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**west virginia** department of environmental protection

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

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

March 02, 2015

**WELL WORK PERMIT**

**Horizontal 6A Well**

This permit, API Well Number: 47-10303070, issued to AMERICAN ENERGY-MARCELLUS, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin  
Chief

Operator's Well No: MARY MILLER GRT WZ 1H  
Farm Name: DULANEY, DALE K.

**API Well Number: 47-10303070**

**Permit Type: Horizontal 6A Well**

Date Issued: 03/02/2015

**Promoting a healthy environment.**

**03/06/2015**

## PERMIT CONDITIONS

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

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### CONDITIONS

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1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov) within 30 days of commencement of drilling.

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

1) Well Operator: American Energy-Marcellus 494510050 Wetzel Center Big Run  
Operator ID County District Quadrangle

2) Operator's Well Number: Mary Miller GRT WZ 1H Well Pad Name: Mary Miller GRT WZ

3) Farm Name/Surface Owner: MA Miller Public Road Access: SLS 58

4) Elevation, current ground: 1364' Elevation, proposed post-construction: 1364'

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 Associated Pressure(s):  
Marcellus, Approximate TVD 7439', approximate thickness 50', +/- 4600 psi

8) Proposed Total Vertical Depth: 7439'

9) Formation at Total Vertical Depth: Onondaga (less than 50')

10) Proposed Total Measured Depth: 17200'

11) Proposed Horizontal Leg Length: 9221'

12) Approximate Fresh Water Strata Depths: 539'

13) Method to Determine Fresh Water Depths: Based on drilling history in nearby wells

14) Approximate Saltwater Depths: 2175'

15) Approximate Coal Seam Depths: 1265'

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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Environmental Protection

4710303079  


WW-6B  
 (9/13)

18)

**CASING AND TUBING PROGRAM**

<u>TYPE</u>	<u>Size</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling</u>	<u>INTERVALS: Left in Well</u>	<u>CEMENT: Fill-up (Cu. Ft.)</u>
Conductor	20"	New	J-55	94#	100'	100'	
Fresh Water	13-3/8"	New	J-55	54.5#	1350'	1350'	625, CTS
Coal							
Intermediate	9-5/8"	New	J-55	40#	3500'	3500'	1650, CTS
Production	5-1/2"	New	P-110	20#	17200'	17200'	4375
Tubing	2-3/8"	New	N-80	4.7#		7250'	
Liners							

*PmH*  
*2-19-15*

<u>TYPE</u>	<u>Size</u>	<u>Wellbore Diameter</u>	<u>Wall Thickness</u>	<u>Burst Pressure</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20"	24"	0.438	2110		N/A
Fresh Water	13-3/8"	17-1/2"	0.38	2740	Class A	1.2
Coal						
Intermediate	9-5/8"	12-1/4"	0.395	3950	Premium H/50-50 Poz H	Tail 1.27, Lead 1.51
Production	5-1/2"	8-3/4"	0.361	12640	Premium H/50-50 Poz H	Tail 1.27, Lead 1.51
Tubing	2-3/8"	4.778"	0.19	11200		
Liners						

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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18)

**CASING AND TUBING PROGRAM**

<b>TYPE</b>	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	J-55	94#	100'	100'	330, CTS
Fresh Water	13-3/8"	New	J-55	54.5#	1350'	1350'	625, CTS
Coal							
Intermediate	9-5/8"	New	J-55	40#	3500'	3500'	1650, CTS
Production	5-1/2"	New	P-110	20#	17200'	17200'	4375
Tubing	2-3/8"	New	N-80	4.7#			
Liners							

<b>TYPE</b>	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Max. Associated Surface Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20"	24"	0.438	2110	50	Class A	1.2
Fresh Water	13-3/8"	17-1/2"	0.38	2740	600	Class A	1.2
Coal							
Intermediate	9-5/8"	12-1/4"	0.395	3950	1500	Premium H50-50 Poz H	Tail 1.27, Lead 1.51
Production	5-1/2"	8-3/4"	0.361	12640	5000	Premium H50-50 Poz H	Tail 1.27, Lead 1.51
Tubing	2-3/8"	4.778"	0.19	11200			
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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4710303070

WW-6B  
(10/14)

API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
OPERATOR WELL NO. Mary Miller GRT WZ 1H  
Well Pad Name: Mary Miller GRT WZ

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

Drill, case, cement, and complete a horizontal Marcellus well. No pilot holes planned. Conductor rig will be used to set conductor and then another rig will move in to drill out of conductor to proposed total depth.

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

Plan we hydraulically fracture/stimulate the well with "slickwater" frac technique. Will utilize a plug and perforation technique through cased hole. Max surface pressure during the frac will be 10,000 psi. Max BHP (bottom hole pressure) would be 13,500 psi at 8,000 ft TVD.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 0

22) Area to be disturbed for well pad only, less access road (acres): 4.32

23) Describe centralizer placement for each casing string:

Conductor: N/A  
Surface: Centralizer every 3 joints or 120'  
Intermediate: Centralizer every 3 joints or 120'  
Production: Run 1 spiral centralizer every 120' from the first 5.5" long joint to the top of the curve  
Run 1 spiral centralizer every 200' from the top of the curve to surface

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

Conductor: Class A Cement (see attachment for complete description)  
Surface: Class A Cement (see attachment for complete description)  
Intermediate: Premium H/50-50 Poz H Cement (see attachment for complete description)  
Productions: Premium H/50-50 Poz H Cement (see attachment for complete description)

25) Proposed borehole conditioning procedures:

The wellbore will be properly circulated at TD of each section until as much of the residual drill cuttings have been removed from the wellbore as possible, residual drilling gas has been circulated out and until the mud and wellbore are both constant and stable. Mud properties will be adjusted if needed. Hole cleaning times may vary from well to well, hole section to hole section.

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\*Note: Attach additional sheets as needed.

4710303070

**Cement Additives for WW-6B**

**Class A – Neat + 2% BWOC Calcium + Chloride + .25% BWOC Flo-Seal Additives are Polyflake LCM**

**Class H Premium + 0.75% FI 17 + 0.1% C41P + 0.15% C45 + 3pps gilsonite + 0.2% C20 Additives are FL-17, C41-P, C-45, Gilsoite, and C-20**

**50/50 Poz H + 0.5 %FL 17 + 5% Gyp + 0.1% C41P + 0.15% C51 + 0.1% C20 Additives are FL-17, Gypsum, C41-P, C-51, and C-20**

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**03/06/2015**

4710303070

WW-9  
(9/13)

API Number 47 - \_\_\_\_\_  
Operator's Well No. Mary Miller GRT WZ 1H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name American Energy - Marcellus, LLC OP Code 4945100500

Watershed (HUC 10) Fishing Creek Quadrangle Big Run

Elevation 1364' County Wetzel District Center

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: Closed loop system no pits will be used

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 see attached sheet titled UIC Wells and Landfills )
- Reuse (at API Number next anticipated well )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: yes; see attached sheet titled Closed loop typical description

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air, Freshwater mist, and Synthetic based oil

-If oil based, what type? Synthetic, petroleum, etc. Synthetic oil based drilling mud

Additives to be used in drilling medium? see attached sheet titled drilling additives

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

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

-Landfill or offsite name/permit number? see attached sheet titled UIC Wells and Landfills

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 [Signature]

Company Official (Typed Name) American Energy - Marcellus, LLC

Company Official Title Field Coordinator

Subscribed and sworn before me this 16 day of DEC, 20 14

[Signature]

My commission expires 1/23/18

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Dm14  
2-14-15



4710303070

Form WW-9

Operator's Well No. Mary Miller GRT WZ1H

American Energy - Marcellus, LLC

Proposed Revegetation Treatment: Acres Disturbed 9.22 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch minimum of 2-3 Tons/acre

Seed Mixtures

**Temporary**

**Permanent**

Seed Type lbs/acre  
See attached

Seed Type lbs/acre  
See attached

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Oil + Gas Inspector

Date: 2-19-15

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Field Reviewed?  Yes  No

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4710303070

**Closed Loop Typical Description**

A series of storage tanks that separate liquids and solids along with screen shakers, hydro cyclones, centrifuges and collection equipment (e.g., vacuum trucks, shale barges) may be on site. The wastes created are minimized and transferred off-site for disposal.

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WV Dept. of Environmental Protection

03/06/2015

4710303070

**UIC WELLS and Landfills**

<b><u>Disposal Location</u></b>	<b><u>Type</u></b>	<b><u>Permit No.</u></b>
Wetzel County Landfill –	Landfill	SWF-1021/WV010985
Short Creek Landfill –	Landfill	SWP-1034/WV0109517
Brooke County –	Landfill	SWF-1013/WV0109029
Kemble -	UIC Well	34-119-2-8780-00-00
Elkhead-	UIC Well	34-157-2-5511-00-00
Kent Injection Well	UIC Well	34-119-2-7350-00-00
Moran Well	UIC Well	34-089-2-4412-00-00

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**Drilling Additives**

Air mist system additives are commonly; Rock Drill Oil, Drilling Foam, Drilling Soap, and occasionally Shale Stabilizer (KCl).

**Synthetic Oil Based Additives**

The base oil is the main ingredient, and it will run approx. 70% of the fluid volume, water will make up about 25%, the remaining 5% by volume will include a mixture of the following:

ANCO Gel	Anco Mul OW
Cottonseed Hulls	Anco Mul P
D294	Anco Mul S
Anco Bar	Anco Mul Thin
Petrogel 100	Anco Thunder Plug
Claytone	Calcium Carbonate M
Lime	Cedar Fiber
Calcium Chloride	LCF Blend
Anco Trol	Mica Fine
Base Oil (Kensol 48H)	Walnut Shell Med
Anco Mul Mod	Anco Drill A

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4710303070

**Temporary and Permanent Seed Mix**

250 lbs. /acre

**Mix Details**

Medium red clover	4%
Alsike clover	4%
Birds foot trefoil	5%
Forage tall fescue	45%
Forage perineal rye	20%
Annual rye	11%
Winter wheat	10%

**Straw**

Winter – 3 ton per acre

Summer – 2 ton per acre

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WV Dept. of Environmental Protection

03/06/2015



AMERICAN ENERGY  
UTICA

47 10 303070

December 30th, 2014

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
Attn: Laura Cooper or whomever concerned  
601 57<sup>th</sup> Street  
Charleston, West Virginia 25304

Re: Site Safety Plan for a Permit to Drill  
Mary Miller GRT WZ 1H

Dear Ms. Cooper,

American Energy – Marcellus, LLC respectfully submits the site safety plan on the enclosed CD. Also included on the CD is a file that contains all of our safety data sheets for both drilling and fracing.

If you need any additional information, please feel free to contact me.

Best Regards,

Ariel Bravo  
Regulatory Technician  
[ariel.bravo@aep-lp.com](mailto:ariel.bravo@aep-lp.com)  
Cell 405-403-4803  
Office 405-607-5529

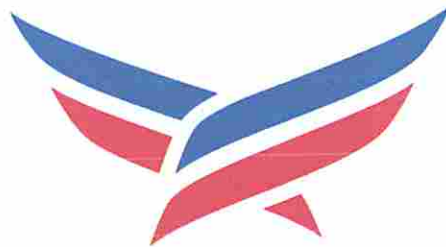
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# Mary Miller GRT WZ 1H, 3H, 5H & 7H Site Safety Plan

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AMERICAN ENERGY  
MARCELLUS

*DMH  
2-19-15*

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FEB 20 2015

NO.	DATE	DESCRIPTION



**WATER SAMPLING FIELD MAP**  
**MARY MILLER WELL PAD**  
 WETZEL COUNTY, WV

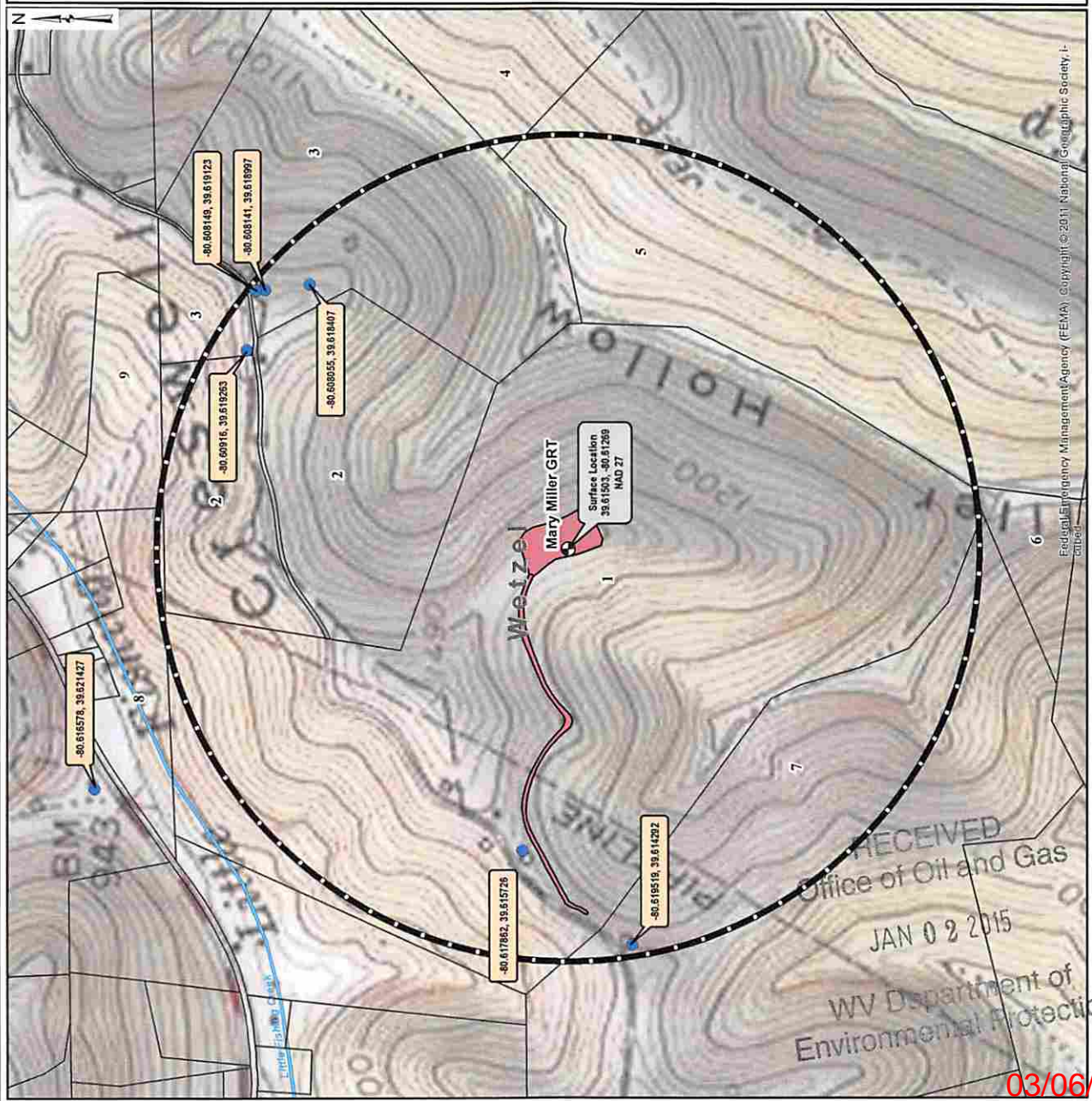


ISSUE: EXHIBIT  
 DATE: 12/03/2014  
 JOB NO.: 751009  
 DRAWN: CHD  
 SHEET NO.:

4710303070

PARCEL NO.	OWNER	AREA ACRES
1	EMILY DUNAWAY & DONALD CALHOUN	10.11
2	RAMPOUR STEEL CO	10.11
3	TOOK & SON INC	10.11
4	JAMES A. BURKE CORP	10.11
5	DEWANE & SHERWIN	10.11
6	JAMES A. BURKE CORP	10.11
7	DEWANE & SHERWIN	10.11
8	DEWANE & SHERWIN	10.11
9	DEWANE & SHERWIN	10.11

- Water Well Location WW
- AEU Surface Location
- AEU Testing Radius (2000')
- Miller Well Pad NAD83
- Miller Access Road NAD83
- Streams and Rivers
- 100 Year Flood Zones
- Wetzel County Parcel Line
- WW County Lines



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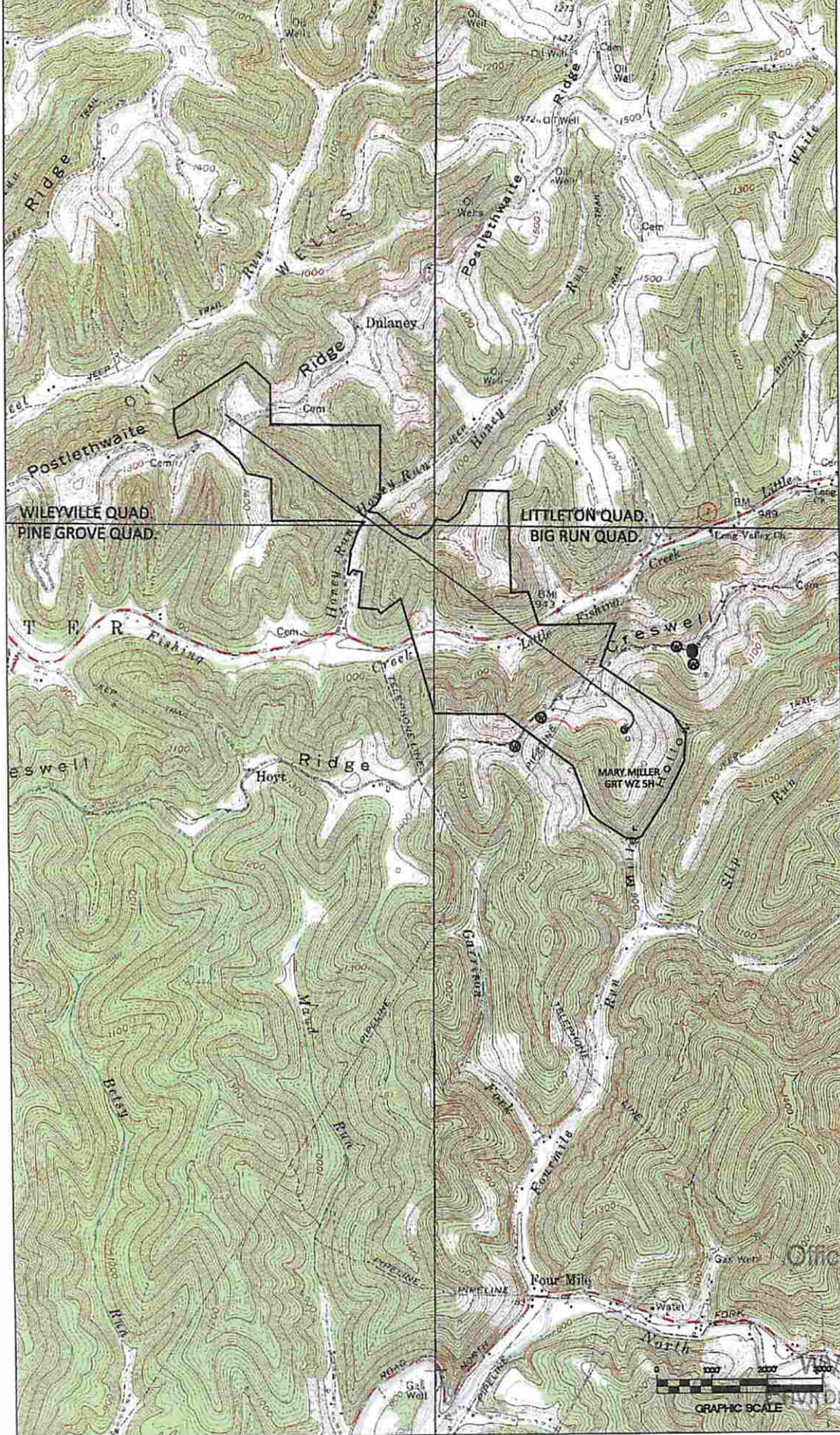
03/06/2015

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WELL NAME: MARY MILLER GRT WZ 5H  
QUAD: BIG RUN, WV

47 10 30 30 70



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Environmental Protection

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SURFACE HOLE DEC. LONG: 80.612622  
SURVEYED LONG: 80° 36' 45.4"

8,250'

Latitude: 39° 37' 30" (NAD27)

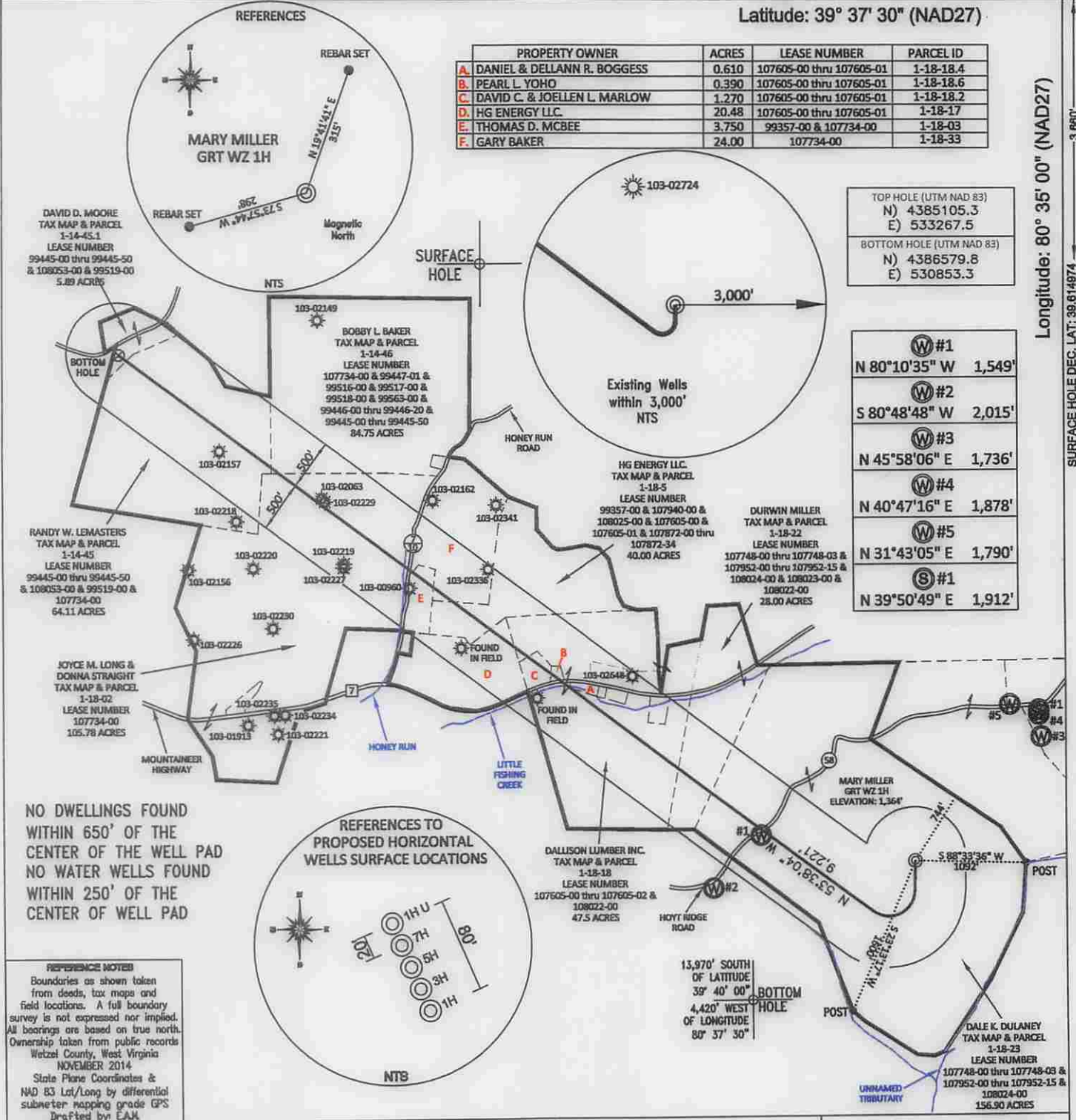
Longitude: 80° 35' 00" (NAD27)

3,860'  
SURFACE HOLE DEC. LAT: 39.614974  
SURVEYED LAT: 39° 36' 05.8"

	PROPERTY OWNER	ACRES	LEASE NUMBER	PARCEL ID
A	DANIEL & DELLANN R. BOGGESS	0.610	107605-00 thru 107605-01	1-18-18.4
B	PEARL L. YOHO	0.390	107605-00 thru 107605-01	1-18-18.6
C	DAVID C. & JOELLEN L. MARLOW	1.270	107605-00 thru 107605-01	1-18-18.2
D	HG ENERGY LLC.	20.48	107605-00 thru 107605-01	1-18-17
E	THOMAS D. MCBEE	3.750	99357-00 & 107734-00	1-18-03
F	GARY BAKER	24.00	107734-00	1-18-33

TOP HOLE (UTM NAD 83)	N) 4385105.3
E) 533267.5	
BOTTOM HOLE (UTM NAD 83)	N) 4386579.8
E) 530853.3	

W#1	N 80°10'35" W	1,549'
W#2	S 80°48'48" W	2,015'
W#3	N 45°58'06" E	1,736'
W#4	N 40°47'16" E	1,878'
W#5	N 31°43'05" E	1,790'
S#1	N 39°50'49" E	1,912'



FILE #: AE001  
DRAWING #: 2454  
SCALE: PLAT - 1" = 1400'  
TICK MARK - 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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.  
Signed: *[Signature]*  
L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304

DATE: FEBRUARY 23, 2015  
OPERATOR'S WELL #: MARY MILLER GRT WZ 1H  
API WELL #: 47 103 0307016A  
STATE COUNTY PERMIT

Well Type:  Oil  Waste Diposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: FISHING CREEK  
COUNTY/DISTRICT: WETZEL / CENTER  
SURFACE OWNER: DALE K. DULANEY  
OIL & GAS ROYALTY OWNER: PATSY C. FISH, ARTHUR R. & JOAN E. MILLER, CONNIE S. WHITE, KEITH R. MOORE  
LEASE NUMBERS:

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY):

TARGET FORMATION: MARCELLUS  
ESTIMATED DEPTH: TVD: 7,439' TMD: 17,200'  
WELL OPERATOR: American Energy-Marcellus LLC.  
DESIGNATED AGENT: Eric B. Gillespie  
ADDRESS: 3501 NW 63rd Street  
ADDRESS: 103 Taryn Lane  
CITY: Oklahoma City STATE: OK ZIP CODE: 73116  
CITY: Cross Lanes STATE: WV ZIP CODE: 25313

ASBUILT ELEVATION: 1,364'  
QUADRANGLE: BIG RUN, WV  
ACREAGE: 156.90 + / 03/06/2015  
ACREAGE: 583.43 + / -