



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, September 2, 2021
WELL WORK PERMIT
Vertical / Plugging

COASTAL DRILLING EAST, LLC
130 MEADOW RIDGE RD.

MT. MORRIS, PA 15349

Re: Permit approval for 47-033-31792
47-033-05998-00-00

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: 47-033-31792
Farm Name: HALL, W.L.
U.S. WELL NUMBER: 47-033-05998-00-00
Vertical Plugging
Date Issued: 9/2/2021

Promoting a healthy environment.

09/03/2021

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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.

09/03/2021

4703305998P

1) Date August 16, 202021
2) Operator's Well No. _____ White #1 _____
3) API Well No. 47-000-0000

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

5) Location: Elevation 1048.08' Watershed West Fork
District Union County Harrison Quadrangle Freeman Creek

6) Well Operator Coastal Drilling East, LLC 7) Designated Agent Kevin Wright
Address 61 Guston Run Rd. Address 61 Guston Run Rd.
Morgantown, WV 26501 Morgantown, WV 26501

8) Oil and Gas Inspector to be notified Name Sam Ward 9) Plugging Contractor Name Coastal Drilling East, LLC
Address P.O. Box 2327 Address 61 Guston Run Rd.
Buckhannon, WV 26201 Morgantown, WV 26501

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

CHANGE TO NO. 3 OF LOGGING PROCEDURE TO CLEAN OUT WELL BORE
30' BELOW THE PITTSBURGH COAL AND SET 8 5/8" CASING
THROUGH THIS COAL AND CEMENT TO SURFACE,
WELL IS NEAR GANTZ FORMATION STORAGE FIELD.

JWH

Bottom Hole WELL PLUG FROM '2539 - 2266' MAY BE DONE IN TWO STAGES IF NEEDED.

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

Work order approved by inspector [Signature] Date 8/31/2021

09/03/2021



"A Shaft Drillers International Company"

Coastal Drilling East LLC • 130 Meadow Ridge Road, Mt. Morris, PA 15349

Phone 304-296-1120 Fax 304-413-0061

4703305998A

1. Notify Inspector Specialist, David Scranage, (304) 380-3749, Allen Flowers (304) 552-8308 and Samuel Ward (304) 389-7583 - 24 hrs. prior to commencing operations.
2. Remove barn and excavate around well and remove existing wooden conductor. Install 20' of 24 conductor pipe and cement in if necessary.
- ★ 3. Clean out well bore to a minimum of ~~120'~~ and set 8 5/8" casing and cement to surface to control possible storage field pressure. WOC a minimum of 8 hours. ≈ 250'
4. Install Blowout Preventer on 8 5/8" casing and pressure test.
5. TIH and clean-out well bore with 6% Gel to an estimated total depth of 2539'.
6. TOH and lay down drill string and run in hole with tubing string and set a minimum 100' bottom hole plug estimated from 2539' - ~~2439'~~ TOH and WOC.
7. Set a minimum ~~173'~~ cement plug from 2439' to ~~2266'~~ across the casing seat of the 5 1/2" casing. TOH and WOC.
8. TIH and tag cement plug at ~~2266'~~. Set 6% Gel spacer from ~~2266'~~ to 1885'. Set a minimum 100' cement plug from 1885' to 1785' across existing 5 1/2" casing seat. TOH and WOC. *** well record indicates that there was gas shut off between packers set 78' apart thence, isolating gas in the Gordon Sand***.
9. TIH and tag cement plug at 1785'. Set 6% Gel spacer from 1785' to 1098'. Set a minimum 100' cement plug from 1098' to 998' covering elevation and the gas sand indicated on well record. TOH and WOC.
10. TIH and tag cement plug at 998'. Set 6% gel spacer from 998' to 860'. Set a minimum 100' cement plug from 860' to 700' covering the Dunkard Sand. TOH and WOC.
11. TIH and tag cement plug at 700'. Set 6% Gel spacer from 700' to 450' set minimum 100' cement plug from 450' to 350' TOH and WOC.
12. TIH and tag cement plug at 350'. Set minimum 100' cement plug from 268' to 168' covering the Pittsburgh Coal. TOH and WOC.
13. TIH and tag cement plug at 168'. Set 6% Gel spacer from 168' to 100'. Set 100' cement plug from 100' to surface.
14. Erect a minimum 6" diameter monument 10' in the ground and 30" above ground with API number attached.
15. Reclaim location and road to WV-DEP specifications.

MAY BE
DONE W/ ONE
PLUG FROM 2539'
TO 2266'

SDW
8/31/2021

47-033-05998 P



09/03/2021

AFFIDAVIT OF PLUGGING AND FILLING WELL

470330

5498P

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. ONE COPY MAILED TO THE DEPARTMENT. ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Central Midland Coal Co. Inc. William Cassady
COAL OPERATOR OR OWNER NAME OF WELL OPERATOR
 Box 687 - Weston, W. Va. 4303 Whited Dr. - Vienna, W. Va.
ADDRESS COMPLETE ADDRESS
 December 20, 1961
COAL OPERATOR OR OWNER WELL AND LOCATION
 Union District
 Harrison County
LEASE OR PROPERTY OWNER
 Well No. 2
 H. L. Hall Farm
ADDRESS

STATE INSPECTOR SUPERVISING PLUGGING Hoy C. Day

AFFIDAVIT

STATE OF WEST VIRGINIA.

County of Boone } ss:

William Cassady and Charles Cassady being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by William Cassady, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 29th day of November, 1961, and that the well was plugged and filled in the following manner:

BAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
	2" Tubing		2539	None
1835 - 1830	Ripped 5-3/16 Casing		1835	534
1830 - 1925	Stone			
1825 - 1815	5 ft. clay to hold cement			
	10 ft. neat cement			
1815 - 1810	5 ft. stone			
	Pulled 6-5/8 Casing		1818	None
1910 - 1720	Clay			
1720 - 1715	5 ft. crushed stone			
1715 - 1705	10 ft. neat cement			
	Ripped 8-5/8 casing		1030	89
1030 - 1025	5 ft. stone			
1025 - 1020	Clay			
1020 - 1010	10 ft. neat cement			
1010 - 1005	5 ft. stone			
1005 COAL EXPOSED	Clay & cavens			
(NAME) 263	Set permanent bridge	DESCRIPTION OF MONUMENT		
(NAME) 263-248	5 ft. stone; 5 ft. clay; 5 ft. stone	Erected pipe marker, cemented ground base. Name of farm, well number & completion date marked		
(NAME) 248-191	Neat cement	in cement on top of pipe		
(NAME) 191-0	Clay to surface			

and that the work of plugging and filling said well was completed on the 15th day of December, 1961.

And further deponents saith not.

William Cassady
Charles Cassady

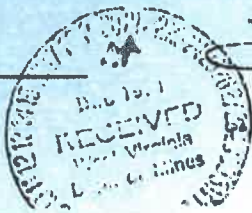
Sworn to and subscribed before me this 20th day of December, 1961.

My commission expires:

Mar 12, 1968

Notary Public.

Permit No. 1172





4703305998P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle _____

Permit No. HAR-1792-A

WELL RECORD

Oil or Gas Well _____ (RING)

Company William Cassady
Address 4901 W 9th Ave., Vienna, W. Va.
Farm W. L. Hall Acres _____
Location (waters) _____
Well No. 2 Elev. _____
District Union County Harrison
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			
10		275	Size of _____
8 3/4		1119	
6 3/4		1818	Depth set _____
5 3/16		2369	
7			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hra.
Oil _____ bbls., 1st 24 hra.

CASING CEMENTED _____ SIZE _____ No. Ft _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED _____

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh Coal			211	218			
Dunkard Sand			750	810			
Gas Sand			1022	1075			
Red Rock			1480	1610			
Little Lime			1630	1640			
Big Lime			1650	1720			
Big Injun			1720	1775			
Fifty Foot			2172	2195			
Stray Sand			2260	2300			
Gordon Sand			2316	2360			
Fifth Sand			2515	2523			
Total Depth				2539			



Shown 1.6" Mercury 1" in Gordon Sand. Gas shut off in rock with packers, one above and one below. 9-25 repacked with two packers 78' between packers.

09/03/2021



Select County: (033) Harrison
 Enter Permit #: 031792

 Select datatypes: (Check All)
 Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/ShowWater Logs Btm Hole Loc

- [Table Descriptions](#)
- [County Code Translations](#)
- [County Name to State](#)
- [County Number to State](#)
- [County Name](#)
- [County Abbreviation](#)
- [Disclaimer](#)
- [WVGES Map](#)
- [Creating a Map](#)

WV Geological & Economic Survey

Well: County = 33 Permit = 031792

Report Time: Monday, August 16, 2021 12:58:20 PM

Location Information: [View Map](#)

API COUNTY PERMIT TAX DISTRICT QUAD_75 QUAD_16 LAT_DD Lon_DD UTMN UTMN
 4703331792 Harrison 31792 Union 39.150703 -80.530939 589830.7 4333601.6

There is no Bottom Hole Location data for this well

Owner Information:

API CMP_DT SUFFIX STATUS SURFACE_OWNER WELL_NUM CO_NUM LEASE LEASE_NUM MINERAL_OWN OPERATOR AT COMPLETION PROP_YD PROP_TRGT_FH TFM_EST_FR
 4703331792 -- Original Loc. Completed W.L.Hall 2

Completion Information:

API CMP_DT SPUD_DT ELEV DATUM FIELD DEEPEST_FM DEEPEST_FMT INITIAL_CLASS FINAL_CLASS TYPE RIG CMP_MTHD TWD THD NEW_FTG KOD Q_BEF O_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF TL_BEF P_AFT TL_AFT BLP_BEF BLP_AFT G_MSRD_BY
 4703331792 -- -- 1048 Ground Level Jandorville Ham-shale Exp. Filth unclassified unclassified Gas Cable Tool Nat/Cash 2539 2539 0 0 0 0 0 0 0 0 0 0 0 0 0 0

There is no Pay data for this well

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM QUALITY	DEPTH_TOP	DEPTH	QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV DATUM
4703331792	Original Loc	Pittsburgh coal	Well Record	211	Reasonable	7	Reasonable	1048	Ground Level
4703331792	Original Loc	Mahoning S&B Big Dunk	Well Record	759	Reasonable	60	Reasonable	1048	Ground Level
4703331792	Original Loc	Lillis Lime	Well Record	1630	Reasonable	10	Reasonable	1048	Ground Level
4703331792	Original Loc	Big Lime	Well Record	1650	Reasonable	70	Reasonable	1048	Ground Level
4703331792	Original Loc	Big Lime (undiff)	Well Record	1700	Reasonable	25	Reasonable	1048	Ground Level
4703331792	Original Loc	Flint (undiff)	Well Record	2172	Reasonable	25	Reasonable	1048	Ground Level
4703331792	Original Loc	Gordon Shaly	Well Record	2266	Reasonable	40	Reasonable	1048	Ground Level
4703331792	Original Loc	Gordon	Well Record	2316	Reasonable	44	Reasonable	1048	Ground Level
4703331792	Original Loc	Filth	Well Record	2515	Reasonable	8	Reasonable	1048	Ground Level

There is no Wireline (E-Log) data for this well

Plugging Information:

API PLO_DT DEPTH_PBT
 4703331792 12/15/1981 0

There is no Sample data for this well

4703305998P

WW-4A
Revised 6-07

1) Date: 8/16/2021
2) Operator's Well Number _____
White #1 _____

3) API Well No.: 47 - 033 - 05998

**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>Jay C. & Karen Hayhurst</u>	Name <u>N/A</u>
Address <u>5138 Kincheloe Road</u>	Address _____
<u>Jane Lew, WV 26378</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
_____	_____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name <u>N/A</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>(304) 389-7583</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.

	Well Operator <u>Coastal Drilling East, LLC</u>
	By: <u>Kevin Wright</u> <i>Kevin D. Wright</i>
	Its: <u>Division Manager</u>
	Address <u>61 Guston Run Rd.</u>
	Telephone <u>(304) 291-0175</u>

Subscribed and sworn before me this 16th day of Aug, 2021
Thomas J. Sullivan Notary Public
My Commission Expires 09/15/22

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.

SURFACE OWNER WAIVER

4703305998P

Operator's Well
Number

White #1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

Jay Aayhen
Signature

Date 6-30-21

Name _____
By _____
Its _____
Date _____

Signature

Date

09/03/2021

WW-4B

API No. 47-033-05998 P
Farm Name W.L. Hall
Well No. White #1

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

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 than 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

The undersigned coal operator _____/ owner _____/ lessee _____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

09/03/2021

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Coastal Drilling East, LLC OP Code _____

Watershed (HUC 10) West Fork Quadrangle Freemans Creek

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 (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Yes. Gel will be circulated from tank through wellbore and returned back to tank.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Fresh water gel and/or cement

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

Additives to be used in drilling medium? Bentonite, Bicarbonate of Soda

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

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

-Landfill or offsite name/permit number? Meadowfill Landfill - Permit #SWF 1032

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 April 1, 2016, 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.

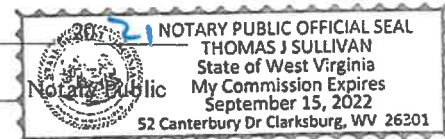
Company Official Signature Kevin S. Wright

Company Official (Typed Name) Kevin Wright

Company Official Title Division Manager

Subscribed and sworn before me this 16th day of Aug
Thomas J. Sullivan

My commission expires 09/15/22





"A Shaft Drillers International Company"

Coastal Drilling East LLC • 130 Meadow Ridge Road, Mt. Morris, PA 15349

Phone 304-291-0175 Fax 304-413-0061

4703305998P

August 16, 2021

Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

To Whom It May Concern:

As per the Division of Environmental Protection, Office of Oil and Gas request, Coastal Drilling East, LLC submits the following procedures utilizing pit waste.

Upon submitting a well work application (without general permit for Oil and Gas Pit Waste Discharge Application) Coastal Drilling East, LLC **will construct no pits** but instead will use mud tanks to contain all drilling fluids.

Once the well is completed, the material will be trucked to the Waste Management – Meadow Fill Landfill in Meadowbrook, WV. Permit #SWF1032.

If you have any questions regarding this matter please contact me at 304-291-0175

Sincerely,

Kevin Wright
Division Manager
Coastal Drilling East, LLC

09/03/2021

Operator's Well No. White #1

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

See Attached

See Attached

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: COG Inspector

Date: 8/31/2021

Field Reviewed? () Yes () No

4703305998

CAUDILL SEED • 1864 E MAIN HWY 68 HOUSE #2 • MOREHEAD KY 40351 • PHS # 4923



NOTICE TO CONSUMERS

Notice: Additional information required by several states. Under the seed laws of several states, information, including, or otherwise is required as a prerequisite to marketing a seed. Such information is based upon the nature of seed, to which this notice is attached, to produce as represented. The consumer (with the exception of AR, FL, GA, MS, SD, TX, WA; and only CA, IA, MO, OK) along with the required seed law, as applicable with the Department Director/Secretary of Agriculture, Seed Commissioner (CA, or Chief Agricultural Officer with such title as to permit inspection of the crops, plants, or trees by the designated agency and the seedman from whom the seed was purchased. A copy of the complaint shall be sent to the seller by certified or registered mail or otherwise provided by state statute.

RYEGRASS COASTAL SEED 2015
LOT NO: 741888
CRP: 58
NET WT 50
THERT: 1.56
NEED SEED .26

KIND: ANNUAL RYEGRASS
ORCHARD GRASS
COATING MATERIAL: PERENNIAL RYEGRASS
CLOVER
COATING MATERIAL: TIMOTHY
TREATMENT: BROS/COT/TREEDL
COATING MATERIAL: LARDING CLOVER
COATING MATERIAL: SEMINOLE

ORG	PURE	DEHN	HARD	DOHN	TEST
OR	29.38				10/16
OR	11.39	85.00			8/16
OR	8.68	95.00			8/16
OR	14.48	95.00			8/16
OR	12.48	95.00			8/16
OR	3.48	95.00			8/16
OR	1.91	95.00			8/16
OR	3.17	95.00	7.00		8/16
OR	1.70	95.00	25.00		8/16

NOTICE TO BUYER: WE WARRANT THAT SEEDS WE SELL WILL CONFORM TO THE LABEL DESCRIPTION REQUIRED UNDER STATE AND FEDERAL LAWS. WITHIN RECORDED TOLERANCES. WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHERWISE, WHICH WOULD EXTEND BEYOND SUCH DESCRIPTIONS, AND IN ANY EVENT OUR LIABILITY FOR BREACH OF ANY WARRANTY OR CONTRACT WITH RESPECT TO SUCH SEED IS LIMITED TO THE PURCHASE PRICE OF SUCH SEEDS.

Seed Treatment
NOXIOUS WEEDS PER LG

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

Operator Name: Coastal Drilling East, LLC
Watershed (HUC 10): West Fork Quad: Freemans Creek
Farm Name: W.L. Hall

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

4. Summarize all activities at your facility that are already regulated for groundwater protection.

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

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

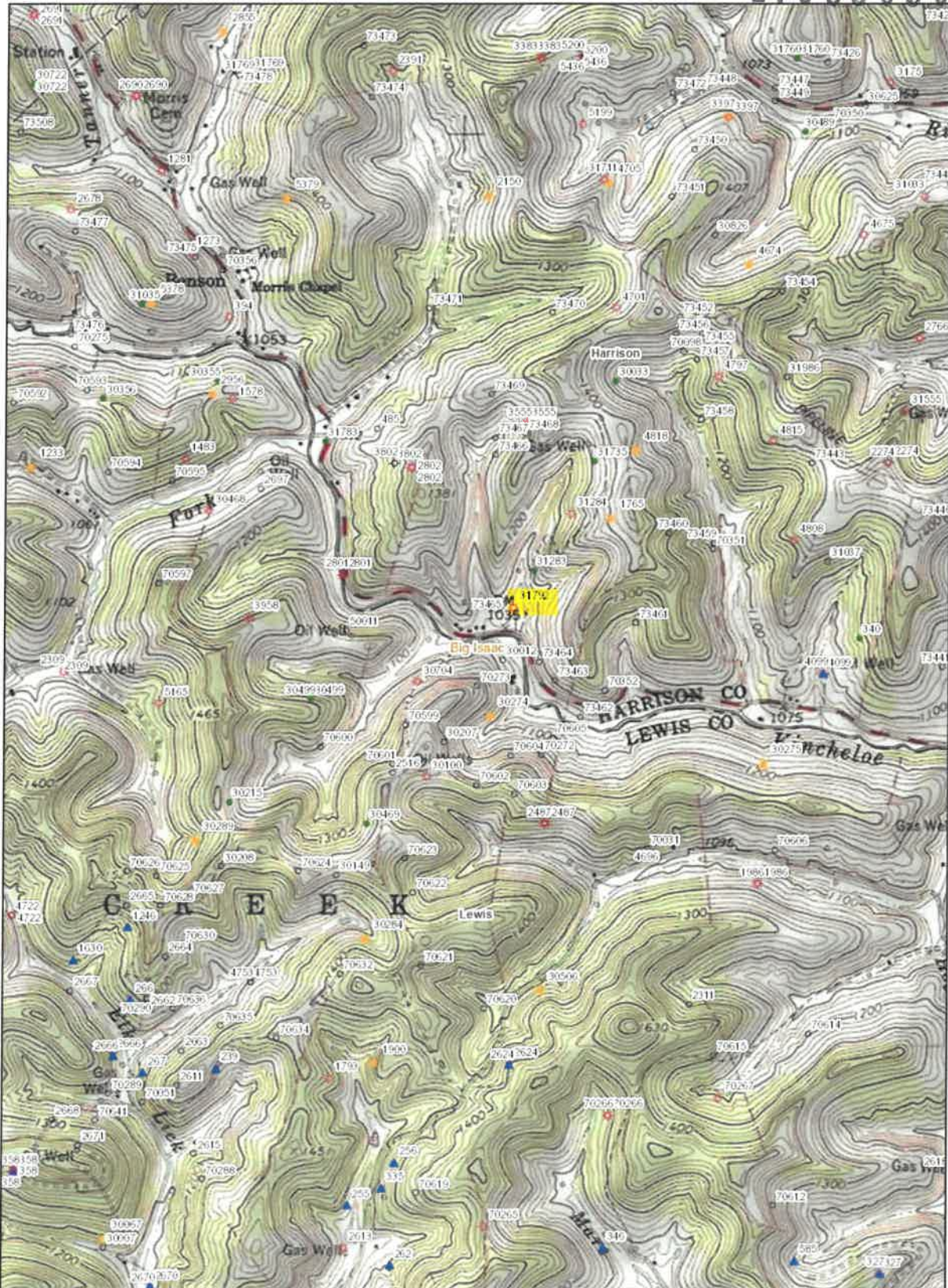
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Signature: Mark S Wright

Date: 8/16/21

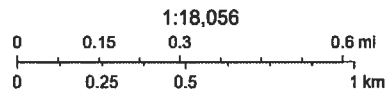
WV Oil & Gas Wells (WVOG)

4703305998P



8/16/2021, 1:05:41 PM

- Individual Wells
- Other (including Permits)
 - ◊ Gas
 - Oil
 - Oil and Gas Combination
 - ◇ Dry
 - ▲ Service
- Labels (7.5' Quadrangles)
- ◻ 7.5' Quadrangles
 - ◻ State Boundary
 - ◻ Counties
 - ◻ County Labels



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The West Virginia Geological and Economic Survey (WVGES)
West Virginia Geological and Economic Survey (WVGES)

4703305998

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-033-05998 WELL NO.: White #1

FARM NAME: W.L. Hall

RESPONSIBLE PARTY NAME: Coastal Drilling East, LLC

COUNTY: Harrison DISTRICT: Union

QUADRANGLE: Big Isaac

SURFACE OWNER: Jay C. & Karen Hayhurst

ROYALTY OWNER: Hall & White Heirs

UTM GPS NORTHING: 4333588.0

UTM GPS EASTING: 539785.0 GPS ELEVATION: 1048.08'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____

Mapping Grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____

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.

Karen S. Wright
Signature

Division Manager
Title

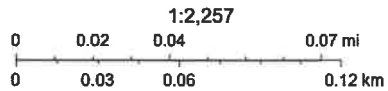
8/16/21
Date

09/03/2021



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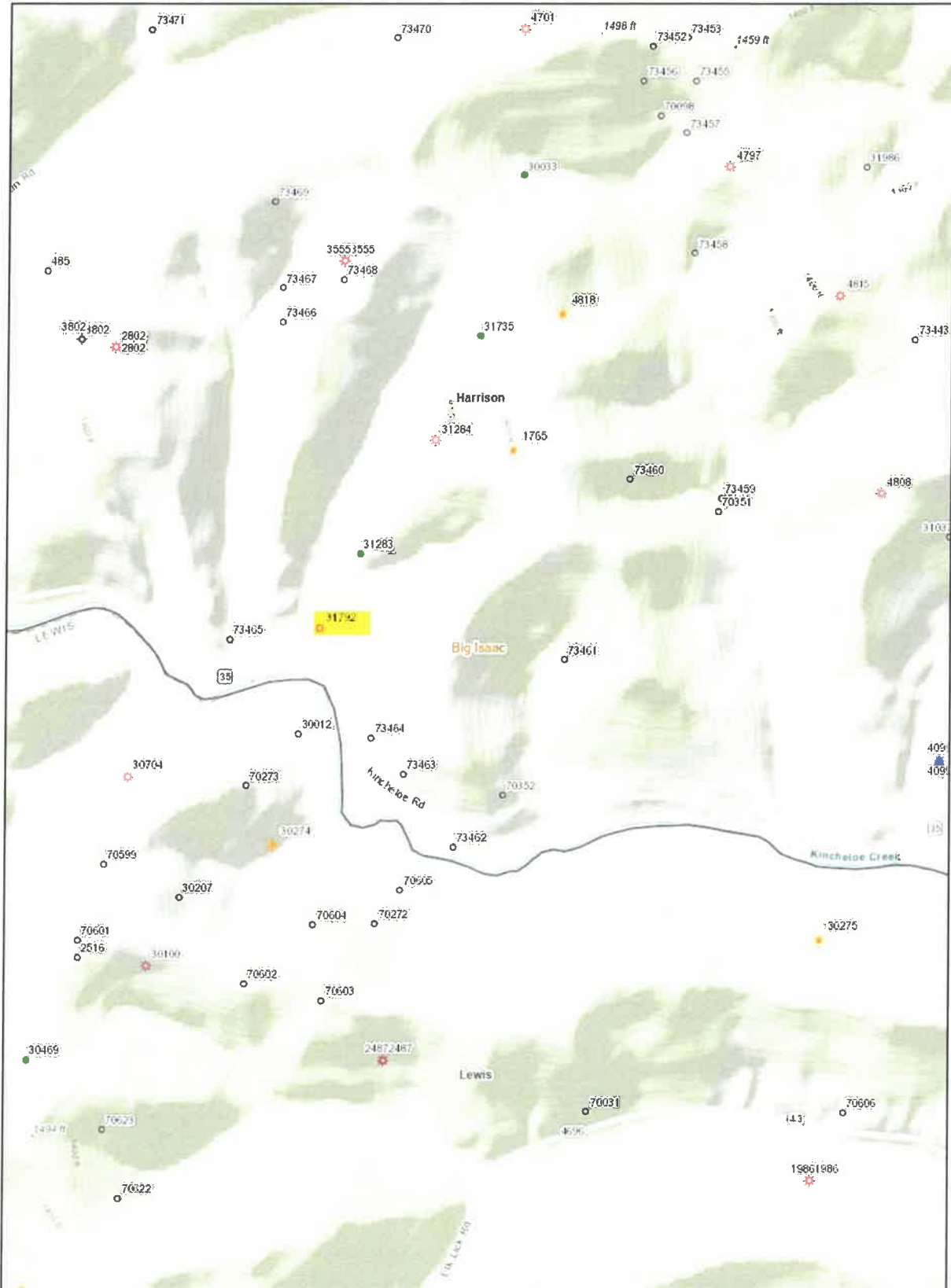
- Individual Wells**
- ↖ Gas
 - Oil
 - Oil and Gas Combination
 - ◇ Dry
 - ▲ Service
 - Other (including Permits)
- Labels (7.5' Quadrangles)**
- 7.5' Quadrangles
 - State Boundary
 - Counties
 - County Labels



Maxar, Microsoft
 The West Virginia Geological and Economic Survey (WVGES)
 West Virginia Geological and Economic Survey (WVGES)

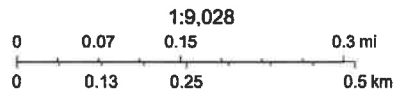
WV Oil & Gas Wells (WVOG)

4703305998P



8/16/2021, 1:09:15 PM

- Individual Wells
- ★ Gas
 - Oil
 - Oil and Gas Combination
 - ◆ Dry
 - ▲ Service
 - Other (including Permits)
- Labels (7.5' Quadrangles)
- 7.5' Quadrangles
 - State Boundary
 - Counties
 - County Labels



VITA, West Virginia GIS, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA
 The West Virginia Geological and Economic Survey (WVGES)
 West Virginia Geological and Economic Survey (WVGES)

PERFORMANCE BOND

4703305998P

KNOW ALL MEN BY THESE PRESENTS:

That Coastal Drilling East LLC, 130 Meadow Ridge Road, Mt. Morris, PA 15349
(Contractor name, complete address including ZIP Code and legal title)
 as Principal, hereinafter called Contractor, and Euler Hermes North America Insurance Company / Everest Reinsurance Company
(Surety name and complete address including ZIP Code)
800 Red Brook Blvd., Owings Mills, MD 21117 / 477 Martinsville Rd., Liberty Corner, NJ 07938 a corporation organized and existing under
 the laws of the State of Maryland / Delaware, with its principal office in the City of Owings Mills, MD / Liberty Corner, NJ
 as Surety, hereinafter called Surety, are held firmly bound unto West Virginia Department of Environmental Protection, Administrative
(Owner name, complete address including ZIP Code and legal title)
Services, 601 57th Street, SE, Charleston, WV 25304
 as Oblige, hereinafter called Owner, in the amount of One Hundred Forty Thousand Nine Hundred Fifty Six and 00/100
 Dollars (\$140,956.00), for the payment whereof Contractor and Surety bind themselves, their heirs, executors,
 administrators, successors, and assigns, jointly and severally, firmly by these presents.
 WHEREAS, Contractor has by written agreement dated February 22, 2021
 entered into a contract with Owner for Plugging Project API #47-033-05998
White #1, ARFQ DEP2100000032
 in accordance with drawings and specifications prepared by _____

which contract is by reference made a part hereof, and is hereinafter referred to as the CONTRACT.
 NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if Contractor shall, promptly and faithfully Perform and CONTRACT,
 then this obligation shall be null and void, otherwise it shall remain in full force and effect.
 The Surety hereby waives notice of any alteration or extension of time made by the Owner.
 Whenever Contractor shall be, and declared by Owner to be in default under the CONTRACT, the Owner having performed Owner's obligations
 thereunder, the Surety may promptly remedy the default, or shall promptly:
 1. Complete the CONTRACT in accordance with its terms and conditions, and
 2. Shall save the Owner harmless from any claims, judgments, or liens arising from the Surety's failure to either remedy the default or to
 complete the CONTRACT in accordance with its terms and conditions in a timely manner.
 No right of action shall accrue on this bond to or for the use of any person or corporation other than the Owner named herein or the successors of
 Owner.

Signed and sealed this * 26th day of February 2021

Principal Corporate Seal



Coastal Drilling East LLC (Seal)
(Contractor Name)

BY: [Signature], V.P. (Seal)

(Must be President, Vice President, Owner, Partner, Manager, Member, or other duly Authorized Agent)

James F. Cunningham - Vice President
(Title)

Euler Hermes North America Insurance Company / Everest Reinsurance Company
(Surety)

BY: [Signature] (Seal)
Andrew Bly, Attorney-in-Fact

Surety Corporate Seal



NOTE: Please attach Power of Attorney.

NOTE: Applicable sections of attached acknowledgments must be completed and returned as part of the bond.

*Power of Attorney must be certified on this date or later.

APPROVED AG 09-12-16

09/03/2021

ACKNOWLEDGMENTS

Acknowledgment by Principal if individual or Partnership

- 1. STATE OF _____
- 2. County of _____ to-wit: _____
- 3. I, _____, a Notary Public in and for the
- 4. county and state aforesaid, do hereby certify that _____
whose name is signed to the foregoing writing, has this day acknowledged the same before me in my said county.
- 5. Given under my hand this _____ day of _____ 20 _____
- 6. Notary Seal
- 7. _____
(Notary Public)
- 8. My commission expires on the _____ day of _____ 20 _____

Acknowledgment by Principal if Corporation

- 9. STATE OF _____
- 10. County of _____ to-wit: _____
- 11. I, _____, a Notary Public in and for the
- 12. county and state aforesaid, do hereby certify that _____
- 13. who as, _____ signed the foregoing writing for
- 14. a corporation, has this day, in my said county, before me, acknowledged the said writing to be the act and deed of the said corporation.
- 15. Given under my hand this _____ day of _____ 20 _____
- 16. Notary Seal
- 17. _____
(Notary Public)
- 18. My commission expires on the _____ day of _____ 20 _____

Acknowledgment by Surety

- 19. STATE OF Pennsylvania
- 20. County of Allegheny to-wit: _____
- 21. I, Lynnell Frank, a Notary Public in and for the
- 22. county and state aforesaid, do hereby certify that Andrew Bly
- 23. who as, Attorney-in-Fact signed the foregoing writing for
- 24. Euler Hermes North America Insurance Company / Everest Reinsurance Company a corporation,
has this day, in my said county, before me, acknowledged the said writing to be the act and deed of the said corporation.
- 25. Given under my hand this 26th day of February 20 21
- 26. Notary Seal
- 27. Lynnell Frank
Lynnell Frank (Notary Public)
- 28. My commission expires on the 22nd day of March 20 21

COMMONWEALTH OF PENNSYLVANIA
 NOTARIAL SEAL
 Lynnell Frank, Notary Public
 Robinson Twp., Allegheny County
 My Commission Expires March 22, 2021
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Sufficiency in Form and Manner of Execution Approved

Attorney General

This _____ day of _____ 20 _____.

By: _____
(Deputy Attorney General)

ACKNOWLEDGMENT PREPARATION INSTRUCTIONS

1. IF PRINCIPAL IS AN INDIVIDUAL OR PARTNERSHIP, HAVE NOTARY COMPLETE LINES (1) THROUGH (8).
2. IF PRINCIPAL IS A CORPORATION, HAVE NOTARY COMPLETE LINES (9) THROUGH (18).
3. SURETY MUST HAVE NOTARY COMPLETE LINES (19) THROUGH (28).
4. Notaries must:

ACKNOWLEDGMENT BY PRINCIPAL, IF INDIVIDUAL OR PARTNERSHIP

1. Enter name of State.
2. Enter name of County.
3. Enter name of Notary Public witnessing transactions.
4. Enter name of principal covered by bond if individual or partnership. (Must be Owner or General Partner of Sole Proprietorship or Partnership)
5. Notary enters date bond was witnessed. Must be the same as or later than signature date.
6. Affix Notary Seal.
7. Notary affixes his/her signature.
8. Notary enters commission expiration date.

ACKNOWLEDGMENT BY PRINCIPAL IF CORPORATION

9. Enter name of State.
10. Enter name of County.
11. Enter name of Notary Public witnessing transactions.
12. Enter name of Corporate Officer signing bond.
13. Enter Title of Corporate Officer signing bond. (Must be President or Vice President of Corporation; Manager or Managing Member of Limited Liability Company)
14. Enter name of Company or Corporation.
15. Notary enters date bond was witnessed. Must be the same as or later than signature date.
16. Affix notary Seal.
17. Notary affixes his/her signature.
18. Notary enters commission expiration date.

ACKNOWLEDGMENT BY SURETY

19. Enter name of State.
20. Enter name of County.
21. Enter name of Notary Public witnessing transactions.
22. Enter name of person having power of attorney to bind Surety Company.
23. Enter Title of person binding Surety Company.
24. Enter name of Insurance Company (Surety).
25. Notary enters date bond was witnessed. Must be the same as or later than signature date.
26. Affix Notary Seal.
27. Notary affixes his/her signature.
28. Notary enters commission expiration date.

POWER OF ATTORNEY INSTRUCTIONS

Power of attorney for surety must be attached showing that it was in full force and effect on signature date indicated on the face of the bond. A corporate seal must also be affixed to the Power of Attorney form.

- a. Name of attorney in fact must be listed.
- b. Power of Attorney may not exceed imposed limitations.
- c. Certificate date, the signature date of bond must be entered.
- d. Signature of authorizing official must be affixed. (Signature may be facsimile).
- e. **Seal must be affixed.**



14728

EULER HERMES NORTH AMERICA INSURANCE COMPANY
800 Red Brook Boulevard * Owings Mills, Maryland 21117

The number of persons authorized by this Power of Attorney is not more than:

6 **POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That EULER HERMES NORTH AMERICA INSURANCE COMPANY (EULER HERMES), a corporation organized and existing under the laws of the state of Maryland, does hereby nominate, constitute, and appoint the person or persons named below, each individually if more than one is named, its true and lawful attorney-in-fact, for and in its name, place, and stead to execute on behalf of EULER HERMES, as surety, any and all bonds, undertakings, and contracts of suretyship, or other written obligations in the nature thereof; provided that the liability of EULER HERMES on any such bond, undertaking, or contract of suretyship executed under this authority shall not exceed the limit stated below.

NAME	ADDRESS	LIMIT OF POWER
James L. Bly	1501 Reedsdale Street	Unlimited
Andrew Bly	Suite 3005	
Pamela L. Nunez	Pittsburgh, PA 15233	
Johnathan Byers		


This Power of Attorney revokes all previous powers issued on behalf of the attorney(s)-in-fact named above.

IN WITNESS WHEREOF, EULER HERMES has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunder affixed this 1st day of July, 2020.





James Daly, President and CEO-The Americas

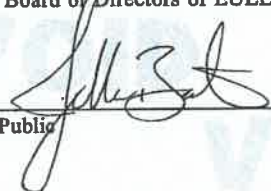


Keith Sherman, Senior Vice President and Chief Operating Officer-Surety

State of Maryland, County of Baltimore

On this 1st day of July, 2020, before me personally appeared Keith Sherman, to me known, being duly sworn, deposes and says that he resides in Phoenix, MD; that he is the Senior Vice President and Operating Officer-Surety of EULER HERMES, the Company described herein and which executed the above instrument; that he know the seal of EULER HERMES; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the Board of Directors of EULER HERMES; and that he signed his name thereto by like authority.





Notary Public

This Commission Expires April 4, 2023

This Power of Attorney is granted by authority of the following resolutions adopted by the Board of Directors of EULER HERMES NORTH AMERICA INSURANCE COMPANY (Company) by unanimous consent on October 1, 2015.

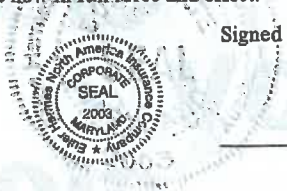
RESOLVED: That the President, Executive Vice President, Senior Vice President, Vice President, Secretary, Assistant Vice Secretary, and Senior Vice President and Chief Operating Officer-Surety, be and hereby are authorized from time to time to appoint one or more Attorneys-in-Fact to execute on behalf of the Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligation in the nature thereof; to proscribe their respective duties and all respective limits of their authority; and to revoke any such appointment at any time.

RESOLVED FURTHER: That the Company seal and signature of the aforesaid officers and may be affixed by facsimile to any Power of Attorney given for the execution of any bond, undertaking, contract of suretyship, or other written obligations in the nature thereof, such signature and seal when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as thought manually affixed.

CERTIFICATION

I, Keith Sherman, Senior Vice President and Chief Operating Officer-Surety of EULER HERMES NORTH AMERICA INSURANCE COMPANY, do hereby certify that the foregoing Power of Attorney and the Resolutions of the Board of Directors of October 1, 2015, have not been revoked and are now in full force and effect.

Signed and sealed this 26th day of February, 2021.





Keith Sherman, Senior Vice President and Chief Operating Officer-Surety

09/03/2021



**POWER OF ATTORNEY
EVEREST REINSURANCE COMPANY
DELAWARE**

KNOW ALL PERSONS BY THESE PRESENTS: That Everest Reinsurance Company, a corporation of the State of Delaware ("Company") having its principal office located at 477 Martinsville Road, Liberty Corner, New Jersey 07938, do hereby nominate, constitute, and appoint:

James L. Bly, Pamela L. Nunez, Andrew Bly, Johnathan Byers, Lynnell Frank, Ryan Burke

its true and lawful Attorney(s)-in-fact to make, execute, attest, seal and deliver for and on its behalf, as surety, and as its act and deed, where required, any and all bonds and undertakings in the nature thereof, for the penal sum of no one of which is in any event to exceed UNLIMITED, reserving for itself the full power of substitution and revocation.

Such bonds and undertakings, when duly executed by the aforesaid Attorney(s)-in-fact shall be binding upon the Company as fully and to the same extent as if such bonds and undertakings were signed by the President and Secretary of the Company and sealed with its corporate seal.

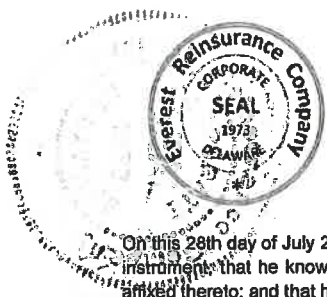
This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Board of Directors of Company ("Board") on the 28th day of July 2016:

RESOLVED, that the President, any Executive Vice President, and any Senior Vice President and Anthony Romano are hereby appointed by the Board as authorized to make, execute, seal and deliver for and on behalf of the Company, any and all bonds, undertakings, contracts or obligations in surety or co-surety with others and that the Secretary or any Assistant Secretary of the Company be and that each of them hereby is authorized to attest to the execution of any such bonds, undertakings, contracts or obligations in surety or co-surety and attach thereto the corporate seal of the Company.

RESOLVED, FURTHER, that the President, any Executive Vice President, and any Senior Vice President and Anthony Romano are hereby authorized to execute powers of attorney qualifying the attorney named in the given power of attorney to execute, on behalf of the Company, bonds and undertakings in surety or co-surety with others, and that the Secretary or any Assistant Secretary of the Company be, and that each of them is hereby authorized to attest the execution of any such power of attorney, and to attach thereto the corporate seal of the Company.

RESOLVED, FURTHER, that the signature of such officers named in the preceding resolutions and the corporate seal of the Company may be affixed to such powers of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be thereafter valid and binding upon the Company with respect to any bond, undertaking, contract or obligation in surety or co-surety with others to which it is attached.

IN WITNESS WHEREOF, Everest Reinsurance Company has caused their corporate seals to be affixed hereto, and these presents to be signed by their duly authorized officers this 28th day of July 2016.



Everest Reinsurance Company

Nichase

Attest: Nicole Chase, Assistant Secretary

A. Romano

By: Anthony Romano, Vice President

On this 28th day of July 2016, before me personally came Anthony Romano, known to me, who, being duly sworn, did execute the above instrument; that he knows the seal of said Company; that the seal affixed to the aforesaid instrument is such corporate seal and was affixed thereto; and that he executed said instrument by like order.

LINDA ROBINS
Notary Public, State of New York
No 01R06239736
Qualified in Queens County
Term Expires April 25, 2023

Linda Robins

Linda Robins, Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company, at the Liberty Corner, this 26th day of February 2021.

11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

09/03/2021



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permit (API: 47-033-05998)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Fri, Sep 3, 2021 at 7:48 AM

To: KWright@shaftdrillers.com, "Ward, Samuel D" <samuel.d.ward@wv.gov>, dpalmer@harrisoncountywv.com, mcopeland@harrisoncountywv.com

I have attached a copy of the newly issued well [permit](#) number, "31792", API: (47-033-05998). This will serve as your copy.

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304


(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

 **IR-8 Blank.pdf**
157K

 **47-033-05998 - Copy.pdf**
2184K

09/03/2021