

west virginia department of environmental protection

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

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

Friday, November 1, 2019 WELL WORK PLUGGING PERMIT Vertical Plugging

CORNERSTONE MINING, LLC 200 CAPITOL STREET

CHARLESTON, WV 25301

Re:

Permit approval for D-5 47-055-00068-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: D-5

Farm Name: POCA LAND CORP.

U.S. WELL NUMBER: 47-055-00068-00-00

Vertical Plugging Date Issued: 11/1/2019

Promoting a healthy environment.

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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.

WW-4B Rev. 2/01

1) Date August 26	, 20 <u>19</u>
2)Operator's	
Well No.494521673	
3)API Well No. 47-	055 - 00068

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

APPLICATION FOR A PER	MIT TO PLUG AND ABANDON
	d injection/ Waste disposal/
(If "Gas, Production Δ or Un	derground storage) Deep/ Shallow X
5) Location: Elevation2700	Watershed Crane Creek
District Rock	County Mercer Quadrangle Crumpler
6) Well Operator Cornerstone Mining, LLC	7) Designated Agent Derrick Kegley
Address 150 Courthouse Rd, Suite 302	Address 150 Courthouse Rd, Suite 302
Princeton, WV 24740	Princeton, WV 24740
8) Oil and Gas Inspector to be notified	9)Plugging Contractor
Name Gary Kennedy	Name Keystone Wireline Inc.
Address 66 Old Church Lane	Address 380 Southpointe Blvd, Suite 300
Pipestem, WV 25979	Canonsburg, PA 15317
hole with wireline to determine top of cent Pull casing out of hole. Run cement cement plug from top of 4-1/2" casin plug up to 2,766'. Set cement plug f (100' below 8-5/8" casing). Set cem	t bond log across 8-5/8" casing. Set ag cut to 100' above casing cut. Set gel from 2,766' to 2,566'. Set gel plug up to ent plug from 640' to 440'. If ing (based upon bond log). Set cement
Notification must be given to the district o work can commence.	il and gas inspector 24 hours before permitted Office of Oil and Gas
Work order approved by inspector GARY K	CNNCOY Date
by phone.	WV Department of Environmental Protection



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

QuadrangleCrimpler
Permit No. MER-68

Rotary_X	Oil
Cable	GasX
Recycling	Comb
Water Flood	
Disposal	

man a comment of the					(Kind)
Company Texas International Pe	etroleum Co	T Pasing and	Used in	Left	Cement fill up
Address Charleston, West Virgin	nia	Tubing	Drilling	in Well	Cu. ft. (Sks.)
FarmPocahontas Land Corp. Ac	res 135 • 37				
Location (waters) West Fork of Cra	<u>ane Cre</u> ek	Size			
Well No. D-5 Ele	w 2665.07" ·	20.16			0 4
District Rock County Me	ccer	Cond.16"	24'	24'	Conductor.
The surface of tract is owned in fee by		13-10"			
Forahontas Land Corporation		9 5/8		546:	10
Address Bluefield, West Virgin	<u>ia</u>	8 5/8	540	540'	Cemented w/375 sacks. Cemented
Mineral rights are owned by Pocahontas	Land	7			to surface.
Corn. Address Bluefield	Va.	5.1/2			1
12/7/77		4 1/2	4757'	4/5/	100 sacks.
Drilling Completed 12/16/77 Drilling Completed 12/16/77		3 .			1
Initial open flowcu. ft	hhls	2			
Final production 539M cu. ft. per day	hble	Liners Used		<u> </u>	
Well open 8 hrs. before test	OUU BB				
	ــــــــــــــــــــــــــــــــــــــ	Attach copy of c	ementing reco	rd.	
Well treatment details: Ran gamma ray/collar log.	DDTD 47111	Spotted	500 gall	ons 15%	HC1.
Ran gamma ray/collar log.	FBID 471L	Sported	Jou Barre	o Moi =	with statio
Perforated 4612'-22', 2SPF,	21 shots.	Loaded ho	le: broke	O sand	and 55 000#
head. Fraced w/797 barrels	gelled wat	er. 15,00	U# 80/ 10	U Salid	and 33,000#
20/40 sand. AIR 42.5 BPM.	ATP 1300 PS	SI. ISIP v	acuum		
Coal was encountered at 150'-152', 1	97:-199: . 2	3491-3531	Inche	:\$	
Fresh water 70', 175' Fe	et	Cale I	U-stor		Feet
On during Cood WC-10		Depti	456	3'	
Producing Sand WEIR		Depti	456	3 '	
Houseng Sales	Top Feet	Depti	456.	3.	• Remarks
Formation Color Hard or Soft	Top Feet	Depti Bottom Feet	456	3.	
Formation Color Hard or Soft Stirface Sand & Shale	0	Bottom Feet	456	r Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale	0 20	Bottom Feet	456	r Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand	0 20 65	Bottom Feet 20 65 137	456	r Water	• Remarks
Formation Color Hard or Soft Sturface Sand & Shale Sand & Shale Sand Sand	0 20 65 137	Bottom Feet	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Sand Coal	0 20 65	Bottom Feet 20 65 137 150	456	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Sand Coal Sand	0 20 65 137 150	Bottom Feet 20 65 137 150 152 197 199	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Sand Coal Sand Coal	0 20 65 137 150 152	Bottom Feet 20 65 137 150 152 197 199 225	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Sand Coal Sand	0 20 65 137 150 152 197 199 225	20 65 137 150 152 197 199 225 243	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Sand Coal Sand Coal Shale	0 20 65 137 150 152 197 199 225 243	Depth Bottom Feet 20 65 137 150 152 197 199 225 243 349	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Sand Coal Sand Coal Shale Shale Shale	0 20 65 137 150 152 197 199 225 243 349	Depth 20 65 137 150 152 197 199 225 243 349 353	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Sand Coal Sand Coal Shale Shale Shale Sand Coal	0 20 65 137 150 152 197 199 225 243 349 353	Depth 20 65 137 150 152 197 199 225 243 349 353 585	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Sand Coal Sand Coal Shale Shale Sand Sand Coal Shale Shale Shale Shale Shale Shale Shale Sand Sand Sand Sand Sand	0 20 65 137 150 152 197 199 225 243 349 353 585	Depth 20 65 137 150 152 197 199 225 243 349 353 585 742	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Strrface Sand & Shale Sand & Shale Sand Coal Sand Coal Shale Shale Sand Sand Coal Shale Shale Shale Shale Shale Shale Shale Sand Sand Coal Shale Shale	0 20 65 137 150 152 197 199 225 243 349 353 585 742	Depth 20 65 137 150 152 197 199 225 243 349 349 353 585 742 887	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Coal Sand Coal Shale Shale Sand Coal Shale Shale Shale Sand Coal Shale Shale Red Rock & Shale	0 20 65 137 150 152 197 199 225 243 349 353 585 742 887	Depth Bottom Feet 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898	Oil, Gas o	, Water	• Remarks
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Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Coal Sand Coal Shale Shale Sand Sand Coal Shale Sand Sand Coal Shale Sand Sand Coal Shale Shale Shale Shale Shale Shale Shale Red Rock & Shale Sand Shale Sand Shale Sand Shale Sand	0 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302	Depth Bottom Feet 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Coal Sand Coal Shale Shale Sand Sand Coal Shale Shale Sand Sand Coal Shale Sand Sand Coal Shale Shale Shale Shale Shale Shale Shale Shale Shale Sand Shale Sand Shale Sand	0 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421	Depth Bottom Feet 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Coal Sand Coal Shale Shale Shale Sand Coal Shale Sand Sand Coal Shale Sand Sand Coal Shale Shale Shale Shale Shale Shale Shale Shale Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale	0 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421 1486	Depth 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421 1486 1553 1584	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Streface Sand & Shale Sand & Shale Sand Coal Sand Coal Shale Shale Sand Sand Coal Shale Sand Sand Shale Shale Shale Shale Shale Shale Shale Sand	0 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421	Depth Bottom Feet 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421 1486 1553 1584 1633	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Stirface Sand & Shale Sand & Shale Sand Coal Sand Coal Shale Shale Sand Coal Shale Sand Sand Coal Shale Sand Shale Sand	0 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421 1486 1553 1584 1633	Depth Bottom Feet 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421 1486 1553 1584 1633 1711	Oil, Gas o	, Water	• Remarks
Formation Color Hard or Soft Surface Sand & Shale Sand & Shale Sand Coal Sand Coal Shale Shale Sand Coal Shale Sand Shale Sand Sand Coal Shale Sand Shale Shale Shale Shale Shale Sand	0 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421 1486 1553 1584	Depth Bottom Feet 20 65 137 150 152 197 199 225 243 349 353 585 742 887 898 935 1302 1421 1486 1553 1584 1633	Oil, Gas o	, Water	• Remarks

 $\sigma_{ij}(t) \approx \omega_{ij}(t) \approx \delta_{ij}(t) + \delta_{i$

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale Shale Upper Maxton Sand Sand, Shale & Red Rock Sand Sandy Shale Sand Sand & Shale Red Rock Little Lime Shale Sand & Shale Big Lime Sand & Shale Weir Sand	1809 2315 2330 2356 2484 2706 2739 2844 2853 2962 3051 3111 3129 3201 3232 3296 3465 4274 4563 4647	2315 2330 2354 2484 2706 2739 2844 2853 2962 3051 3111 3129 3201 3232 3296 3465 44563 4647 4775	T.D.	
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· · · · · · · · · · · · · · · · · · ·		 -	February 21	. 1978

Date_	February 21,	, 19 <u>78</u>
approved <u>Div</u>	ision Manager	, Owner
Ву	(Title)	

WW-4A Revised 6-07

RECEIVED Office of Oil and Gas

SEP 2 7 2019

WV Department of

Date: <u>August 26, 2019</u>
 Operator's Well Number

494521673

3) API Well No.: 47 -

055 - 00068

Environmental Protection STATE OF WEST VIRGINIA

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

4)	Surface Own	er(s) to be served:	5) (a) Coal Operator	
•	(a) Name	Pocahontas Land Corp	Name	Cornerstone Mining, LLC
	Address	800 Princeton Avenue	Address	150 Courthouse Road, Suite 302
		P.O. Box 1517		Princeton, WV 24740
	(b) Name	Bluefield, WV 24701	(b) Coal Own	ner(s) with Declaration
	Address		Name	Met Resources, LLC
			Address	P.O. Box 5064
				Princeton, WV 24740
	(c) Name		Name	
	Address		Address	
6)	Inspector	Gary Kennedy	(c) Coal Less	see with Declaration
	Address	66 Old Church Lane	 Name	Cornerstone Mining, LLC
		Pipestem, WV 25979	Address	150 Courthouse Road, Suite 302
	Telephone	304.382.8402		Princeton, WV 24740

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

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

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

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

Well Operator
By:
Derrick Kegley
Land Agent
Address

Address

Telephone

Telephone

Subscribed and sworn before me this

To Counthouse Road, Suite 302

Princeton, WV 24740

Telephone

Subscribed and sworn before me this

To Counthouse Road, Suite 302

Princeton, WV 24740

State of West Vignia State of

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 depprivacyoffier@wv.gov.

WW-4B

API No.	4705500068
Farm Name	
Well No.	D-5

RECEIVED Office of Oil and Gas

SEP 2 7 2019

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

WV Department of Environmental Protection

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

	WAIVER
has examined this proposed plugging work order	wner/ lessee/ of the coal under this well location. The undersigned has no objection to the work proposed to be or has complied with all applicable requirements of the West
Date:	By: Auhard Durwat Its MANAGER

WW-9 (5/16)

RECEIVED Office of Oil and Gas

API Number	47 - 055	_00068 🔑	
nerator's We	ell No		

SEP 2 7 2019

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

WV Department of FLUIDS/ CUTTINGS DIS	POSAL & RECLAMATION PLAN
0 1 1 1 0	OP Code
Watershed (HUC 10) Crane Creek	Quadrangle Crumpler
Do you anticipate using more than 5,000 bbls of water to com	plete the proposed well work? Yes No
Will a pit be used? Yes No ✓	
If so, please describe anticipated pit waste: N/A	
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Reuse (at API NumberOff Site Disposal (Supply form W	iit Number)
Will closed loop systembe used? If so, describe: One tank f	or fresh water, one tank for returns
Drilling medium anticipated for this well (vertical and horizon	
-If oil based, what type? Synthetic, petroleum, etc	
Additives to be used in drilling medium? None	
Drill cuttings disposal method? Leave in pit, landfill, remove	d offsite, etc. Fluids will be placed into thickening pond WV-006500
-If left in pit and plan to solidify what medium will b	e used? (cement, lime, sawdust)
-Landfill or offsite name/permit number? WDEP SI	MA – O-0136-83
West Virginia solid waste facility. The notice shall be provide	Gas of any load of drill cuttings or associated waste rejected at any and within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the West V provisions of the permit are enforceable by law. Violations of or regulation can lead to enforcement action. I certify under penalty of law that I have personal application form and all attachments thereto and that, based o	lly examined and am familiar with the information submitted on this in my inquiry of those individuals immediately responsible for o btaining ate, and complete. I am aware that there are significant penalties for or imprisonment.
My commission expires February 09, 202	Notary Public Notary Public State of West Virginia Jeremy Beheler Met Resources, LLC Perinceton, WV 24746 My, Commission Expires February 09, 2021

Operator's	W/011 7	No.		

Proposed Revegetation Treatment: Acres Disturbed 0.5	Preveg etation pH 5.0
Lime 1 Tons/acre or to correct to pH	4 6.0
Fertilizer type	
Fertilizer amount_450I	bs/acre
Mulch75Tons	/acre
	ed Mixtures
Temporary	Permanent
Seed Type lbs/acre Orchard Grass 20 lbs/ac.	Seed Type Ibs/acre Alsike Clover 3 lbs./ac
Weeping Lovegrass 3 lbs/ac	Annual Rye Grass 8 lbs/ac
Medium Red Clover 10 lbs/ac	
L, W), and area in acres, of the land application area.	cation (unless engineered plans including this info have been water volume, include dimensions (L, W, D) of the pit, and dimens
Maps(s) of road, location, pit and proposed area for land applic provided). If water from the pit will be land applied, provide w	cation (unless engineered plans including this info have been water volume, include dimensions (L, W, D) of the pit, and dimens
Maps(s) of road, location, pit and proposed area for land applied provided). If water from the pit will be land applied, provide w. L. W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet.	vater volume, include dimensions (L, W, D) of the pit, and dimens
Maps(s) of road, location, pit and proposed area for land applied provided). If water from the pit will be land applied, provide w. L., W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by:	vater volume, include dimensions (L, W, D) of the pit, and dimens
Maps(s) of road, location, pit and proposed area for land applied provided). If water from the pit will be land applied, provide w. L., W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by:	vater volume, include dimensions (L, W, D) of the pit, and dimens
Maps(s) of road, location, pit and proposed area for land applied provided). If water from the pit will be land applied, provide w. L., W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by:	vater volume, include dimensions (L, W, D) of the pit, and dimens RECEIVED Office of Oil and Gas
Maps(s) of road, location, pit and proposed area for land applied provided). If water from the pit will be land applied, provide w. L., W), and area in acres, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by:	RECEIVED Office of Oil and Gas SEP 2 7 2019 WV Department of

WW-9-GPP Rev. 5/16

RECEIVED Office of Oil and Gas Page _____ of _____ Operator's Well No._

SEP 2 7 2019

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

W// Department of

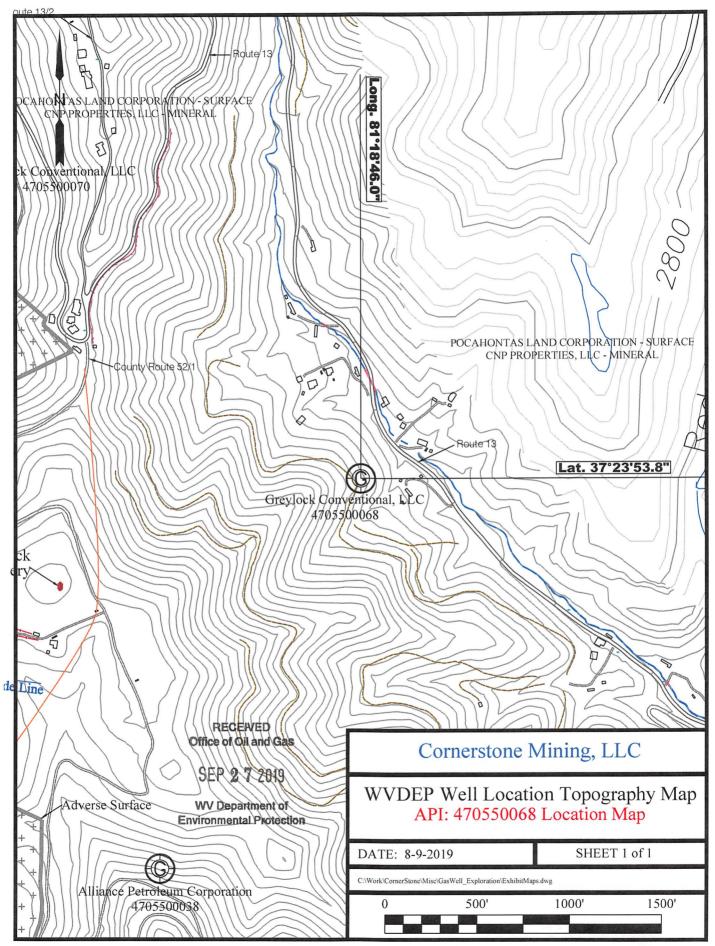
GROUNDWATER PROTECTION PLAN

Operator Name:			
	arm Name:		
١.		ge of fluids. Include a list of all operations that could contaminate the	
_	groundwater.	,e or nation. Include a list of all operations state continuous and	
L 2.	2. Describe procedures and equipment used to protect gro	undwater quality from the list of potential contaminant sources above.	
Γ			
L 3.	 List the closest water body, distance to closest water discharge area. 	body, and distance from closest Well Head Protection Area to the	
Γ			
L			
4.	4. Summarize all activities at your facility that are already	regulated for groundwater protection.	
	1		

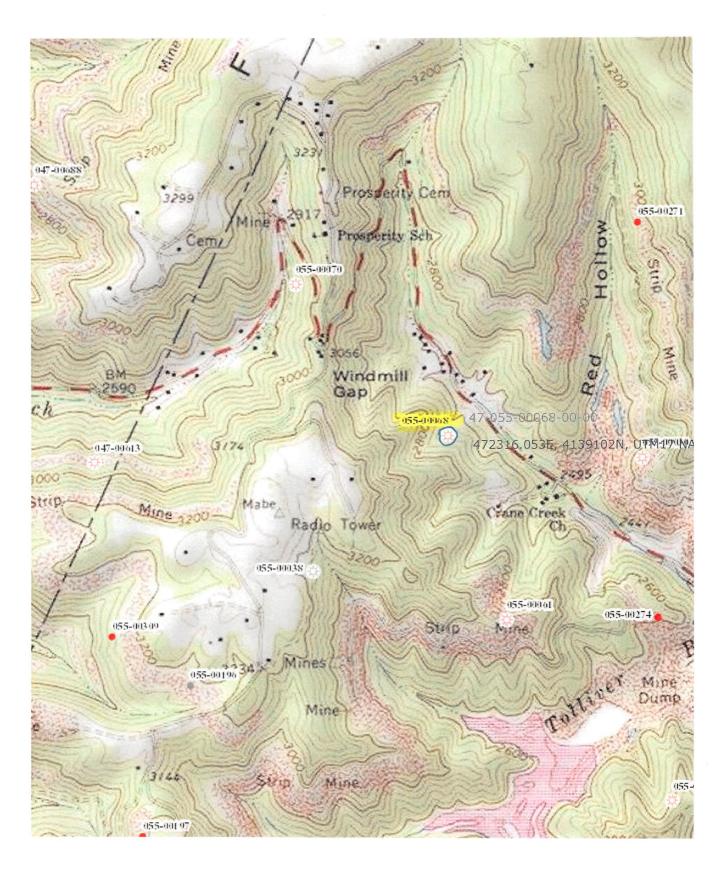
5. Discuss any existing groundwater quality data for your facility or an adjacent property.

WW-9- GPP Rev. 5/16	API Number 47 Operator's Well No			
6. Provide a statement that no waste material will be used for	deicing or fill material on the property.			
Cornerstone will not use any waste materials generated from t	he plugging of well for deicing or fill materials on the property.			
7. Describe the groundwater protection instruction and train provide direction on how to prevent groundwater contamin	ing to be provided to the employees. Job procedures shall nation.			
8. Provide provisions and frequency for inspections of all GPP elements and equipment.				
Signature: 77.3-15	RECEIVED Office of Oil and Gas			
Date: 4-23-19	SEP 2 7 2019			

WV Department of Environmental Protection







http://deparcgis1/ooggis/index.html?x=472316.053&y=4139102&datum=NAD83&pntla... 10/31/2019



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELLLO	CATION FORM. GIS				
{API:} 4705500068	WELL NO.:)-5			
FARM NAME: Pocahontas Land Corp					
RESPONSIBLE PARTY NAME: Cornerstone Mining, LLC					
COUNTY: Mercer	DISTRICT: Ro	ck			
QUADRANGLE: Crumpler	Quad	a.			
SURFACE OWNER: Pocahontas Land Corp					
ROYALTY OWNER: Pardee Minerals					
UTM GPS NORTHING: 4139	102.001				
UTM GPS EASTING: 472316		_{ION:} ±2700			
height above mean sea le 2. Accuracy to Datum – 3.0 Data Collection Method:	or a plugging permit or assigned A fas will not accept GPS coordinate e: 17 North, Coordinate Units: me evel (MSL) – meters.	API number on the es that do not meet eters, Altitude: RECEIVED Office of Oil and Gas			
Survey grade GPS NA: Post Pr	rocessed Differential	SEP 2 7 2019			
Mapping Grade GPS X : Pos	t Processed Differential NA al-Time Differential ±17'	WV Department of Environmental Protection			
4. Letter size copy of the topography map showing the well location. I the undersigned, hereby certify this data 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 Office of Oil and Gas.					
Di of	Land Agent	08/26/2019			
Signature	Title	Date			