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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

April 23, 2015

**WELL WORK PLUGGING PERMIT**

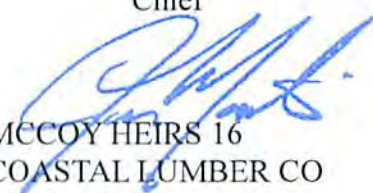
**Plugging**

This permit, API Well Number: 47-10302503, 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin  
Chief



Operator's Well No: MCCOY HEIRS 16  
Farm Name: COASTAL LUMBER CO  
**API Well Number: 47-10302503**  
**Permit Type: Plugging**  
Date Issued: 04/23/2015

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1) Date February 16, 20 15  
2) Operator's  
Well No. McCoy Heirs 16  
3) API Well No. 47-103 - 02503

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil  / Gas  / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow

5) Location: Elevation 1325' Watershed Piney Fork  
District Green County Wetzel Quadrangle Pine Grove 7.5'

6) Well Operator American Energy - Marcellus, LLC 7) Designated Agent Eric Gillespie  
Address 3501 NW 63rd Address 103 Taryn Lane  
Oklahoma City, OK 73116 Cross Lanes, WV 25313

8) Oil and Gas Inspector to be notified Name Derek Haught  
Address P.O. Box 85  
Smithville, WV 26178  
9) Plugging Contractor Name To be determined upon approval of permit.  
Address \_\_\_\_\_

10) Work Order: The work order for the manner of plugging this well is as follows:  
See attached plugging procedure and schematic.

THIS WELL WHEN PLUGGED MAY USE A MARKER VARIANCE IN LIEU OF CONSTRUCTING A MONUMENT. SEE ATTACHED GENERAL VARIANCE.

JMM 4/23/15

Received

MAR 19 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_



MONUMENT VARIANCE

The Office of Oil and Gas is ~~considering~~<sup>granting</sup> a general variance to the requirements under 35CSR4-5.5b of erecting a monument upon the plugging of certain wells. If granted, the following conditions will be met:

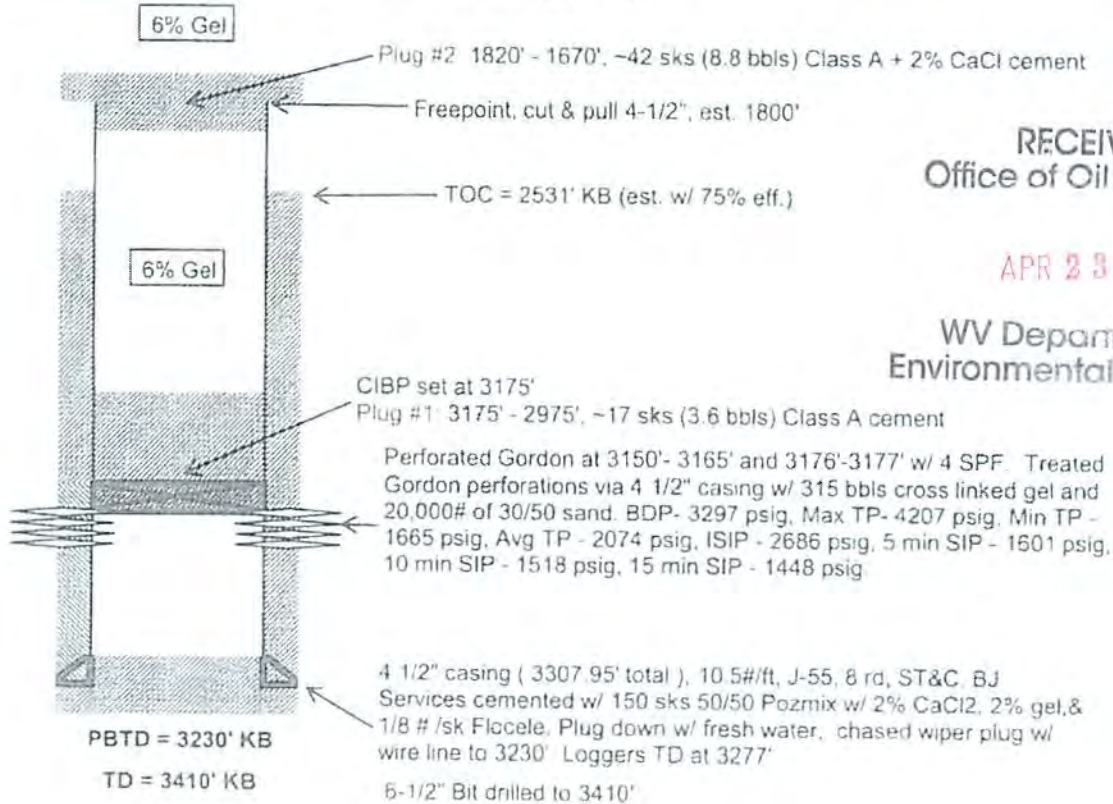
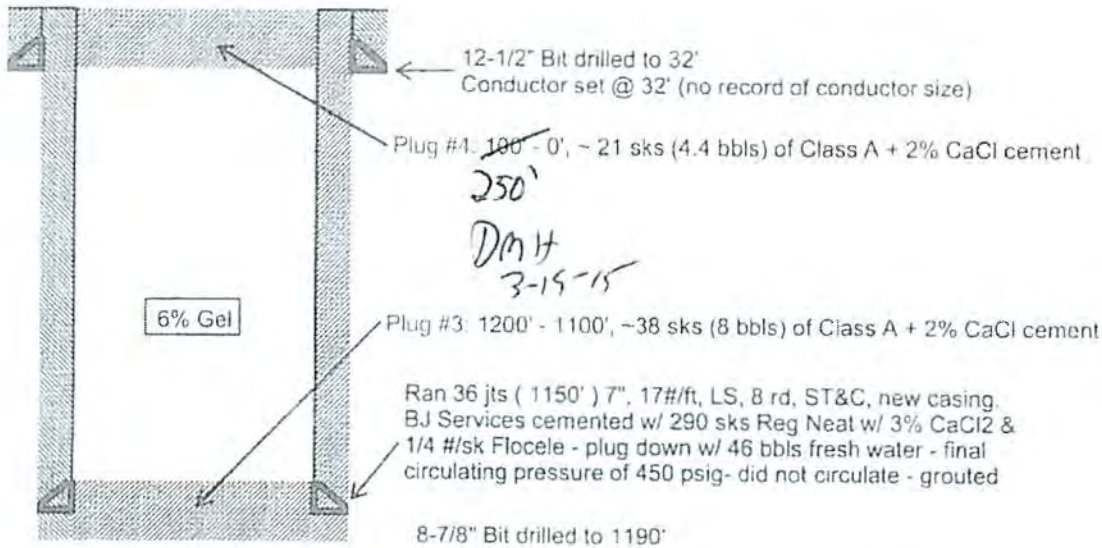
- 1) the well will be surveyed and a plat constructed as required under 22-6 of the WV Code and 35CSR4,
- 2) a readily visible, permanent offset marker, in as close proximity as reasonably possible, will be erected and will provide distance and bearing information to the plugged well,
- 3) the plugging affidavit (form WR-38), will document the absence of a monument at the well location and document the existence and location of the offset marker,
- 4) a steel plate no smaller than one square foot shall be affixed to the well casing no deeper than three feet below the ground surface and be inscribed with the api number of the well.

To qualify under the general variance, an operator may make a variance request to the Chief of the Office of Oil and Gas for a specific well(s) in conjunction with a showing of good cause by the surface owner.

WV - Wetzel - Stringtown Field - McCoy Heirs #16 - API No. 47-103-02503

### American Energy Marcellus

McCoy Heirs #16 - Proposed WBD  
 Permit Number 47-103-02503  
 Wetzel County, WV - Stringtown Field



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 Office of Oil and Gas

APR 23 2015

WV Department of  
 Environmental Protection

8/13/2009

API # 47 103 2503

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

COPY

Well Operator's Report of Well Work

Farm name: COASTAL LUMBER CO. Operator Well No.: MCCOY HEIRS 16

LOCATION: Elevation: 1,314' Quadrangle: PINE GROVE 7.5'

District: GREEN County: WETZEL  
Latitude: 11,725 Feet south of 39 Deg 32 Min 30 Sec.  
Longitude: 7,225 Feet west of 80 Deg 40 Min 0 Sec.

Company: EAST RESOURCES, INC.  
P.O. BOX 5519  
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: DAVID SCRANAGE  
Permit Issued: 08/13/09  
Well work Commenced: 08/19/09  
Well work Completed: 08/28/09

Verbal plugging permission granted on:  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 3410'  
Fresh water depths (ft) N/A  
Salt water depths (ft) 1820'

Is coal being mined in area (Y/N) N  
Coal Depths (ft): NA

Casing Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
		Received MAR 19 2015	
		Office of Oil and Gas WV Dept. of Environmental Protection	
7"	1150'	1150'	290 sks
4 1/2"	3307.95'	3307.95'	150 sks

OPEN FLOW DATA \* WATERFLOOD PRODUCER

Producing formation Gordon Pay zone depth (ft) 3150'-3165', 3176'-3177'  
 Gas: Initial open flow \* MCF/d Oil: Initial open flow \* Bbl/d  
 Final open flow \* MCF/d Final open flow \* Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EAST RESOURCES, INC.  
By: [Signature]  
Date: 9/14/09

04/24/2015

Treatment : Treated perfs (3150'-3165', 3176'-3177") w/ 250 gals. 15% HCl, 315 bbls cross linked gel, and 20,000 # 30/50 sand.

Well Log :

0	420	Sand and Shale
420	448	Sand
448	510	Shale
510	546	Sand
546	850	Shale
850	876	Sand
876	886	Shale
886	954	Sand
954	962	Shale
962	970	Sand
970	1016	Shale
1016	1037	Sand
1037	1052	Shale
1052	1087	Sand
1087	1110	Shale
1110	1154	Sand
1154	1192	Shale
1192	1213	Sand
1213	1498	Shale
1498	1522	Sand
1522	1582	Shale
1582	1636	Sand
1636	1675	Shale
1675	1718	Sand
1718	1734	Shale
1734	1783	Sand
1783	1885	Shale
1885	1902	Sand
1902	1975	Shale
1975	1997	Sand
1997	2070	Shale
2070	2106	Sand
2106	2249	Shale
2249	2264	Sand
2264	2288	Shale
2288	2365	Big Lime
2365	2550	Big Injun
2550	3118	Shale
3118	3134	Gordon Stray
3134	3144	Shale
3144	3165	Gordon
3165	3174	Shale
3174	3178	Sand
3178	3410	Shale
3410		TD

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Office of Oil and Gas  
WV Dept. of Environmental Protection



WW-4A  
Revised 6-07

1) Date: 2/16/15  
2) Operator's Well Number  
McCoy Heirs 16  
3) API Well No.: 47 - 103 - 02503

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>Coastal Lumber Company</u>	Name _____
Address <u>P.O. Box 979</u>	Address _____
<u>Buckhannon, WV 26201</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
<b>6) Inspector</b> <u>Derek Haught</u>	(c) Coal Lessee with Declaration <u>MAR 19 2015</u>
Address <u>P.O. Box 85</u>	Name _____
<u>Smithfield, WV 26178</u>	Address _____
Telephone <u>304-306-7613</u>	_____
	<u>Office of Oil and Gas</u>
	<u>WV Dept. of Environmental Protection</u>


Received

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator American Energy - Marcellus, LLC  
 By: Trent L Carroll   
 Its: Senior Regulatory Analyst  
 Address 3501 NW 63rd  
Oklahoma City, OK 73116  
 Telephone 405-607-5476

Subscribed and sworn before me this 16th day of February  
 Notary Public  
 My Commission Expires 1/23/18



**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



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**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

**BUCKHANNON, WV 26201** **OFFICIAL USE**

Postage	\$	\$0.49	
Certified Fee		\$3.30	
Return Receipt Fee (Endorsement Required)		\$2.70	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.49</b>	

02/17/2015

Sent To: Coastal Lumber Company  
 Street & Apt. No., or PO Box No.: PO Box 979  
 City, State, ZIP+4: Buckhorn, WV 26201

PS Form 3800, July 2014 See Reverse for Instructions

Received

MAR 19 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

WW-9  
(9/13)

API Number 47 - 103 - 02503  
Operator's Well No. McCoy Heirs 16

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 494510050

Watershed (HUC 10) Piney Fork Quadrangle Pine Grove 7.5'

Elevation 1325' County Wetzel District Green

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.? \_\_\_\_\_

ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OF PROPERLY. gmm

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No expected waste to dispose other than produced water.)

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. \_\_\_\_\_

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) \_\_\_\_\_

-Landfill or offsite name/permit number? N/A

Office of Oil and Gas  
WV Dept. of Environmental Protection

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 Trent L. Carroll

Company Official (Typed Name) Trent L. Carroll

Company Official Title Sr. Regulatory Analyst

Subscribed and sworn before me this 18<sup>th</sup> day of March, 2015

[Signature] Notary Public

My commission expires 1/23/18



04/24/2015

Form WW-9

Operator's Well No. McCoy Heirs 16

American Energy - Marcellus, LLC

Proposed Revegetation Treatment: Acres Disturbed 0.7 acres Prevegetation pH \_\_\_\_\_

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Straw 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	5

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:

**RECEIVED**  
**Office of Oil and Gas**

APR 23 2015

**WV Department of**  
**Environmental Protection**

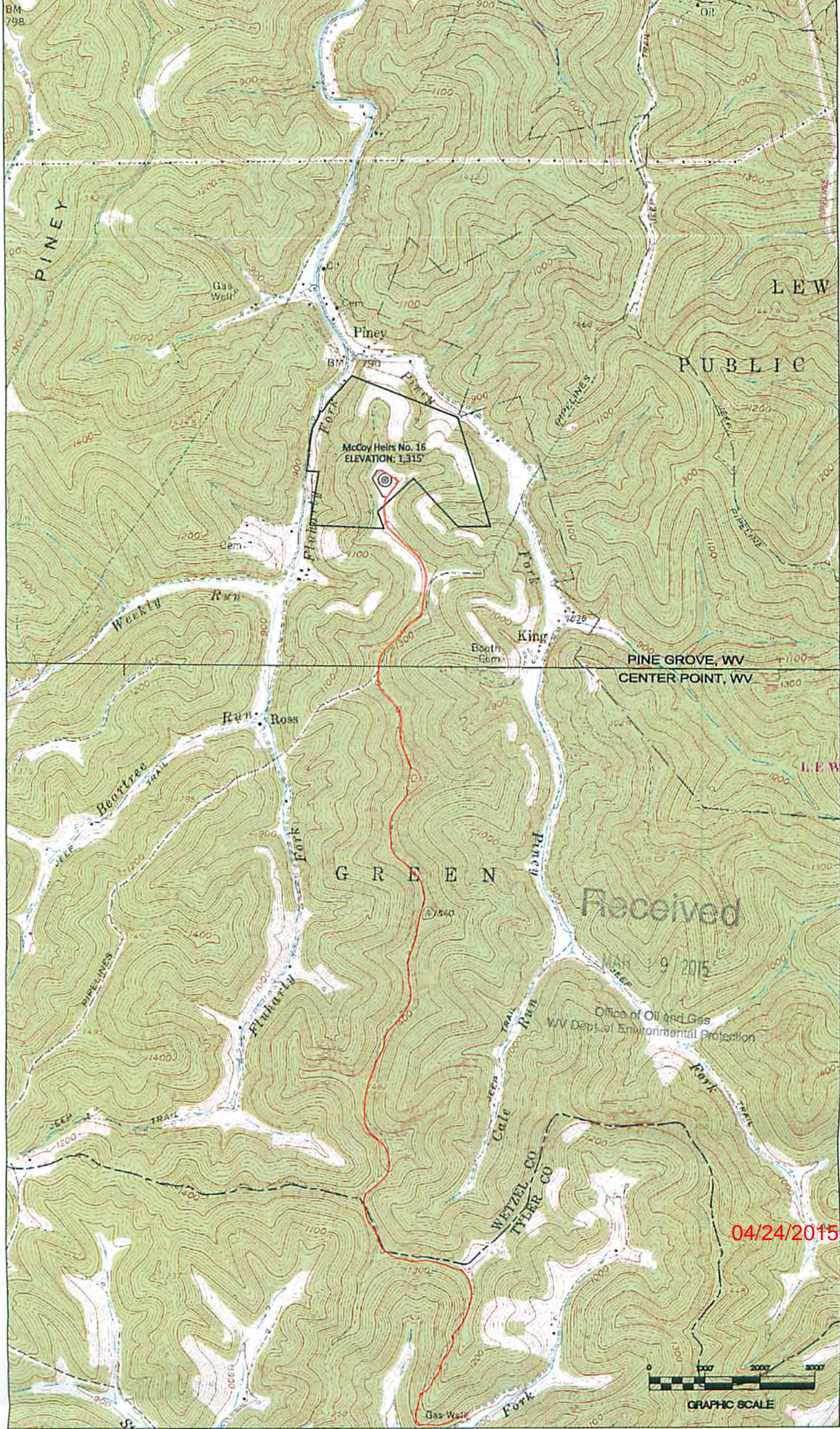
Title: Oil + Gas Inspector Date: 3-19-15

Field Reviewed?  Yes  No



10302503A

WELL NAME: McCoy Heirs No. 16  
QUAD: CENTER POINT, WV



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MAR 9 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

04/24/2015



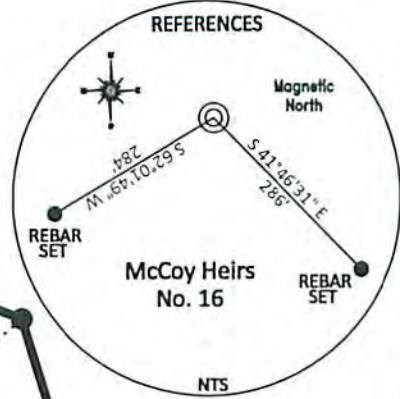
GRAPHIC SCALE



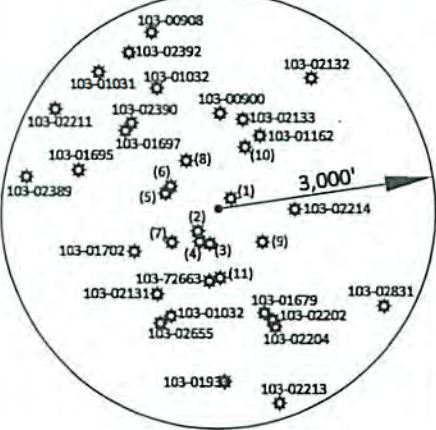
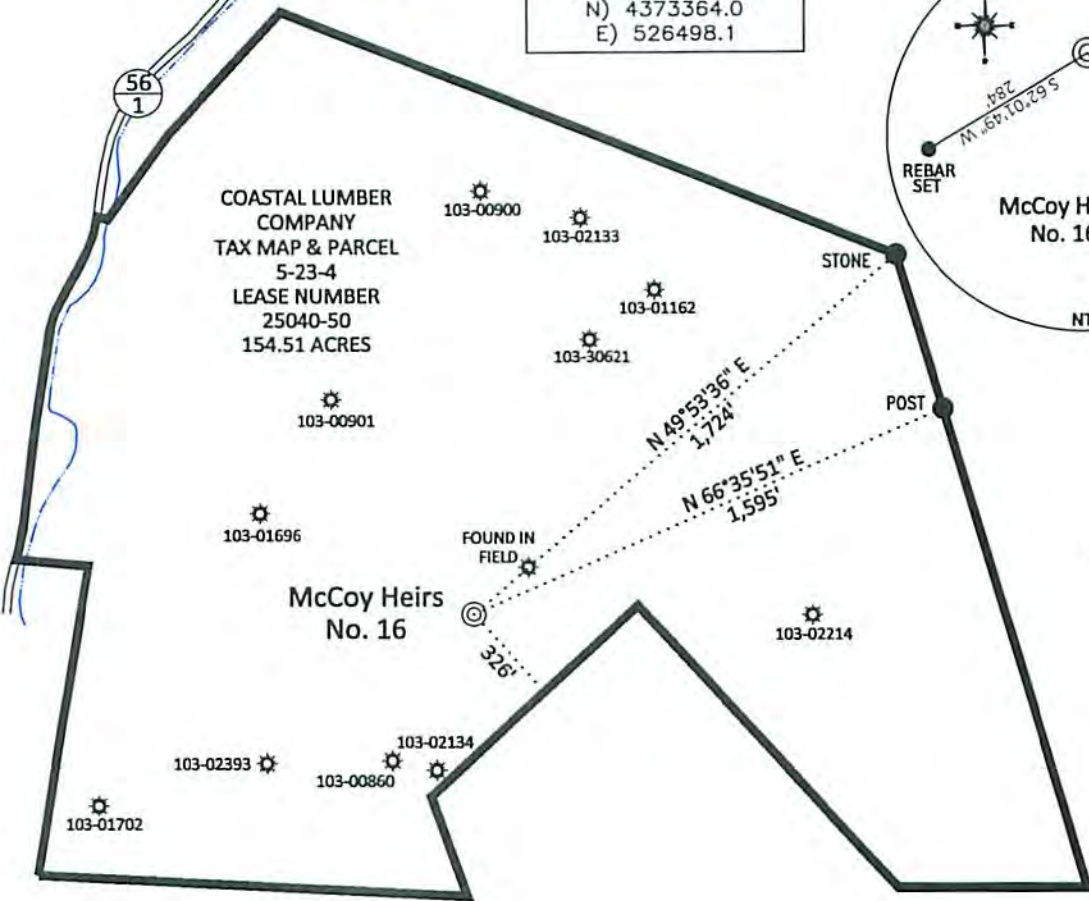
FLUHARTY FORK ROAD

FLUHARTY FORK

TOP HOLE (UTM NAD 83)  
 N) 4373364.0  
 E) 526498.1



COASTAL LUMBER COMPANY  
 TAX MAP & PARCEL  
 5-23-4  
 LEASE NUMBER  
 25040-50  
 154.51 ACRES



EXISTING WELLS WITHIN 1000'

API NUMBER	BEARING	DISTANCE
(1) Found In Field	N 51°47'15" E	225.95'
(2) Found in Field	S 41°05'48" W	416.73'
(3) 103-02134	S 11°09'26" W	516.18'
(4) 103-00860	S 28°16'09" W	521.12'
(5) 103-00674	N 73°54'27" W	754.18'
(6) 103-01696	N 64°55'55" W	721.18'
(7) 103-02393	S 53°33'49" W	787.49'
(8) 103-00901	N 33°22'28" W	788.02'
(9) 103-02505	S 53°02'10" E	767.78'
(10) 103-30621	N 23°38'04" E	922.43'
(11) 103-02504	S 02°10'49" E	963.16'

NO DWELLINGS FOUND WITHIN 650' OF THE CENTER OF THE WELL PAD  
 NO WATER WELLS FOUND WITHIN 250' OF THE CENTER OF WELL PAD

REFERENCE NOTES  
 Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Wetzel County, West Virginia JANUARY 2015 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by: EAM

FILE #: AE003  
 DRAWING #: 2492  
 SCALE: PLAT - 1" = 600'  
 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  
 Well Type:  Oil  Waste Diposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow  
 WATERSHED: FISHING CREEK  
 COUNTY/DISTRICT: WETZEL / GREEN  
 SURFACE OWNER: COASTAL LUMBER COMPANY  
 OIL & GAS ROYALTY OWNER:  
 LEASE NUMBERS:

DATE: FEBRUARY 25, 2015  
 OPERATOR'S WELL #: McCoy Heirs No. 16  
 API WELL #: 47 103 02503 P  
 STATE COUNTY PERMIT  
 ELEVATION: 1315'  
 QUADRANGLE: CENTER POINT, WV  
 ACREAGE: 154.51 + / -  
 ACREAGE: 154.51 + / -

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY):  
 TARGET FORMATION: GORDON  
 ESTIMATED DEPTH: TVD: 3,410' TMD: 3,410'  
 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

SURFACE HOLE DEC. LAT: 39.509416 SURVEYED LAT: 39° 30' 33.0"

04/24/2015



SURFACE HOLE DEC. LONG: 80.691943  
SURVEYED LONG: 80° 41' 31.0"

7,150'

Latitude: 39° 32' 30" (NAD27)

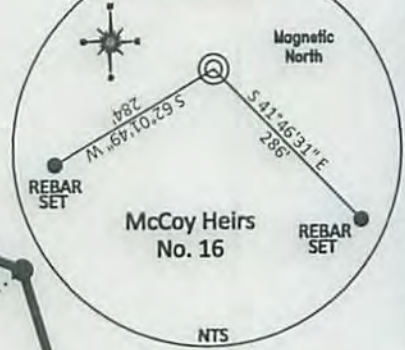
Longitude: 80° 40' 00" (NAD27)

FLUHARTY FORK ROAD

FLUHARTY FORK

TOP HOLE (UTM NAD 83)  
N) 4373364.0  
E) 526498.1

REFERENCES



COASTAL LUMBER COMPANY  
TAX MAP & PARCEL  
5-23-4  
LEASE NUMBER  
25040-50  
154.51 ACRES

103-00900

103-02133

103-01162

103-30621

103-00901

103-01696

McCoy Heirs  
No. 16

FOUND IN FIELD

326'

103-02214

103-02393

103-00860

103-02134

103-01702

STONE

POST

SURFACE HOLE

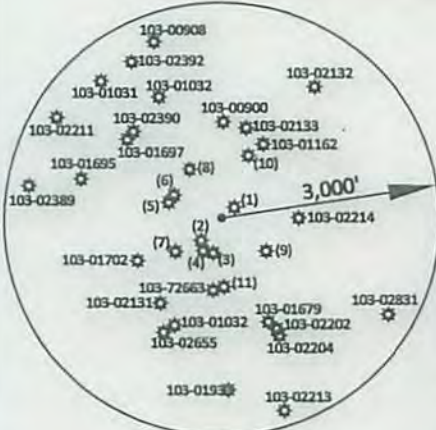
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(9) 103-02505	S 53°02'10" E	767.78'
(10) 103-30621	N 23°38'04" E	922.43'
(11) 103-02504	S 02°10'49" E	963.16'

REFERENCE NOTES

Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Wetzel County, West Virginia JANUARY 2015  
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
Drafted by EAM



FILE #: AE003

DRAWING #: 2492

SCALE: PLAT - 1" = 600'  
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

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

WATERSHED: FISHING CREEK

COUNTY/DISTRICT: WETZEL / GREEN

SURFACE OWNER: COASTAL LUMBER COMPANY

OIL & GAS ROYALTY OWNER:

LEASE NUMBERS:

DATE: FEBRUARY 25, 2015

OPERATOR'S WELL #: McCoy Heirs No. 16

API WELL #: 47 103 02503 P  
STATE COUNTY PERMIT

ELEVATION: 1315'

QUADRANGLE: CENTER POINT, WV

ACREAGE: 154.51 + 04/24/2015

ACREAGE: 154.51 +/-

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

TARGET FORMATION: GORDON

ESTIMATED DEPTH: TVD: 3,410' TMD: 3,410'

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

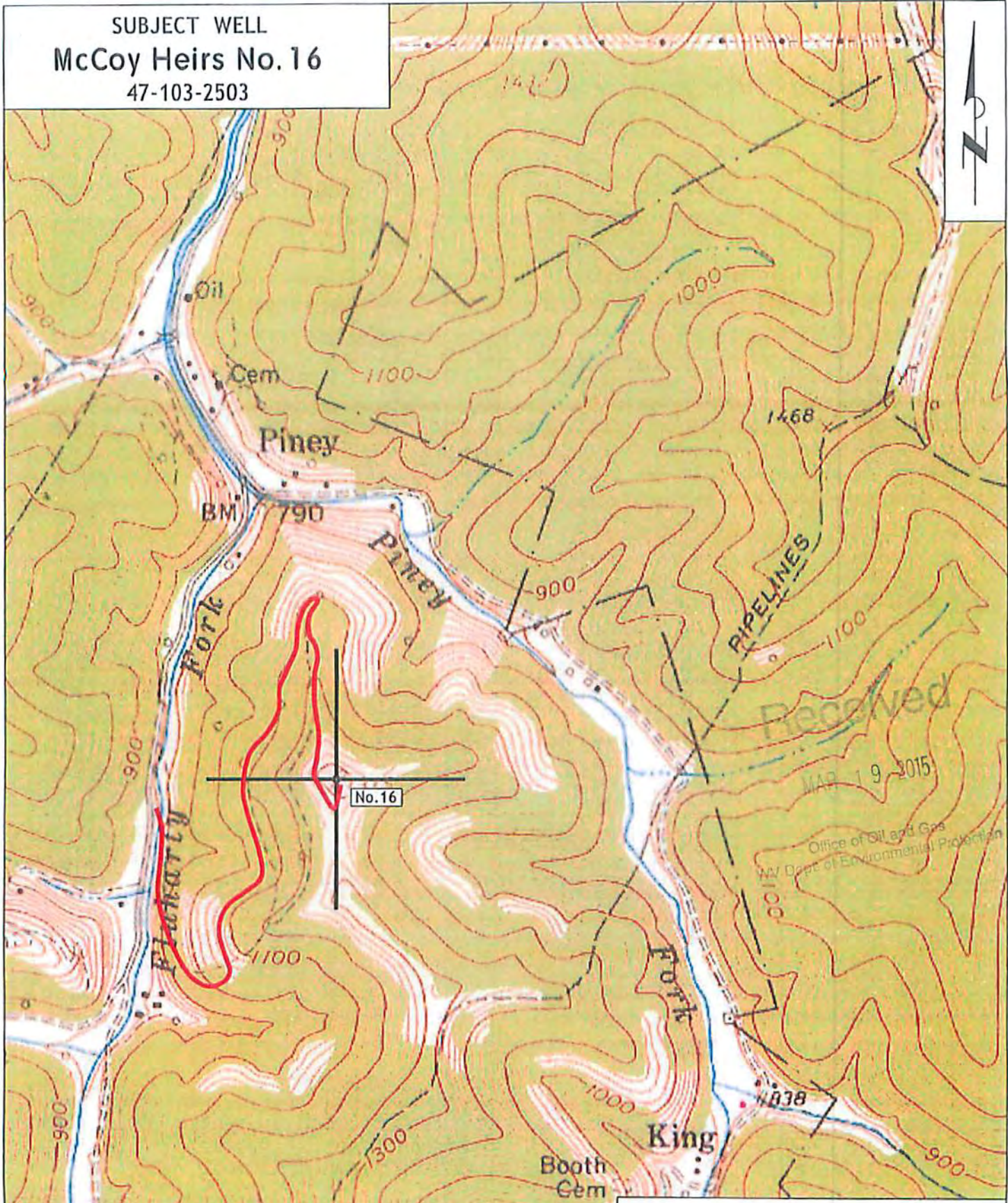
CITY: Cross Lanes STATE: WV ZIP CODE: 25313

SURFACE HOLE DEC. LAT: 39.509418 SURVEYED LAT: 39° 30' 33.8"



103025039

SUBJECT WELL  
McCoy Heirs No. 16  
47-103-2503



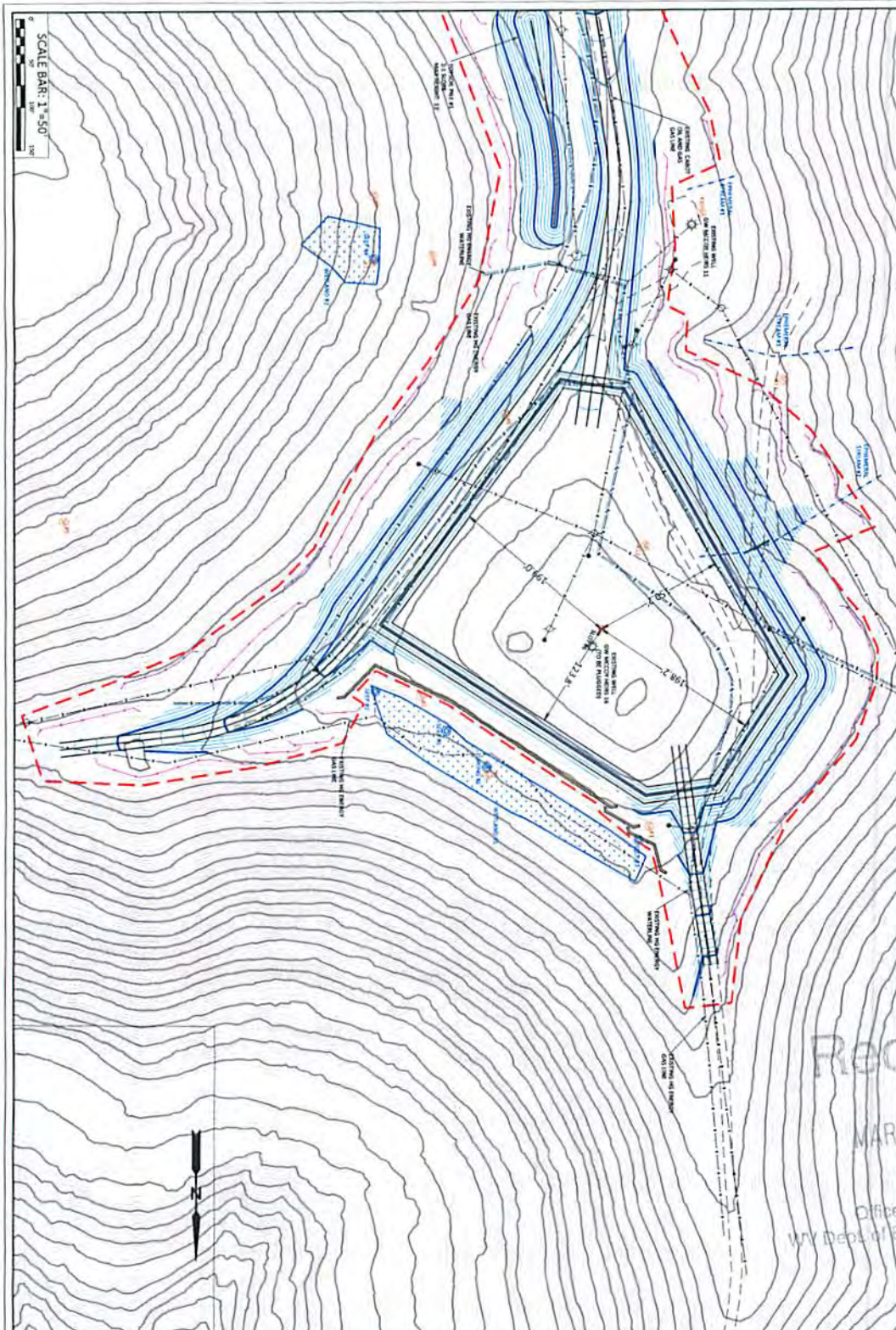
526

(CENTER POINT)  
48621 NW  
SCALE 1:24 000

Section of  
Pine Grove 7.5' Quadrangle  
SCALE 1"=1000'

04/24/2015





Received

MAR 19 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

<p style="color: red; text-align: center;">PRELIMINARY</p>	<p>GREEN DISTRICT, WETZEL COUNTY, WV</p> <p>WELLY GAIN WZ</p> <p>DATE: JANUARY 2015</p>	<p style="text-align: center;"><b>E&amp;S CONTROL LAYOUT</b></p> <p style="text-align: center;">THIS DOCUMENT WAS PREPARED BY: BOORD, BENCHEK AND ASSOC., INC. FOR: AMERICAN ENERGY MARCELLUS, LLC.</p>	<p>BOORD, BENCHEK AND ASSOC., INC. Engineering, Surveying, Construction, and Mining Services</p> <p>Southpointe, PA 15317 Phone: 724-746-1055</p>
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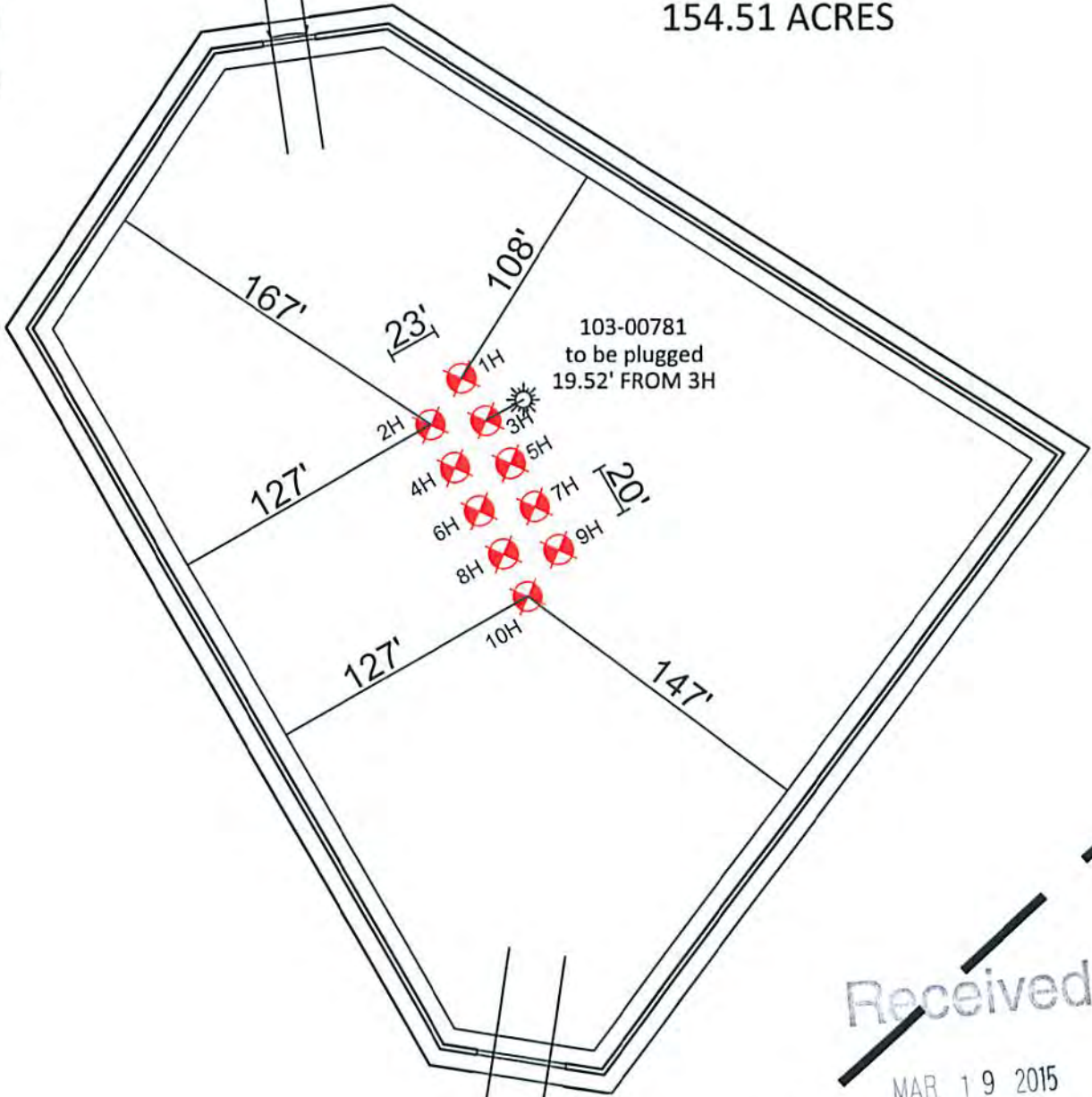








COASTAL LUMBER COMPANY  
TAX MAP & PARCEL  
5-23-4  
154.51 ACRES



Received

MAR 19 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

LLOYD J. & BETTY  
PRINE  
TAX MAP & PARCEL  
5-23-8  
45.00 ACRES

04/24/2015

103-00860

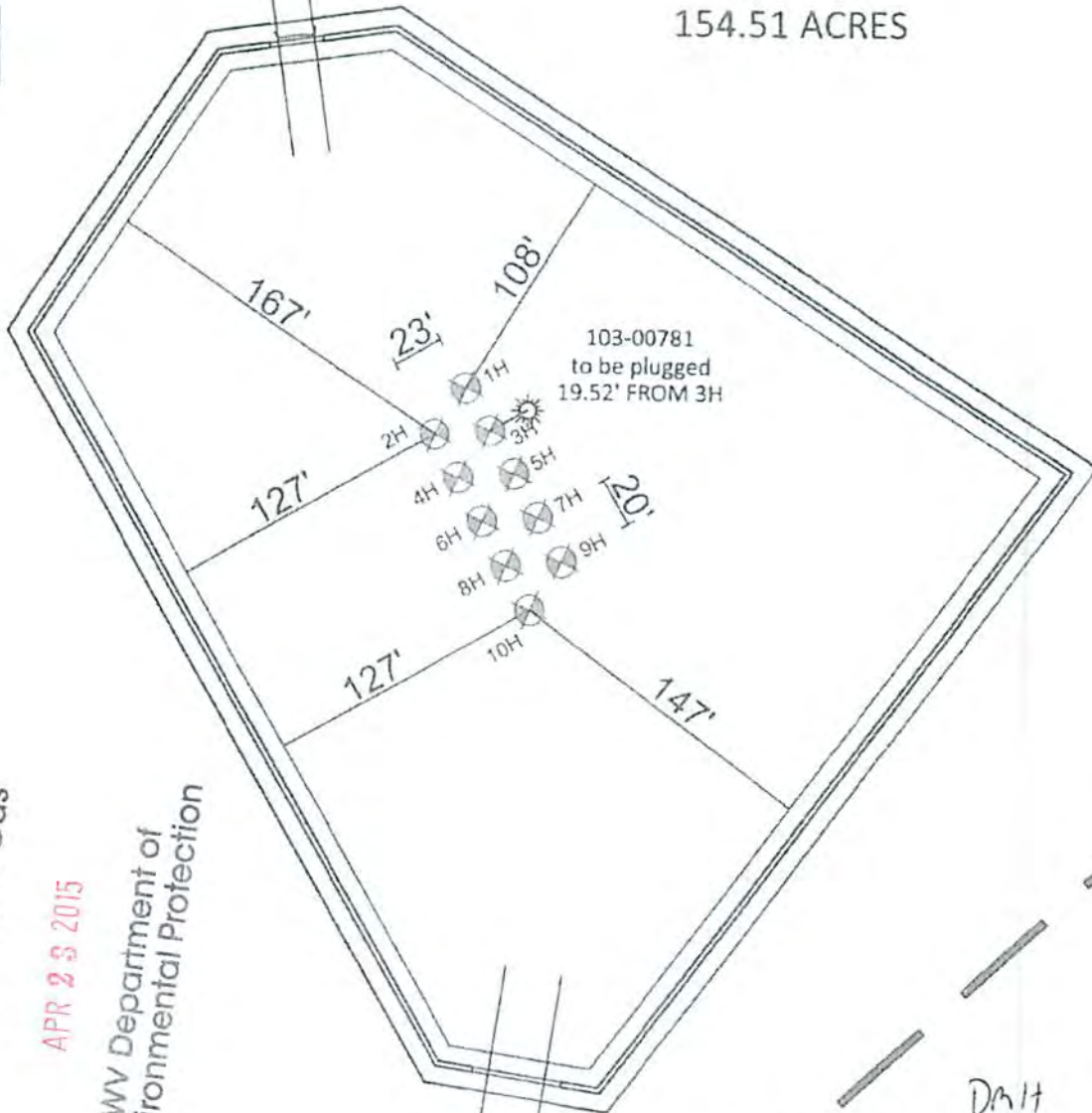


103-02134





COASTAL LUMBER COMPANY  
TAX MAP & PARCEL  
5-23-4  
154.51 ACRES



RECEIVED  
Office of Oil and Gas

APR 23 2015

WV Department of  
Environmental Protection

DMH  
3-19-15

103-00860



103-02134



LLOYD J. & BETTY  
PRINE  
TAX MAP & PARCEL  
5-23-8  
45.00 ACRES





**AMERICAN ENERGY  
MARCELLUS**

March 13, 2015

West Virginia Department of Environmental Protection  
Mr. Jeff McLaughlin  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Re: Monument Variance Request  
McCoy Heirs 16

Dear Mr. McLaughlin,

American Energy – Marcellus, LLC (AEM) respectfully requests a Plug and Abandoned Well Monument Variance for the McCoy Heirs 16 in Wetzel County, West Virginia. Additionally, AEM requests the authority to cut the wellbore below the surface at an elevation of 1286'. This well is currently at an elevation of 1315'.

AEM makes this request in order to proceed with constructing a Marcellus drill site from which to drill the Wiley N GRN WZ 1H, 2H, 3H, 4H, 5H, 6H, 7H, and 8H. The McCoy Heirs 16 is approximately 25' to the North of our proposed 5H and 7H wells. Permits to drill these 6A wells were submitted to the West Virginia Department of Environmental Protection, Office of Oil and gas March 13<sup>th</sup>, 2015.

I have included our proposed construction plans, a location exhibit, and a plug and abandon well survey for your review.

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

Best Regards,

Trent Carroll  
Sr. Regulatory Analyst  
[trent.carroll@aep-lp.com](mailto:trent.carroll@aep-lp.com)  
Cell 405-693-4931  
Office 405-607-5476

Received

MAR 19 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

Cc: Derek Haught, Inspector  
Coastal Lumber Company, Certified Mail





AMERICAN ENERGY  
MARCELLUS

March 13, 2015

West Virginia Department of Environmental Protection  
Mr. Jeff McLaughlin  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Re: Application to Plug and Abandon a Well  
McCoy Heirs 16

Dear Mr. McLaughlin

American Energy – Marcellus, LLC respectfully submits an application to Plug and Abandon the McCoy Heirs 16 in Wetzel County, West Virginia. Enclosed for your review are:

- Forms WW-9, WW-4(A), WW-4(B), WW-6
- A topographic map and well record
- A copy of the certified mail receipt
- Monument variance request

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

Best Regards,

Trent Carroll  
Sr. Regulatory Analyst  
[trent.carroll@aep-lp.com](mailto:trent.carroll@aep-lp.com)  
Cell 405-693-4931  
Office 405-607-5476

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Cc: Derek Haught, Inspector  
Coastal Lumber Company, Certified Mail