

*Per
475 Sharts Road
Raven, Va 24663*

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24219

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ECONOMY LETTER
RICHMOND, VA
24641
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\$7.38

R2305K138598-06

IMAGE
1st Notice
2nd Notice
Return

*Virginia Division of Gas and Oil
3405 Mountain Empire Road
Big Stone Gap, Va 24219*

24219-463405



Pamela Hess
475 Shortts Road
Raven, Va 24639
276.964.6321

September 22, 2021

Virginia Gas and Oil Inspector

Division of Gas and Oil

3405 Mountain Empire Road

Big Stone Gap, 24219

RE: CBM AA36A

To Whom it may concern,

I received your decision denying my objections to the placement of this gas well and am asking the Board to reverse the decision of the director.

As I was informed, there are only two ways a surface owner may object to gas well permits. In the letter I received, the fresh water issue was addressed but there was no mention of the alternate site approved in 2017. Nor was the release of this site to me for an error made by CNX. This alternate site awarded them a right of way across the edge of my property to the site a short distance from the one proposed this year. With this omission of an alternate site approved and available, I feel I must appeal this decision so the issue can be reevaluated before any decision is finalized. The other objections I made are "not determined by DGO" so I may need to seek other avenues or "parties."

I also ask the Director to issue a stay until a final decision is made. Once work is

started, it will be too late and I'll never have a final chance to save the enjoyment and use of my land. I will be irreparably harmed if work is initiated too soon.

I thank you for the chance to express my concerns and issues. I look forward to our next meeting. Maybe I'll be better prepared. I may send, pictures, drone shots, charts, etc in the days to come.

Also, I have not received the minutes and presentations from our previous meeting, I would like to have them as soon as possible so I can prepare for our next meeting.

Thanks for your help with this matter..

Pamela Hess

**VIRGINIA DIVISION OF GAS AND OIL
NOTICE OF INFORMAL FACT FINDING HEARING**

In regard to Pocahontas Gas LLC

Proposed Permit for New Coalbed/Pipeline

Application 48674 for CBM AA36A W/PL

Located in the Garden District of Buchanan County, Virginia

Docket Number IFFH 1018

In Accordance with §45.1-361.35.H. of the Code of Virginia, the Director of the Division of Gas and Oil has scheduled an Informal Fact Finding Hearing (IFFH) to consider objections received from Pamela Hess, to be affected by the above-named operation(s). The objection by the Surface Owner was received at the office of the Division of Gas and Oil in a timely manner and in accordance with §45.1-361.35. This notice of hearing is being sent to the permit applicant and to all parties with standing to object as prescribed by §45.1-361.30. All parties are entitled to be represented by counsel at the hearing, if desired. Those receiving notice of this proceeding and who did not object to the application are not required to attend.

The objections have been filed by a Surface Owner against the permit applications for Pocahontas Gas LLC for operation CBM AA36A W/PL in accordance with:

§45.1-361.35. Objections to permits

B. The only objections to permits or permit modifications that may be raised by Surface Owners are:

2. There are not measures (in addition to the requirement for a well's water-protection string) necessary to protect fresh water-bearing strata.
4. The location of the coalbed methane well or coalbed methane well pipeline would unreasonably infringe on the surface owner's use of the surface. Note: This is only considered grounds to object, if a reasonable alternative site is available within the unit, and granting the objection will not materially impair any right contained in an agreement, valid at the time of the objection, between the surface owner and the operator or their predecessors or successors in interest.

All testimony in this conference must be relevant to objections allowed for and detailed in the Gas and Oil Act in this section.

Date and Location of Conference:

The hearing is scheduled for **Tuesday, August 17, 2021, beginning at 10:00 AM.** The hearing will be held at DMME Big Stone Gap. Contact the Division of Gas and Oil at (276) 415-9700 with any questions.

Specific directions and other important information can be accessed from the Department of Mines, Minerals, and Energy website: <http://www.dmme.virginia.gov/divisiongasoil.shtml>

Informal Fact Finding Hearings are to be conducted according to provisions of the Administrative Processes Act of the Code of Virginia (§2.2-4019). In reaching a decision, the Director may rely upon any public data, field research, documents, and testimony given at the hearings.

This notice was prepared on Friday, July 23, 2021, and will be sent by certified mail, return receipt requested, to every person with standing to object as prescribed by §45.1-361.30.

James P. Skorupa, Director

Virginia Division of Gas and Oil
P.O. Drawer 159
Lebanon, Virginia 24266



Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Drawer 159, Lebanon, VA 24266
Telephone: (276) 415-9700

Operations Name: CBM AA36A W/PL
Application Number: 48674

**APPLICATION FOR A NEW PERMIT, PERMIT MODIFICATION,
OR TRANSFER OF PERMIT RIGHTS**

Application Information:

Name: Pocahontas Gas LLC
Address: PO Box 570
Pounding Mill, VA 24637
Telephone Number: 276-596-5075
Designated Agent: Teresa M. Brown
Type of Application: New
Type of Operation: Coalbed/Pipeline **Gob:** No
Horizontal Unit Name:

Operator's Bond Information:

Bond Number	Type	Amount	Institution
CMS233368	SUR	200000.00	RLI Insurance Company

Article 2 Board Requirements:

Field Order:

Does this application fall under a Field Order established by the Virginia Gas and Oil Board? Yes

Field Name: Oakwood Coalbed Field 1

Increased Density:

Is this well an increased density well for the unit? No

Pooling:

Is pooling Voluntary? Yes

Location Exception:

Is an exception to statewide spacing required by the board? No

Director Exception:

Is an exception to field order spacing required by the Director? Yes

Description	File Name
Location Exception	AA36A Location Exception.pdf

Director Approval:

Is location exception due to mining? Yes

Application Certification:

I, Beverly Webb representing Pocahontas Gas LLC

certify that all persons required to be notified under Section 45.1-361.30 of the Code of Virginia have been notified. Proof of notice is included as a part of this application. In the case of an application for a Permit, Permit Modification, or an application under 4 VAC 25-150-80, I hereby state that the Applicant named above has the right to conduct operations as set forth in the application and operations plan.

Title: Permitting Agent III

Date: 6/23/2021



Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Drawer 159, Lebanon, VA 24266
Telephone: (276) 415-9700

Operations Name: CBM AA36A W/PL
Application Number: 48674

NOTICE OF APPLICATION FOR A PERMIT OR PERMIT MODIFICATION

Take Notice of Pocahontas Gas LLC, pursuant to Code of Virginia, Section 45.1-361.29, is filing this Notice and Application of a permit with the Virginia Division of Gas and Oil with respect to an operation on the Commonwealth Coal Company tract of 965 acres, more or less, Timothy Null et al tract of 9 acres, more or less Garden District, BUCHANAN City/County, Virginia.

Attached to this Notice of Application is a copy of the required plat or map, operations plan and other information required by the Director. The operations plan describes the work to be done and meets the requirements of Regulation 4 VAC 25-150-100.

You may have the right to file an objection to the proposed operations within fifteen (15) days from the receipt of this notice pursuant to the Code of Virginia, Section 45.1-361.35. A copy of this Code section is attached for your review. You must describe the specific practices you are objecting to and reference the appropriate part of Section 45.1-361.35 when submitting any objection.

If you wish to object to this permit application, then you may file your objections with the Director of the Division of Gas and Oil, electronically in the Client Services Section of the DGO Data Information System at the following address: <https://www.dmme.virginia.gov/DgoInquiry>. You may also file objections at the address listed below.

Section 45.1-361.35.A "Objections to new or modification permits may be filed with the Director by those having standing as set out in Section 45.1-361.30. Such objections shall be filed within fifteen days of the objecting party's receipt of the notice required by Section 45.1-361.30. Persons objecting to a permit must state the reasons for their objections."

After receipt of a valid objection, an informal conference will be scheduled pursuant to the Code of Virginia Section 45.1-361.35.H.

Section 45.1-361.35.H "The Director shall fix a time and place for an informal fact finding hearing concerning such objections. The hearing shall not be scheduled for less than twenty nor more than thirty days after an objection is filed."

City/County: BUCHANAN District: Garden Quadrangle: KEEN MOUNTAIN
Waterway: Levisa Fork Farm Name: Commonwealth Coal Corporation

State Plane NAD 83 East / X	State Plane NAD 83 North / Y	Surface Elevation
10493754.7100	3596799.6700	2765.21

OBJECTIONS MUST BE FILED WITH

DEPARTMENT OF MINES, MINERALS AND ENERGY
DIVISION OF GAS AND OIL
P.O. Drawer 159
Lebanon, VA 24266
276-415-9700

SECTION 45.1-361.35 - OBJECTIONS TO PERMITS; HEARINGS

A. Objections to new or modification permits may be filed with the Director by those having standing as set out in Section 45.1-361.30. Such objections shall be filed within fifteen days of the objecting party's receipt of the notice required by Section 45.1-361.30. Persons objecting to a permit must state the reasons for their objections.

B. The only objections to permits or permit modifications which may be raised by surface owners are:

1. The operations plan for soil erosion and sediment control is not adequate or effective;
2. Measures in addition to the requirement for a well's water-protection string are necessary to protect fresh water-bearing strata; and
3. The permitted work will constitute a hazard to the safety of any person.
4. Location of the coalbed methane well or coalbed methane well pipeline will unreasonably infringe on the surface owner's use of the surface, provided; however, that a reasonable alternative site is available within the unit, and granting the objection will not materially impair any right contained in an agreement, valid at the time of the objection, between the surface owner and the operator or their predecessors or successors in interest.

C. The only objections to permits or permit modifications which may be raised by royalty owners are whether the proposed well work:

1. Directly impinges upon the royalty owner's gas and oil interests; or
2. Threatens to violate the objecting royalty owner's property or statutory rights aside from his contractual rights; and
3. Would not adequately prevent the escape of the Commonwealth's gas and oil resources or provide for the accurate measurement of gas and oil production and delivery to the first point of sale.

D. Objections to permits or permit modifications may be raised by coal owners or operators pursuant to the provisions of Sections 45.1-361.11 and 45.1-361.12.

E. The only objections to permits or permit modifications which may be raised by mineral owners are those which could be raised by a coal owner under Section 45.1-361.11 provided the mineral owner makes the objection and affirmatively proves that it does in fact apply with equal force to the mineral in question.

F. The only objections to permits or permit modifications which may be raised by gas storage field operators are those in which the gas storage operator affirmatively proves that the proposed well work will adversely affect the operation of his State Corporation Commission certificated gas storage field; however, nothing in this subsection shall be construed to preclude the owner of nonstorage strata from the drilling of wells for the purpose of producing oil or gas from any stratum above or below the storage stratum.

G. The Director shall have no jurisdiction to hear objections with respect to any matter subject to the jurisdiction of the Board as set out in Article 2 (Section 45.1-361.13 et seq.) of this chapter. Such objections shall be referred to the Board in a manner prescribed by the Director.

H. The Director shall fix a time and place for an informal fact finding hearing concerning such objections. The hearing shall not be scheduled for less than twenty nor more than thirty days after the objection is filed. The Director shall prepare a notice of the hearing, stating all objections and by whom made, and send a copy of such notice by certified mail, return receipt requested, at least ten days prior to the hearing date, to the permit applicant and to every person with standing to object as prescribed by Section 45.1-361.30.

I. At the hearing, should the parties fail to come to an agreement, the Director shall proceed to decide the objection pursuant to those provisions of the Administrative Process Act (Section 9-6.14.1 et seq.) relating to informal fact finding hearings.

Operations Name: CBM AA36A W/PL
Application Number: 48674

PERSONS RECEIVING OFFICIAL NOTICE OF PERMIT APPLICATION OR PERMIT MODIFICATION

For the purposes of an application for a new permit or permit modification, list such persons by name and address on additional sheets as needed with the title, "Supplemental Sheet for Persons Receiving Official Notice of Permit Application" and indicate the category for each person or group affected.

Application for Well Work Permit:

- ☒ Surface, coal and mineral owners on the tract to be drilled
- ☒ Surface owners of record on tracts where the surface is to be disturbed
- ☒ Gas, oil and royalty owners within
 - ☐ (1) one-half the distance specified in Section 45.1-361.17
 - ☐ (2) one-half the distance to the nearest well completed in the same pool or
 - ☒ (3) within the drilling unit established by the Virginia Gas and Oil Board
- ☐ Coal operators who have a registered operation plan with the Department for activities located on the tract to be drilled
- ☐ All coal operators who have applied for or obtained a mining or prospecting permit with respect to tracts within 500' of the proposed well location
- ☐ All coal or mineral owners on tracts located within 500' of the proposed well location
- ☐ All Storage Field Operators Within 1250'
- ☒ Local Government pursuant to Section 45.1-361.30.E
- ☒ Public notice pursuant to Section 45.1-361.30.E, such as an affidavit of publication from the newspaper

Coalbed Methane Well Applications (In Addition to Above)

- ☒ All coal operators, coal owners or mineral owners within 750 feet of the proposed well location
- ☐ All coal operators who have applied for or obtained a mining or prospecting permit with respect to tracts within 750 feet of the proposed well location

Applications for Pipelines and Facilities

- ☒ All surface owners affected by the proposed operations

Applications for Ground Disturbing Geophysical Operations

- ☐ Surface owners on tracts where the surface is to be disturbed
- ☐ Coal owners, coal operators, and mineral owners on the tract(s) to be drilled
- ☐ Coal operators who have registered operations plans with the Department for activities located on the tract to be drilled

**SUPPLEMENTAL SHEET(S) FOR PERSONS RECEIVING OFFICIAL NOTICE OF PERMIT
APPLICATION PURSUANT TO SECTION 45.1-361.30**

APPLICATIONS FOR WELL WORK PERMIT

A. Surface, coal and mineral owners on the tract to be drilled

Buchanan Mining Company LLC, Kevin Elkins, PO Drawer L, Oakwood, VA 24631
Commonwealth Coal Corp., , PO Box 1269, Bristol, VA 24203-1269
Pamela Diane Null Hess, , 475 Shorts Rd, Raven, VA 24639
Pocahontas Gas LLC, , PO Box 570, Pounding Mill, VA 24637
RAMACO Res. Land Holdings LLC, c/o George Farley, 250 West Main St. Ste 1800, Lexington, KY 40507
Timothy Null, , 2516 Sandy Gap Rd, Raven, VA 24639

B. Surface owners of record on tracts where the surface is to be disturbed

Pamela Diane Null Hess, , 475 Shorts Rd, Raven, VA 24639
Timothy Null, , 2516 Sandy Gap Rd, Raven, VA 24639

C. Gas, oil and royalty owners within

1. one-half the distance specified in Section 45.1-361.17

N/A

2. one-half the distance to the nearest well completed in the same pool

N/A

3. within the drilling unit established by the Virginia Gas and Oil Board

Buchanan Mining Company LLC, Kevin Elkins, PO Drawer L, Oakwood, VA 24631
Commonwealth Coal Corp., , PO Box 1269, Bristol, VA 24203-1269
Pocahontas Gas LLC, , PO Box 570, Pounding Mill, VA 24637
RAMACO Res. Land Holdings LLC, c/o George Farley, 250 West Main St. Ste 1800, Lexington, KY 40507

D. Coal operators who have a registered operation plan with the Department for activities located on the tract to be drilled

N/A

E. All coal operators who have applied for or obtained a mining or prospecting permit with respect to tracts within 500' of the proposed well location

N/A

F. All coal or mineral owners on tracts located within 500' of the proposed well location

N/A

G. All Storage Field Operators Within 1250'

N/A

H. Local Government pursuant to Section 45.1-361.30.E

Buchanan County Admin., Craig Horn, PO Box 950, Grundy, VA 24614-0950

I. Public notice pursuant to Section 45.1-361.30.E, such as an affidavit of publication from the newspaper
BDT, , PO Box 1599, Bluefield, WV 24701

COALBED METHANE WELL APPLICATION IN ADDITION TO ABOVE

J. All coal operators, coal owners or mineral owners within 750 feet of the proposed well location

Buchanan Mining Company LLC, Kevin Elkins, PO Drawer L, Oakwood, VA 24631

K. All coal operators who have applied for or obtained a mining or prospecting permit with respect to tracts within 750 feet of the proposed well location

N/A

APPLICATIONS FOR PIPELINES AND FACILITIES

L. All surface owners affected by the proposed operations

Pamela Diane Null Hess, , 475 Shorts Rd, Raven, VA 24639

Timothy Null, , 2516 Sandy Gap Rd, Raven, VA 24639

APPLICATIONS FOR GROUND DISTURBING GEOPHYSICAL OPERATIONS

M. Surface owners on tracts where the surface is to be disturbed

N/A

N. Coal owners, coal operators, and mineral owners on the tract(s) to be drilled

N/A

O. Coal operators who have registered operations plans with the Department for activities located on the tract to be drilled

N/A

Timothy Null, et al

as of 6/10/2021

(9.67 Acres - Surface)

<i>Last Name</i>	<i>First Name</i>	<i>Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
Hess	Pamela Diane Null	475 Shorts Rd	Raven	VA	24639
Null	Timothy	2516 Sandy Gap Rd	Raven	VA	24639



Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Drawer 159, Lebanon, VA 24266
Telephone: (276) 415-9700

NOTICE BY PUBLICATION OF AN APPLICATION FOR A PERMIT

For purposes of publication requirements under § 45.1-361.30.E., the following format shall be used.

NOTICE OF APPLICATION FOR

Operations Name: CBM AA36A W/PL
Application Number: 48674

Take Notice that, pursuant to Code of Virginia, Section 45.1-361.30.E. the undersigned operator proposes to file, or has filed, an application for gas and oil operations known as CBM AA36A W/PL with the Department of Mines, Minerals and Energy, Division of Gas and Oil under Code of Virginia, Section 45.1-361.29, with respect to an operation on the Commonwealth Coal Company tract of 965 acres, more or less, Timothy Null et al tract of 9 acres, more or less tract(s) in the Garden District, BUCHANAN City/County, Virginia

The application is on file with the Division of Gas and Oil identifying the proposed location and all work to be performed at the described site. Any inquiries should be directed to the Division of Gas and Oil at 276 415-9700.

Code of Virginia Section 45.1-361.30 identifies persons with rights to file objections to the gas and oil operation. Persons objecting to a permit must state their reasons for objecting within 15 days of the date of receipt of notice. Written objections must be filed with the Director, Department of Mines, Minerals and Energy, Division of Gas and Oil, P. O. Drawer 159, Lebanon, Virginia 24266.

If you wish to object to this permit application, then you may file your objections with the Director of the Division of Gas and Oil, electronically in the Client Services Section of the DGO Data Information System at the following address: <https://www.dmme.virginia.gov/DgoInquiry>. You may also file objections at the address listed above.

Operator: Pocahontas Gas LLC
Address: PO Box 570
Pounding Mill, VA 24637
Telephone Number: 276-596-5075

PROPERTY LINES SHOWN ON THIS PLAT WERE PROVIDED BY
POCAHONTAS GAS LLC AND WERE TAKEN FROM DEED
DESCRIPTIONS AND CHAIN OF TITLE OF RECORD IT DOES NOT
REPRESENT A CURRENT BOUNDARY SURVEY. THE CERTIFICATION
HEREON CERTIFIES THE LOCATION OF THE PROPOSED WELL ONLY.

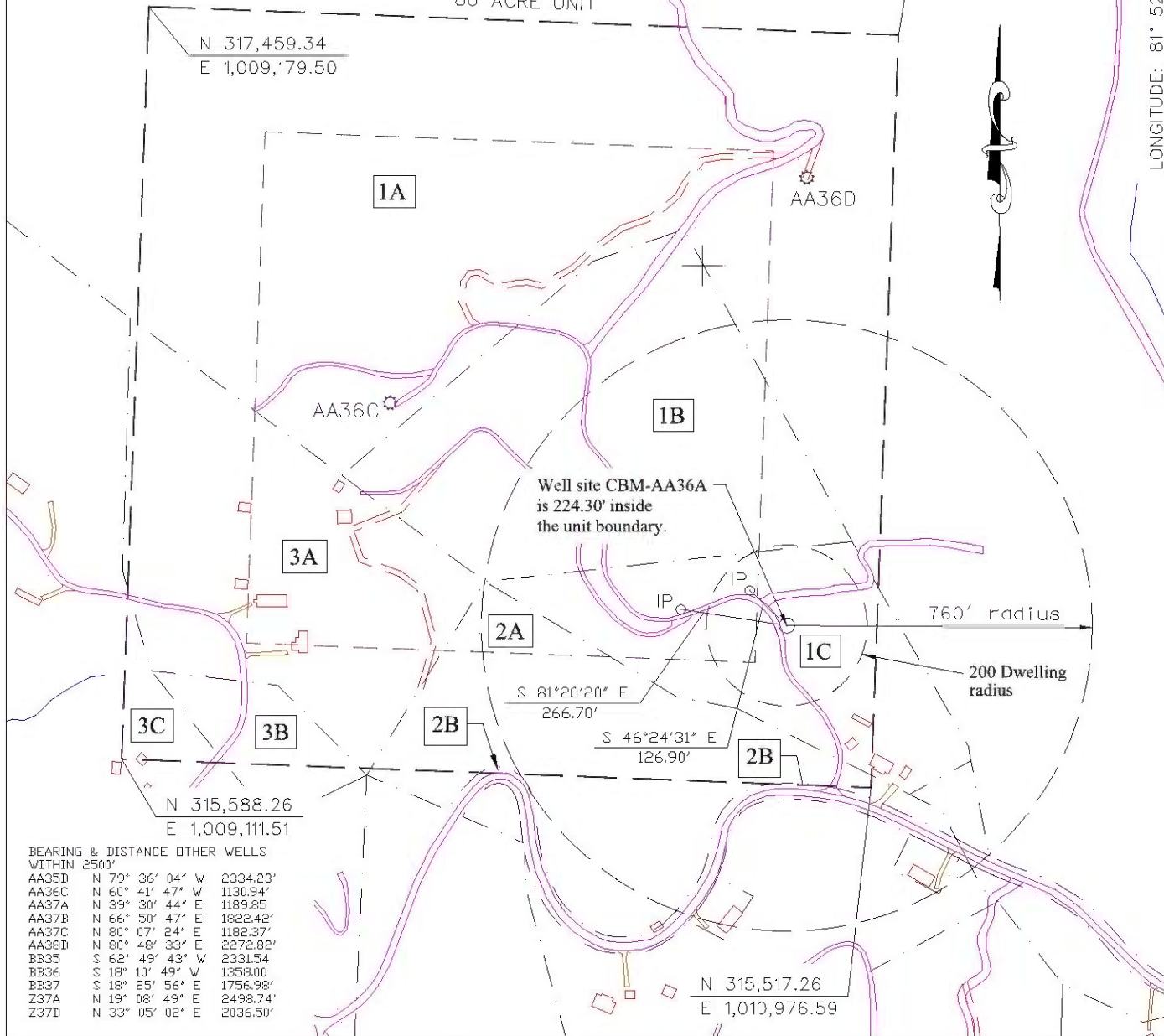
LATITUDE: 37° 10' 00"

N 317,388.43
E 1,011,044.52

80 ACRE UNIT

N 317,459.34
E 1,009,179.50

LONGITUDE: 81° 52' 30"
5,265'



BEARING & DISTANCE OTHER WELLS
WITHIN 2500'

AA35D	N 79° 36' 04" W	2334.23'
AA36C	N 60° 41' 47" W	1130.94'
AA37A	N 39° 30' 44" E	1189.85'
AA37B	N 66° 50' 47" E	1822.42'
AA37C	N 80° 07' 24" E	1182.37'
AA38D	N 80° 48' 33" E	2272.82'
BB35	S 62° 49' 43" W	2331.54'
BB36	S 18° 10' 49" W	1358.00'
BB37	S 18° 25' 56" E	1756.98'
Z37A	N 19° 08' 49" E	2498.74'
Z37D	N 33° 05' 02" E	2036.50'

THE ACTUAL WELL LOCATION WILL BE WITHIN 10 FEET OF THE PROPOSED LOCATION ACCORDING TO 4 VAC 25-150-290 AND 45.1-361.30.

WELL LOCATION PLAT

Company POCAHONTAS GAS LLC Well Name or Number CBM-AA36A
 Tract No. COMMONWEALTH COAL CORPORATION (965 ACRES) Scale: 1" = 400'
 County BUCHANAN District GARDEN Quadrangle KEEN MOUNTAIN Date _____
 Elevation 2765.21' Well Elevation Determined By Top Levels From Pocahontas Gas LLC Benchmarks
 Well Coordinates N 315,920.42 E 1,010,766.78 (Virginia State Plane - South Zone - NAD' 27)
 Well Coordinates N 3,596,799.67 E 10,493,754.71 (Virginia State Plane - South Zone - NAD' 83)
 This plat is a new plat X ; an updated plat ALLEN MITCHELL or a final plat _____
 Lic. No. 2289

+ Denotes the location of a well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

Form DGO-GO-7

Rev. 9/91

6/10/21

Licensed Professional Engineer or Licensed Land Surveyor

(Affix Seal)

Pocahontas Gas LLC
UNIT AA36
Tract Identifications

1. Commonwealth Coal Corporation (965 acres) – Mineral
Buchanan Mining Company LLC – Below Drainage Coal Leased
RAMACO Resources Land Holdings, LLC – Coal in Tiller and Above Leased
Pocahontas Gas LLC – Oil, Gas, and CBM Leased
58.89 Acres 73.6125%
- 1A. Commonwealth Coal Corporation – Surface
- 1B. Pamela Hess – Surface
- 1C. Timothy Null, et al – Surface
2. Commonwealth Coal Corporation (1497.62 acres) – Mineral
Buchanan Mining Company LLC – Below Drainage Coal Leased
RAMACO Resources Land Holdings, LLC – Coal in Tiller and Above Leased
Pocahontas Gas LLC – Oil, Gas, and CBM Leased
6.77 Acres 8.4625%
- 2A. Danny Horton, et ux – Surface
- 2B. Commonwealth of Virginia SR 671 - Surface
3. Coal Mountain Mining Company, LLP (122 Acres Tract 33) - Minerals
Buchanan Mining Company LLC – Below Drainage Coal Leased
RAMACO Resources Land Holdings, LLC – Coal in the Tiller and Above Leased
Pocahontas Gas LLC – Oil, Gas, and CBM Leased
14.34 Acres 17.9250%
- 3A. Ronald Horton, et ux – Surface
- 3B. Macey Horton, et ux – Surface
- 3C. Al Horton, et al - Surface

(This title block is for general informational purposes only and does not reflect an analysis of the severance deed and its effect upon coalbed methane ownership and should not be relied upon for such purpose.)



Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Drawer 159, Lebanon, VA 24266
Telephone: (276) 415-9700

Operations Name: CBM AA36A W/PL

Application Number: 48674

TECHNICAL DATA SHEET FOR PERMIT APPLICATIONS UNDER SECTION 45.1-361.29

☐ the information is related to the conversion of a VVH to a CBM under 4 VAC 25-150-580.

Geological Target Formation: Pocahontas

Estimated Depth of Completed Well : 2560.0

GEOLOGICAL DATA (ESTIMATE)

Predict:

Description	FileName
Predict	AA36A PREDICT.pdf
Schematic	AA36A Schematic.pdf

Consent to Stimulate:

Description	FileName
CTS	AA36A CTS Signed.pdf

Proposed Casing and Tubing Program

	Size	Depth	Cement Details
Conductor	13 3/8	0-30	Cemented to Surface
Surface/Water Prot. Casing	9 5/8	350	Cemented to Surface
Coal Protection Casing	4 1/2	2500	Cemented to Surface
Other Casing	7	550	Cemented to Surface
Other Casing			
Other Casing			
Production Casing	4 1/2	2500	Cemented to Surface
Tubing	2 3/8	2560	

Centralizer Plan:

Description	FileName
Centralizer Plan	AA36A Centralizer Plan.pdf

Request a variance to the Cement Bond Log requirement for the water protection casing string:

☒ Yes ☐ No

Description	FileName
Cement Bond Log	1 Cement Bond Log Plan.pdf

PREDICT

HOLE: AA36A	ESTIMATED		ESTIMATED	ESTIMATED
	EASTING		NORTHING	ELEVATION
	NAD 27	1010766.78	315920.42	2765.21
	NAD 83	10493754	3596799.67	2765.21
SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THICKNESS (FT)
-----	-----	-----	-----	-----
TOPO	0	0	2765.21	0
KN1	217.4	218.9	2547.81	1.5
KN2	236.05	237.04	2529.16	0.99
AL1	358.52	358.92	2406.69	0.4
AL2	373.02	373.67	2392.19	0.65
**RA2	493.12	495.12	2272.09	2
RA3	508.52	509.32	2256.69	0.8
JB1	632.72	634.12	2132.49	1.4
JB3	686.62	688.82	2078.59	2.2
TI	783.52	784.12	1981.69	0.6
*GC2	1186.22	1188.02	1578.99	1.8
*SE1	1245.52	1246.42	1519.69	0.9
*SE2	1281.72	1283.12	1483.49	1.4
*LS1	1325.52	1327.62	1439.69	2.1
*UH1	1366.22	1367.52	1398.99	1.3
*UH2	1442.02	1443.32	1323.19	1.3
*UH3	1444.62	1446.12	1320.59	1.5
*MH1	1495.92	1497.52	1269.29	1.6
*MH2	1559.32	1560.22	1205.89	0.9
*P11	1609.82	1612.02	1155.39	2.2
*P10	1632.02	1632.92	1133.19	0.9
*P91	1773.92	1775.32	991.29	1.4
*P92	1779.62	1780.62	985.59	1
*P93	1798.62	1799.52	966.59	0.9
*P81	1828.12	1829.02	937.09	0.9
*P72	1938.22	1939.52	826.99	1.3
*P62	2062.92	2064.52	702.29	1.6
*P51	2107.62	2108.42	657.59	0.8
*P41	2159.52	2160.62	605.69	1.1
*P3	2245.02	2248.82	520.19	3.8
*P31	2263.82	2265.02	501.39	1.2
*P32	2265.52	2267.52	499.69	2
*P33	2267.82	2268.92	497.39	1.1
*P34	2270.52	2271.52	494.69	1

*P01	2369.47	2369.82	395.74	0.35
*SJ1	2459.67	2460.32	305.54	0.65
RG				

* Coal seam subject to coalbed methane production.

** Mined out.

Estimated cutoff elevation: 1820' above sea level, based on valley floor estimate of 2320' above sea level.

Once drilled, any coal seam, named or omitted, that lies below the cutoff elevation is subject to coalbed methane stimulation and production.

Coal seams to be stimulated were adjusted due to topography.

3:56pm 4/14/21

Target Stimulation
ATTACHMENT DGO-GO-9(B)

Pocahontas Gas LLC proposes to install a 4 1/2" fresh water/coal protection casing and production casing. The Pocahontas No. 3 Seam may be stimulated with a fluid carrier and propant process through the 4 1/2" casing. 4 1/2" fiberglass casing may or may not be set through the P-3 seam, therefore determining whether the P-3 seam is to be fraced open hole or through casing perforations. All 4 1/2" casing set above the P-3 seam shall be made of steel. Dependent upon the production from the primary target seam(s), the production casing may be perforated and t he remaining target seams may be stimulated to increase production.



Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Drawer 159, Lebanon, VA 24266
Telephone: (276) 415-9700

Operations Name: CBM AA36A W/PL

TECHNICAL DATA SHEET FOR GATHERING PIPELINES

Pursuant to Code of Virginia, Section 45.1-361.29, the applicant is applying for a permit for a gathering pipeline and/or associated facilities.

Location of Proposed Pipeline:

City/County(s): BUCHANAN

District(s): Garden

Quadrangle(s): KEEN MOUNTAIN

Watershed(s): Levisa Fork

Segment #	Status	Type	Diameter (Inches)	Right of Way Width (feet)	Proposed Length (Feet)	Calculated Disturbed Acres	Surface / Buried	Material	Well Name	A/C
16097	Permitted Not Built	Gas	8.00	75	450.00	0.77	U	Plastic	CBM AA36A	C

Total Length of Proposed Pipeline: 450.00

Area to be disturbed: 0.77

Associated pipeline or well permit number:

Operations Name / File #
AA36C
BB36



Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Drawer 159, Lebanon, VA 24266
Telephone: (276) 415-9700

Operations Name: CBM AA36A W/PL

TECHNICAL DATA SHEET FOR PERMIT MODIFICATION TO PLUG OR REPLUG

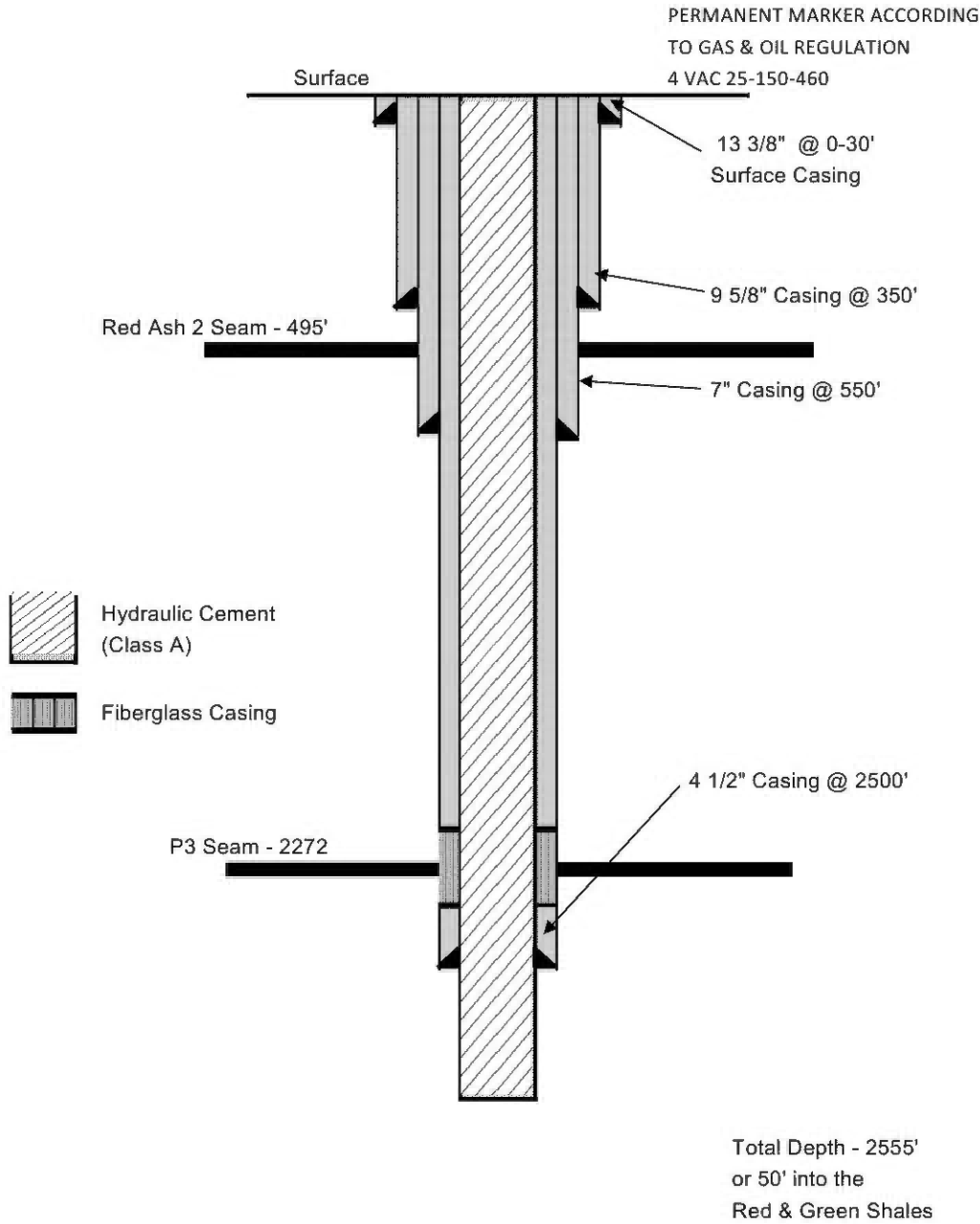
Under Code of Virginia, Section 45.1-361.34, the proposed plugging work is for the purpose listed below:

Abandonment of the well or corehole by the operator

The date when the plugging or re-plugging is proposed to be commenced

Pocahontas Gas LLC
CBM AA36A

PROPOSED PLUGGING AND ABANDONMENT SCHEMATIC



6/23/2021



Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Drawer 159, Lebanon, VA 24266
Telephone: (276) 415-9700

Operations Name: CBM AA36A W/PL

Application Number: 48674

OPERATIONS PLAN

PRE-DEVELOPMENT SITE CONDITIONS:

I certify that the application complies with all local land use ordinances: ☒ Yes ☐ No

Existing Land Use: Forest, Mining

Set-back variance requested: ☐ Yes ☒ No

Located on DMLR permit(s): ☐ Yes ☒ No

Active underground mining located within ☐ 500' ☐ 200' of proposed well location or ☒ No Mining

Is the topography different from that depicted on the attached topographic map(s): ☐ Yes ☒ No

Groundwater Baseline Sampling, Analysis and Monitoring Plan:

- ☐ Yes (Sampling plan attached and MPIDs are established)
☐ Not required (No Groundwater found within one quarter mile of proposed well or corehole)
☒ Not required (Other, documented in plan)

Description	FileName
-------------	----------

Provide a statement of the acres to be disturbed to the nearest 1/10 of an acre subject to this application:

2.27

CONSTRUCTION PLANS

- ☒ Not less than 1" - 400' topographic map depicting all existing and proposed access roads to be upgraded or constructed. Anticipated culvert sizes, locations, and the approximate final road grades shall be shown on the proposed roads. Adjoining state and county maintained roads and previously permitted roads which will be used in conjunction with the proposed roads shall be labeled for reference purposes.
- ☒ Not less than 1" - 50' site map with cross section(s) indicating the elevations before and after construction, the drilling pad size, the location of all drainage and erosion/sediment control structures, topsoil stockpiles and pits.
- ☒ Not less than 1" - 600' topographic map showing the total length of the proposed pipelines with notations of the pipeline diameter. This map shall show the location of all proposed drips, tanks and associated facilities (if applicable) and shall indicate where the pipe is to be buried or on the surface. The anticipated grades after construction for the ground disturbing sections of the pipeline rights-of-way shall also be shown on the map or an associated section profiles.
- ☐ Identify on attached maps any adjacent land, man-made or public safety features which would be at risk because of proposed operations as Red Zone(s) as required by 45 VAC 25-150-100(B).
- ☒ No Red Zone Identified

Description	FileName
No Red Zone Required	5 No Red Zone Required.pdf
Exhibit 1	AA36A EXHIBIT 1-Model.pdf
Exhibit 1A	AA36A Exhibit 1A.pdf
Exhibit 2	AA36A EXHIBIT 2-Model.pdf
Exhibit 3	AA36A EXHIBIT 3-Model.pdf

WORK PLANS

Stimulation plan attached: ☒ Yes ☐ Does Not Apply (GOB) ☐ Does Not Apply

Description	FileName
Target	2 TARGET(Frac).pdf

Analysis of mud medium/drilling medium/oil based fluid medium attached: ☒ Yes ☐ Does not apply

Description	FileName
QD-7	2 QD-7 Safety Data Sheet.pdf

SPCC Plan Required by EPA: ☒ Yes ☐ Does not apply

Description	FileName
SPCC	3 SPCC Noah Horn Tier 1Final.pdf

Emergency response plan attached: ☒ Yes ☐ Does not apply

Description	FileName
ERP	POCAHONTASGAS_SPRP_ERP 2020.pdf

Pit Identification:

Pit Name	Date Added	Date Removed
Pit		
Alt Pit		

Wellbore Identification:

Wellbore Identifier	Date Added
---------------------	------------

PROVIDE INFORMATION OR ATTACHEMENTS PERTAINING TO SITE SPECIFIC INFORMATION THAT IS NOT ADDRESSED ABOVE

Description	FileName
Produced Fluids	0 Disposal of Produced Fluids Revised 6-8-2021.pdf
No Objections	3 No Objection Letter BM-Coronado-10-8-2019.pdf
Mine Plats	AA36A Jawbone Seam.pdf
Mine Plats	AA36A Lower Banner Seam.pdf
Mine Plats	AA36A Red Ash Seam.pdf

Directions to site: Access for this proposed site from nearest community of Shorts Gap off Rte. 671 is over approximately 580 ft of existing road included in CBM-AA36C and various other permit applications to reach the site. The new segments of access road will require one (1) new culvert as shown in Exhibits 1, 2, and 3.



BUCHANAN MINERALS_{LLC}

Buchanan Minerals, LLC
P.O. Drawer L
Oakwood, VA 24631

Date: October 8, 2019

Division of Gas and Oil
135 Highland Drive
Lebanon, VA 24266

To whom it may concern:

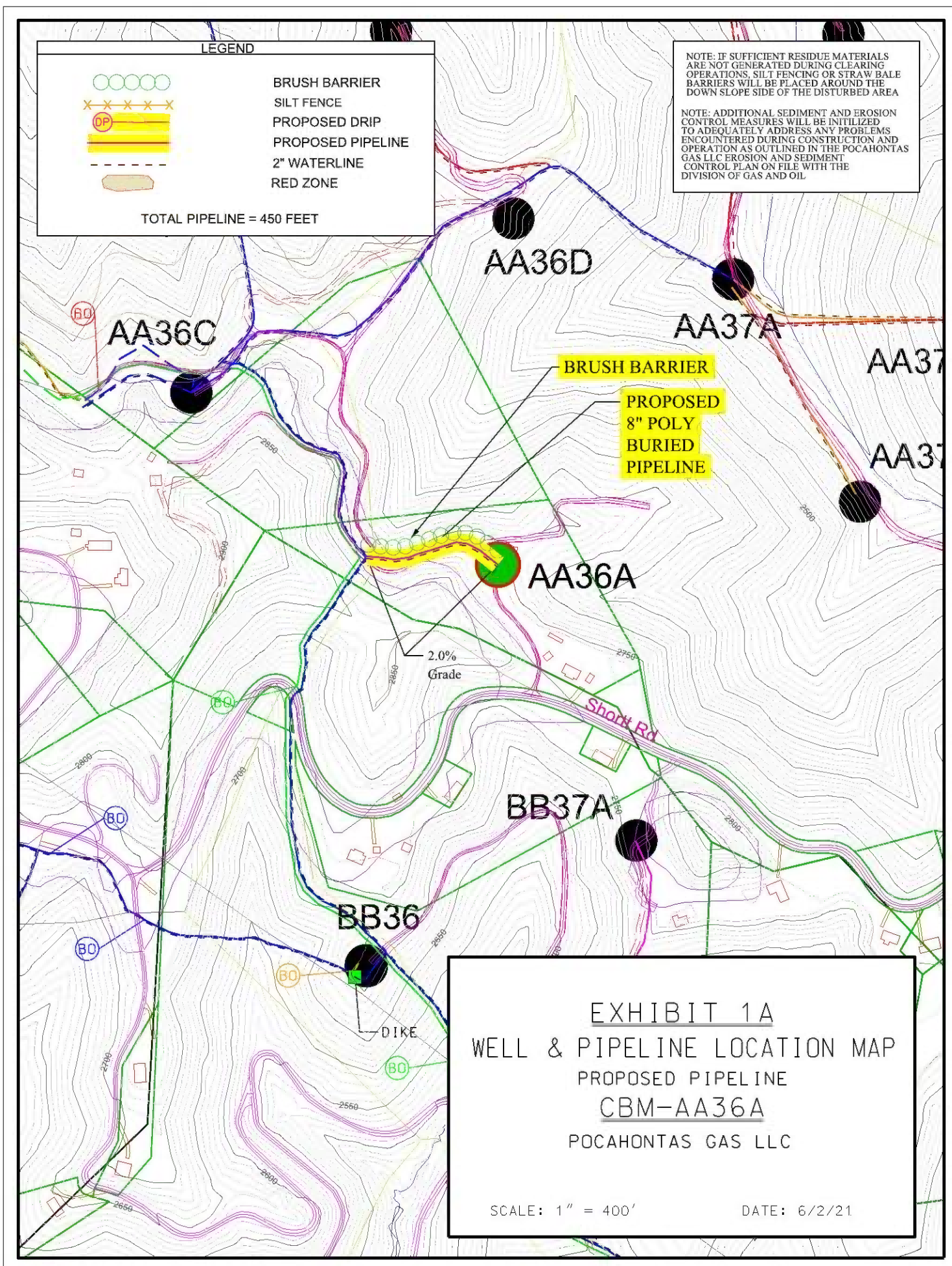
Please be advised that Buchanan Minerals LLC by a certain Mining, Management and Administrative Services Agreement dated March 31, 2016 has the ability to operate and manage assets related to property held by Coronado IV LLC. Buchanan Minerals LLC has no objection to wells drilled or proposed to be drilled by Pocahontas Gas LLC (formerly CNX Gas Company LLC) deviating more than one degree from vertical.

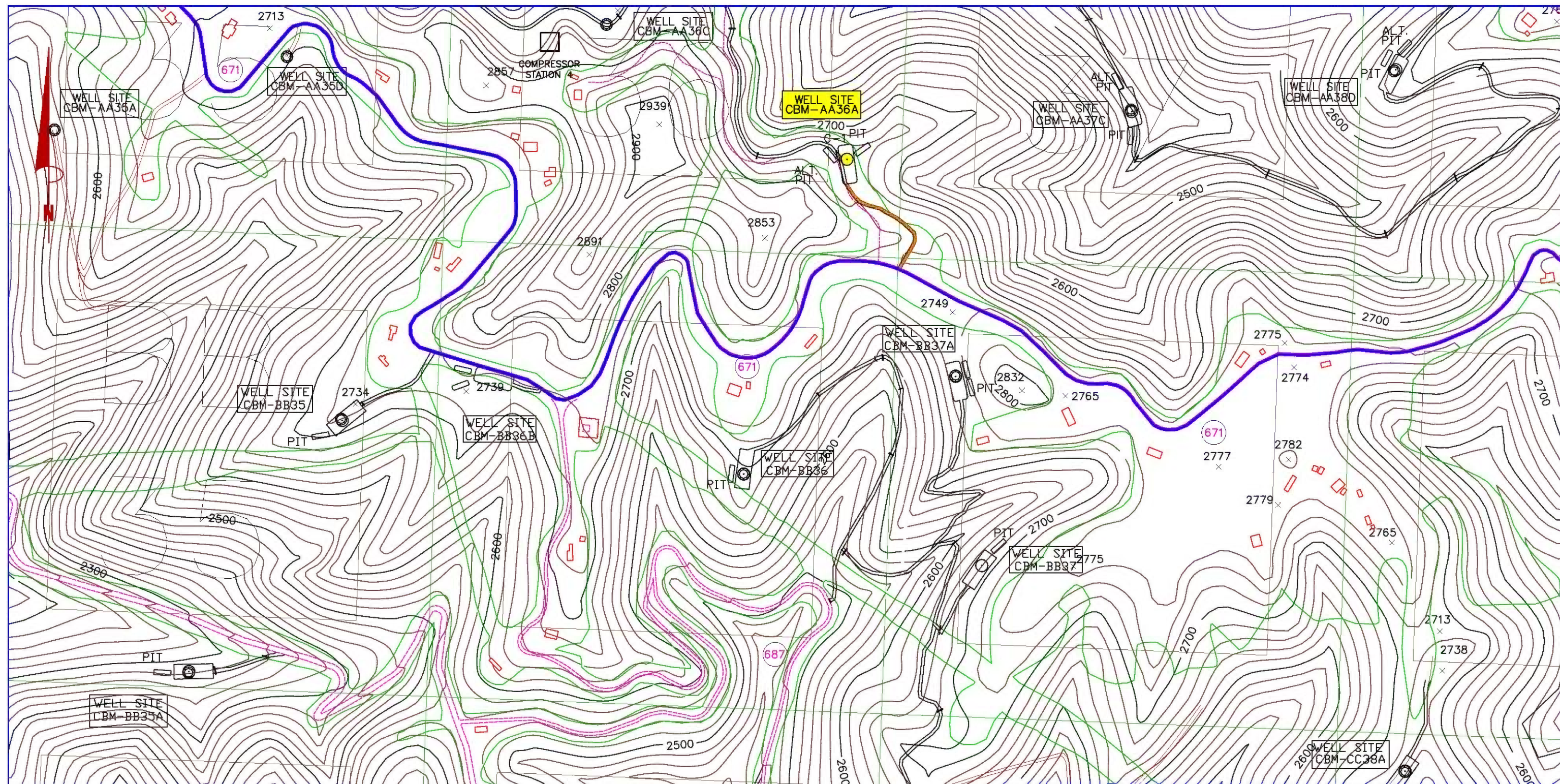
Pocahontas Gas LLC will provide a deviation survey to Buchanan Minerals, LLC at the above address upon the written request.

BY: Brett Holbrook

Brett Holbrook
Vice President
Buchanan Minerals, LLC
PO Drawer L
Oakwood, VA 24631
(276) 498-6922
brett.holbrook@Coronadous.com

Witness: Ken Elrod





LEGEND

- STATE ROAD
- COUNTY ROAD
- EXISTING ROAD
- NEW ROAD
- CULVERT
- C-1 CULVERT NUMBER
- WELL BORE
- NEW ROAD SEGMENT
- SILT FENCE AND OR BRUSH BARRIERS

NOTE:

STRAW BALES SHALL BE INSTALLED & MAINTAINED AT THE INLET AND OUTLET OF ALL CULVERTS AND AT ALL DRAINAGE WINDOWS UNTIL THE DISTURBED AREA IS STABILIZED.
NOTE: SILT TO BE CONTROLLED BY BRUSH BARRIERS AND/OR SILT FENCE, ETC.
STRAW BALES TO BE PLACED AT INLET/OUTLET END OF ALL CULVERTS AND DRAINAGE WINDOWS.

ACCESS ROAD LOCATION FROM HANDHELD GPS BY POCAHONTAS GAS LLC.

NEW ROAD INFORMATION
□ LENGTH % GRADE
NO NEW ROAD NECESSARY

LAT: 37° 09' 08.30798"
LONG: 81° 53' 41.42071"

LOCATION MAP WELL NO. CBM-AA36A

SCALE: 1" = 400'

DATE: 4-02-21

POCAHONTAS GAS LLC
PO BOX 570
POUNDING MILL, VA. 24637

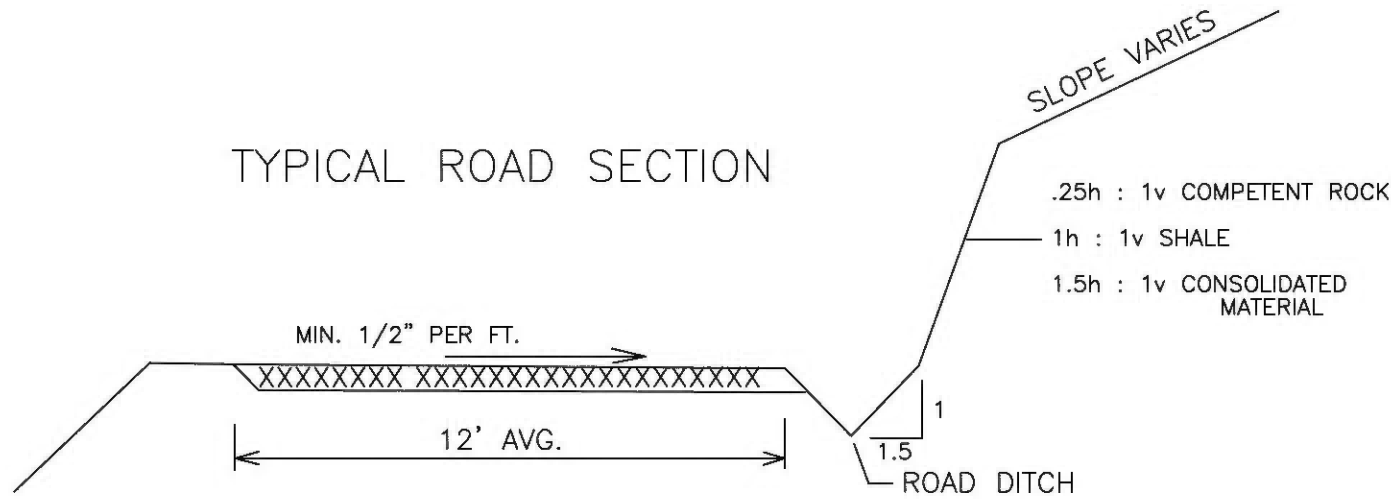
DRAWN BY: DC

FILE: AA36A EXHIBIT 1

D. R. PRICE ENGINEERING & LAND SURVEYING, INC., PC
P. O. BOX 1270, HONAKER, VA 24260
PHONE: (276) 991-9100 FAX: (276) 991-9103

EXHIBIT 1

TYPICAL ROAD SECTION

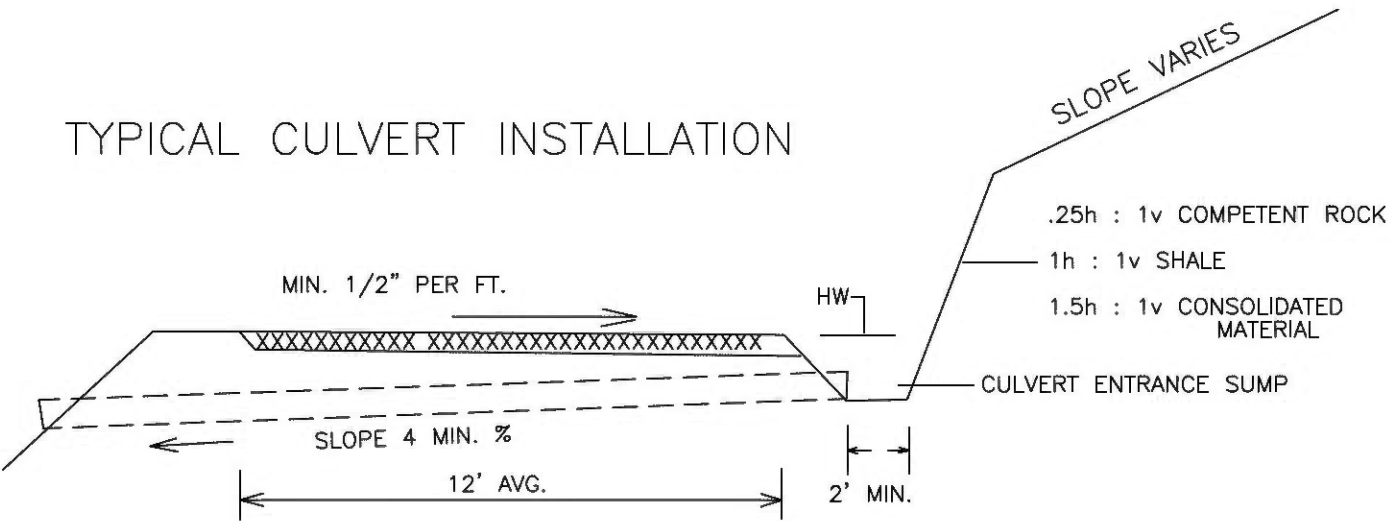


NOTE: SLOPE AND DEPTH OF ALL ROAD DITCHES SHALL BE SUFFICIENT TO HANDLE ANTICIPATED RUNOFF.

CULVERT SCHEDULE

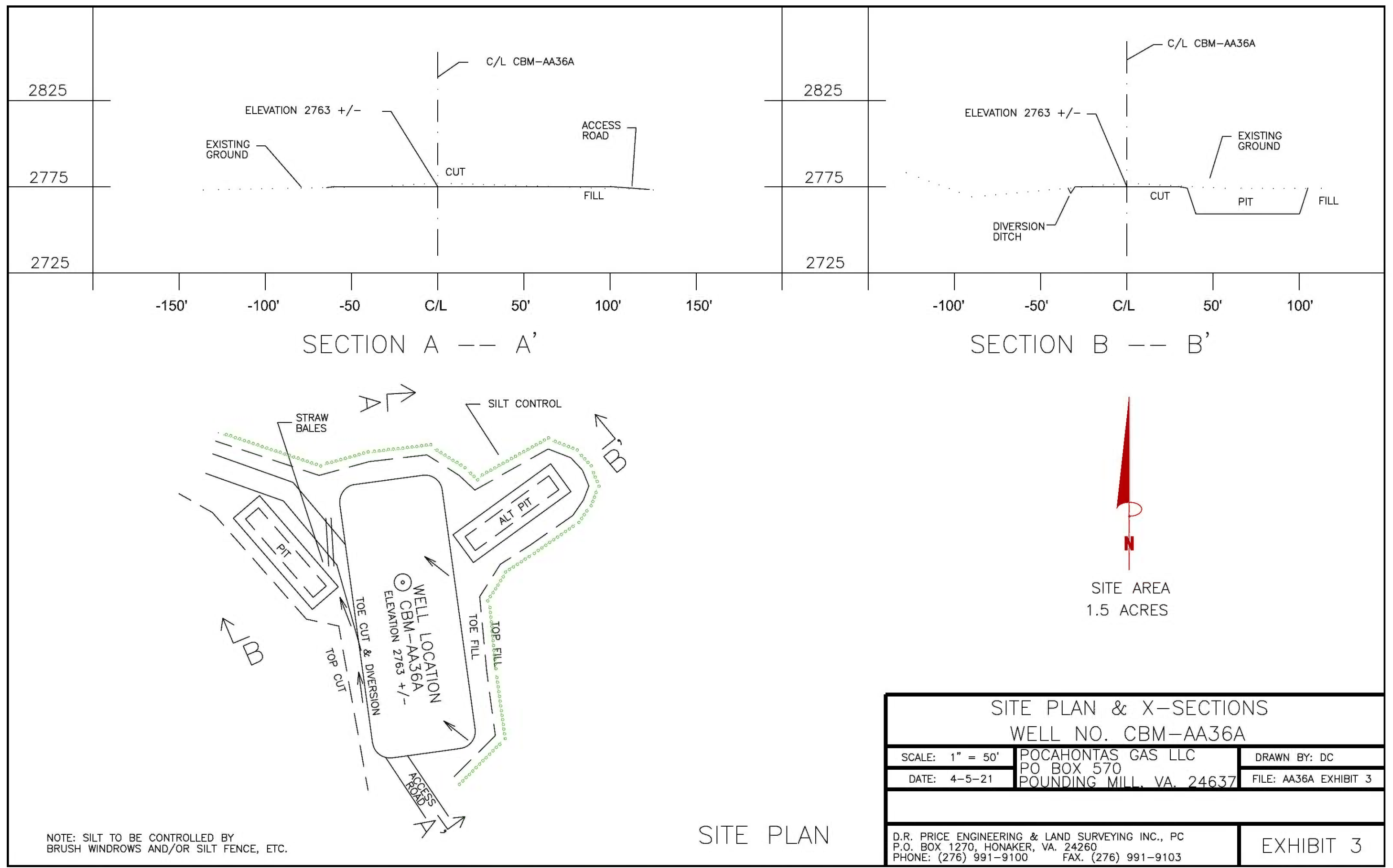
CULVERT I.D. NO.	Q (CFS)	Ø (IN)	MIN. HW (FT.) REQUIRED
C-1	15.21	18	2.88

TYPICAL CULVERT INSTALLATION



NOTES: STRAW BALES TO BE PLACED AT ENTRANCE AND OUTLET OF ALL CULVERTS UNTIL AREA IS STABILIZED.
EROSION & SEDIMENT CONTROL WILL BE HANDLED BY WINDROW BRUSH OR SILT FENCING.

ROAD & CULVERT DETAILS		
WELL CBM-AA36A		
SCALE: NTS	POCAHONTAS GAS LLC	DRAWN BY: DC
DATE: 4-9-21	PO BOX 570	FILE: AA36A EXHIBIT 2
POUNDING MILL, VA. 24637		
D.R. PRICE ENGINEERING & LAND SURVEYING INC. P.C.		EXHIBIT 2
P.O. BOX 1270, HONAKER, VA. 24260		
PHONE: (276) 991-9100 FAX: (276) 991-9103		



7019 0700 0001 6437 9813

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☐ Return Receipt (electronic) \$0.00
☐ Certified Mail Restricted Delivery \$0.00
☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

CNX Gas \$6.18
ATTN: Beverly Webb
PO Box 570
Pounding Mill, VA 24637
Notice of Hearing IFFH 1018

12/07/2021

PS Form 3800, April 2013 PSN 7530-02-000-9001 See Reverse for Instructions

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☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

Pamela Hess \$6.18
475 Shortts Road
Raven, VA 24639
Notice of Board Hearing IFFH 1018

12/07/2021

PS Form 3800, April 2013 PSN 7530-02-000-9001 See Reverse for Instructions

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☐ Adult Signature Required \$0.00
☐ Adult Signature Restricted Delivery \$0.00

Hilliard & Swartz Law Offices
ATTN: Mark Swartz
122 Capital Street, Ste. 201
Charleston, WV 25301
Notice of Hearing IFFH 1018

12/07/2021

PS Form 3800, April 2013 PSN 7530-02-000-9001 See Reverse for Instructions



December 14, 2021

Dear Sarah Gilmer:

The following is in response to your request for proof of delivery on your item with the tracking number:
7019 0700 0001 6437 9813.

Item Details

Status:	Delivered, Individual Picked Up at Post Office
Status Date / Time:	December 13, 2021, 11:39 am
Location:	POUNDING MILL, VA 24637
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™ Return Receipt Electronic

Shipment Details

Weight:	1.0oz
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Recipient Signature

Signature of Recipient:

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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Sincerely,
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475 L'Enfant Plaza SW
Washington, D.C. 20260-0004



December 14, 2021

Dear Sarah Gilmer:

The following is in response to your request for proof of delivery on your item with the tracking number:
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Item Details

Status:	Delivered, Left with Individual
Status Date / Time:	December 11, 2021, 9:16 am
Location:	RAVEN, VA 24639
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic

Shipment Details

Weight:	1.0oz
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Recipient Signature

Signature of Recipient:

Address of Recipient:

SK
C 19
HSC67
47567

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Washington, D.C. 20260-0004



December 14, 2021

Dear Sarah Gilmer:

The following is in response to your request for proof of delivery on your item with the tracking number:
7019 0700 0001 6437 9820.

Item Details

Status:	Delivered, Left with Individual
Status Date / Time:	December 13, 2021, 2:04 pm
Location:	CHARLESTON, WV 25301
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic

Shipment Details

Weight:	1.0oz
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Recipient Signature

Signature of Recipient:

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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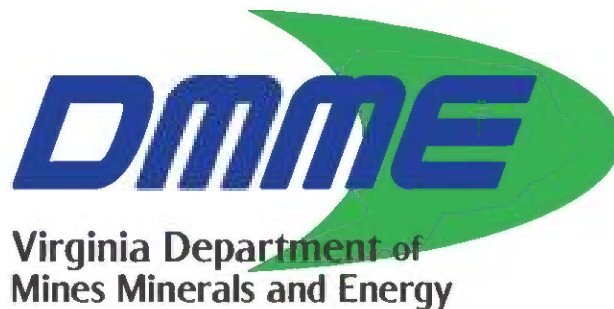
Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

Virginia Division of Gas and Oil

3405 Mountain Empire Road
Big Stone Gap, VA 24219

Telephone: (276) 415-9700
Fax: (276) 523-8121

James P. Skorupa
-Director, Gas and Oil



By Decision of the Director in

Informal Fact Finding Conference 1018

Pamela Hess

vs.

Pocahontas Gas LLC

Permit Application for Gas and Oil operations:

Coalbed/Pipeline Operations CBM AA36A W/PL, Application 48674

Background

Coalbed/Pipeline operations CBM AA36A W/PL, Application 48674, Pocahontas Gas LLC was received at the Virginia Division of Gas and Oil (DGO) on 6/25/2021. The evidence regarding the application and objections filed support the fact that the objections were timely and appropriate under Virginia statute.

The objections filed by **Pamela Hess** against the permit application **#48674** were in accordance with objections provided by law under §45.1-361.35.

§45.1-361.35. Objections to permits; hearing

- B. The only objections to permits or permit modifications that may be raised by Surface Owners are:
2. There are not measures (in addition to the requirement for a well's water-protection string) necessary to protect fresh water-bearing strata.
 4. The location of the coalbed methane well or coalbed methane well pipeline would unreasonably infringe on the surface owner's use of the surface. Note: This is only considered grounds to object, if a reasonable alternative site is available within the unit, and granting the objection will not materially impair any right contained in an agreement, valid at the time of the objection, between the surface owner and the operator or their predecessors or successors in interest.

Hearing Date and Place

IFFH 1018 was convened on Tuesday, August 17, 2021 at 10:00 AM, at DMME Big Stone Gap. All parties with standing to object to Permit Application #48674 were notified of the time and place by United States Postal Service, certified mail, return receipt requested.

I. TESTIMONY BY THE APPLICANT

The applicant presented testimony by way of exhibits containing evidence of well location, drainage of surface water, water analysis results, property lines and mining projections. Pocahontas Gas testifies that application number 48647 is in compliance with all state and local regulations and necessary for mine safety.

I. TESTIMONY BY THE SURFACE OWNER

Pamela Hess as a Surface Landowner filed an objection to Permit Application # 48647 for CBM AA36A located in Buchanan County that has been submitted by Pocahontas Gas, LLC. The summary of the landowner's objections are: (1) the location of the well is too close to her home, a mobile home she owns on the property, and a road, (2) the well will affect her spring and pond located on her property, (3) located on flat land and deprives her of its use, (4) extra truck traffic, (5) noise (6) devaluation of her property, (7) royalty payments for use of the property, and (8) promised a gate by CNX to restrict access.

DECISION OF THE DIRECTOR

After thorough research and consideration:

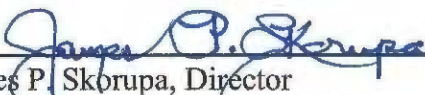
The parties in this IFFH presented testimony and documentation. The laws and regulations are clear in this matter that Pamela Hess has standing as provided standing as Surface Owner as provided for in Section 45.1-361.30 of the Virginia Gas and Oil Act. Truck traffic, noise, devaluation of her property, royalty payments, and being deprived of the use of her land are issues or concerns that are not included in the laws and regulations for Gas and determined by other parties and by not DGO. Permit application # 48647 does meet the requirements specified in: 4VAC25-150-560 CCBM Well application; 4VAC25-150- 600 setback requirement from inhabited buildings: 4VAC-150-610 Casing requirements to protect water string; and according to mine projections. The application meets regulatory requirements for issuance.

Based on testimony and the permit application, it is, therefore, the decision of the Director to deny objections to permit Application 48674 for operations CBM AA36A W/PL. The Permit Application for operations CBM AA36A W/PL will be assessed and issued under standard Division of Gas and Oil permit procedures.

Right of Appeal

Any person with standing under §45.1-361.30 who is aggrieved by this decision of the Director may appeal the decision to the Virginia Gas and Oil Board by filing a petition with the Board within ten days following the decision (§45.1-361.36). No petition or appeal may raise any matter other than matters raised by the Director or which the petitioner put in issue either by application or by objections, proposals, or claims made and specified in writing at the informal fact finding conference.

Signed Thursday, September 16, 2021


James P. Skorupa, Director
Virginia Division of Gas and Oil

Audio of the IFFH Hearing was e-mailed out to the Board Members on 1-5-22.

POCAHONTAS GAS LLC

PO Box 570
Pounding Mill, VA 24637
Phone: 276-596-5137

June 2, 2021

Mr. Phil Skorupa, Director
Department of Mines, Minerals and Energy
Division of Gas and Oil
135 Highlands Drive
Lebanon, VA 24266

Re: CBM Well Application AA36A

Dear Mr. Skorupa;

Pocahontas Gas LLC is requesting a unit location exception for the above referenced proposed well. The proposed well is strategically placed to de-gas the Buchanan Mining Company, 6 South Panel development headings, in the Pocahontas 3 Seam. This well is necessary for the safety of the underground mining personnel. This will be the third CBM well in the drilling unit. The proposed well is approximately 75 feet outside of the drilling window. Fiberglass casing will be installed across the Pocahontas 3 Seam to facilitate mining. A borehole directional survey will be conducted prior to the completion of the well.

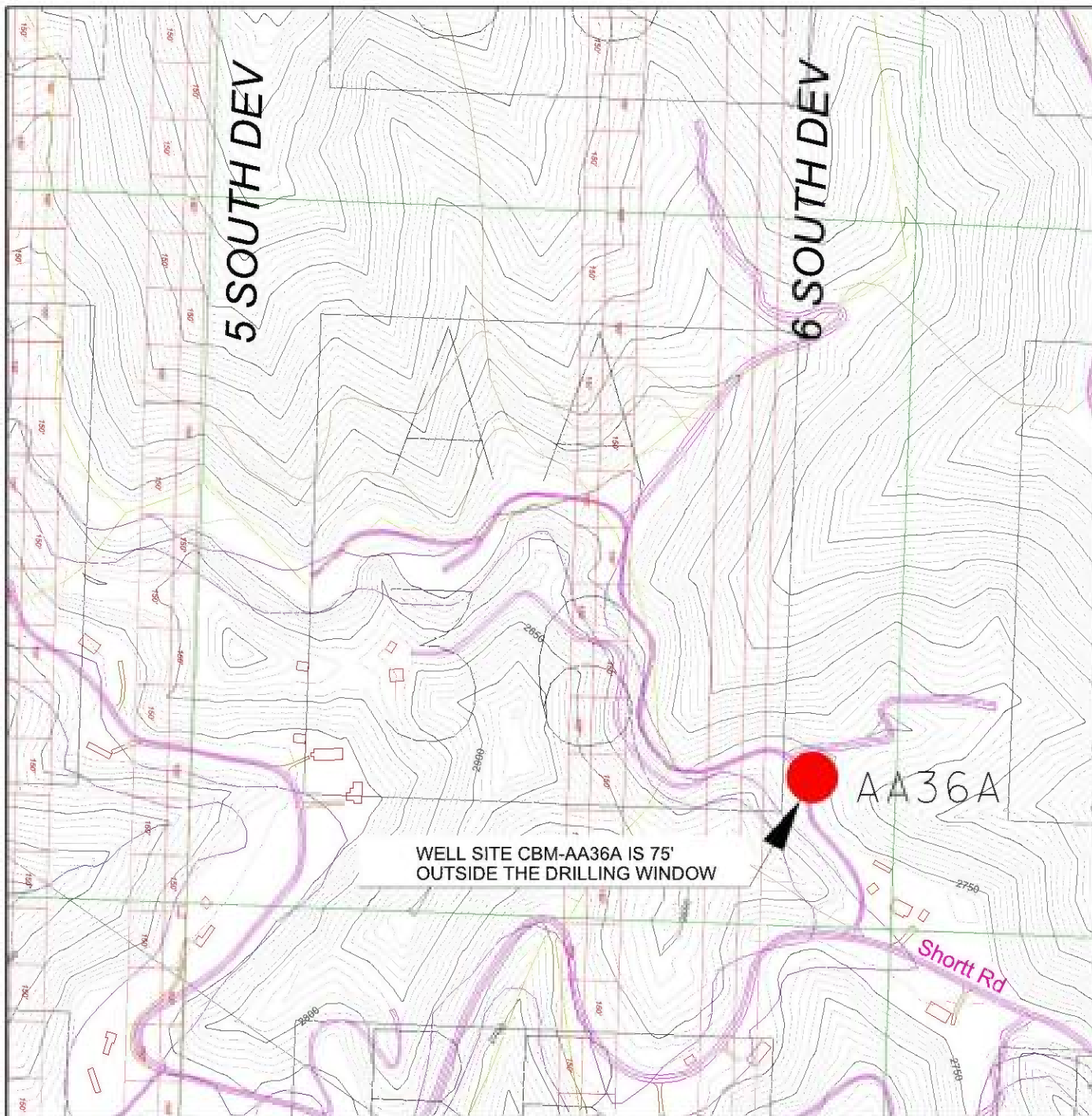
Therefore, based on these conditions, we hereby request a drilling unit location exception be granted for this well; for the prevention of waste of the natural resource, to protect correlative rights of the gas owners, and maximize the recovery of gas reserves beneath the unit. (see attached exhibit).

Sincerely,

Bob Staton

Bob Staton, M.S., P.G.
Permitting Agent III

Cc: Sherri Scott, file AA36A



LOCATION EXCEPTION EXHIBIT

WELL NO. CBM-AA36A

SCALE: 1" = 400'

DATE: 6-2-2021

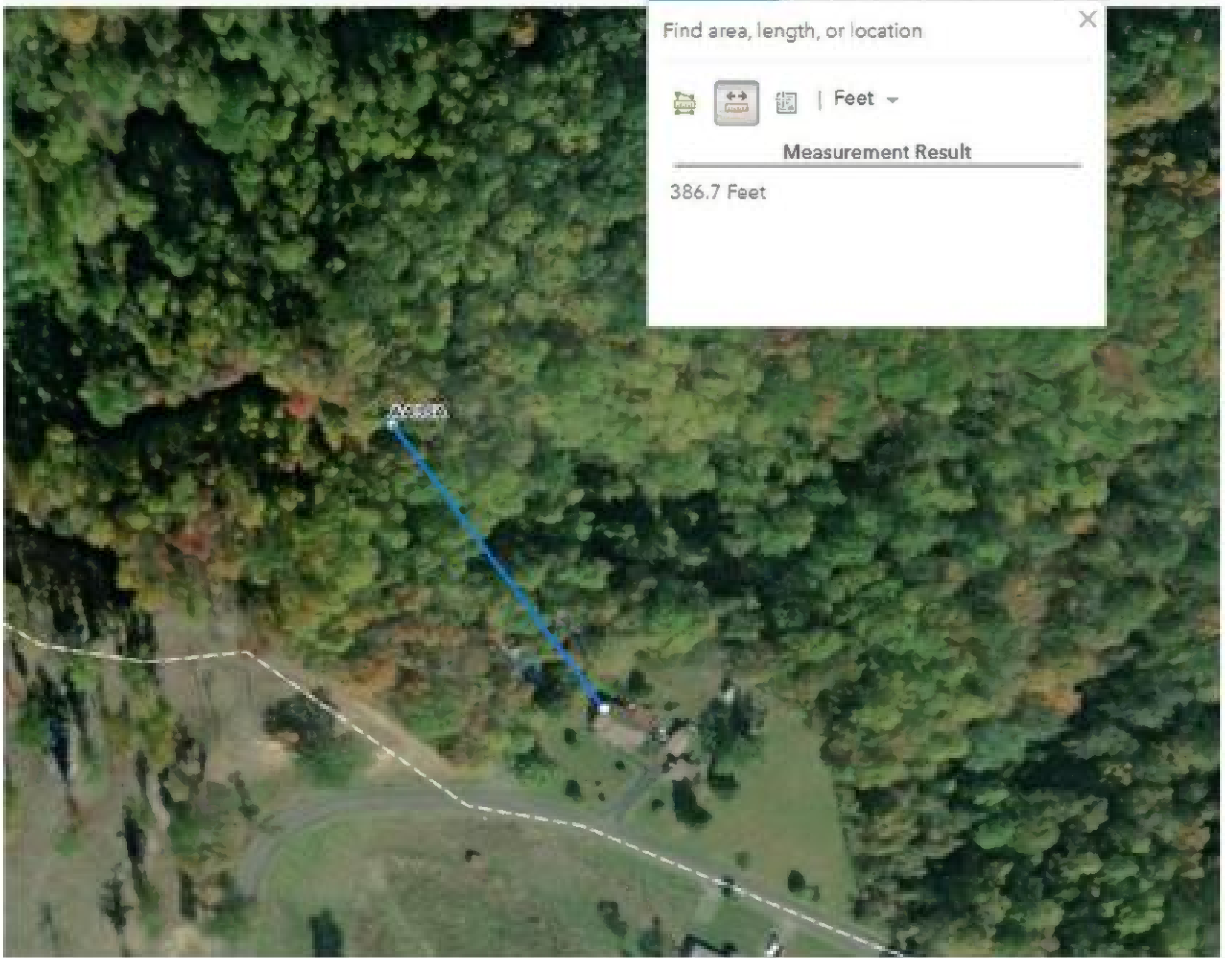
POCAHONTAS GAS LLC
P.O. BOX 570
POUNDING MILL, VA 24637

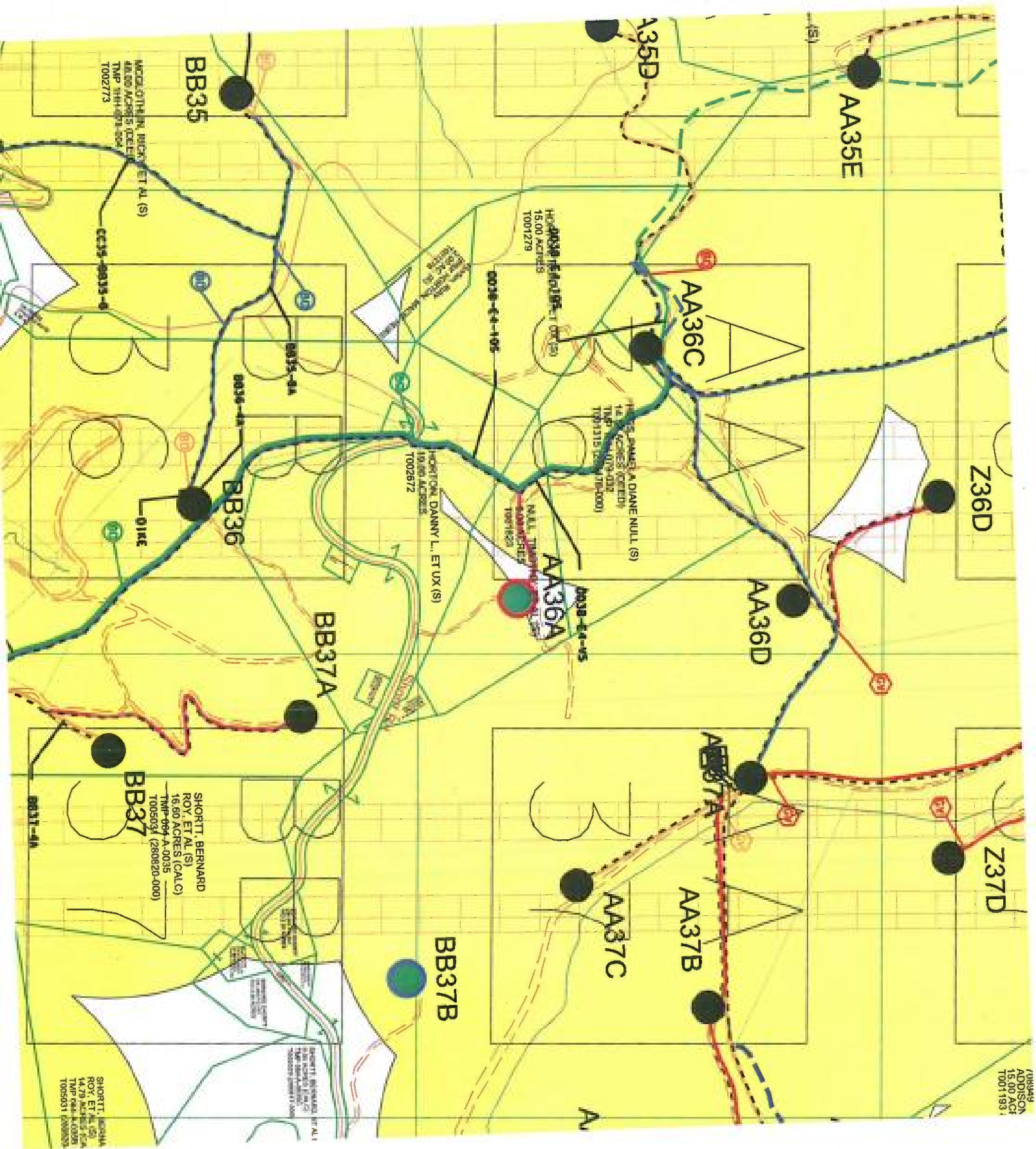
DRAWN BY: PSD

FILE: LOC-EXCEPTION-AA36A



CORONADO
BUCHANAN NO. 1 MINE 6 SOUTH PANEL - P3 SEAM







ENVIRONMENTAL MONITORING, INCORPORATED

ENVIRONMENTAL CONSULTANTS ▲ ANALYTICAL LABORATORIES

P.O. BOX 1190 ▲ NORTON, VIRGINIA 24273 ▲ 276/679-6544

July 14, 2021

Ms. Beverly Webb

Pocahontas Gas LLC
P.O. Box 570
Pounding Mill, VA 24637

RE: CBM-AA36A
EMI Project 743.6724

Dear Ms. Webb:

On June 24, 2021 Environmental Monitoring, Inc. conducted a groundwater inventory in an area surrounding proposed well CBM-AA36A. This inventory consisted of collecting samples from the nearest groundwater source and domestic water supplies within a 1320' radius of the proposed well.

This water supply inventory was performed by Brandon Baker of EMI. The nearest groundwater found on the date was a domestic spring located 240' north east of proposed location. Structures shown within 1320' radius utilize public water, no longer exist or is a building. The certificate of analysis is included for your review.

Should you have questions concerning this project, please feel free to contact me at 888-2EMILAB.

Respectfully submitted,

Environmental Monitoring, Inc.

A handwritten signature in black ink, appearing to read "Steve Williams".

Steve Williams
Project Manager

attachments

743.6724

CBM-AA36A



Data use subject to license.

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www.delorme.com



OIL AND GAS GROUNDWATER SURVEY
ENVIRONMENTAL MONITORING, INC.
5730 INDUSTRIAL PARK ROAD, NORTON, VA 24273
888-2EMILAB

DATE: 6.24.21
 PROJ. #: 743,6724
 WELL #: CBM-AA36A
 SAMPLED BY: B. BAKER

MAP ID NO.	MPID NO.	DESCRIPTION	WELL TOTAL DEPTH	G.P.M. SPRING	DISTANCE & DIRECTION FROM PROPOSED WELL	COMMENTS
1	-	LEONARD HESS (RESIDENCE)	-	-	590' S.E.	SEE 1A (ALSO UTILIZES PSA)
1A	0010709	LEONARD HESS SPRING	-	0.50	240' N.E.	SAMPLED
2	-	JOSH RICHARDSON	-	-	1110' N.W.	PUBLIC WATER ONLY
3	-	CHRIS HORTON	-	-	890' S.E.	PUBLIC WATER ONLY
4	-	ROBERT PERKINS	-	-	900' S.W.	PUBLIC WATER ONLY
5	-	DANNY HORTON (RESIDENCE)	-	-	990' S.W.	SEE 5A (ALSO UTILIZES PSA)
5A	0010708	DANNY HORTON SPRING	-	POND	710' S.W.	SAMPLED
6	-	NO LONGER EXISTS	-	-	1320' S.W.	NO SAMPLE
7	-	BUILDING	-	-	1280' W.	NO SAMPLE

ADDITIONAL COMMENTS: Memorandums are placed at locations with no one home or no answer explaining the reason of the visit.

****NOTE** MPID# 0010708 – SAMPLED PONDAGE. THE POND IS FED UNDERNEATH AND IS NO VISIBLE FLOW PER LAND OWNER**

SITE VISIT FORM

Visit Date: 6-24-21 Map ID # 1 + 1A Proj. # 743.6429 Gas Well ID CBM-AA36A
Name: Leonard Hess Contact Time: _____
Address: 475 Shortts Rd. Present at Interview: yes
Raven, VA 24639
Phone: 276-964-6321 Owner: Same

WATER SOURCE: Public water in Residence Distance from residence: _____ Direction from residence: Residence = 37.15102
MPID # DO 10709 LOCATION: _____ Distance from proposed gas well: _____ Direction from proposed gas well: -81.89349
2,671
Spring water used as backup source + outdoor use Elevation _____ GPS (LL27/dec. deg.): Lat. _____ Long. _____

WATER WELL INFORMATION METHANE READING: _____ % LEL, LOCATION: _____
Drilled or Hand Dug _____ Total Depth: _____ Year Drilled: _____
Static Water Level _____ How Measured: _____ Casing material and length _____
Where is the well (well house, outside, buried, etc) _____ Is well vented: _____
Describe well cap (ex. expandable plug): _____ Type of pump _____
Who Drilled: _____ Drillers log available from owner? _____
Permission to ask drilling company for copy of drill log? _____
Signature for copy of drill log: _____
Type of Filter: _____ Model #: _____ Year Installed: _____
Sample Location (s) (outside tap, kitchen, aerator removed, pre-filter, etc): _____

SPRINGS

Flow Rate: 0.50 How Measured: observed Protected (explain how?) yes - Spring box
Treatment on Spring (explain): NONE Sample Location: below Spring box. pipe NOT
Flowing

QUALITY INFORMATION

OWNER/ History of ^{Spring} Well (describe low flow times/plenty of water/well dry, etc) never gone dry / has
^{Spring} USER COMMENTS: Well Water use (consumption/agricultural/household)? Backup source / outside use low
Taste (describe) good Odor (describe) NONE
Stains (describe) NONE Tested before/when? 5/2017
Does owner have additional water source (describe) yes - Public water in Residence
Additional owner/user comments: Send copy of lab results
Field technician observations/comments: _____
Person Conducting Interview: Brandon Baker Interviewers Signature: [Signature]
Owner/User Signature: _____



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Certificate of Analysis

Page: 1 of 2

Client Name: POCAHONTAS GAS LLC
 Address: 1000 CONSOL ENERGY
 CANONSBURG, PA 15317

EMI No. 52565
 Sample Identification: 743.6724 Leonard Hess Spring (MPID 0010709)

Site Description: CBM-AA36A (FRAC)

Report Date: 07/13/2021
 Lab Sample No.: 1871712
 Client No.: 743
 EMI Project No.: 6724
 Date Received: 06/24/2021
 Date Collected: 06/24/2021
 Time Collected: 1100
 Sample Matrix: AQ
 Collected By: BAKER, BRANDON

Flow if Available (GPM):	0.5	Depth if Available (Ft):		Temp if Available (C):	17.0	Analysis Package Code:	VBGI	Type of Sample:	Grab
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Case Narrative: The analysis of EMI sample number 1871712 was obtained under standard operating conditions unless otherwise indicated. For QA Flag descriptions see attachment.

Summary of Analytical Results

Method Parameter	Sample Result	Units	MDL	RL	Date Analyzed	Time Analyzed	Analyst
EPA 1664 A 1999							
Hexane Extractable Material-SPE	BDL	mg/l	2.80	5.00	6/29/2021	1000	THR
EPA 200.7 Rev 4.4 1994							
Calcium, Total	6.07	mg/l	0.063	0.500	6/25/2021	1351	AWM
Iron, Total	1.51	mg/l	0.0080	0.050	6/25/2021	1728	AWM
Magnesium, Total	4.36	mg/l	0.050	0.500	6/25/2021	1351	AWM
Manganese, Total	0.314	mg/l	0.0050	0.050	6/25/2021	1728	AWM
Sodium, Total	2.02	mg/l	0.074	0.500	6/25/2021	1351	AWM
EPA 300.0 Rev 2.1 1993							
Chloride	1.43 J	mg/l	0.762	5.00	6/29/2021	1830	THR
Sulfate	10.6	mg/l	1.28	5.00	6/29/2021	1830	THR
Field Observation							
Bubbles (Not NELAP)	0				6/24/2021	1100	FLD
Effervescence (Not NELAP)	0				6/24/2021	1100	FLD
Odor (Not NELAP)	0				6/24/2021	1100	FLD
Sediment (Not NELAP)	0				6/24/2021	1100	FLD
Water Color (Not NELAP)	0				6/24/2021	1100	FLD
SM 2310B-2011							
Acidity to pH 8.3	BDL	mg/l CaCO3	4.00	4.00	6/25/2021	1347	THR
SM 2320B-4c-2011							
Alkalinity	24.1	mg/l CaCO3	4.00	4.00	6/25/2021	1110	THR
SM 2340 B-2011							



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Certificate of Analysis

07/13/2021 Page: 2 of 2

EMI No. 52565
Sample Identification: 743.6724 Leonard Hess Spring (MPID 0010709)

Lab Sample No.: **1871712**

Summary of Analytical Results
Summary of Analytical Results - Continued

Method Parameter	Sample Result	Units	MDL	RL	Date Analyzed	Time Analyzed	Analyst
SM 2340 B-2011 Hardness, Total (by Calculation)	33.1	mg/l CaCO ₃	0.363	1.00	6/25/2021	1414	AWM
SM 2510B-2011 Conductivity	84.0	umhos/cm	10.0	10.0	6/28/2021	1418	JLW
SM 2540 C-2011 Total Dissolved Solids	50.0	mg/l	1.00	1.00	6/25/2021	1228	THR
SM 2540 D-2011 Total Suspended Solids	10.1	mg/l	1.00	1.00	6/28/2021	1222	MLS
SM 4500-H+B-2011 pH (Not NELAP)	5.80	STD			6/24/2021	1100	FLD
SM 9223 B-2004-Colilert Coliform, Total	POS	Pos/Neg			6/24/2021	1615	RSV

END OF EMI SAMPLE NUMBER 1871712 CERTIFICATE

To the best of our knowledge and belief, the collection, preservation, and analysis of all parameters represented by this report have been determined to comply the requirements as specified in 40 CFR, Part 136 unless indicated otherwise. This report may not be reproduced except in full, without the written approval of the laboratory.



VA Laboratory ID#: 460038
WV Laboratory ID#: 105
KY Laboratory ID#: 98012
EPA Laboratory ID#: VA00010

The release of this report is authorized by: _____


R. J. Porter
Technical Director

Client Sample Results

Client: Environmental Monitoring, Inc.
Project/Site: Environmental Monitoring

Job ID: 400-205361-1

Client Sample ID: 1871712 LEONARD HESS SPRING

Lab Sample ID: 400-205361-1

Date Collected: 06/24/21 11:00

Matrix: Water

Date Received: 06/30/21 12:40

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		0.00100	0.000750	mg/L			07/06/21 13:01	1
Methane	0.00438		0.00100	0.000500	mg/L			07/06/21 13:01	1
Propane	ND		0.00500	0.00170	mg/L			07/06/21 13:01	1

Eurofins TestAmerica, Pensacola

AA36A

HESS, PAMELA DIANE NULL (S)
14.54 ACRES (DEED)

AA36A

NULL, TIMOTHY, ET AL (S)
9.00 ACRES

Google Earth

800 ft

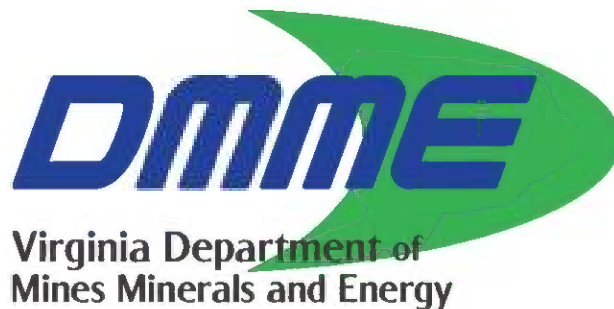


Virginia Division of Gas and Oil

3405 Mountain Empire Road
Big Stone Gap, VA 24219

Telephone: (276) 415-9700
Fax: (276) 523-8121

James P. Skorupa
-Director, Gas and Oil



By Decision of the Director in

Informal Fact Finding Conference 1018

Pamela Hess

vs.

Pocahontas Gas LLC

Permit Application for Gas and Oil operations:

Coalbed/Pipeline Operations CBM AA36A W/PL, Application 48674

Background

Coalbed/Pipeline operations CBM AA36A W/PL, Application 48674, Pocahontas Gas LLC was received at the Virginia Division of Gas and Oil (DGO) on 6/25/2021. The evidence regarding the application and objections filed support the fact that the objections were timely and appropriate under Virginia statute.

The objections filed by **Pamela Hess** against the permit application **#48674** were in accordance with objections provided by law under §45.1-361.35.

§45.1-361.35. Objections to permits; hearing

- B. The only objections to permits or permit modifications that may be raised by Surface Owners are:
2. There are not measures (in addition to the requirement for a well's water-protection string) necessary to protect fresh water-bearing strata.
 4. The location of the coalbed methane well or coalbed methane well pipeline would unreasonably infringe on the surface owner's use of the surface. Note: This is only considered grounds to object, if a reasonable alternative site is available within the unit, and granting the objection will not materially impair any right contained in an agreement, valid at the time of the objection, between the surface owner and the operator or their predecessors or successors in interest.

Hearing Date and Place

IFFH 1018 was convened on Tuesday, August 17, 2021 at 10:00 AM, at DMME Big Stone Gap. All parties with standing to object to Permit Application #48674 were notified of the time and place by United States Postal Service, certified mail, return receipt requested.

I. TESTIMONY BY THE APPLICANT

The applicant presented testimony by way of exhibits containing evidence of well location, drainage of surface water, water analysis results, property lines and mining projections. Pocahontas Gas testifies that application number 48647 is in compliance with all state and local regulations and necessary for mine safety.

I. TESTIMONY BY THE SURFACE OWNER

Pamela Hess as a Surface Landowner filed an objection to Permit Application # 48647 for CBM AA36A located in Buchanan County that has been submitted by Pocahontas Gas, LLC. The summary of the landowner's objections are: (1) the location of the well is too close to her home, a mobile home she owns on the property, and a road, (2) the well will affect her spring and pond located on her property, (3) located on flat land and deprives her of its use, (4) extra truck traffic, (5) noise (6) devaluation of her property, (7) royalty payments for use of the property, and (8) promised a gate by CNX to restrict access.

DECISION OF THE DIRECTOR

After thorough research and consideration:

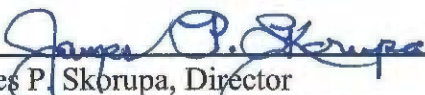
The parties in this IFFH presented testimony and documentation. The laws and regulations are clear in this matter that Pamela Hess has standing as provided standing as Surface Owner as provided for in Section 45.1-361.30 of the Virginia Gas and Oil Act. Truck traffic, noise, devaluation of her property, royalty payments, and being deprived of the use of her land are issues or concerns that are not included in the laws and regulations for Gas and determined by other parties and by not DGO. Permit application # 48647 does meet the requirements specified in: 4VAC25-150-560 CCBM Well application; 4VAC25-150- 600 setback requirement from inhabited buildings: 4VAC-150-610 Casing requirements to protect water string; and according to mine projections. The application meets regulatory requirements for issuance.

Based on testimony and the permit application, it is, therefore, the decision of the Director to deny objections to permit Application 48674 for operations CBM AA36A W/PL. The Permit Application for operations CBM AA36A W/PL will be assessed and issued under standard Division of Gas and Oil permit procedures.

Right of Appeal

Any person with standing under §45.1-361.30 who is aggrieved by this decision of the Director may appeal the decision to the Virginia Gas and Oil Board by filing a petition with the Board within ten days following the decision (§45.1-361.36). No petition or appeal may raise any matter other than matters raised by the Director or which the petitioner put in issue either by application or by objections, proposals, or claims made and specified in writing at the informal fact finding conference.

Signed Thursday, September 16, 2021


James P. Skorupa, Director
Virginia Division of Gas and Oil

Pamela Hess
475 Shortts Road
Raven, VA 24639
276.964.6321

June 28, 2021

Virginia Gas and Oil Inspector
Division of Gas and Oil,
3405 Mountain Empire Rd
Big Stone Gap, VA 24219

RE: CBM AA36A

To whom it may concern,

I have received notification of a proposed gas well to be placed on my land. I am filing a letter of opposition to the placement of this gas well since it will be directly above my spring box and a pond. In past years, my neighbors had to rely on clean water to be hauled to their homes because gas wells had diminished or totally eliminated their water supplies. Records will show that I never had to have water delivered to my home and my spring was basically the only one left flowing. Also, during the past seasons, my pond was the only source of water for the wildlife in this area. I have maintained the forest on my property for more than 50 years and want to keep it maintained as a habitat for wildlife. I own appoximately 23 acres in Buchanan County with only one small, usable piece of flat land

remaining. The area for this well is on that flat parcel consisting of approximately 1/4+ acres. Also, of concern to me and anyone I may try to sell this land to, it is about 300 feet from my bedroom. Not only will the pumping noise of the well disturb me tremendously, it will also greatly reduce the resale value of my property.

This parcel of land was bartered back from CNX because of one of their errors in logging a right of way across the wrong place on my property. CNX gave me a release for this parcel for the damage they caused. The release is recorded in Grundy, VA. If they secure this parcel, not only did I lose some desired timber but will be forced to surrender this land for nothing. It would appear to be a win-win for the gas company.

As stated in my objections above, this well will greatly interfere and reduce my enjoyment and use of my land. I met with the DMMA over this same parcel a few years back. With the attorney fees I paid then, it seems like this will be a recurring expensive practice from the gas company. It was agreed at that time that the gas company would build a road across the edge of this parcel and put the same gas well on their property. I thought it had all been settled. That proposal would be bad for me, but not nearly as damaging as a well within 10 feet of my road and 300 feet from my bedroom. I really don't know why we are back debating this issue.

I greatly appreciate your concern in this matter. If you need to speak with me concerning this matter, please call 276-9646321.

Sincerely,

Pamela Hess
Pamela Hess,

Leonard Hess

Leonard Hess

Dear
475 Shontel Rd
Raven, VA 24639

CHARLESTON WV 250

30 JUN 2021 PM 4 L



Virginia Gas & Oil Corporation
Division of Gas and Oil
3405 Mountain Empire Road
Big Stone Gap, VA 24219

24219-463905





