTAINMENT BERM



10/12K BBL
AST



EXISTING WELL HEAD 6H
MARRIAGE LINE: 906.59'
API: 103-02939

WELL PAD

COMPOST SOCK
SEDIMENT TRAP 2

MOUNTABLE BERM

EXG ACCESS ROAD

USE 2.28' OF
1827.75 TONS
5538.63 TONS
8307.94 TONS

EARTH BE
CONTR

2' COA

PROG

C#S-1

C#S-2

PROG
OUTLE

4" CLEANOUT

PROPOSED SUMP #2 W/
OUTLET PIPE

4" CLEANOUT

A

B

212.44'

387.84'

25.400

52

17

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

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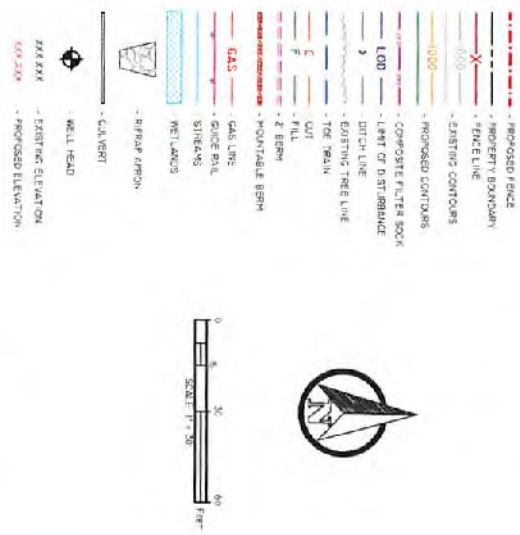
**WVDEP 00G
ACCEPTED AS-BUILT**

10 / 23 / 2017

WELL NUMBER	API NUMBER	COORDINATES		
		NAD 83	NAD 27	UTM (NAD83)
MARTIN 1H*	103-02950	LAT - 39.01214*	LAT - 39.02535*	N: 4384799.787
		LONG - 80.70690*	LONG - 80.70524*	E: 520081.535
MARTIN 2H*	103-02957	LAT - 39.01207*	LAT - 39.02578*	N: 4384793.527
		LONG - 80.70652*	LONG - 80.70623*	E: 520081.731
MARTIN 3H*	103-02923	LAT - 39.01205*	LAT - 39.02599*	N: 4384805.702
		LONG - 80.70604*	LONG - 80.70582*	E: 520081.042
MARTIN 4H*	103-02958	LAT - 39.01202*	LAT - 39.02628*	N: 4384812.002
		LONG - 80.70592*	LONG - 80.70617*	E: 520081.024
MARTIN 5H*	103-02924	LAT - 39.01203*	LAT - 39.01952*	N: 4384827.554
		LONG - 80.70590*	LONG - 80.70609*	E: 520081.570
MARTIN 7H*	103-02925	LAT - 39.01207*	LAT - 39.01238*	N: 4384800.144
		LONG - 80.70590*	LONG - 80.70617*	E: 520081.402
MARTIN 8H*	013-02960	LAT - 39.01202*	LAT - 39.02578*	N: 4384793.525
		LONG - 80.70598*	LONG - 80.70606*	E: 520081.805

DESCRIPTION	NAD 83		NAD 27		UTM (NAD83)
	LAT	LONG	LAT	LONG	
WELL PAD	39.608379°	-80.706300°	39.608300°	-80.706279°	N: 4384517.567
ENTRANCE	39.612733°	-80.706906°	39.612624°	-80.706935°	N: 4384798.002
CENTER OF	39.612733°	-80.706021°	39.612624°	-80.706200°	E: 520084.000

LEGEND



NOTE: DRAWING WAS CREATED ON 22X34 PAPER. 1/17 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

*DWH
4-11-18*

EARTHWORK QUANTITIES		
DESCRIPTION	QUANTITY	UNITS
TOTAL PROJECT	134.7	CY
CUT	134.7	CY
FILL	134.7	CY
NET (FILL)	0	CY

ENVIRONMENTAL IMPACTS		
# OF IMPACTS	TOTAL LENGTH	TOTAL AREA
-	-	-
STREAMS		
-	-	-
WETLANDS		
-	-	-

AREA		
DESCRIPTION	QUANTITY	UNITS
CLEARING AND GRUBBING	-	-
TREE CLEARING	-	-
ROWING	3.37	ACRES
LIMITS OF DISTURBANCE	-	-
AREA	3.37	ACRES

NOTE:
1.) WELLS MARKED WITH AN ASTERISK (*) ARE APPROXIMATE. THEY ARE NOT IN PRODUCTION AND WERE COVERED WITH PROTECTIVE STEEL PLATES AT THE TIME OF SURVEY.

DATUM: 83 WY NORTH

Blue Mountain Inc.
Engineers and Land Surveyors
Woman Owned Small Business
10125 Mason Dixon Hwy,
Burton, WV 26362-9656
(304) 662-6486

120 PROFESSIONAL PLACE
PROFESSIONAL BUILDING FOUR
BRIDGEPORT, WV 26330

**MARTIN WELL SITE
OVERALL SITE PLAN**



REVISIONS

DATE	DESCRIPTION
1-11-18	1-11-18

RECEIVED
Office of Oil and Gas

APR 27 2018

WV Department of
Environmental Protection



Drawn by: TCF
Checked by: WFF
DATE: 04/03/2017
SCALE: 1" = 30'
JOB NO.
DRAWING NAME: MARTIN WELL SITE
SHEET NO. 6