



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

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Thursday, January 26, 2017
WELL WORK PERMIT
Vertical / Plugging

CABOT OIL & GAS CORPORATION (A)
2000 PARK LANE, SUITE 300

PITTSBURGH, PA 15275

Re: Permit approval for 61
47-047-00108-00-00

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: 61
Farm Name: POCAHONTAS LAND
U.S. WELL NUMBER: 47-047-00108-00-00
Vertical / Plugging
Date Issued: 1/26/2017

Promoting a healthy environment.

01/27/2017

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

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 December 20, 2016
2) Operator's
Well No. Pocahontas Land 61
3) API Well No. 47-047 - 00108

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 X / Liquid injection / Waste disposal /
(If "Gas, Production X or Underground storage) Deep / Shallow X

5) Location: Elevation 1480.93 Watershed Big Creek of Jacobs Fork or Dry Fork of Tug Fork of Big Sandy
District Big Creek County McDowell Quadrangle War

6) Well Operator Cabot Oil & Gas Corporation 7) Designated Agent Phillip Hill - Cabot Oil & Gas Corporation
Address 2000 Park Lane, Suite 300 Address 900 Lee Street East, Suite 1500
Pittsburgh, PA 15276 Charleston, WV 25301

8) Oil and Gas Inspector to be notified Name Brian Ferguson
Address 708 Manor Drive
Beckley, WV 25801
9) Plugging Contractor Name Contractor Services, Inc.
Address 929 Charleston, Road
Spencer, WV 25276

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attached Sheet

OK

[Handwritten signature]

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

Work order approved by inspector _____

Date _____

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Office of Oil and Gas
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WV Department of
Environmental Protection
01/27/2017

**Pocahontas Land #61
API # 47 - 047 - 00108
PLUGGING PROCEDURE**

Current Configuration

TD @ 4211'
13-3/8" – 48# casing @ 153' on shoe
10-3/4" – 32.75# casing @ 402' on shoe
8-5/8" – 24# casing @ 1244' on shoe
7" – 23# casing @ 3022' on lead packer
Coal @ 335' – 339'
Big Lime @ 2930' – 3540', no show
Berea @ 4190' – 4211' & shot from 4195' – 4209'
Gas show @ 4196' – 4211'

PROCEDURE

1. Contact Pineville Office a minimum of 48 hours prior to starting work.
2. Contact State Inspector a minimum of 24 hours prior to starting work.
3. MIRU service rig and blow down well.
4. Lay 2" line from wellhead to tank and stake down securely.
5. MIRU service rig and blow down well. Have vacuum truck available to catch any fluids circulated from well.
6. Unpack wellhead.
7. TIH with 2-3/8" work string to 4200'.
8. MIRU Cementing Company.
9. Pump 35 bbls 6% gel followed by 60 sks (13 bbls) of Class A cement for plug 1 from 4200' to 3900'.
10. Displace w/ 15 bbls of 6% Gel.
11. Pull five joints. WOC for a minimum of eight hours.
12. RIH w/ work string – tag TOC to confirm.
13. TOOH with work string.
14. Attempt to pull 7" casing.
15. If unable to pull 7", run freepoint, cut above freepoint, and POOH.
16. TIH with 2-3/8" work string to 3100'.
17. Pump 85 bbls 6% gel followed by 57 sks (12 bbls) of Class A cement for cement plug 2 from 3100' to 2900'. Cement must cover the 7" casing cut.
18. Displace w/ 11 bbls of 6% Gel.
19. Pull five joints. WOC for a minimum of eight hours.
20. RIH w/ work string – tag TOC to confirm.
21. TOOH with work string.
22. Attempt to pull 8 5/8" casing.
23. If unable to pull 8 5/8", run freepoint, cut above freepoint, and POOH.
24. TIH with 2-3/8" work string to 1550'.
25. Pump 60 bbls 6% gel followed by 128 sks (27 bbls) of Class A cement for cement plug 3 from 1550' to 1150'. Cement must cover the 8 5/8" casing cut.
26. Displace w/ 4 ½ bbls of 6% Gel.
27. Pull five joints. WOC for a minimum of eight hours.
28. RIH w/ work string – tag TOC to confirm.
29. TOOH with work string.
30. Attempt to pull 10 3/4" casing.
31. If unable to pull 10 3/4", run freepoint, cut above freepoint, and POOH.
32. TIH with 2-3/8" work string to 500'.

47001080

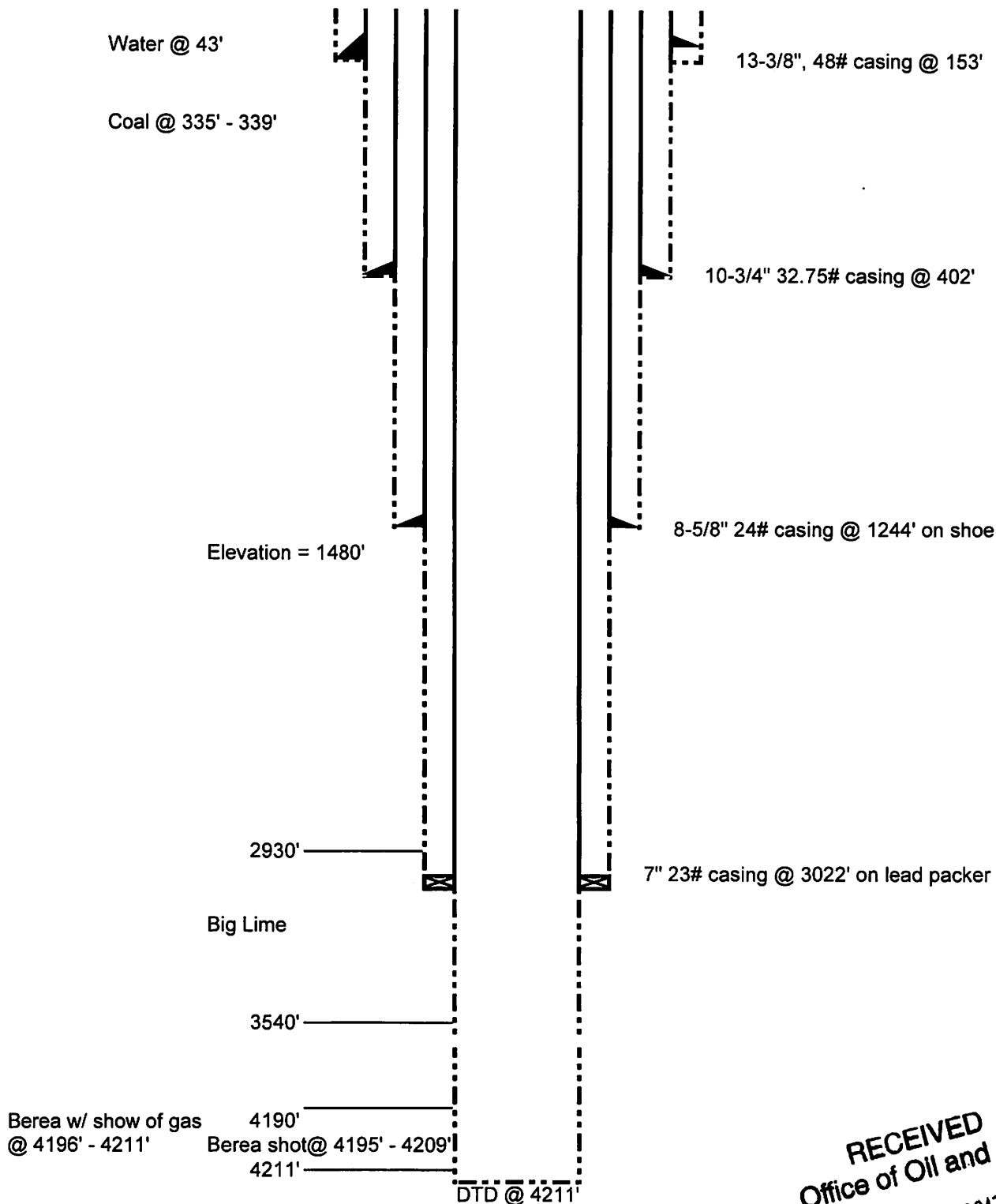
33. Pump 14 bbls 6% gel followed by 140 sks (29 bbls) of Class A cement for cement plug 4 from 500' to 250'. Cement must cover the 10 3/4" casing cut.
34. Displace w/ 1 bbl of 6% Gel.
35. Pull five joints. WOC for a minimum of eight hours.
36. RIH w/ work string – tag TOC to confirm.
37. TOOH with work string.
38. Attempt to pull 13 3/8" casing.
39. If unable to pull 13 3/8", run freepoint, cut above freepoint, and POOH.
40. TIH with 2-3/8" work string to 150'.
41. Pump 155 sks (33 bbls) of Class A cement for cement plug 5 from 150' to surface.
42. TOOH with work string and lay down.
43. RDMO Cementing Company.
44. Place monument as required by law on top of well bore.
45. Reclaim well site.

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POCAHONTAS LAND #61

API 47-047-00108

CURRENT CONFIGURATION



Schematic is not to scale

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g.a. shirey 12/12/16
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Environmental Protection
01/27/2017

GODFREY L. CABOT, INC.

WELL RECORD

SERIAL NO. 1371

OPERATING DISTRICT Southern

MAP SQUARE Lot No. -8/35

FARM Poorhontas Land Corporation

NO. 61

LEASE NO.

COUNTY McDowell

TAX DISTRICT

Big Creek

STATE W. Va.

DRILLING COMMENCED December 3, 1951

DRILLING COMPLETED

April 21, 1952

CONTRACTOR Company tools

ADDRESS

ROCK PRESSURE RECORD

PRODUCING SAND RECORD

Baroa	Sand	955 lbs. in	16 hrs
	Sand	lbs. in	hrs
	Sand	lbs. in	hrs

Baroa	Sand, from	h195" to h202"	Init. Prod.	403	M.C.
	Sand, from	to	Init. Prod.		M.C.
	Sand, from	to	Init. Prod.		M.C.

TYPENTDOW

Time, Condition:

Water

Mercury in

Volume 671

M.C.F. cleaning

24 HOUR PRODUCTION TEST AFTER FURING

M.C.F.

Line Pressure

lbs. oil

in 24 Hours

TUBED AND SHUT IN

Date

Packer, Size

Kind

Set, Depth

Size Anchor

Perf. Top

Bottom

Perf. Top

Bottom

ELEVATION:

1100

Shot

Shot with 60 qt. lead

from

h195"

to

h209"

Date

1/22/52

Min.

Max.

Gauge Before

Shot h03 M.C.F.

Gauge

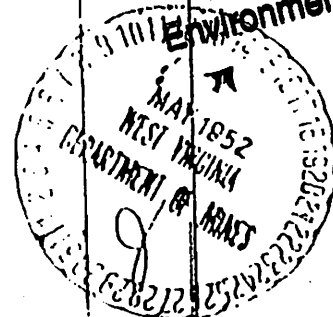
After

Shot 671

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASURE FEET	HARD ON FOOT	OIL, GAS OR WATER	DEPTH LOGGED	REMARKS
Surface		0	11					
Sand		11	20					
Clay		20	120			water	113'	
Sand		120	132					
Clay		132	145					
Sand		145	162					
Clay		162	171					
Sand		171	185					
Slate		185	190					
Clay		190	200					
Sand		200	205					
Clay		205	227					
Slate		227	235					
Coal		235	239					
Clay		239	295					
Slate		295	315					
Sand		315	342					
Slate & Shells		342	362					
Clay		362	375					
Sand		375	385					
Slate		385	395					
Clay		395	500					
Slate		500	510					
Clay		510	522					
Sand		522	532					
Clay		532	545					
Slate		545	560					
Clay		560	570					
Sand		570	582					
Clay		582	595					
Slate		595	605					
Clay		605	615					
Red Rock		615	625					
Slate		625	635					
Red Rock		635	645					
Red Clay		645	655					
Slate & Shells		655	676					
Clay		676	1001					
Slate & Shells		1001	1237					

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1371

Rockhill

61

OPERATING DIST Southern

APPROVING AGENCY
 COUNTY NO. 15
 MAP SQUARE - 8
 LOT NO.
 WARRANT NO.

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASURE FEET	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	REMARKS
Sand		1137	1150					
Lime		1150	1167					
Sand		1167	1180					
Lime, Grey		1180	1513					
Lime, Red		1513	1590					
Lime, Grey		1590	1700					
Slate & Shells		1700	1725					
Lime, Grey		1725	1754					
Lime, Red		1754	1800					
Lime, Grey		1800	1953					
Slate & Shells		1953	2112					
Lime		2112	2180					
Sand		2180	2280					
Lime		2280	2463					
Maxton Sand		2463	2532					
Slate & Shells		2532	2614					
Lime		2614	2930					
Big Lime		2930	3540					
Dajin Sand		3540	3567					
Shale		3567	3577					
Waik		3577	3828					
Slate & Shells		3828	3905					
Lime		3905	3928					
Slate & Shells		3928	4106					
Lime		4106	4114					
Brown Shale		4114	4155					
Black Lime		4155	4211					
Berea		4211						
Total Depth			4211	4211		Gas	4196 4198 4199 4202 4203 4211	133 M 267 M decreased to 215 M 115 M 124 M 103 M

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 JAN 05 2017

DATE
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APPROVED

4700108F

WW-4A
Revised 6-07

1) Date: December 20, 2016
2) Operator's Well Number
Pocahontas Land 61
3) API Well No.: 47 - 047 - 00108

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Pocahontas Land Corporation</u>	Name <u>See Attached Sheet</u>
Address <u>P.O. Box 1517</u>	Address _____
<u>Bluefield, WV 24701</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Pocahontas Land Corporation</u>
_____	Address <u>P.O. Box 1517</u>
_____	<u>Bluefield, WV 24701</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Brian Ferguson</u>	(c) Coal Lessee with Declaration
Address <u>708 Manor Drive</u>	Name <u>U.S. Steel Mining Company, LLC</u>
<u>Beckley, WV 25801</u>	Address <u>610 Preserve Parkway, Suite 200</u>
Telephone <u>(304) 550-6265</u>	<u>Hoover, AL 35226</u>

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.

COMMONWEALTH OF PENNSYLVANIA Notarial Seal Constance C. Carden, Notary Public McDonald Boro, Washington County My Commission Expires Nov. 16, 2017 <small>MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES</small>	Well Operator <u>Cabot Oil & Gas Corporation</u>
	By: <u>Kenneth L. Marcum</u> <i>[Signature]</i>
	Its: <u>Regulatory Supervisor</u>
	Address <u>2000 Park Lane, Suite 300</u>
	<u>Pittsburgh, PA 15275</u>
Telephone <u>(412) 249-3850</u>	

Subscribed and sworn before me this 20th day of December, 2016
Constance C. Carden Notary Public
My Commission Expires November 16, 2017

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.

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JAN 05 2017
West Virginia Department of Environmental Protection
01/27/2017

4700108P

COAL OPERATOR(S)
POCAHONTAS LAND 61
47-047-00108

Brooks Run Mining Company, LLC ✓
2691 Little Birch Road
Sutton, WV 26601

C & A Coal Co.
P.O. Box 1030
Bluefield, WV 24605

Glow Worm Coal Company
P.O. Box 822
North Tazewell, VA 24630

Ambush Mining, Inc.
HC 32 Box 588
Caretta, WV 24892

Harman Branch Mining, Inc.
HC 32 Box 588
Caretta, WV 24892

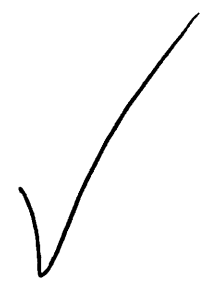
Raw Coal Mining Company, Inc.
P.O. Box 1030
Bluefield, VA 24605

XMV, Inc.
640 Clover Dew Dairy Road
Princeton, WV 24740

Little Seam Mining Company, Inc.
P.O. Box 31
Thorpe, WV 24888

Bay Star Coal Company, Inc.
P.O. Box 1804
Bluefield, WV 24605

Extra Energy, Inc.
640 Clover Dew Dairy Road
Princeton, WV 24740



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WV Department of
Environmental Protection
01/27/2017

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JAN 05 2017

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\$3.30

Certified Mail Fee	\$	\$3.30
Extra Services & Fees (check box, add fee as appropriate)	\$	\$1.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	\$1.780
Postage	\$	\$6.430
Total Postage and Fees	\$	

Electronic Return Receipt Requested

Postmark
DEC 14 2016

Code: Poca 61 Panda

Sent To
Brooks Run Mining Company LLC
2694 Little Birch Road
Sutton, WV 26601

Street, Apt. No.,
or PO Box No.
City, State, Zip+4
12/21/2016 8:34:40 AM

PS Form 3800, April 2015 See Reverse for Instructions

01/27/2017

4700108F

WW-4A
Revised 6-07

1) Date: December 20, 2016
2) Operator's Well Number
Pocahontas Land 61
3) API Well No.: 47 - 047 - 00108

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

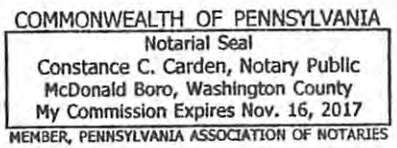
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(a) Name <u>Pocahontas Land Corporation</u>	Name <u>See Attached Sheet</u>
Address <u>P.O. Box 1517</u>	Address _____
<u>Bluefield, WV 24701</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Pocahontas Land Corporation</u>
_____	Address <u>P.O. Box 1517</u>
(c) Name _____	<u>Bluefield, WV 24701</u>
Address _____	Name _____
_____	Address _____
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Well Operator Cabot Oil & Gas Corporation
 By: Kenneth L. Marcum
 Its: Regulatory Supervisor
 Address 2000 Park Lane, Suite 300
Pittsburgh, PA 15275
 Telephone (412) 249-3850

Subscribed and sworn before me this 20th day of December, 2016
Constance C. Carden Notary Public
 My Commission Expires November 16, 2017

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Department of Environmental Protection
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COAL OPERATOR(S)
POCAHONTAS LAND 61
47-047-00108

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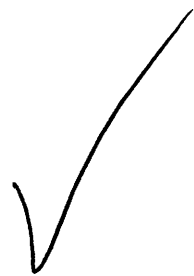
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P.O. Box 1804
Bluefield, WV 24605

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640 Clover Dew Dairy Road
Princeton, WV 24740



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\$3.30

Certified Mail Fee	\$	\$3.30
Extra Services & Fees (check box, add fee as appropriate)	\$	\$1.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	\$1.780
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	\$6.430
Total Postage and Fees	\$	

Electronic Return Receipt Requested

Postmark
Here 2016

Code: Poca 61 Panda

Sent To
Brooks Run Mining Company LLC
2694 Little Birch Road
Sutton, WV 26601

Street, Apt. No.,
or PO Box No.
City, State, Zip+4
12/21/2016 8:34:40 AM

PS Form 3800, April 2015 See Reverse for Instructions

01/27/2017

U.S. Postal Service
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\$3.30

Certified Mail Fee
 \$ **\$3.30**

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ **\$0.00**

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ **\$1.780**

Postage
 \$ **\$6.430**

Total Postage and Fees
 \$ **\$6.430**

Extra Energy Inc.
 640 Clover Dew Dairy Road
 Princeton, WV 24740

Sent To
 Street, Apt. No., or PO Box No. 12/21/2016 8:34:40 AM
 City, State, Zip+4

PS Form 3800, April 2015 See Reverse for Instructions

Code: Poca 61 Panda

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9214 8969 0099 9790 1302 2155 02

\$3.30

Certified Mail Fee
 \$ **\$3.30**

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ **\$1.35**

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ **\$0.00**

Adult Signature Restricted Delivery \$ _____

Postage
 \$ **\$1.780**

Total Postage and Fees
 \$ **\$6.430**

Brian Ferguson
 708 Manor Drive
 Beckley, WV 25801

Sent To
 Street, Apt. No., or PO Box No. 12/21/2016 8:34:49 AM
 City, State, Zip+4

PS Form 3800, April 2015 See Reverse for Instructions

Code: Poca 61 Panda

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9214 8969 0099 9790 1302 2154 72

\$3.30

Certified Mail Fee
 \$ **\$3.30**

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ **\$1.35**

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ **\$0.00**

Adult Signature Restricted Delivery \$ _____

Postage
 \$ **\$1.780**

Total Postage and Fees
 \$ **\$6.430**

Little Seam Mining Company Inc.
 P.O. Box 31
 Thorpe, WV 24888

Sent To
 Street, Apt. No., or PO Box No. 12/21/2016 8:34:40 AM
 City, State, Zip+4

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9214 8969 0099 9790 1302 2154 89

\$3.30

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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ **\$1.35**

Return Receipt (electronic) \$ **\$0.00**

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ **\$1.780**

Total Postage and Fees
 \$ **\$6.430**

Bay Star Coal Company Inc.
 P.O. Box 1804
 Bluefield, WV 24605

Sent To
 Street, Apt. No., or PO Box No. 12/21/2016 8:34:40 AM
 City, State, Zip+4

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9214 8969 0099 9790 1302 2154 58

\$3.30

Certified Mail Fee
 \$ **\$3.30**

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ **\$1.35**

Return Receipt (electronic) \$ **\$0.00**

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ **\$1.780**

Total Postage and Fees
 \$ **\$6.430**

Raw Coal Mining Company Inc.
 P.O. Box 1030
 Bluefield, VA 24605

Sent To
 Street, Apt. No., or PO Box No. 12/21/2016 8:34:40 AM
 City, State, Zip+4

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For delivery information, visit our website at www.usps.com

9214 8969 0099 9790 1302 2151 65

\$3.30

Certified Mail Fee
 \$ **\$3.30**

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ **\$0.00**

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ **\$1.780**

Adult Signature Restricted Delivery \$ _____

Postage
 \$ **\$6.430**

Total Postage and Fees
 \$ **\$6.430**

XMV Inc.
 640 Clover Dew Dairy Road
 Princeton, WV 24740

Sent To
 Street, Apt. No., or PO Box No. 12/21/2016 8:34:40 AM
 City, State, Zip+4

PS Form 3800, April 2015 See Reverse for Instructions

Code: Poca 61 Panda

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 Office of Oil and Gas
 WV Department of Environmental Protection
 01/27/2017

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9214 8969 0099 9790 1302 2154 34

Certified Mail Fee	\$	\$3.30
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$	\$1.35
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	\$
<input type="checkbox"/> Adult Signature Required	\$	\$1.780
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	\$
Postage	\$	\$6.430
Total Postage and Fees	\$	\$

Electronic Return Receipt Requested

Postmark Here
 DEC 21 2016

Sent To
 Ambush Mining Inc
 HC 32 Box 588
 Caretta, WV 24892

Street, Apt. No., or PO Box No.
 City, State, Zip+4
 12/21/2016 8:34:40 AM

PS Form 3800, April 2015 See Reverse for Instructions

Code: Poca 61 Panda

U.S. Postal Service
CERTIFIED MAIL® RECEIPT 4700108P
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For delivery information, visit our website at www.usps.com®

9214 8969 0099 9790 1302 2154 41

Certified Mail Fee	\$	\$3.30
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	\$
<input type="checkbox"/> Return Receipt (electronic)	\$	\$1.35
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	\$
<input type="checkbox"/> Adult Signature Required	\$	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	\$
Postage	\$	\$1.780
Total Postage and Fees	\$	\$6.430

Electronic Return Receipt Requested

Postmark Here
 DEC 21 2016

Sent To
 Harman Branch Mining Inc.
 HC 32 Box 588
 Caretta, WV 24892

Street, Apt. No., or PO Box No.
 City, State, Zip+4
 12/21/2016 8:34:40 AM

PS Form 3800, April 2015 See Reverse for Instructions

Code: Poca 61 Panda

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9214 8969 0099 9790 1302 2154 10

Certified Mail Fee	\$	\$3.30
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	\$
<input type="checkbox"/> Return Receipt (electronic)	\$	\$1.35
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	\$
<input type="checkbox"/> Adult Signature Required	\$	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	\$
Postage	\$	\$1.780
Total Postage and Fees	\$	\$6.430

Electronic Return Receipt Requested

Postmark Here
 DEC 21 2016

Sent To
 C and A Coal Co.
 P.O. Box 1030
 Bluefield, WV 24605

Street, Apt. No., or PO Box No.
 City, State, Zip+4
 12/21/2016 8:34:40 AM

PS Form 3800, April 2015 See Reverse for Instructions

Code: Poca 61 Panda

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9214 8969 0099 9790 1302 2154 27

Certified Mail Fee	\$	\$3.30
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	\$1.35
<input type="checkbox"/> Return Receipt (electronic)	\$	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	\$
<input type="checkbox"/> Adult Signature Required	\$	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	\$
Postage	\$	\$1.780
Total Postage and Fees	\$	\$6.430

Electronic Return Receipt Requested

Postmark Here
 DEC 21 2016

Sent To
 Glow Worm Coal Company
 P.O. Box 822
 North Tazewell, VA 24630

Street, Apt. No., or PO Box No.
 City, State, Zip+4
 12/21/2016 8:34:40 AM

PS Form 3800, April 2015 See Reverse for Instructions

Code: Poca 61 Panda

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9214 8969 0099 9790 1302 2153 80

Certified Mail Fee	\$	\$3.30
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	\$
<input type="checkbox"/> Return Receipt (electronic)	\$	\$1.35
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	\$
<input type="checkbox"/> Adult Signature Required	\$	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	\$
Postage	\$	\$1.780
Total Postage and Fees	\$	\$6.430

Electronic Return Receipt Requested

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 DEC 21 2016

Sent To
 Pocahontas Land Corporation
 P.O. Box 1517
 Bluefield, WV 24701

Street, Apt. No., or PO Box No.
 City, State, Zip+4
 12/21/2016 8:34:40 AM

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9214 8969 0099 9790 1302 2153 97

Certified Mail Fee	\$	\$3.30
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	\$1.35
<input type="checkbox"/> Return Receipt (electronic)	\$	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	\$
<input type="checkbox"/> Adult Signature Required	\$	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	\$
Postage	\$	\$1.780
Total Postage and Fees	\$	\$6.430

Electronic Return Receipt Requested

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 Office of Oil and Gas
 JAN 05 2017

Sent To
 U.S. Steel Mining Company LLC
 610 Preserve Parkway
 Suite 200
 Hoover, AL 35226

Street, Apt. No., or PO Box No.
 City, State, Zip+4
 12/21/2016 8:34:40 AM

PS Form 3800, April 2015 See Reverse for Instructions

Code: Poca 61 Panda

4700108A

WW-9
(2/15)

API Number 47 - 047 - 00108

Operator's Well No. Pocahontas Land #61

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Cabot Oil & Gas Corporation OP Code 08145

Watershed (HUC 10) Big Creek of Jacobs Fork or Dry Fork of Tug Fork of Big Sandy Quadrangle War

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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No treated pit wastes will be produced)

ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OFFSITE. gwm

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. no drilling proposed

-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. No cuttings produced during plugging operation

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

-Landfill or offsite name/permit number? _____

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 Kenneth L. Marcum

Company Official (Typed Name) Kenneth L. Marcum

Company Official Title Regulatory Supervisor

Subscribed and sworn before me this 30th day of December, 2016

Constance C. Carden Notary

My commission expires 11/16/2017

RECEIVED
Office of Oil and Gas

JAN 05 2017
COMMONWEALTH OF PENNSYLVANIA
Notary Seal
Constance C. Carden, Notary Public
McDonald, Washburn & Company
My Commission Expires Nov 26, 2017
PENNSYLVANIA ASSOCIATION OF NOTARIES

Cabot Oil & Gas Corporation

Proposed Revegetation Treatment: Acres Disturbed 0.57 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20/20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch Pulp Fiber at 1000 to 1500 lbs. Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
(Grain Rye - 100) (Red Clover - 5) (Fescue - 40)	
(Annual Rye - 20) (White Clover - 5)	
(Perennial Rye - 10) (Alta Sweet Clover - 5)	
(Yellow Clover - 5) (Birdsfoot Trefoil - 10)	

Seed Type	lbs/acre
(Grain Rye - 100) (Red Clover - 5) (Fescue - 40)	
(Annual Rye - 20) (White Clover - 5)	
(Perennial Rye - 10) (Alta Sweet Clover - 5)	
(Yellow Clover - 5) (Birdsfoot Trefoil - 10)	

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: OK

Comments: JM

Title: _____ Date: _____

Field Reviewed? () Yes () No

Cabot Oil & Gas Corporation Pocahontas Land 61

TOPO SECTION OF:
United States Department of the Interior
Geological Survey - War, WV/VA - 7½' Quadrangle

PROPOSED CULVERT INVENTORY (For Bid Purposes Only)

15" (Minimum) Culverts	none proposed
------------------------	---------------

Additional Culverts and/or other drainage structures and sediment control devices may be required by the WVDEP Oil & Gas Inspector. Operator is responsible for coordination with contractor and True Line regarding any changes or additions the State may require.

PROJECTED EARTHEN DISTURBANCE

Well Location Site	0.04 Acres
Access Road	0.53 Acres
Approximate Total Disturbance	0.57 Acres

All roads shown hereon are existing unless otherwise noted and shall be maintained in accordance with the WVDEP best management practices contained in the Erosion and Sediment Control Field Manual.

Entrances at County/State roads shall be maintained in accordance with WVDOT regulations. Separate permits may be required by the WVDOT.

Sediment basins (sumps) and appropriate erosion control barriers are to be constructed at all culvert and cross drain inlets and outlets as required in the WVDEP Oil & Gas Erosion and Sediment Control Field Manual. Field conditions (rock outcrops or bedrock) may prohibit inlet sumps (traps) being installed. When these conditions exist, additional erosion control measures shall be evaluated and employed as needed.

Earthwork contractors are responsible for notification to the operator and Oil & Gas Inspector prior to any deviation from this plan.

All slopes shall be seeded and mulched after site construction is complete. All slopes created during road construction will receive temporary seeding and mulch immediately following completion.

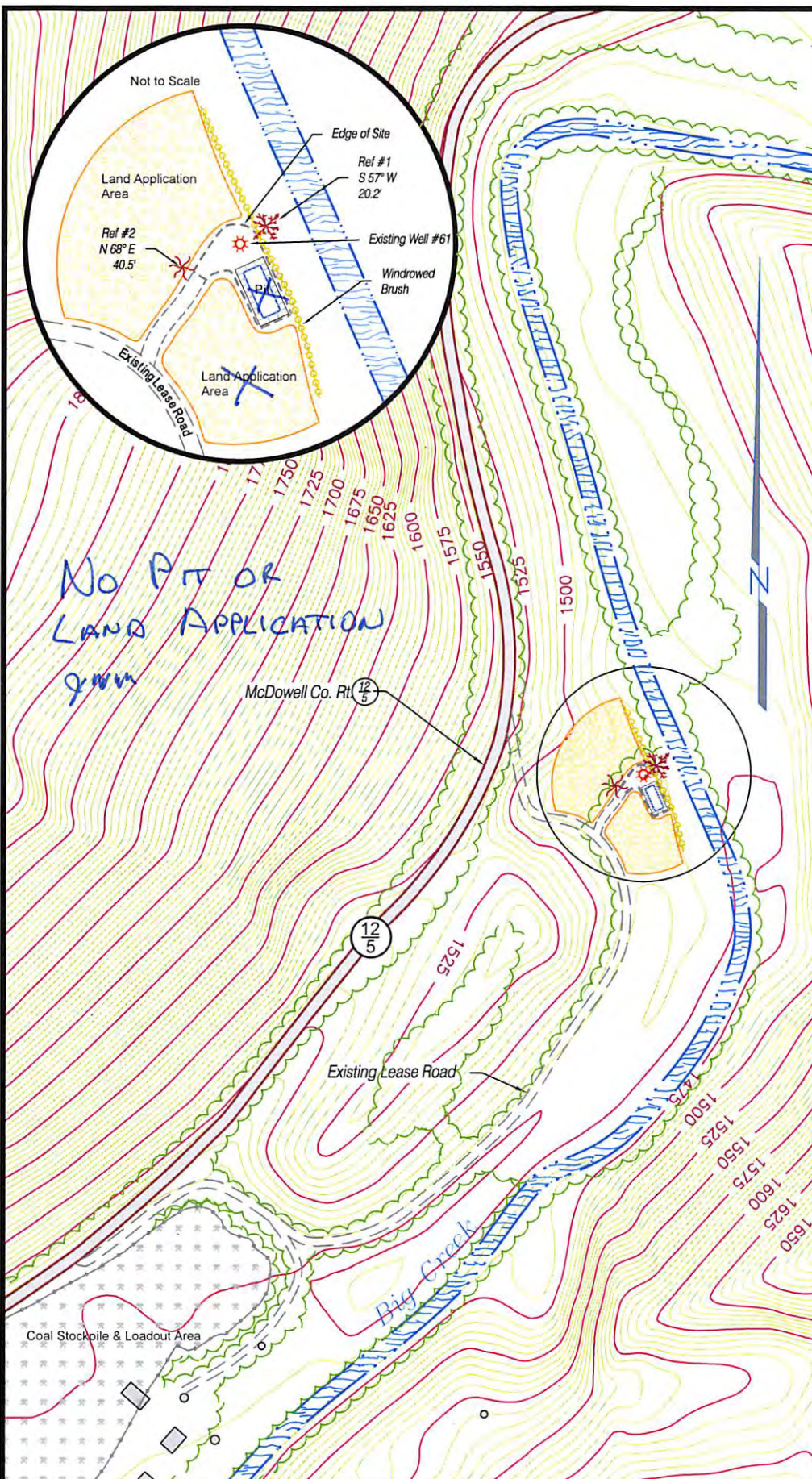
Marketable timber shall be cut and stacked at an accessible location.

Stacked or windrowed brush may be used for sediment control.

Applications for separate Public Lands Corporation permits on the access road stream crossings (if any) have been provided where applicable.

LEGEND

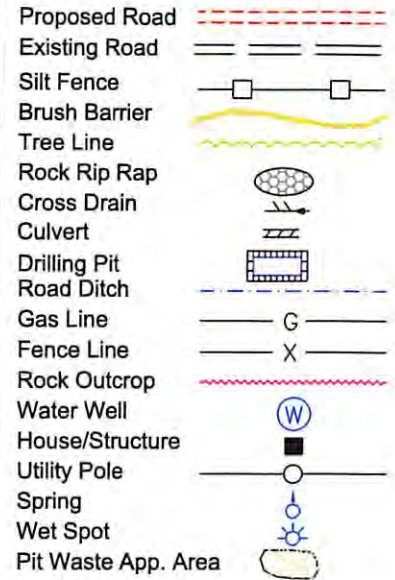
Proposed Road	
Existing Road	
Existing Culvert	
Proposed Culvert (15" Min. unless noted)	
Proposed Stream Crossing	
Cross Drain	
Diversion Ditch	
Silt Fence	
Brush Barrier	
Tree Line	
Road Ditch	
Gas Line	
Fence Line	
Water Well	
House/Structure	
Spring	
Wet Spot	



GENERAL NOTES:

- 1.) THESE DRAWINGS ARE A SCHEMATIC REPRESENTATION OF THE PROPOSED WELL SITE AND ACCESS ROAD. PROPOSED STRUCTURES SUCH AS THE DRILLING PIT, ROADWAY, CULVERTS, SEDIMENT BARRIERS, ETC. ARE SHOWN IN THEIR APPROXIMATE PREPLANNING CONFIGURATION. GIVEN UNFORSEEN CIRCUMSTANCES, THE AS-BUILT LOCATION OF THESE STRUCTURES MAY VARY SLIGHTLY FROM THE LOCATION SHOWN ON THE ATTACHED DRAWINGS.
- 2.) ALL ROADS SHOWN THEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES AND REQUIREMENTS OF THE WV DEP OIL & GAS EROSION AND SEDIMENT CONTROL MANUAL.
- 3.) ALL CULVERTS SHOWN ON THESE DRAWINGS ARE PROPOSED AND WILL BE A MINIMUM OF 15" IN DIAMETER UNLESS OTHERWISE NOTED.
- 4.) DITCHLINES AND CULVERTS WILL BE INSTALLED WHENEVER PRACTICAL; HOWEVER, PORTIONS OF THE EXISTING ROADS WHICH ARE LOCATED IN SOLID ROCK SHALL NOT REQUIRE DITCHES OR CROSS DRAINS, UNLESS OTHERWISE WARRANTED BY FIELD CIRCUMSTANCES.
- 5.) SUPPLEMENTAL DRAINAGE AND/OR SEDIMENT CONTROL STRUCTURES/MEASURES IN ADDITION TO THOSE SHOWN ON THE ATTACHED DRAWINGS WILL BE INSTALLED WHERE AND WHEN DEEMED NECESSARY. SUCH ADDITIONAL MEASURES MAY CONSIST OF SILT FENCES OR OTHER MEASURES AS OUTLINED IN THE EROSION AND SEDIMENT CONTROL MANUAL.
- 6.) SEDIMENT BASINS (TRAPS) WILL BE CONSTRUCTED AT ALL CULVERTS AND CROSS DRAIN INLETS AS REQUIRED IN THE WV-DEP OIL & GAS EROSION AND SEDIMENT CONTROL MANUAL. FIELD CONDITIONS SUCH AS ROCK OUTCROPS AND BEDROCK MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST, ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.
- 7.) SEDIMENT BARRIERS OF EITHER WINDROWED BRUSH, FILTER FENCE ET CETERA WILL BE INSTALLED AND MAINTAINED BELOW THE OUTFALL OF ALL PROPOSED CULVERTS AND AT ALL OTHER STORM WATER DISCHARGE POINTS FROM EITHER THE ROADWAY OR SITE LOCATIONS.
- 8.) ALL NECESSARY TIMBER AND BRUSH WILL BE REMOVED FROM THE PROPOSED ROADWAY AND SITE LOCATIONS BY CLEARING AND GRUBBING ACTIVITIES. ANY MARKETABLE TIMBER WILL BE CUT AND STACKED TO THE SIDE OF THE ROADWAY OR REMOVED TO A STOCKPILE AREA. THE REMAINING TIMBER AND BRUSH WILL BE CUT AND WINDROWED BELOW THE OUTSLOPE OF THE CONSTRUCTION AREAS, TO BE UTILIZED AS A SEDIMENT BARRIER.
- 9.) SEPARATE PERMITS WILL BE OBTAINED FROM THE WV-DOT FOR ALL POINTS OF INGRESS-EGRESS FROM COUNTY/STATE ROADS. THESE INGRESS-EGRESS POINTS WILL BE MAINTAINED IN ACCORDANCE WITH CURRENT WV-DOT REGULATIONS. A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF 8" OF CRUSHED STONE WILL BE CONSTRUCTED FOR A MINIMUM DISTANCE OF 50' FROM THE INGRESS-EGRESS POINTS OF ALL PUBLIC ROADWAYS IN ACCORDANCE WITH CURRENT WV-DOT REGULATIONS.
- 10.) ALL CULVERTS SHOWN ON THESE DRAWINGS ARE TO BE CONSIDERED PERMANENT AND WILL REMAIN IN PLACE AFTER THE COMPLETION OF CONSTRUCTION ACTIVITIES UNLESS NOTED OTHERWISE. A STABILIZED OUTLET CONTROL DEVICE SUCH AS RIPRAP, NATURAL STONE, BRUSH, ETC. WILL BE INSTALLED BELOW THE OUTFALL OF ANY ROADWAY CULVERT(S) WHICH ARE NOT LOCATED IN A STREAM CHANNEL OR CREEK.
- 11.) PERMANENT CROSS DRAINS OR WATERBARS WILL BE INSTALLED AS AN INTEGRAL PART OF THE RECLAMATION PROCESS AND SHALL BE SPACED IN ACCORDANCE WITH THE AS-BUILT ROADWAY GRADES AND TABLE II-4 OF THE SEDIMENT AND EROSION CONTROL FIELD MANUAL.
- 12.) TEMPORARY SEEDING AND MULCHING WILL BE UTILIZED TO PROVIDE A VEGETATIVE COVER ON ALL DISTURBED AREAS I.E. ROADWAYS, STIE LOCATIONS, ROAD OR SITE OUTSLOPES AND ANY OTHER AREAS THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES RESULTING FROM THE PROPOSED WELL.
- 13.) THE LOCATION OF DRILLING PIT(S) MAY BE ADJUSTED TO MINIMIZE ENVIRONMENTAL IMPACTS AND MEET THE REQUIREMENTS OF THE WV-DEP.

DRAWING LEGEND



SPACING OF CULVERTS BY GRADE

ROAD GRADE (%)	DISTANCE
2-5	500-300
6-10	300-200
11-15	200-100
16-20	100

SPACING OF CROSS DRAINS BY GRADE

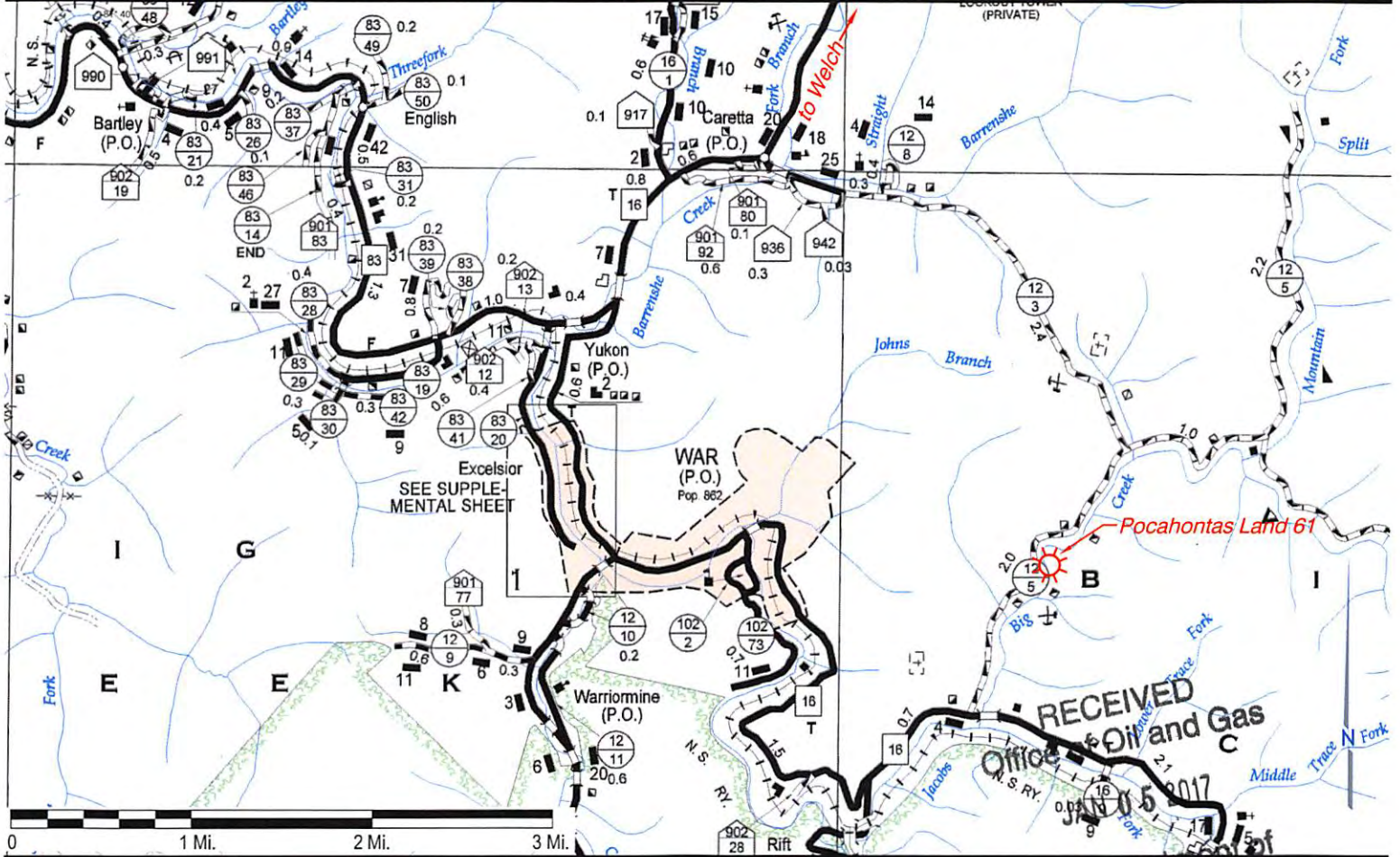
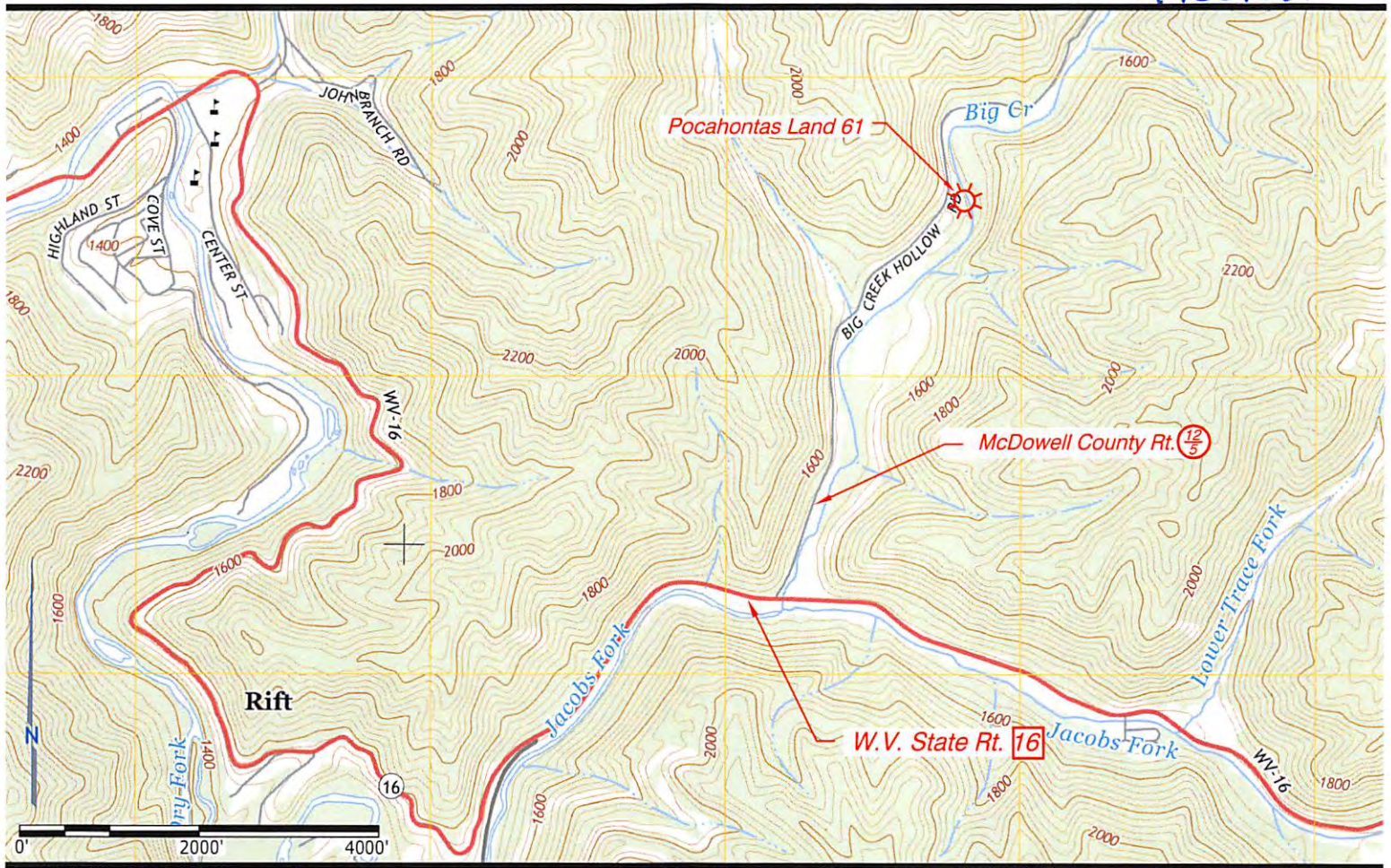
ROAD GRADE (%)	DISTANCE
1	400
2	250
5	135
10	80
15	60
20	45

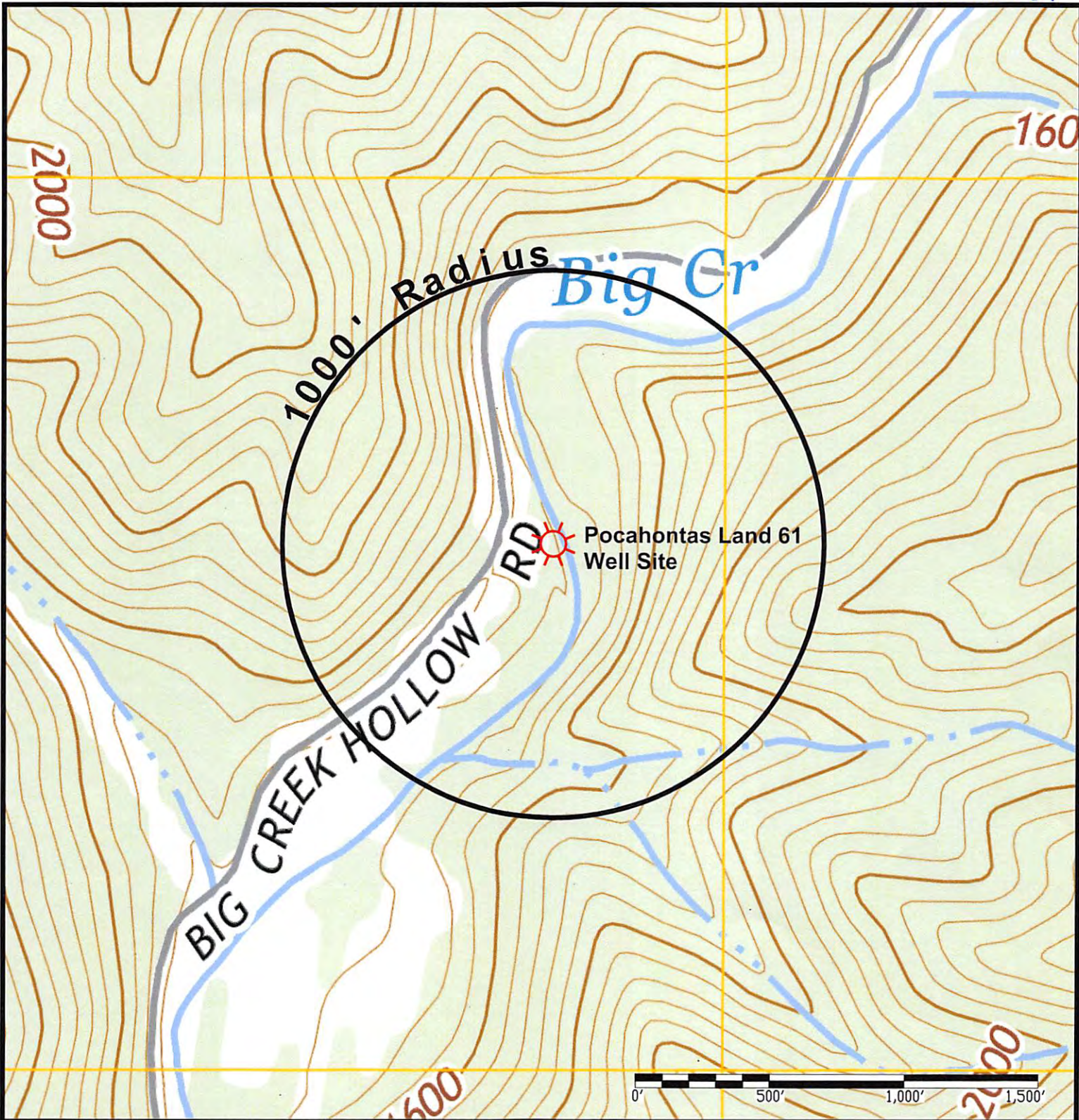
CONTRACTOR NOTE:

IT IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR TO FIELD VERIFY THE SIZE/CONDITION OF ALL UNDERGROUND UTILITIES, SANITARY SEWERS, STORM SEWERS, ETC. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND/OR EXCAVATION ACTIVITIES

WEST VIRGINIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE.

CALL 1-800-245-4848





War, WVVA 7 1/2' USGS Quadrangle

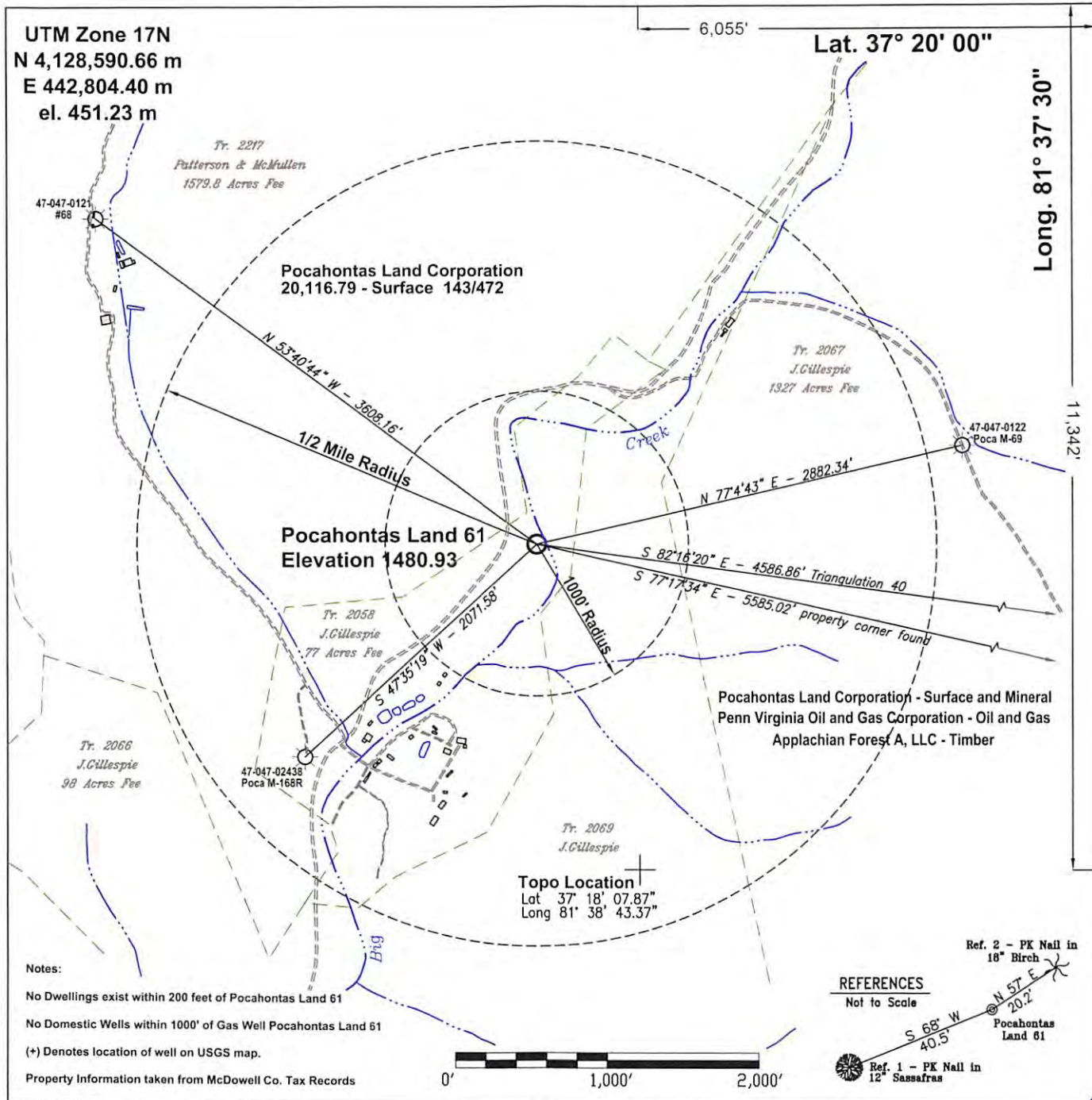
Notes:

No water wells or other sources of groundwater currently being used for human consumption, domestic animals or other general uses were identified within 1000' of the proposed well site.

Legend:

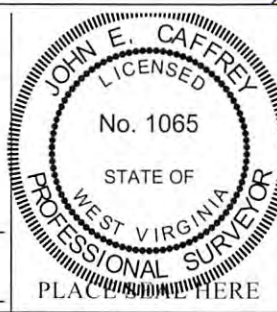
- Water Well (W symbol)
- Spring (S symbol)
- Wet Spot (sun symbol)
- House/Structure (square symbol)

RECEIVED
Office of Oil and Gas
JAN 05 2017



FILE #: \\filestation1\Station4D\work\Cabot Oil & Gas\Cabot2014
 DRAWING #: \\Poca61\pdf\WW-6-PocaLand61.pdf
 SCALE: see barscale above
 MINIMUM DEGREE OF ACCURACY: 1 part in 2500
 PROVEN SOURCE OF ELEVATION: sub meter GPS location

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: *John E. Caffrey*
 R.P.E.: _____ L.L.S.: 1065



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



DATE: September 19, 2014
 OPERATOR'S WELL #: Pocahontas Land 61
 API WELL #: 47 047 00108 P
 STATE COUNTY PERMIT

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

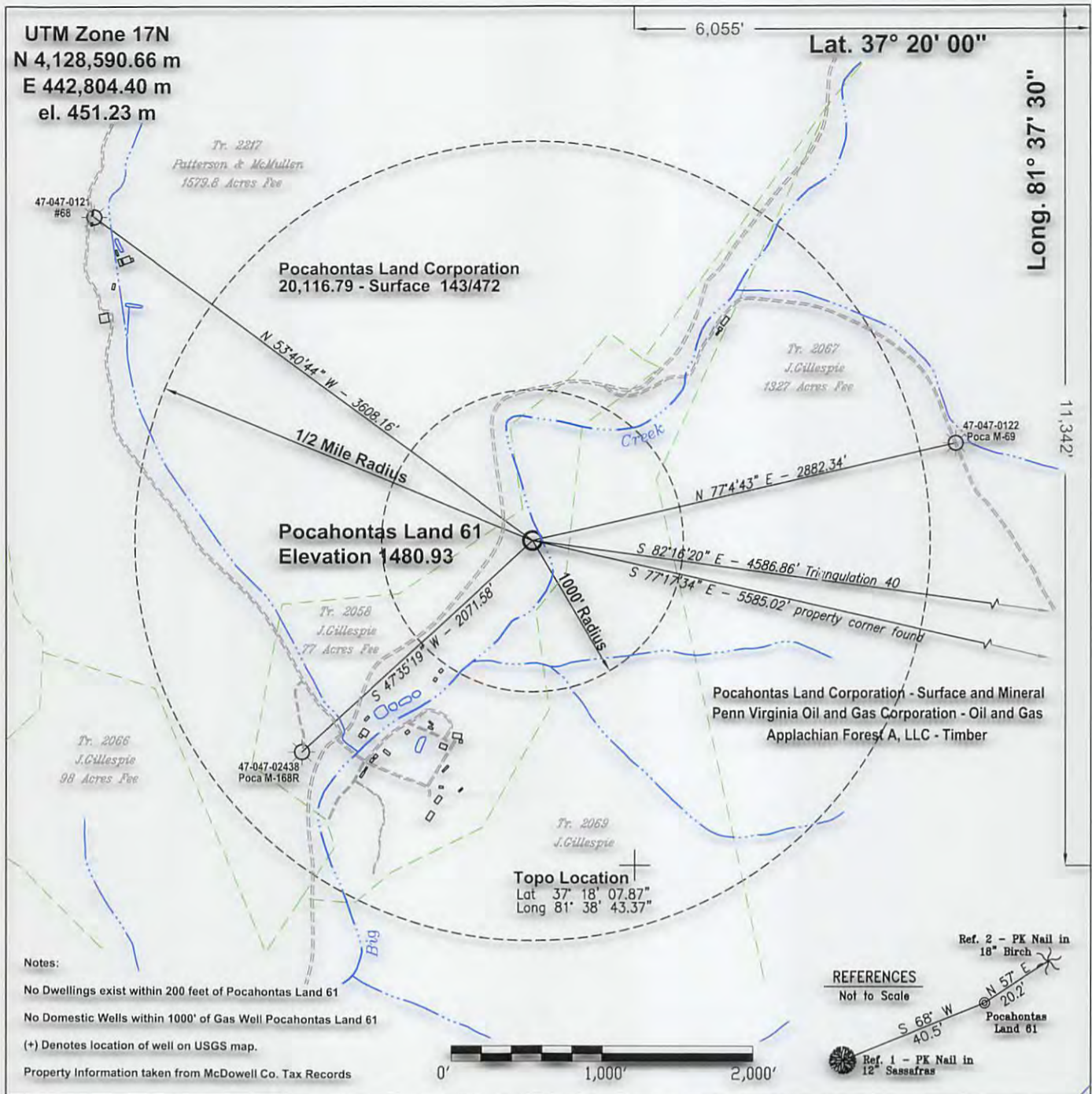
WATERSHED: Big Creek of Jacobs Fork or Dry Fork of Tug Fork of Big Sandy ELEVATION: 1480.93
 COUNTY/DISTRICT: 047-McDowell / 2-Big Creek QUADRANGLE: 657 - WAR

SURFACE OWNER: Pocahontas Land Corporation ACREAGE: 20,116.79
 OIL & GAS ROYALTY OWNER: Penn Virginia Oil and Gas Corporation ACREAGE: 47,520

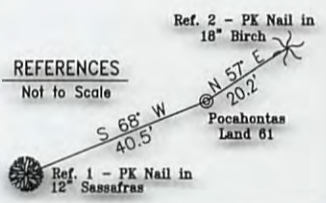
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: Berea Sandstone ESTIMATED DEPTH: 4,209'
 WELL OPERATOR Cabot Oil & Gas Corporation DESIGNATED AGENT Whitney Johnson
 Address Five Penn Center West, Suite 401 Address P.O. Box 450
 City Pittsburgh State PA Zip Code 15276 City Glasgow State WV Zip Code 25086

RECEIVED
 Office of Oil and Gas
 JAN 05 2017
 WV Department of Environmental Protection

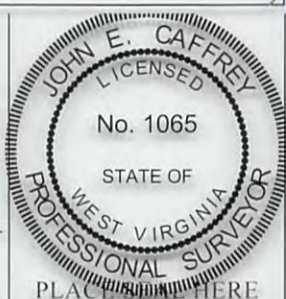


Notes:
 No Dwellings exist within 200 feet of Pocahontas Land 61
 No Domestic Wells within 1000' of Gas Well Pocahontas Land 61
 (+) Denotes location of well on USGS map.
 Property Information taken from McDowell Co. Tax Records



FILE #: filestation1\Station4D work\Cabot Oil & Gas Cabot2014
 DRAWING #: \Poca61\pdf\WW-6-PocaLand61.pdf
 SCALE: see barscale above
 MINIMUM DEGREE OF ACCURACY: 1 part in 2500
 PROVEN SOURCE OF ELEVATION: sub meter GPS location

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]*
 R.P.E.: _____ L.L.S.: 1065



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



DATE: September 19, 2014
 OPERATOR'S WELL #: Pocahontas Land 61
 API WELL #: 47 047 00108
 STATE COUNTY PERMIT

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

WATERSHED: Big Creek of Jacobs Fork or Dry Fork of Tug Fork of Big Sandy ELEVATION: 1480.93

COUNTY/DISTRICT: 047-McDowell / 2-Big Creek QUADRANGLE: 657 - WAR

SURFACE OWNER: Pocahontas Land Corporation ACREAGE: 20,116.79

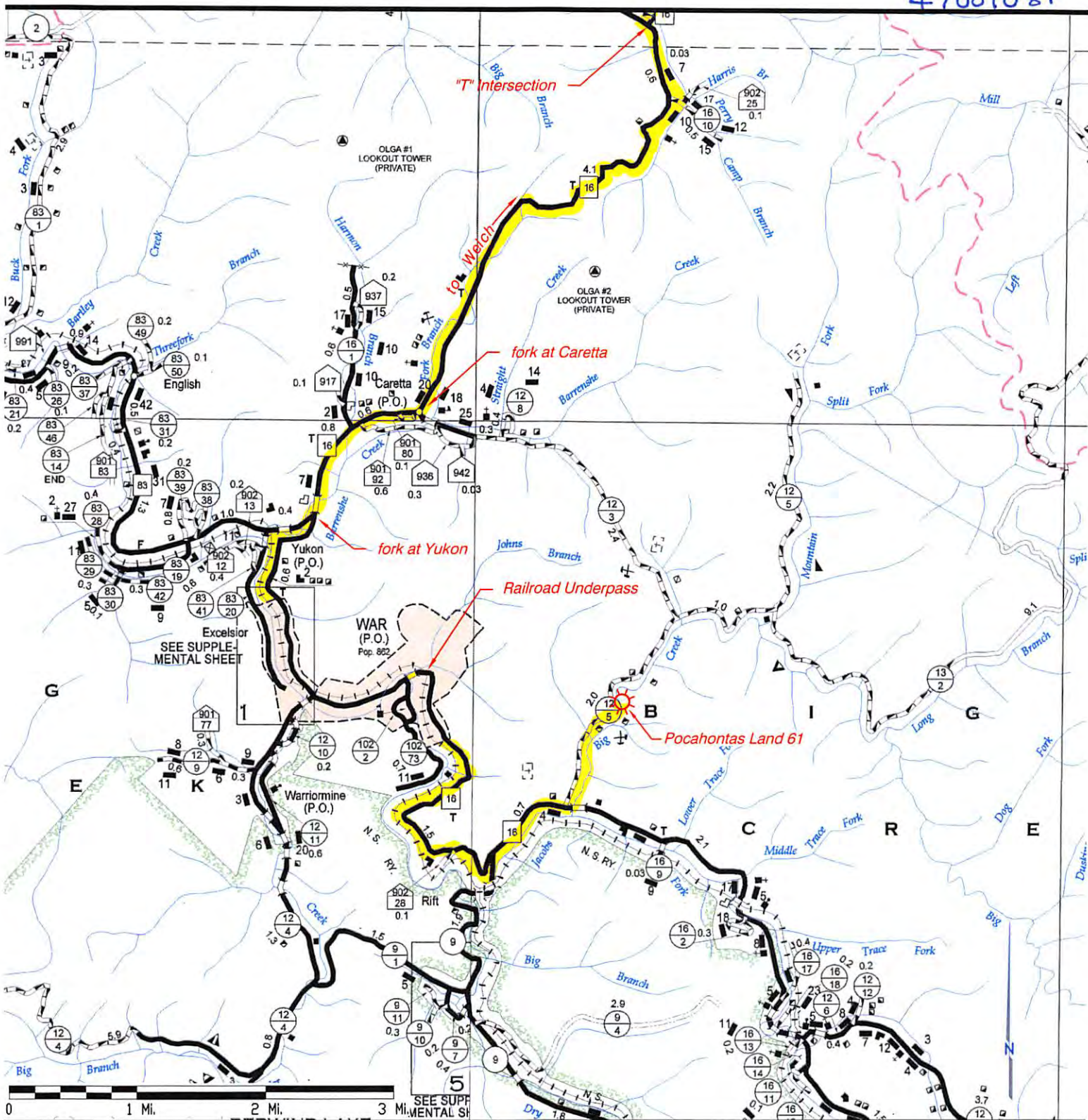
OIL & GAS ROYALTY OWNER: Penn Virginia Oil and Gas Corporation ACREAGE: 47,520

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

TARGET FORMATION: Berea Sandstone ESTIMATED DEPTH: 4,209'

WELL OPERATOR Cabot Oil & Gas Corporation DESIGNATED AGENT Whitney Johnson
 Address Five Penn Center West, Suite 401 Address P.O. Box 450
 City Pittsburgh State PA Zip Code 15276 City Glasgow State WV Zip Code 25086

01/27/2017



Driving Directions:

1. Beginning in Welch at the intersection of US Rt. 52 and WV Route 16 at a traffic light; take Rt 52 North 0.9 miles to WV 16 South at a fork on the left. Make the left onto Rt. 16 South toward War, West Virginia.
2. Follow Rt. 16 South 4.7 miles to a "T" intersection, turn left to stay on Rt. 16 toward the community of Six. Continue on Rt. 16 for an additional 4.7 miles to a fork at the community of Caretta, WV. Bear right at the fork staying on Rt. 16 for 1.3 miles to the fork at Yukon.
3. Take the left fork and stay on Rt. 16 2 3/4 miles to War, WV and a railroad underpass. From the underpass, continue on Rt. 16 3.8 miles.
4. Observe McDowell Co. Rt. 12 1/2, Big Creek Hollow Road, on the left. Turn up Big Creek on the county road for 0.8 miles to a coal stockpile.
5. The existing lease road is on the right near the upper end of the stockpile area. Follow the lease road about 1/4 mile to the Pocahontas Land 61 well site.



Cabot Oil & Gas Corporation

North Region
December 20, 2016

Chief
West Virginia Division of Environmental Protection
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: Pocahontas Land #61
Big Creek District, McDowell County, WV
API # 47-047-00108
Written Application to plug and abandon wellbore

Dear Chief:

In accordance with Article 22-6-23 of the Code of State Regulations regarding oil and gas operations, please find attached a formal application for the plug and abandonment of the subject well.

Notices of our intention to plug this wellbore have been sent to surface owner, coal owner, and coal operators associated with this well. Copies of the certified mail receipts are attached for your records.

If you have any questions or need additional information, I can be reached at 412-249-3850.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Kenneth L. Marcum'.

Kenneth L. Marcum
Regulatory Supervisor

RECEIVED
Office of Oil and Gas

JAN 05 2017

01/27/2017
WV Department of
Environmental Protection