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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, January 10, 2023  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

COLUMBIA GAS TRANSMISSION, LLC  
1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for 7302  
47-035-00527-00-00

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: 7302  
Farm Name: WILCOX, T. A.  
U.S. WELL NUMBER: 47-035-00527-00-00  
Vertical Plugging  
Date Issued: 01/10/2023

Promoting a healthy environment.

01/13/2023

## 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.

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### CONDITIONS

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



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Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
Phone (304) 926-0450

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

January 10, 2023

Joseph and Beverly Smith  
P. O. Box 117  
Sandyville, WV 25275

Re: Plugging Permit for Columbia Gas Transmission, LLC  
API Number 47-035-00527 (Ripley 7302)

Mr. and Mrs. Smith,

The Office of Oil and Gas has reviewed your comments concerning Columbia Gas Transmission LLC's permit for the above-referenced Plugging permit. The comments were sent to the operator for its response. The operator has responded, and their response is attached to this correspondence.

After considering your comments, the applicant's response, and the inspector's findings, the Office of Oil and Gas has determined that the application meets the requirements set forth in Article 6, Chapter 22 of the West Virginia Code and Legislative Rule Title 35 Series 4. Consequently, the Office of Oil and Gas is issuing the permit with conditions today. For your information and convenience, I am including with this letter, a copy of the permit as issued.

If you have any questions, you may contact me at 304-926-0499 ext. 41110.

Regards,

Jeffrey W. McLaughlin, Technical Analyst  
B. S. Petroleum Engineering  
WV DEP, Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345

Attachments



Brewer, Charles T <charles.t.brewer@wv.gov>

4703500527 P

API 47-035-00527  
1 message

BEVERLY SMITH 304-273-0655

01/13/2023

Beverly Smith <bvsmith1962@gmail.com>  
To: "charles.t.brewer@wv.gov" <charles.t.brewer@wv.gov>

Tue, Sep 27, 2022 at 5:17 PM

Mr. Brewer

This email is in regard to Columbia Gas Transmission applying for a permit to plug my gas storage well ID Ripley 7302 (API 47-035-00527). They are requesting 2 fifty by ten by four foot deep ponds. I do not want ponds. I would prefer they use tanks.

Joseph Smith

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Office of Oil & Gas  
OCT 18 2022  
WV Department of  
Environmental Protection

JOSEPH SMITH COMMENTS

4703500527 P



Kennedy, James P <james.p.kennedy@wv.gov>

COLUMBIA GAS RESPONSE TO COMMENTS FROM JOSEPH SMITH

RECEIVED Office of Oil & Gas

OCT 18 2022

comments for 4703500527

2 messages

Kennedy, James P <james.p.kennedy@wv.gov> To: maria\_medvedeva@tcenergy.com Cc: Charles T Brewer <charles.t.brewer@wv.gov>

PO BOX 117 SANDYVILLE, WV 25275

WV Department of Environment & Natural Resources Tue, Oct 18, 2022 at 9:15 AM

Maria, we received comments on plugging permit 4703500527. Please send your response to us.

James Kennedy

WVDEP OOG

comment 4703500527.pdf 106K

Maria Medvedeva <maria\_medvedeva@tcenergy.com> To: "Kennedy, James P" <james.p.kennedy@wv.gov> Cc: Charles T Brewer <charles.t.brewer@wv.gov>

Tue, Oct 18, 2022 at 9:39 AM

Good morning James, Charles,

While we permit the projects with open pits, it is for contingency purposes only. We do use steel tanks. Please let me know if this is sufficient feedback, or you would like me to resubmit the rec plans without the pits drawn in.

Maria Medvedeva

Senior Wells Engineer – Well Engineering & Technology

Storage Technical Services

maria\_medvedeva@tcenergy.com

M: +1-304-410-4313



1700 MacCorkle Ave SE

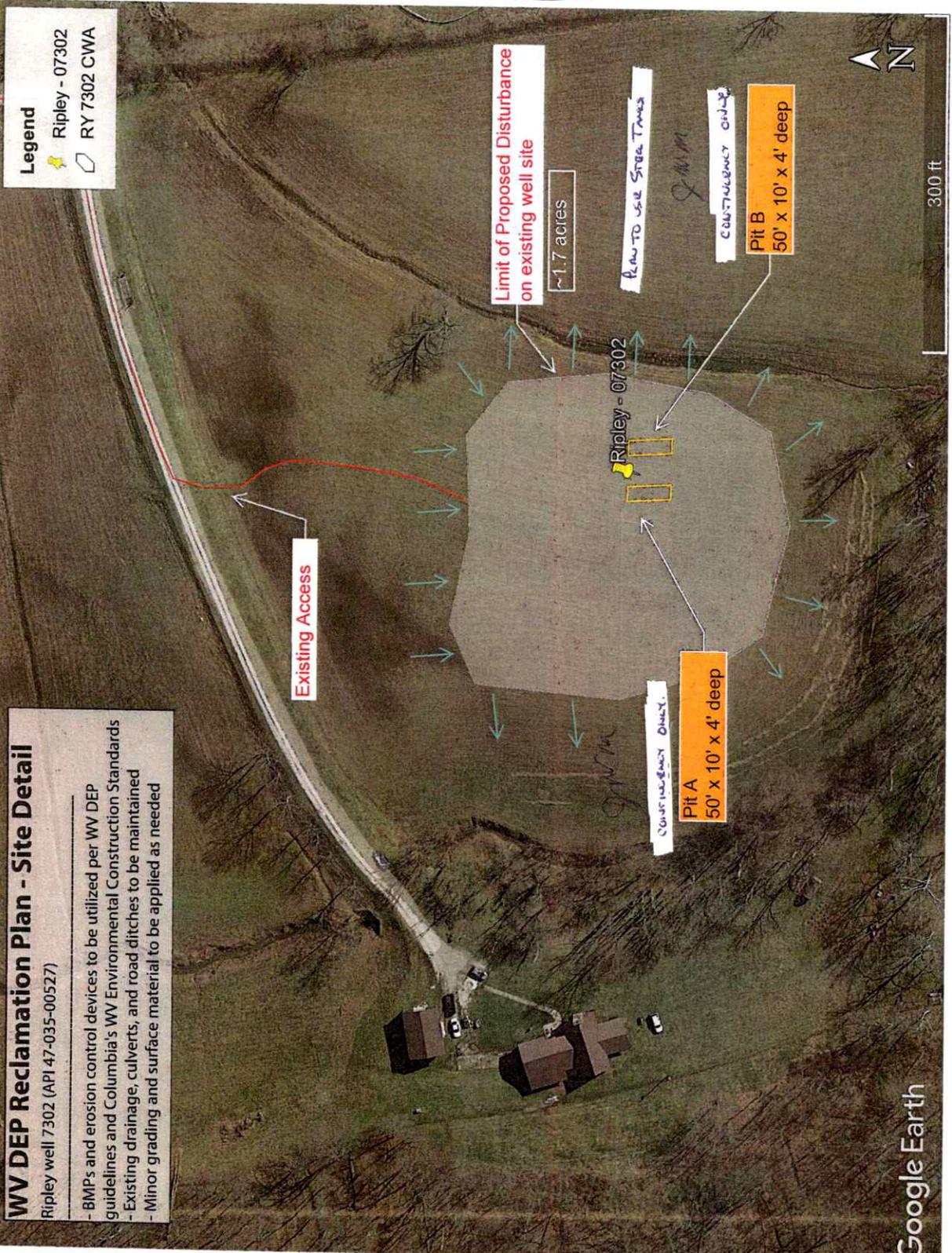
Charleston, WV 25314

TCEnergy.com

From: Kennedy, James P <james.p.kennedy@wv.gov> Sent: Tuesday, October 18, 2022 9:15 AM

01/13/2023

*Handwritten signature and date: 2-2-23*



4703500527P

WW-4B  
Rev. 2/01

*OK # 34694  
\$100.00*

1) Date April 28, 2022  
2) Operator's  
Well No. Ripley 7302  
3) API Well No. 47-035 - 00527

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 587 ft Watershed Beatty Run  
District Ravenswood County Jackson Quadrangle Sandyville

6) Well Operator Columbia Gas Transmission LLC 7) Designated Agent Maria Medvedeva  
Address 1700 MacCorkle SE Address 1700 MacCorkle SE  
Charleston, WV 25314 Charleston, WV 25314

8) Oil and Gas Inspector to be notified Name Joe Taylor 9) Plugging Contractor Name Next Lvl Energy, LLC  
Address 1478 Claylick Road Address 736 W Ingomar Rd, Units 268  
Ripley, WV 25271 Ingomar, PA 15127-6613

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

Refer to enclosed:

- 1) Well job plan.
- 2) Prior to P&A wellbore schematic.
- 3) Proposed P&A wellbore schematic.

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Office of Oil and Gas  
OCT 05 2022  
WV Department of  
Environmental Protection

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

Work order approved by inspector



Date

9-26-22

01/13/2023

4703500527P

Objective: Plug and Abandon

LAST PROFILE UPDATE:

TITLE: Plug and Abandon				WORK TYPE: MOD				
FIELD: Ripley		WELL ID: 7302 (OB)		LEASE #: 52647				
STATE: WV		SHL (Lat/ Long): 38.89639		-81.67472		API: 47-035-00527		
DIST/TWP: Ravenswood		BHL (Lat/Long): 38.89639		-81.67472		CNTY: Jackson		
EXISTING TUBULAR CONFIGURATION		OD (inches)	WEIGHT (PPF)	GRADE	THREAD	DEPTH (ft)		
						TOP	BOTTOM	
Conductor		16	65.0			0	70	
Surface		10 3/4	pulled					
Intermediate		8 5/8	24.0			0	1208	
Intermediate		7	22.0			0	1978	
Production		5 1/2	17.0			0	4680	
Tubing		2 3/8				0	4814	
Perforations								
Wellhead		API wellhead, 5-1/2" flowstring x 7" support string, 2" 11 1/2-V wellhead connection						
D.H. EQUIPMENT		TYPE				DEPTH (ft)		
PACKER INFO:		Upper						
		Lower						
NIPPLE PROFILE INFO:		Upper						
		Lower						
SSSV INFO:								
CEMENT INFO							Calc TOC (ft)	
8 5/8	No record of cement						-	
7	1946 WV Dept of Mines record states "casing cemented 7" - no record of volume or placement						-	
5 1/2	1946 WV Dept of Mines record states "casing cemented 5-1/2 110 ft" - no record of volume or placement						-	
MISC INFORMATION								
<b>REFER TO WELL SUMMARY RPT, WELLBORE DIAGRAM, ELOG, ETC. (see spreadsheet tabs below)</b>								
<b>Kill Fluid Calculation</b> * Note that kill fluid calculation tabs are hidden								
Maximum calculated bottom-hole pressure (for reference only):		1922	psig	* input				
Maximum storage field surface pressure (MAOP):		1675	psig	* input				
Well TD:		4848	ft TVD	* input				
Top of storage zone (Oriskany):		4776	ft TVD	* input				
Calculated maximum BH pressure at top of zone:		1895	psig	* output Kill Fluid (TOZ)				
Kill fluid density at top of zone @:		200	psi OB	8.44	ppg	* output Kill Fluid (TOZ)		
Proposed depth of BP (N/A):		4776	ft TVD	* input				
Calculated maximum BH pressure at depth of BP:		1895	psig	* output Kill Fluid (BP)				
Kill fluid density at depth of BP @:		200	psi OB	8.44	ppg	* output Kill Fluid (BP)		
Required minimum kill fluid density:		8.5	ppg	* greater of the two				
Current AOF:		45	MCF/D					
Top historical AOF:		72	MCF/D					
Last MVRT:		None performed						
CBL:		None performed						
PROPOSED YEAR:	2023	ERCB PERMIT REQD:	YES	NO	X	(Internal) PDS Required:	YES	NO
PREPARED BY:	Maria Medvedeva	DT. APPLIED:			ISSUED:	APPROVED:	Brent Criser	
PREP DATE:	9/22/2022	REVIEWED BY:	James Amos					

FORMATION: refer to MISC INFORMATION section  
 PAY: TD: 4848  
 PBTB: KB-GL: GL: 587  
 CSG DEPTH: WELLBORE SCHEMATIC  
 ELEVATIONS  
 TMG:  
 KB-RF:  
 GL: 587  
 Refer to "Wellbore Diagram" tab

RECEIVED  
 Office of Oil and Gas  
 OCT 24 2022  
 WV Department of Environmental Protection  
 01/13/2023

Objective: Plug and Abandon

LAST PROFILE UPDATE:

TITLE: Plug and Abandon		WORK TYPE: MOD	
FIELD: Ripley	WELL: 7302 (OB)		
STAT: WV	SHL (Lat/Long): 38.89639 -81.67472	API: 47-035-00527	
TWP: Ravenswood	BHL (Lat/Long): 38.89639 -81.67472	CNTY: Jackson	

## PROCEDURE

**NOTE: Cement used will be Class A, slurry weight 15.6ppg, slurry yield 1.18 cuft/sk or Class L, slurry weight 15.6ppg, slurry yield 1.14 cuft/sk, as per the approved WVDEP Variance Order No.2022-13. All spacers will be 6% Bentonite gel.**

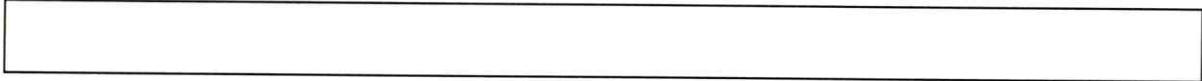
- 1 Obtain State well work permit, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- 2 Notify landowner.
- 3 Obtain General Work Permit and Wellsite Review & Turnover Form from Operations.
- 4 Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
- 5 Notify environmental inspector prior to beginning work. If required, notify State/Federal regulatory agencies prior to beginning work.
- 6 Prepare access road and well site. Install ECD's per EM&CP.
- 7 Service all wellhead valves.
- 8 Document and report to WE&T the initial tubing, casing and annular pressures.
- 9 Blow down annuli and replace fittings as necessary. Leave open to atmosphere for monitoring.
- 10 Load / top 5-1/2" x 7", 7" x 8-5/8" annuli with kill fluid. Document volumes. Top off remaining annuli with FW. Document volumes.
- 11 Kill well with 8.5 ppg viscosified fluid. After well is dead spot 10 bbls LCM pill on bottom.
- 12 Dig around base of wellhead to uncover casing tops and remove cement if present.
- 13 MIRU service rig.
- 14 Remove wellhead equipment down to the tubing spool.
- 15 Screw in 2-3/8" nipple with full port valve into top of hanger.
- 16 Strip over and NU 7-1/16" Cameron 5K BOPE (blind / shear + pipe + annular). Will need kill and choke outlets below blind / shear.
- 17 Function and pressure test BOPE to low (250 psig) and high (2500 psig).
- 18 Unseat hanger, PU to verify that the 2-3/8" tubing is free, remove hanger. Pull tubing out of hole.
- 19 Obtain CBL on 5-1/2" casing. Provide digital copy of log to WE&T engineer and consult to confirm next steps.  
\* Per WV Dept of Mines Well Records casing was cemented 110', no record of volume or where it was placed.
- 20 RIH with workstring with cut-lip shoe, wash to bottom, install balanced cement plug to 4400'.
- 21 RIH to tag top of cement plug. If plug is deeper than 4600', install a second balanced cement plug
- 22 Install a CIBP as close to above the cement top as feasible.
- 23 Top off 5-1/2" with kill fluid and perform a 500 psig pressure test to verify integrity of the BP.
- 24 Perforate 5-1/2" casing above the CIBP or top of cement behind 5-1/2", whichever is shallower, attempt to circulate to surface or establish injection.  
**Consult with WE&T engineer on results.**
- 25A If circulation to surface established, consult with WE&T engineer for procedure:
  - > Circulate kill weight fluid until good kill density fluid is returned.
  - > RIH with sliding-sleeve style cement retainer on work string.
  - > Set retainer above perfs.
  - > Establish circulation.
  - > Squeeze cement behind 5-1/2" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement to 2200'.
  - > Disengage from retainer, reverse circulate to clean tubulars, and TOH.
  - > WOC 24 hours.
  - > Obtain CBL.
- 25B If no circulation to surface, but injection established, consult with WE&T engineer for procedure:
  - > RIH with sliding-sleeve style cement retainer on work string.
  - > Set retainer above perfs.
  - > Establish injection.
  - > Disengage from retainer and spot cement at bottom of work string.
  - > Squeeze cement behind 5-1/2" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement to 2200'.
  - > Disengage from retainer, reverse circulate to clean tubulars, and TOH.
  - > WOC 24 hours.
  - > Obtain CBL.
- 25C If circulation / injection not established, perforate (per WE&T engineer) and repeat process above in 100' interval.  
\* Note that during steps above cement plugs must be installed across all perf zones, casing shoes, and O/G/W zones.
- 26 Release all annular pressure and top off.
- 27 ND BOPE.
- 28 Weld pulling nipple on 5-1/2" casing, pull seals and slips. Dress the top of the 7" casing to accommodate the BOP.
- 29 NU 7" BOPE (blind ram + pipe ram + annular) on top of the 7" casing. Need kill / choke outlets below blind / shear.
- 30 Function and attempt to pressure test BOPE to low (250 psig) and high (2500 psig). Report results to WE&T engineer.

PREPARED BY:	Maria Medvedeva	REVIEWED BY:	James Amos	APPROVED:	Brent Criser
PREP DATE:	9/22/2022				

RECEIVED  
Office of Oil and Gas  
OCT 24 2022  
WV Department of  
Environmental Protection  
01/13/2023

Objective: Plug and Abandon		LAST PROFILE UPDATE:	
TITLE: Plug and Abandon		WORK TYPE: MOD	
FIELD: Ripley	WELL: 7302 (OB)		
STAT: WV	SHL (Lat/Long): 38.89639 -81.67472	API: 47-035-00527	
DIST/TWP: Ravenswood	BHL (Lat/Long): 38.89639 -81.67472	CNTY: Jackson	

PROCEDURE (continued)



- 31 Wireline freepoint 5-1/2" casing. Cut and pull the 5-1/2" casing from ~2200'.
- 32 Install balanced cement plugs from CIBP to a minimum of 100' above 5-1/2" csg stub. POOH to above cement top, reverse circulate to clean tubulars, pull 10 joints, close pipe rams. WOC a minimum 8 hrs.
- 33 RIH and tag cement. If the cement top is less than 100' from top of the 5-1/2" casing stub, then install another cement plug.
- 34 Obtain CBL inside 7" casing. Per WV Dept of Mines Well Records casing cemented, volume and top unknown.  
*Provide digital copy of log to WE&T engineer and consult to confirm next steps.*
- 36 ND BOPE.
- 37 Install pulling nipple on the 7" casing. Dress the top of the 8-5/8" casing to accommodate the BOP.
- 38 NU 9" or 11" BOPE (blind ram + pipe ram + annular) on top of the 8-5/8" casing. Need kill / choke outlets below blind / shear.
- 39 Function and pressure test BOPE to 250 psi low and 1500 psi high.
- 40 Wireline freepoint 7" casing. Cut / pull all of the 7" casing that is free.
- 41 Perforate 7" casing above the inner cement plug or the top of cement behind 7" casing, whichever is shallower, attempt to circulate to surface or establish injection.
- 42 Install balanced cement plugs from last cement plug to 1300'. POOH to above cement top, reverse circulate to clean tubulars, pull 10 joints, close pipe rams. WOC a minimum 4 hrs.
- 43 RIH and tag cement. If the cement top is less than 1500', then install another cement plug. } WATER 1535'
- 44 TOOH and ND BOP.
- 45 Weld pulling nipple on 8-5/8" csg.
- 46 Attempt to pull all 8-5/8" csg. If can't pull all then wireline freepoint and cut / pull all that is free.
- 47 TIH with work string and install balanced cement plugs from top of last cement plug to surface.
- 48 Grout all annuli as deep as possible.
- 49 RDMO service rig.
- 50 Erect monument per state regulations. Reclaim location and lease road.
- 51 P&A complete.
- 52 Notify REG / WE&T / Project controller that project is in-service.

PREPARED BY: Maria Medvedeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 9/22/2022		

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4703500527P

RIPLEY 7302

Proposed P&A

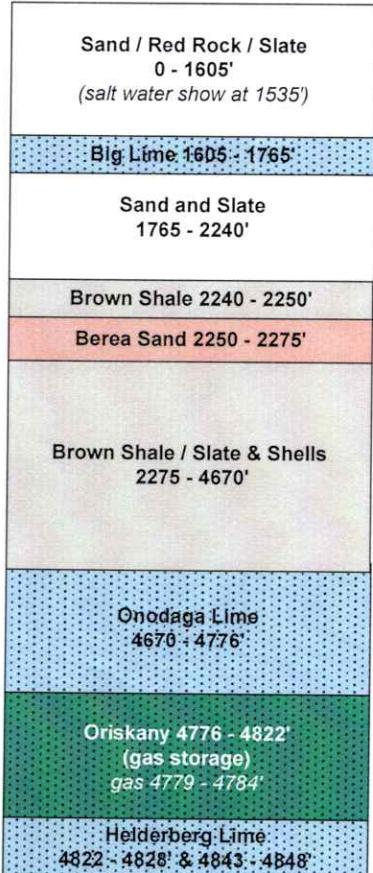
(as of 08/16/2022)

~ not to scale ~

Sea Level @ 587 ft

No driller reported  
Fresh Water shows

Salt Water show @  
1535' in a sand



16" 65# csg @ 70'  
(no record of cement)

10-3/4" csg ran / pulled  
(casing seat at 517')

8-5/8" 24# csg @ 1208'  
(no record of cement)

7" 22# csg @ 1978'  
- Per WV Dept of Mines Well Records casing cemented, volume and top unknown

Dark grey fill indicates cement installed during the P&A

Cement retainer

Attempts will be made to perf and squeeze cement behind 5-1/2" csg to ~ 2200'

5-1/2" 17# csg @ 4680'  
- Per WV Dept of Mines Well Records casing cemented 110', no record of volume or where it was placed

Cast Iron Bridge plug

TD 4848'

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01/13/2023

~ not to scale ~

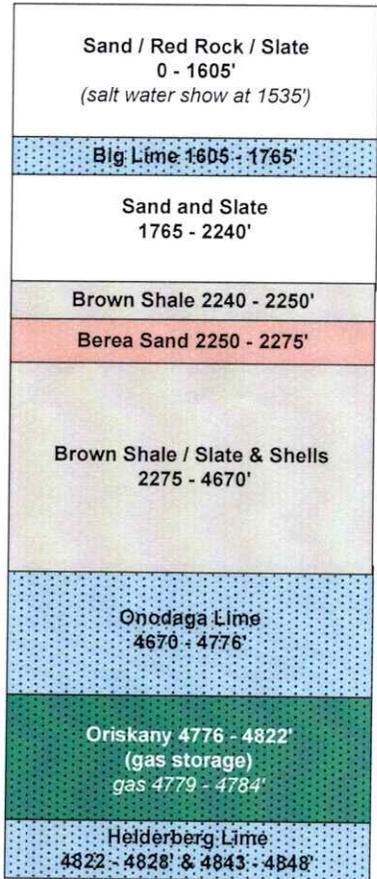
### RIPLEY 7302

Prior to P&A  
(as of 04/26/2022)

Sea Level @ 587 ft

No driller reported  
Fresh Water shows

Salt Water show @  
1535' in a sand



16" 65# csg @ 70'  
(no record of cement)

10-3/4" csg ran / pulled  
(casing seat at 517')

8-5/8" 24# csg @ 1208'  
(no record of cement)

7" 22# csg @ 1978'  
- Per WV Dept of Mines Well Records casing cemented, volume and top unknown

Light grey fill indicates originally installed cement

5-1/2" 17# csg @ 4680'  
- Per WV Dept of Mines Well Records casing cemented 110', no record of volume or where it was placed

2-3/8" tubing @ 4814'

TD 4848'

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WV Department of  
Environmental Protection  
01/13/2023



4703500527P

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Rifley*

WELL RECORD

Permit No. JAG-527

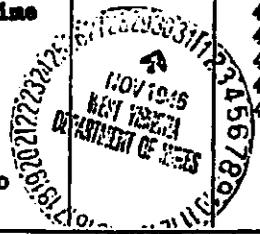
Oil or Gas Well Gas

Company <u>United Carbon Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Box 1913, Charleston 27, W. Va.</u>	Size			
Farm <u>T. A. Wilcox et al</u> Acres <u>90</u>	16	70'	70'	Kind of Packer
Location (waters) <u>Sandy Creek</u>	13			
Well No. <u>1 (1397)</u> Elev. <u>601.2'</u>	10 <u>3/4"</u>	<u>517'</u>		Size of
District <u>Ravenswood</u> County <u>Jackson</u>	8 <u>5/8"</u>	<u>1208'</u>	<u>1208'</u>	
The surface of tract is owned in fee by _____	6 <u>7" OD</u>	<u>1978'</u>	<u>1978'</u>	Depth set
Address _____	5 <u>3/8" 1/2"</u>	<u>4680'</u>	<u>4680'</u>	
Mineral rights are owned by <u>T. A. Wilcox et al</u>	3			Perf. top
Address <u>Crow Summit, W. Va.</u>	2 <u>3/8" OD</u>	<u>4814'</u>	<u>4814'</u>	Perf. bottom
Drilling commenced <u>JUNE 13, 1946</u>	Liners Used			Perf. top
Drilling completed <u>September 27, 1946</u>				Perf. bottom
Date Shot <u>9-24-46</u> From <u>4777'</u> To <u>4818'</u>				
With <u>60 qts. glycerine</u>				
Open Flow <u>/10ths Water in</u> _____ Inch				
<u>20/10ths Merc. in</u> <u>2</u> _____ Inch				
Volume <u>696,000</u> _____ Cu. Ft.				
Rock Pressure <u>1325</u> lbs <u>24</u> hrs.				
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet				
Salt water <u>1535</u> feet				

CASING CEMENTED 7" SIZE No. Ft. \_\_\_\_\_ Date 9-12-46  
5 1/2" 110'

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			0	70			
Slate	White		70	140			
Red Rock			140	160			
Sand			160	180			
Red Rock			180	210			
Slate	White		210	260			
Red Rock			260	270			
Slate			270	450			
Sand			450	510			
Slate			510	620			
Red Rock			620	640			
Slate	White		640	700			
Sand			700	730			
Red Rock			730	745			
Slate	White		745	1150			
Sand			1150	1165			
Slate			1155	1195			
Sand			1195	1455			
Slate			1455	1495			
Sand			1495	1600			
Pencil Cave			1600	1605			
Big Lime			1605	1765			
Sand			1765	1900			
Slate & Shells			1900	2240			
Shale	Brown		2240	2250			
Berea Sand			2250	2275			
Slate & Shells			2275	3715			
Shale	Brown		3715	3835			
Slate & Shells			3835	4400	Gas	3840-3845'	
Shale	Brown		4400	4670			
Corniferous Lime			4670	4776			
Oriskany Sand			4776	4822	Gas	4779-4782'	207MCF
Lime			4822	4828			
Sand			4828	4843			
Lime			4843	4848			
TOTAL DEPTH				4848'			
Filled back to				4822'			



*[Handwritten signature]*

(Over)





4703500527P

7302

Obs  
7302

F-20606

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
WELL RECORD

Gas Well  
CASING & TUBING

Company	United Carbon Company			
Address	Box 1913, Charleston 27, W.Va.	15	70'	70'
Para	T. A. Wilcox et al A 90	10 3/4	517'	
Location	Sandy Creek	8 5/8	1208'	1208'
Well No.	1(1377) Elev. 601.2'	7 00	1978'	1978'
District	Havenswood - Jackson County	5 1/2	4680'	4680'
Surface		2 3/8	4814'	4814'
Mineral	T.A. Wilcox et al, Crow Summit, W.Va.			
Commenced	June 13, 1946		Casing cemented 7"	
Completed	Sept. 24, 1946		5 1/2 110' 9-12-46	
Date shot	9-24-46 Depth 4777 to 4818			
	with 60 qts. glycerine			
Volume	696,000 C.F.			
Rock Pressure	1325 lbs. 24 hrs.			
Salt Water	1535' H.F.			

Sand		0	70	
Slate	Wh	70	140	
Red Rock		140	160	
Sand		160	180	
Red Rock		180	210	
Slate	Wh	210	260	
Red Rock		260	270	
Slate		270	450	
Sand		450	510	
Slate		510	620	
Red Rock		620	640	
Slate	Wh	640	700	
Sand		700	730	
Red Rock		730	745	
Slate	Wh	745	1150	
Sand		1150	1165	
Slate		1165	1195	
Sand		1195	1455	
Slate		1455	1495	
Sand		1495	1600	
Pencil Cave		1600	1605	
Big Lime		1605	1765	
Sand		1765	1900	
Slate & Shells		1900	2240	
Shale	Br	2240	2250	
Berea Sand		2250	2275	
Slate & Shells		2275	3715	
Shale	Br	3715	3835	
Slate & Shells		3835	4400	Gas 3840-3845
Shale	Br	4400	4670	
Corniferous Lime		4670	4776	100
Oriskany Sand		4776	4822	Gas 4779-4784 207 MCF
Lime		4822	4828	
Sand		4828	4843	15
Lime		4843	4848	5
TOTAL DEPTH			4848	

8-1-64  
141-157-158-1900-0-  
3 MCF 577'

127  
10  
117  
117

Obs

7302

United Carbon  
F-20606

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OCT 05 2022

Environmental Protection

01/13/2023



Select County: (035) Jackson  (Check All)

Enter Permit #: 00527

Location  Production  Plugging  
 Owner/Completion  Stratigraphy  Sample  
 Pay/Show/Water  Logs  Btm Hole Loc

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

Report Time: Tuesday, January 10, 2023 10:46:32 AM

Well: County = 35 Permit = 00527 [Link to all digital records for well](#)

Location Information: [View Map](#)

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE_NUM	LEASE_LEASE	MINERAL_OWN	OPERATOR	AT_COMPLETION	PROP_YD	PROP_TRGT_FM	TFM_EST_PR
4703500527	9/24/1946	Original Loc	Completed	T A Wilcox	1		1397			United Carbon				

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SPUD_DT	ELEV DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AFT	O_BEF	O_AFT	NGL_BEF	NGL_AFT	P_BEF	P_AFT	TI_AFT	
4703500527	9/24/1946	9/13/1946	601	Derrick Floor	Eik-Pcat(Senv)	Helderberg	Development/Well	Development/Well	Gas	unknown	Shot	4848	4848			207	696	0	0	0	0	0	0	0	1325

Completion Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4703500527	9/24/1946	Water	Salt Water	Vertical	3840	Lower Huron	1555	Lower Huron	0	0	0	0	0
4703500527	9/24/1946	Show	Gas	Vertical	4779	Oriskany	4784	Oriskany	207	0	0	0	0
4703500527	9/24/1946	Show	Gas	Vertical	4777	Oriskany	4818	Oriskany	0	696	0	0	0

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
4703500527	Original Loc	Pencil Cave	Well Record	1600	Reasonable	5	Reasonable	601	Derrick Floor
4703500527	Original Loc	Greenbrier Group	Well Record	1605	Reasonable	160	Reasonable	601	Derrick Floor
4703500527	Original Loc	Big Lime	Well Record	1605	Reasonable	160	Reasonable	601	Derrick Floor
4703500527	Original Loc	Big Injun (Price&eq)	Past WVGES Staff Geologist	1765	Reasonable	135	Reasonable	601	Derrick Floor
4703500527	Original Loc	Sunbury Sh	Past WVGES Staff Geologist	2240	Reasonable	10	Reasonable	601	Derrick Floor
4703500527	Original Loc	Berea Ss	Well Record	2250	Reasonable	25	Reasonable	601	Derrick Floor
4703500527	Original Loc	UDev undfr/Ber/Lo-HURN	Well Record	2275	Reasonable	0	Ostnble Pick	601	Derrick Floor
4703500527	Original Loc	Rhinestreet Sh	Well Record	4400	Reasonable	106	Reasonable	601	Derrick Floor
4703500527	Original Loc	Onondaga Ls	Well Record	4670	Reasonable	46	Reasonable	601	Derrick Floor
4703500527	Original Loc	Oriskany	Well Record	4776	Reasonable	0	Reasonable	601	Derrick Floor
4703500527	Original Loc	Helderberg	Past WVGES Staff Geologist	4822	Reasonable	0	Reasonable	601	Derrick Floor

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

There is no Plugging data for this well

There is no Sample data for this well

4703500527P

<b>Objective: Plug and Abandon</b>				LAST PROFILE UPDATE:			
TITLE: Plug and Abandon				WORK TYPE: MOD			
FIELD: Ripley		WELL ID: 7302 (OB)		LEASE #: 52647			
STATE: WV		SHL (Lat/ Long): 38.89639		-81.67472		API: 47-035-00527	
DIST/TWP: Ravenswood		BHL (Lat/Long): 38.89639		-81.67472		CNTY: Jackson	
EXISTING TUBULAR CONFIGURATION		OD (inches)	WEIGHT (PPF)	GRADE	THREAD	DEPTH (ft)	
						TOP	BOTTOM
Conductor		16	65.0			0	70
Surface		10 3/4	pulled				
Intermediate		8 5/8	24.0			0	1208
Intermediate		7	22.0			0	1978
Production		5 1/2	17.0			0	4680
Tubing		2 3/8				0	4814
Perforations		-					
Wellhead		API wellhead, 5-1/2" flowstring x 7" support string, 2" 11 1/2-V wellhead connection					
D.H. EQUIPMENT				TYPE		DEPTH (ft)	
PACKER INFO:		Upper					
		Lower					
NIPPLE PROFILE INFO:		Upper					
		Lower					
SSSV INFO:							
CEMENT INFO				Calc TOC (ft)			
8 5/8	No record of cement			-			
7	1946 WV Dept of Mines record states "casing cemented 7" - no record of volume or placement			-			
5 1/2	1946 WV Dept of Mines record states "casing cemented 5-1/2 110 ft" - no record of volume or placement			-			
MISC INFORMATION							
<b>REFER TO WELL SUMMARY RPT, WELLBORE DIAGRAM, ELOG, ETC. (see spreadsheet tabs below)</b>							
<b>Kill Fluid Calculation</b> <span style="float: right;">* Note that kill fluid calculation tabs are hidden</span>							
Maximum calculated bottom-hole pressure (for reference only):		1922	psig	* input			
Maximum storage field surface pressure (MAOP):		1675	psig	* input			
Well TD:		4848	ft TVD	* input			
Top of storage zone (Oriskany):		4776	ft TVD	* input			
Calculated maximum BH pressure at top of zone:		1895	psig	* output Kill Fluid (TOZ)			
Kill fluid density at top of zone @: 200 psi OB		8.44	ppg	* output Kill Fluid (TOZ)			
Proposed depth of BP (N/A):		4776	ft TVD	* input			
Calculated maximum BH pressure at depth of BP:		1895	psig	* output Kill Fluid (BP)			
Kill fluid density at depth of BP @: 200 psi OB		8.44	ppg	* output Kill Fluid (BP)			
Required minimum kill fluid density:		8.5	ppg	* greater of the two			
Current AOF:		45	MCF/D				
Top historical AOF:		72	MCF/D				
Last MVRT:		None performed					
CBL:		None performed					
PROPOSED YEAR:	2023	ERCB PERMIT REQD:	YES ___ NO_X__	(Internal) PDS Required: YES ___ NO ___			
PREPARED BY:	Maria Medvedeva	DT. APPLIED:	ISSUED:	APPROVED: Brent Criser			
PREP DATE:	8/16/2022	REVIEWED BY:	James Amos				

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WV  
Environ

*[Handwritten Signature]*  
9-26-22

4703500527

Objective: Plug and Abandon		LAST PROFILE UPDATE:	
TITLE: Plug and Abandon		WORK TYPE: MOD	
FIELD: Ripley	WELL: 7302 (OB)		
STAT: WV	SHL (Lat/Long): 38.89639 -81.67472	API: 47-035-00527	
TWP: Ravenswood	BHL (Lat/Long): 38.89639 -81.67472	CNTY: Jackson	

## PROCEDURE

**NOTE: All cement used will be Class A, slurry weight 15.6ppg, slurry yield 1.18 cuft/sk. All spacers will be 6% Bentonite gel.**

- 1 Obtain State well work permit, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- 2 Notify landowner.
- 3 Obtain General Work Permit and Wellsite Review & Turnover Form from Operations.
- 4 Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
- 5 Notify environmental inspector prior to beginning work. If required, notify State/Federal regulatory agencies prior to beginning work.
- 6 Prepare access road and well site. Install ECD's per EM&CP.
- 7 Service all wellhead valves.
- 8 Document and report to WE&T the initial tubing, casing and annular pressures.
- 9 Blow down annuli and replace fittings as necessary. Leave open to atmosphere for monitoring.
- 10 Load / top 5-1/2" x 7", 7" x 8-5/8" annuli with kill fluid. Document volumes. Top off remaining annuli with FW. Document volumes.
- 11 Kill well with 8.5 ppg viscosified fluid. After well is dead spot 10 bbls LCM pill on bottom.
- 12 Dig around base of wellhead to uncover casing tops and remove cement if present.
- 13 MIRU service rig.
- 14 Remove wellhead equipment down to the tubing spool.
- 15 Screw in 2-3/8" nipple with full port valve into top of hanger.
- 16 Strip over and NU 7-1/16" Cameron 5K BOPE (blind / shear + pipe + annular). Will need kill and choke outlets below blind / shear.
- 17 Function and pressure test BOPE to low (250 psig) and high (2500 psig).
- 18 Unseat hanger, PU to verify that the 2-3/8" tubing is free, remove hanger. Pull tubing out of hole.
- 19 Obtain CBL on 5-1/2" casing. Provide digital copy of log to WE&T engineer and consult to confirm next steps.  
\* Per WV Dept of Mines Well Records casing was cemented 110'; no record of volume or where it was placed.
- 20 RIH with workstring with cut-lip shoe, wash to bottom, install balanced cement plug to 4400'.
- 21 RIH to tag top of cement plug. If plug is deeper than 4600', install a second balanced cement plug
- 22 Install a CIBP as close to above the cement top as feasible.
- 23 Top off 5-1/2" with kill fluid and perform a 500 psig pressure test to verify integrity of the BP.
- 24 Perforate 5-1/2" casing above the CIBP or top of cement behind 5-1/2", whichever is shallower, attempt to circulate to surface or establish injection.  
**Consult with WE&T engineer on results.**
- 25A If circulation to surface established, consult with WE&T engineer for procedure:
  - > Circulate kill weight fluid until good kill density fluid is returned.
  - > RIH with sliding-sleeve style cement retainer on work string.
  - > Set retainer above perfs.
  - > Establish circulation.
  - > Squeeze cement behind 5-1/2" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement to 2200'.
  - > Disengage from retainer, reverse circulate to clean tubulars, and TOH.
  - > WOC 24 hours.
  - > Obtain CBL.
- 25B If no circulation to surface, but injection established, consult with WE&T engineer for procedure:
  - > RIH with sliding-sleeve style cement retainer on work string.
  - > Set retainer above perfs.
  - > Establish injection.
  - > Disengage from retainer and spot cement at bottom of work string.
  - > Squeeze cement behind 5-1/2" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement to 2200'.
  - > Disengage from retainer, reverse circulate to clean tubulars, and TOH.
  - > WOC 24 hours.
  - > Obtain CBL.
- 25C If circulation / injection not established, perforate (per WE&T engineer) and repeat process above in 100' interval.  
\* Note that during steps above cement plugs must be installed across all perf zones, casing shoes, and O/G/W zones.
- 26 Release all annular pressure and top off.
- 27 ND BOPE.
- 28 Weld pulling nipple on 5-1/2" casing, pull seals and slips. Dress the top of the 7" casing to accommodate the BOP.
- 29 NU 7" BOPE (blind ram + pipe ram + annular) on top of the 7" casing. Need kill / choke outlets below blind / shear.
- 30 Function and attempt to pressure test BOPE to low (250 psig) and high (2500 psig). Report results to WE&T engineer.

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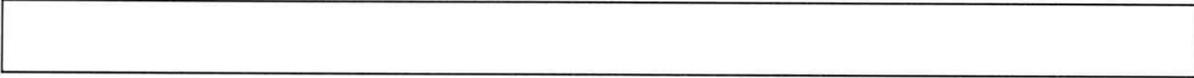
PREPARED BY: Maria Medvedeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 8/16/2022		

*[Handwritten Signature]*  
9-20-22

01/13/2023

Objective: Plug and Abandon		LAST PROFILE UPDATE:	
TITLE: Plug and Abandon		WORK TYPE: MOD	
FIELD: Ripley	WELL: 7302 (OB)		
STAT: WV	SHL (Lat/Long): 38.89639 -81.67472	API: 47-035-00527	
DIST/TWP: Ravenswood	BHL (Lat/Long): 38.89639 -81.67472	CNTY: Jackson	

PROCEDURE (continued)



- 31 Wireline freepoint 5-1/2" casing. Cut and pull the 5-1/2" casing from ~2200'.
- 32 Install balanced cement plugs from CIBP to a minimum of 100' above 5-1/2" csg stub. POOH to above cement top, reverse circulate to clean tubulars, pull 10 joints, close pipe rams. WOC a minimum 8 hrs.
- 33 RIH and tag cement. If the cement top is less than 100' from top of the 5-1/2" casing stub, then install another cement plug.
- 34 Obtain CBL inside 7" casing. Per WV Dept of Mines Well Records casing cemented, volume and top unknown.  
*Provide digital copy of log to WE&T engineer and consult to confirm next steps.*
- 36 ND BOPE.
- 37 Install pulling nipple on the 7" casing. Dress the top of the 8-5/8" casing to accommodate the BOP.
- 38 NU 9" or 11" BOPE (blind ram + pipe ram + annular) on top of the 8-5/8" casing. Need kill / choke outlets below blind / shear.
- 39 Function and pressure test BOPE to 250 psi low and 1500 psi high.
- 40 Wireline freepoint 7" casing. Cut / pull all of the 7" casing that is free.
- 41 Perforate 7" casing above the inner cement plug or the top of cement behind 7" casing, whichever is shallower, attempt to circulate to surface or establish injection.
- 42 Install balanced cement plugs from last cement plug to 1300'. POOH to above cement top, reverse circulate to clean tubulars, pull 10 joints, close pipe rams. WOC a minimum 4 hrs.
- 43 RIH and tag cement. If the cement top is less than 1500', then install another cement plug.
- 44 TOOH and ND BOP.
- 45 Weld pulling nipple on 8-5/8" csg.
- 46 Attempt to pull all 8-5/8" csg. If can't pull all then wireline freepoint and cut / pull all that is free.
- 47 TIH with work string and install balanced cement plugs from top of last cement plug to surface.
- 48 Grout all annuli as deep as possible.
- 49 RDMO service rig.
- 50 Erect monument per state regulations. Reclaim location and lease road.
- 51 P&A complete.
- 52 Notify REG / WE&T / Project controller that project is in-service.

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Environmental Protection

PREPARED BY: Maria Medvedeva	REVIEWED BY: James Ames	APPROVED: Brent Criser
PREP DATE: 8/16/2022		

~ not to scale ~

# RIPLEY 7302

## Proposed P&A

(as of 08/16/2022)

Sea Level @ 587 ft

No driller reported  
Fresh Water shows

16" 65# csg @ 70'  
(no record of cement)

10-3/4" csg ran / pulled  
(casing seat at 517')

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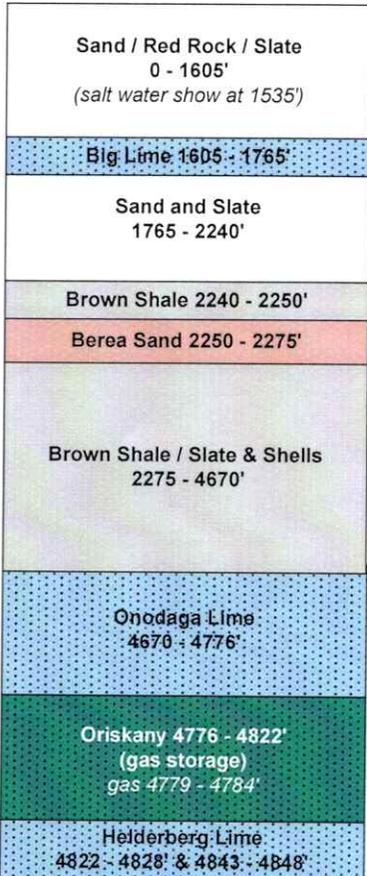
OCT 05 2022

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Environmental Protection

8-5/8" 24# csg @ 1208'  
(no record of cement)

Salt Water show @  
1535' in a sand

7" 22# csg @ 1978'  
- Per WV Dept of Mines Well Records casing  
cemented, volume and top unknown



Dark grey fill indicates cement installed  
during the P&A

Cement retainer

Attempts will be made to perf and squeeze  
cement behind 5-1/2" csg to ~ 2200'

5-1/2" 17# csg @ 4680'  
- Per WV Dept of Mines Well Records casing cemented  
110', no record of volume or where it was placed

Cast Iron Bridge plug

TD 4848'

*[Handwritten signature]*  
9-26-22

~ not to scale ~

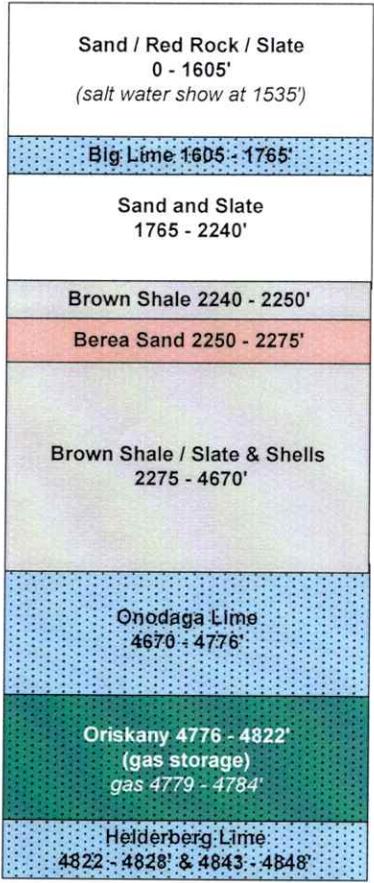
### RIPLEY 7302

Prior to P&A  
(as of 04/26/2022)

Sea Level @ 587 ft

No driller reported  
Fresh Water shows

Salt Water show @  
1535' in a sand



16" 65# csg @ 70'  
(no record of cement)

10-3/4" csg ran / pulled  
(casing seat at 517')

8-5/8" 24# csg @ 1208'  
(no record of cement)

7" 22# csg @ 1978'  
- Per WV Dept of Mines Well Records casing cemented, volume and top unknown

Light grey fill indicates originally installed cement

5-1/2" 17# csg @ 4680'  
- Per WV Dept of Mines Well Records casing cemented 110', no record of volume or where it was placed

2-3/8" tubing @ 4814'

TD 4848'

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01/13/2023

WW-4A  
Revised 6-07

1) Date: 11/14/22  
2) Operator's Well Number  
Ripley 7302

3) API Well No.: 47 - 035 - 00527

**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>Joseph A. and Beverly A. Smith</u>	Name <u>Not operated</u>
Address <u>PO Box 117</u>	Address _____
<u>Sandyville, WV 25275</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Road</u>	Name _____
<u>Ripley, WV 25271</u>	Address _____
Telephone <u>304.380.7469</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 Columbia Gas Transmission  
 By: Maria Medvedeva  
 Its: Senior Wells Engineer - Well Engineering and Technology  
 Address 1700 MacCorkle Ave SE  
Charleston, WV 25314  
 Telephone 304-410-4313

*[Handwritten Signature]*

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NOV 15 2022

Subscribed and sworn before me this 14th day of November 2022  
Rebecca K. Warnick Notary Public  
My Commission Expires 6/30/2026

WV Department of Environmental Protection

**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

4703500527P

**Columbia Gas Transmission, LLC**

1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



November 14<sup>th</sup>, 2022

WV DEP – Office of Oil & Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345

In addition to the electronic copy sent today, please find enclosed original notarized copy of the updated surface owner notices for Ripley 7302 well plugging permit shared today with the surface landowners by email and postal mail.

Ripley 7302 (API 47-035-00527)

Please include this notice in the permit package previously submitted to the WV DEP Office of Oil and Gas on 10/14/2022. Email to address below, and return hardcopies of permits to:

Columbia Gas Transmission  
1700 MacCorkle Ave SE  
Charleston, WV 25314  
Attn: Maria Medvedeva

If you have questions, feel free to call.

Regards,

A handwritten signature in black ink, appearing to read "Maria Medvedeva", written over a light blue horizontal line.

Maria Medvedeva  
Senior Wells Engineer  
Well Engineering & Technology  
Columbia Gas Transmission, LLC

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NOV 15 2022

WV Department of  
Environmental Protection



4703500527P

McLaughlin, Jeffrey W &lt;jeffrey.w.mclaughlin@wv.gov&gt;

## Ripley 7302 plugging notice to surface owners

1 message

**Maria Medvedeva** <maria\_medvedeva@tcenergy.com>

Mon, Nov 14, 2022 at 10:11 AM

To: "bvsmith1962@gmail.com" <bvsmith1962@gmail.com>, "McLaughlin, Jeffrey W" <jeffrey.w.mclaughlin@wv.gov>  
Cc: Maria Medvedeva <maria\_medvedeva@tcenergy.com>

Joseph and Beverly Smith, good morning,

I hope this finds you well.

First of all, I would like to apologize for the surface landowner notification issues we've had as related to the Ripley 7302 plugging and abandonment project. I am working with the land department to correct our records. I appreciate you providing the copy of the Deed for the change of ownership of the land the well is located on. Unfortunately, until your Deed has been filed and processed with the Court, we wouldn't have had access to this information. Please see attached the scanned copy of the corrected Notice to Surface Owner and Well Locator Form pages of the Plugging Permit Package previously sent to you in early November. I'm sending the original copies by Priority Mail to you today. These pages are being filed with the WV Department of Oil and Gas as well, to replace the previous forms in the permit application showing Donnie and Joseph Smith as co-joint surface owners.

Thank you for your patience. I look forward to working with you in the coming year.

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Office of Oil & Gas  
NOV 14 2022

WV Department of  
Environmental Protection

**Maria Medvedeva**

Senior Wells Engineer – Well Engineering & Technology

Storage Technical Services

[maria\\_medvedeva@tcenergy.com](mailto:maria_medvedeva@tcenergy.com)

M: +1-304-410-4313



1700 MacCorkle Ave SE

Charleston, WV 25314

[TCEnergy.com](http://TCEnergy.com)

01/13/2023

4703500527P

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2 attachments

-  **Plugging Permit Packet Surf Owner Update Notarized - Ripley 7302.pdf**  
574K
-  **Joseph Beverly Smith Deed - RY 7302 surface land.pdf**  
2599K

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Office of Conservation

NOV 14 2022

WV Department of  
Environmental Protection

01/13/2023

4703500527f

**Columbia Gas Transmission, LLC**

1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



November 14<sup>th</sup>, 2022

Joseph and Beverly Smith  
PO Box 117  
Sandyville, WV 25275

Columbia Gas Transmission, LLC has applied for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. The field and well ID is Ripley 7302 (API 47–035–00527).

On 9/20/22 as part of the well permitting process, Columbia, the well operator, first mailed out a copy of all applicable permit application forms for review and record retention to an address on file for Donnie R. Smith and Joseph A. Smith at 279 Greenhills Road, Sandyville WV 2527. On 11/04/22 a second copy of the permit application was mailed to Joseph A. Smith at a second address of PO Box 117, Sandyville, WV 25275. Due to a delayed court deed processing, it was not accounted that the property went through a change of ownership. Please see attached corrected surface owner data on applicable permit package pages.

Regards,

A handwritten signature in black ink, appearing to read "Maria Medvedeva".

Maria Medvedeva  
Senior Wells Engineer  
Well Engineering & Technology  
Columbia Gas Transmission, LLC

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**NOV 15 2022**  
WV Department of  
Environmental Protection

(3)  
160

THIS DEED, Made this the 9 th day of <sup>May</sup> April, 2016, by and between  
**JAMES A. SMITH, II**, Grantor, and **JOSEPH A. SMITH AND BEVERLY A. SMITH**, husband and wife, as joint tenants, with right to survivorship, Grantees.

**WITNESSETH:** That for and in consideration of the sum of Ten Dollars (\$10.00) cash in hand paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, with covenants of **GENERAL WARRANTY** and subject to the reservations, restrictions and exceptions hereinafter contained, the said Grantor does hereby **GRANT** and **CONVEY** unto the said Grantees, as joint tenants, with rights to survivorship, the surface only of that certain lot, tract or parcel of real estate situate, lying and being on the waters of Beaty's Run, a tributary of Sand Creek, Ravenswood District, Jackson County, West Virginia, being more particularly bounded and described as follows:

**BEGINNING** at a stake in the right-of-way line West Virginia State Route No. 56, also a corner to Smith land; thence with said right-of-way line N. 53° 15' E. 71.4 poles to a stake in the bank of Beaty's Run; thence S. 64° 00' W. 125.2 poles to a Black Oak in line of Matheny; thence with said Matheny line, S. 41° 00' E. 37 poles to a post (where Beech and Poplar is called for in old deed); thence N. 75° 15' E. with old Harrison Line to the place of beginning containing 42 acres, more or less.

And being all of the same real estate conveyed unto Donnie R. Smith and James A. Smith by Leah R. Chappell, Esq. and Kennad L. Skeen, Esq., Co-Special Commissioners, by deed dated the 23rd day of April, 2009, of record in

the office of the Clerk of the County Commission of Jackson County, West Virginia, in Deed Book 408, at page 121.

Excepting and reserving the following lot, tract or parcel of real estate, situate, lying and being the District of Ravenswood, County of Jackson, and State of West Virginia, on the Water of Sand Creek, and more particularly bounded and described as follows:

**BEGINNING** at a black oak at the northwest corner of the tract hereby conveyed and in line of Matheney lands. Thence N. 64° E. 27.6 poles to an iron stake; thence S. 49° E. 46 poles to an iron stake in Harrison line; thence with said Harrison line S. 75° 15' W. 37 poles to a post (where beech and poplar, now gone, is called for in old deeds) in said Matheney line; thence with line of said Matheney N. 41° W. 37 poles to the place of beginning, containing seven (7) acres, 99 square rods, be the same more or less, and being the same lot, tract or parcel of real estate surveyed and platted by Sommerville and Hutchinson, Surveyors, a copy of which plat bearing date the 13th day of February, 1962, being attached hereto and made a part thereof, reference to which is here made for amore particular description of the real estate hereby conveyed.

This conveyance is made and accepted subject to all and every lawfully perfected right-of-way, easement, encumbrance, lien and condition appearing in the chain of title or otherwise apparent from an inspection of the premises and is further made subject to all prior reservations and exceptions of predecessors in title in and to the oil, gas and other minerals within and underlying said tract of real estate.

Under the penalties of fine and imprisonment, as provided by law, the undersigned Grantor, hereby declares that the total consideration paid for the

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Instrument No 26436  
Date Recorded 06/11/2016  
Document Type DEE  
Pages Recorded 3  
Book-Page 466-365  
Recording Fee \$11.00  
Additional \$5.00

property transferred by this document is less than One Hundred Dollars (\$100.00).

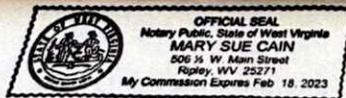
WITNESS the following signatures as of the date first above written:

*James A. Smith*  
James A. Smith

STATE OF WEST VIRGINIA,  
COUNTY OF JACKSON, to-wit:

The foregoing was acknowledged before me this 9<sup>th</sup> day of May,  
2016, by James A. Smith, II.

My commission expires: February 18, 2023.



*Mary Sue Cain*  
Notary Public

THIS DEED WAS PREPARED FROM UNVERIFIED INFORMATION. NO EXAMINATION WAS REQUESTED AND THE ATTORNEY PREPARING THIS DEED DID NOT PERFORM AN EXAMINATION OF TITLE. NO RESPONSIBILITY IS ASSUMED FOR TITLE OR DESCRIPTION PROBLEMS.

This instrument prepared by:  
DAVID K. MOORE, WVSB #2606  
PO Box 722  
Ripley, WV 25271  
304-372-3666

4703500527P

WW-7  
8-30-06



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Office of Oil & Gas  
NOV 15 2022

West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-035-00527 WELL NO.: Ripley 7302

FARM NAME: Norman E. Smith, Et Ux

RESPONSIBLE PARTY NAME: Columbia Gas Transmission, LLC

COUNTY: Jackson DISTRICT: Ripley

QUADRANGLE: Sandyville

SURFACE OWNER: Joseph A. and Beverly A. Smith

ROYALTY OWNER: Lease #1090471-000, Norman E. & Flossie G. Smith

UTM GPS NORTHING: 4305471.24

UTM GPS EASTING: 441459.22 GPS ELEVATION: 178.448m (585')

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:  
Survey grade GPS  : Post Processed Differential

Real-Time Differential

Mapping Grade GPS  : Post Processed Differential

Real-Time Differential

- 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.

Wells Engineer STS 11/14/22  
Signature Title Date

01/13/2023

**Columbia Gas Transmission, LLC**

1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



October 14, 2022

Donnie R. Smith and Joseph A. Smith  
279 Greenhills Rd  
Sandyville, WV 25275

Columbia Gas Transmission, LLC has applied for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. The field and well ID is Ripley 7302 (API 47-035-00527).

As part of the well permitting process, Columbia, the well operator, provided you a copy of all applicable permit application forms for review and record retention on 9/22/2022.

Since the initial notification, due to material availability, a different cement material may have to be utilized than originally stated for plugging operations on the reference well. We intend to use API Class A cement to the extent that it is available. If Class A is not available, we will use API Class L cement as per the approved WVDEP Variance Order No.2022-13, attached.

Regards,

Maria Medvedeva  
Senior Wells Engineer  
Well Engineering & Technology  
Columbia Gas Transmission, LLC

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ™.	
Sandyville, WV 25275	
<b>OFFICIAL USE</b>	
Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	\$3.25
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$9.90
Total Postage and Fees	\$17.15
 10/14/2022	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> Donnie R. Smith <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: Donnie and Joseph Smith 279 Greenhills Rd Sandyville, WV 25275	B. Received by (Printed Name) Donnie R. Smith C. Date of Delivery 10-20-22
2. Article Number (Transfer from service label) 7021 1970 0001 1851 2869	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery

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WV Department of  
Environmental Protection

[www.tcenergy.com](http://www.tcenergy.com)



9590 9402 6856 1104 6692 31

01/13/2023




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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
Phone (304) 926-0450

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

**BEFORE THE OFFICE OF OIL AND GAS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATE OF WEST VIRGINIA**

<b>IN THE MATTER OF A VARIANCE FROM ) LEGISLATIVE RULE 35CSR4 ) SECTION 14.1. AND LEGISLATIVE RULE ) 35CSR8 SECTION 20.1, ) RELATING TO THE CEMENTING ) OF OIL AND GAS WELLS )</b>	<b>ORDER NO. 2022-13</b>
--	--------------------------

**REPORT OF THE OFFICE**

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

**FINDINGS OF FACT**

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

Promoting a healthy environment.

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4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

### CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

### ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief  
Office of Oil and Gas

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4703500527F

WW-4A  
Revised 6-07

OK # 34694  
15000

1) Date: 04/28/2022  
2) Operator's Well Number  
Ripley 7302  
3) API Well No.: 47 - 035 - 00527

**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>Donnie R. Smith and Joseph A. Smith</u>	Name <u>Not operated</u>
Address <u>279 Greenhills Road</u>	Address _____
<u>Sandyville, WV 25275</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address <u>NO LONGER SURFACE OWNER</u>	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Road</u>	Name _____
<u>Ripley, WV 25271</u>	Address _____
Telephone <u>304.380.7469</u>	_____

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

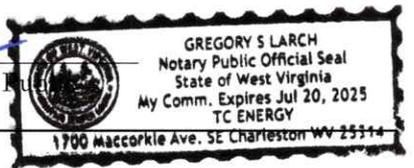
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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 Columbia Gas Transmission  
 By: Maria Medvedeva  
 Its: Senior Wells Engineer - Well Engineering and Technology  
 Address 1700 MacCorkle Ave SE  
Charleston, WV 25314  
 Telephone 304-410-4313

Subscribed and sworn before me this 21 day of Sept 2022  
My Commission Expires July 20 2025



**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

01/13/2023

**SURFACE OWNER WAIVER**

Operator's Well  
Number

Ripley 7302

**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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

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OCT 05 2022

WV Department

**Time Limits and methods for filing comments.** The law requires these materials to be received 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,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

01/16/2023

WW-4B

API No. 47-035-00527  
Farm Name \_\_\_\_\_  
Well No. Ripley 7302

Coal not operated

**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 \_\_\_\_\_

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Environmental Protection

01/13/2023

4703500527P

Columbia Gas Transmission, LLC  
1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



September 20, 2022

Donnie R. Smith and Joseph A. Smith  
279 Greenhills Rd  
Sandyville, WV 25275

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OCT 05 2022

WV Department of  
Environmental Protection

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Ripley 7302 (API 47-035-00527).

As part of the well permitting process, Columbia, the well operator, is required to provide a copy of all applicable permit application forms for your review and record retention.

Regards,

Maria Medvedeva  
Senior Wells Engineer  
Well Engineering & Technology  
Columbia Gas Transmission, LLC

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

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

Sandyville, WV 25275

**OFFICIAL USE**

Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	\$3.25
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.10
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$8.95
<b>Total Postage and Fees</b>	<b>\$16.20</b>

Sent To: Ripley 7302  
Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

SEP 21 2022  
Postmark Here  
CHARLESTON, WV 25301

7022 0410 0002 7183 2267

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY															
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		<p>A. Signature  <input checked="" type="checkbox"/> <i>Donnie R. Smith</i> <input type="checkbox"/> Agent  <input type="checkbox"/> Addressed to Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery _____</p>															
<p>1. Article Addressed to:</p> <p>Donnie &amp; Joseph Smith 279 Greenhills Rd Sandyville, WV 25275</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes          If YES, enter delivery address below: <input type="checkbox"/> No</p>															
<p>2. Article Number (Transfer from service label)</p> <p>7022 0410 0002 7183 2267</p>		<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restrict Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Mail Restricted Delivery</td> <td></td> </tr> </table>		<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restrict Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Mail Restricted Delivery	
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9590 9402 6856 1104 6539 57

01/13/2023

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

WW-9  
(5/16)

API Number 47 - 035 - 00527  
Operator's Well No. - Ripley 7302

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

Operator Name Columbia Gas Transmission OP Code 307032

Watershed (HUC 10) Beatty Run Quadrangle Sandyville

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: fresh water, brine, cement returns, bentonite gel

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number 34-167-23862 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Mud Master 64054; Reserve Environmental Services (WMGR 123SW008)  
Appalachian Water Services (WMGR 123SW001))

Will closed loop system be used? If so, describe: No

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? \_\_\_\_\_

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on 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 \_\_\_\_\_

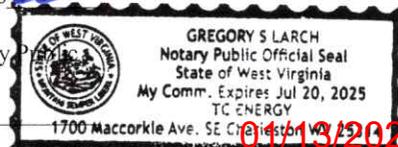
Company Official (Typed Name) Maria Medvedeva

Company Official Title Senior Wells Engineer - Well Engineering and Technology

Subscribed and sworn before me this 21 day of Sept, 2022

\_\_\_\_\_  
Notary

My commission expires July 20 2025



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Environmental Protection

Proposed Revegetation Treatment: Acres Disturbed <1.0 Prevegetation pH 6 - 7

Lime 2 Tons/acre or to correct to pH 7 - 8

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch hay or straw @ 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Rye	40	Orchard Grass and/or Tall Fescue	29
		Birdsfoot trefoil (empire)	9
		Annual Rye	12

For wetland areas: Annual Rye (40 lbs/acre) until indigenous plants re-establish cover.

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: Joe Taylor

Comments: \_\_\_\_\_

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Title: Joe Taylor

Date: 9-26-22

Field Reviewed?  Yes  No

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

Operator Name: Columbia Gas Transmission LLC  
Watershed (HUC 10): Beatty Run Quad: Sandyville  
Farm Name: \_\_\_\_\_

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

- No fluids planned to be discharged.  
- No fertilizer will be stored on site. Small quantities of fuel, oil, and lubrications will be stored on site, but located within secondary containment.  
- Accidental release from well fluids and spills from construction equipment are the only sources of contaminants to groundwater.  
- All accumulated fluids to be hauled off site to UIC disposal facility.

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

All construction and well servicing equipment will be monitored and inspected daily for leaks. Spill kits will be on site.

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

Beatty Run is at a distance of 0.06 miles W.  
  
The well is located within the Mason Co PSD-Letart (WV3302713c) Well Head Protection Area. The Ravenswood Municipal Water Works is at a distance of 5.33 miles NW from discharge area. Roane-Jackson Technical Center (WV9918002) is a Well Head Protection Area at a distance of 7.57 miles SE from discharge area.

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

N/A

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

N/A

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

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.

During routine tailgate meetings, groundwater protection will be a topic of discussion.

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

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubricants will be stored on site, but located within secondary containment. Accidental release from well fluids and spills from construction equipment are the only sources of contaminants to groundwater.  
All construction and well servicing equipment will be monitored and inspected daily for leaks or spills.

Signature: [Handwritten Signature]

Date: 09/20/2022

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Environmental Protection

01/13/2023

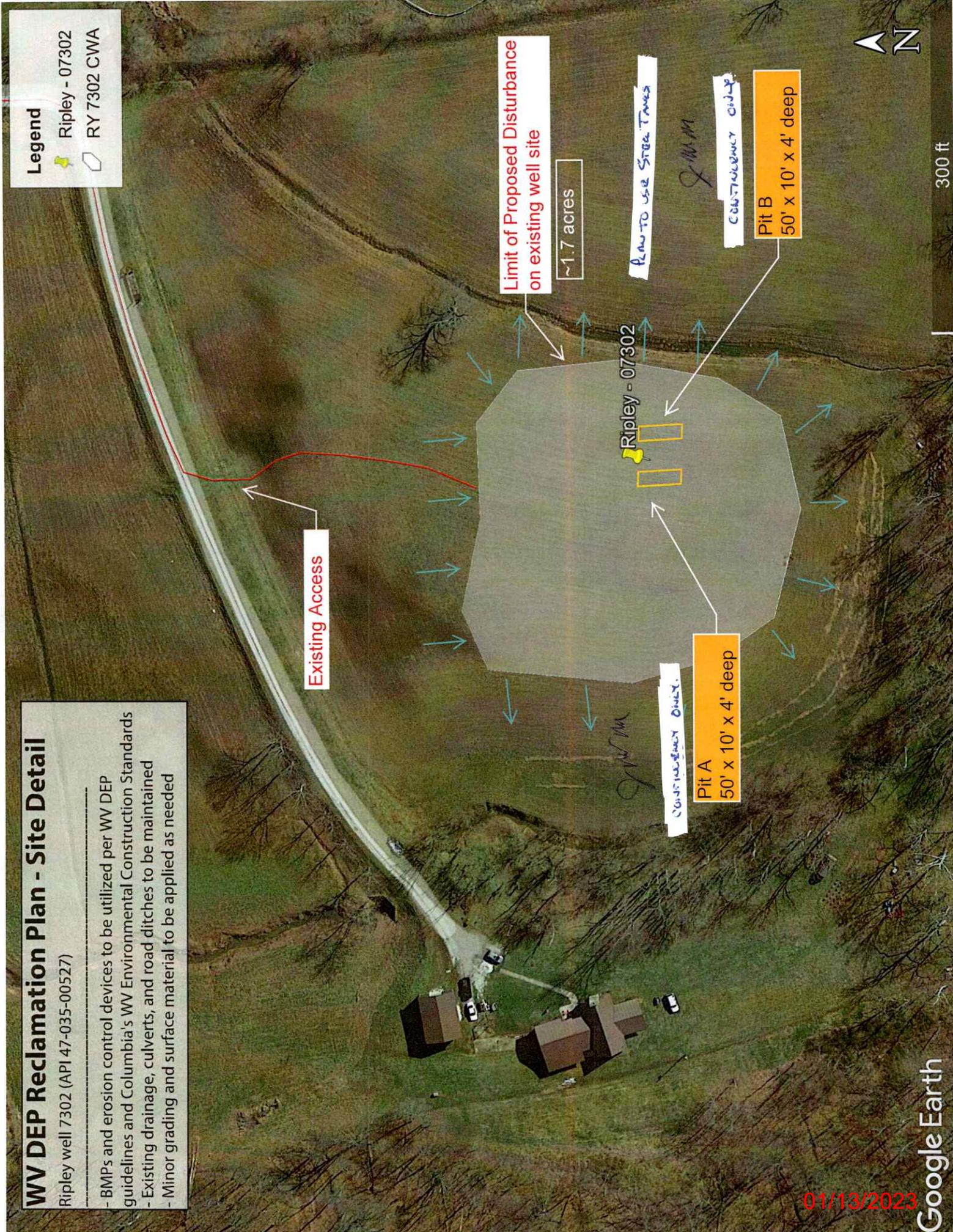
# WV DEP Reclamation Plan - Site Detail

Ripley well 7302 (API 47-035-00527)

- BMPs and erosion control devices to be utilized per WV DEP guidelines and Columbia's WV Environmental Construction Standards
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and surface material to be applied as needed

## Legend

- Ripley - 07302
- RY 7302 CWA



01/13/2023

Google Earth

4703500527P

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*Handwritten notes and signatures at the top of the page.*

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Environmental Protection

4703500527P

9-22-22  
*[Signature]*

### WV DEP Reclamation Plan - Overview

Ripley well 7302 (API 47-035-00527)

- BMPs and erosion control devices to be utilized per WV DEP guidelines and Columbia's WV Environmental Construction Standards
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and surface material to be applied as needed

### Legend

- Ripley - 07302
- RY 7302 CWA



Existing Access Road

Google Earth

01/13/2023

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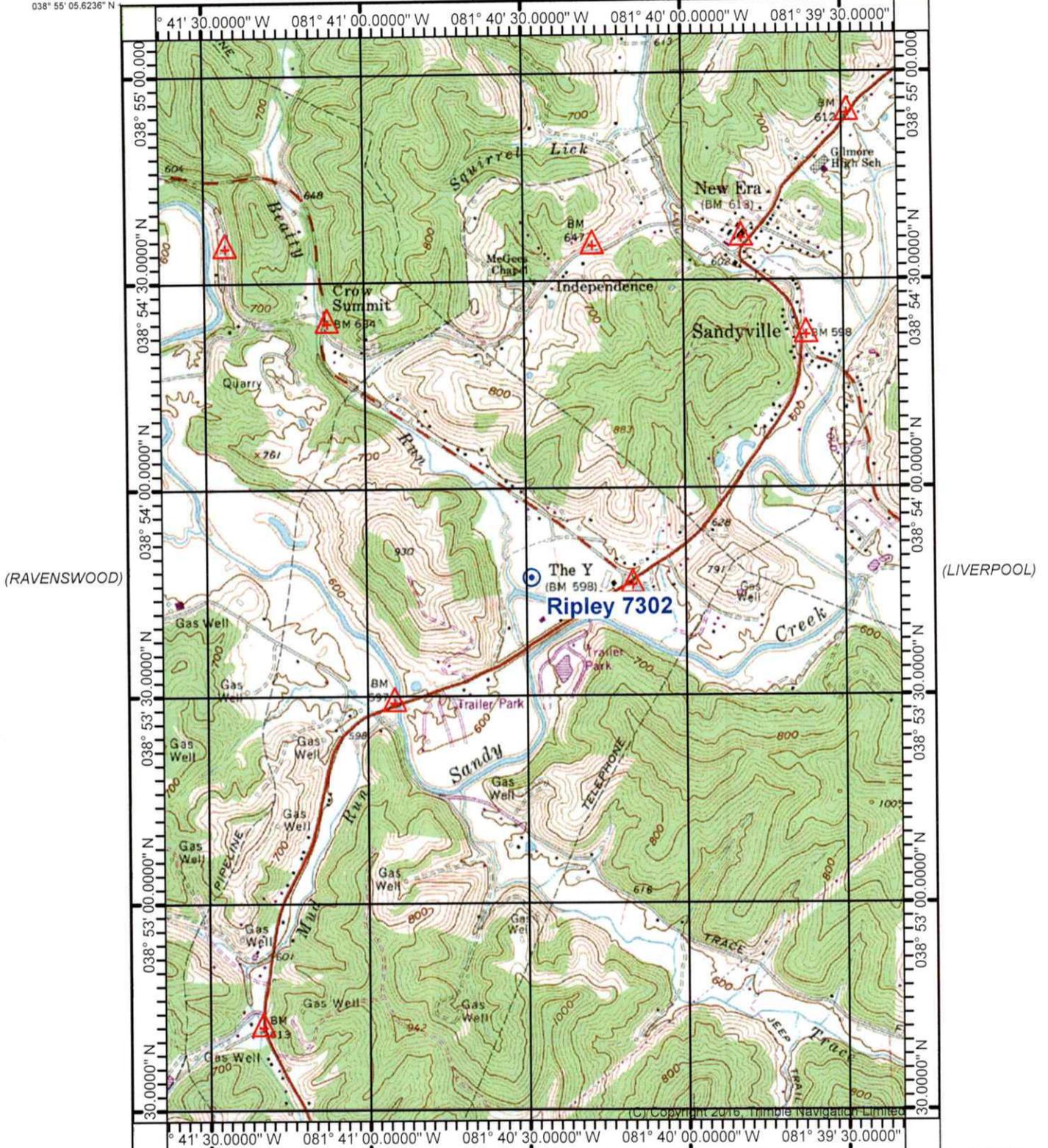
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Environmental Protection  
SANDYVILLE QUADRANGLE  
WEST VIRGINIA  
TOPOGRAPHIC SERIES (ROCKPORT)

(PORTLAND) 

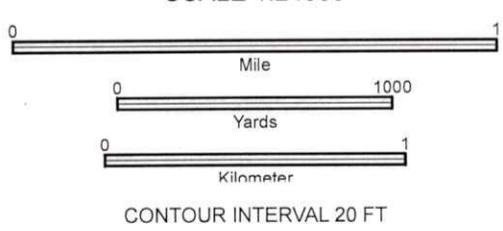
081° 41' 38.3615" W (POND CREEK) 081° 39' 19.0242" W  
038° 55' 05.6236" N 038° 55' 05.6236" N



038° 52' 27.8945" N (COTTAGEVILLE) 081° 41' 38.3615" W (RIPLEY) SCALE 1:24000 (GAY) 038° 52' 27.8945" N 081° 39' 19.0242" W  
Printed: Fri Jan 21, 2022

Produced by Trimble Terrain Navigator Pro  
Topography based on USGS 1:24,000  
Maps  
North American 1983 Datum (NAD83)  
To place on the predicted North American  
1927 move the projection lines 9M N and  
13M E

Declination  
★  
MN  
GN  
GN 0.42° W  
MN 7.82° W



38081-H5-TM-024  
SANDYVILLE, WV  
JAN 1, 1988

01/13/2023

4703500527P

WW-7  
8-30-06



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NOV 15 2022

West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-035-00527 WELL NO.: Ripley 7302

FARM NAME: Norman E. Smith, Et Ux

RESPONSIBLE PARTY NAME: Columbia Gas Transmission, LLC

COUNTY: Jackson DISTRICT: Ripley

QUADRANGLE: Sandyville

SURFACE OWNER: Joseph A. and Beverly A. Smith

ROYALTY OWNER: Lease #1090471-000, Norman E. & Flossie G. Smith

UTM GPS NORTHING: 4305471.24

UTM GPS EASTING: 441459.22 GPS ELEVATION: 178.448m (585')

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:

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

Survey grade GPS X: Post Processed Differential X

Real-Time Differential \_\_\_\_\_

Mapping Grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_

Real-Time Differential \_\_\_\_\_

- 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.

[Signature]  
Signature

Wells Engineer STS  
Title

11/14/22  
Date

01/13/2023



Kennedy, James P <james.p.kennedy@wv.gov>

---

## plugging permit issued 4703500527

1 message

---

**Kennedy, James P** <james.p.kennedy@wv.gov>

Tue, Jan 10, 2023 at 2:35 PM

To: maria\_medvedeva@tcenergy.com, Joseph D Taylor <joseph.d.taylor@wv.gov>, Lisa.Myers@jacksoncountywv.com

To whom it may concern, a plugging permit has been issued for 4703500527.

James Kennedy

WVDEP OOG

---

### 2 attachments

 **IR-8 4703500527.pdf**  
120K

 **4703500527.pdf**  
8136K

01/13/2023