

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

Monday, May 3, 2021 WELL WORK PLUGGING PERMIT Vertical Plugging

COLUMBIA GAS TRANSMISSION, LLC STORAGE TECHNICAL SERVICES - 6TH FLOOR 1700 MACCORKLE AVE. SE. CHARLESTON, WV 25314

Re: Permit approval for 1852 47-051-00264-00-00

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.

Operator's Well Number: 1852 Farm Name: MATHEWS, G. U.S. WELL NUMBER: 47-051-00264-00-00 Vertical Plugging Date Issued: 5/3/2021

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. <u>Failure to adhere to the specified permit</u> 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.

WW-41 Rev.	B 2/01	470510026 4P 1) Date January 6 2) Operator's Well No. Victory B 1852 3) API Well No. <u>47-051</u> - 00264-00-00
	DEPARTMENT OF ENV	WEST VIRGINIA TRONMENTAL PROTECTION F OIL AND GAS
	APPLICATION FOR A PE	RMIT TO PLUG AND ABANDON
4)	(If "Gas, Production or U	<pre>id injection/ Waste disposal/ Inderground storage X) Deep/ Shallow X Watershed Ben Run - A Tributary of Fish Creek</pre>
5)	Location: Elevation 1472.3 District Liberty	County Marshall Quadrangle Cameron, WV
6)	Well Operator Address Columbia Gas Transmission, LLC 1700 MacCorkle Avenue S.E., P.O. Box 127 Charleston, WV 25325	
8)	Oil and Gas Inspector to be notified	
	Name_James Nicholson Address P.O. Box 44	
	Moundsville, WV 26041	

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.

RECEIVED Office of Oil and Gas

JAN 2 1 2021

WV Department of Environmental Protection

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

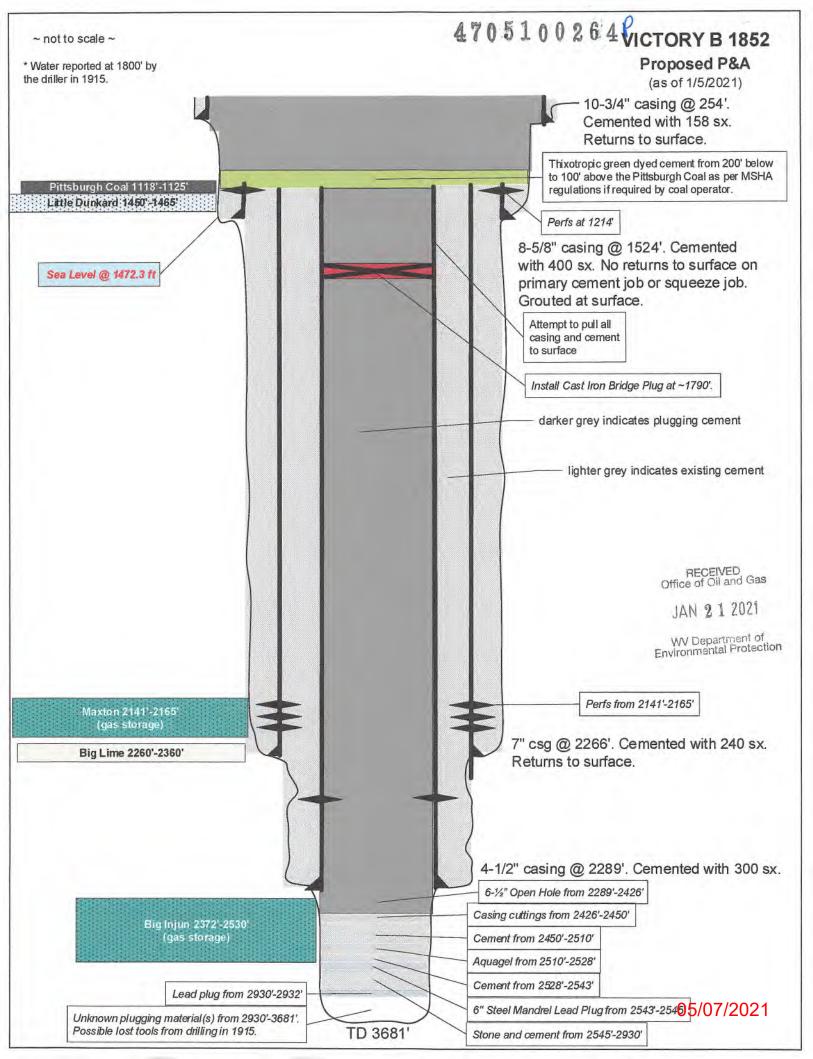
Work order approved by inspector Barry Stollings

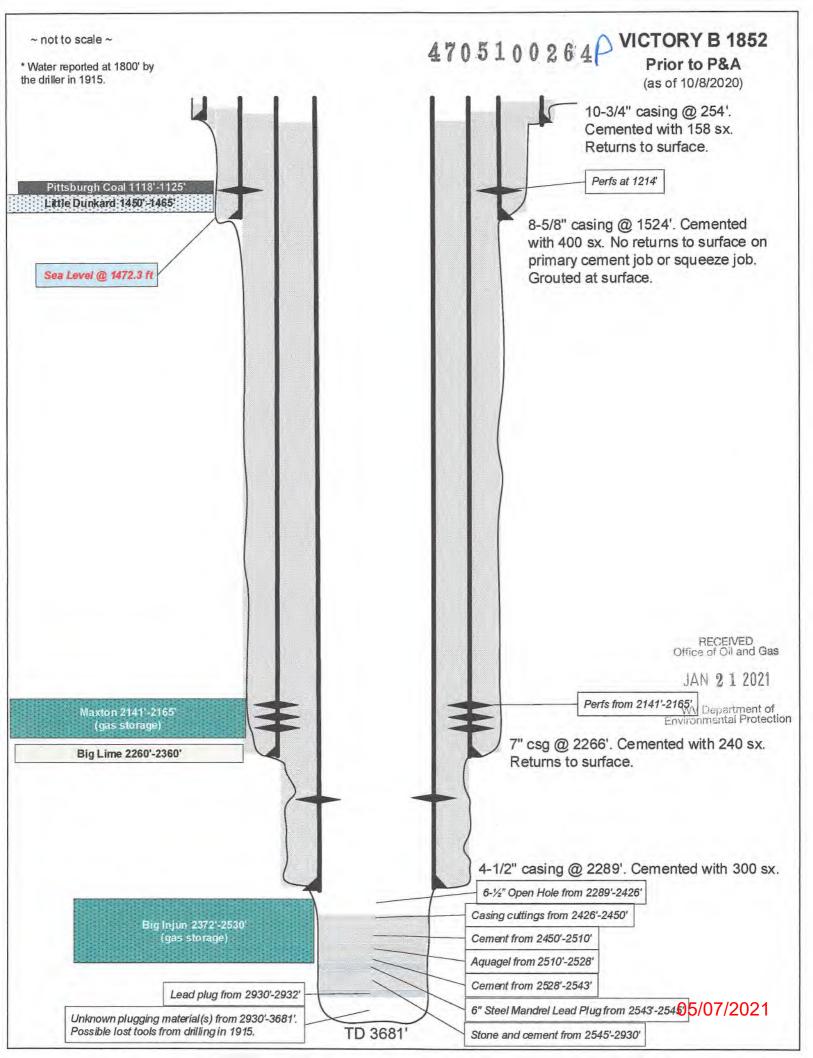
Date 1-12-21



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Need kill choke outlets below blind rams. unction and pressure test low / high to 250 psig / 1000 psig. Wreline freepoint and cut / pull all 4-1/2" casing that is free. <i>Consult with WE&T Engineer to determine whether CBL needs to be ran inside</i> 7". Wireline freepoint and cut / pull all 7" casing that is free. <i>Consult with WE&T Engineer to determine whether CBL needs to be ran inside</i> 7". 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Secure BOPs to eliminate free movement. ressure test low/high to 250/1600 psig using packers et <30 ft. Pressure test TW/stabbing valves. UI RPA and obtain CBL from TD to surface - keep hole full while logging. Notify WET engineer for CBL evaluation. II with WF&T Engineer on results of CBL. Procedure may change depending on evaluation. II with wrok string and cut-lip shoe. Clean to TD at ~2426'. irculate two bottoms up. pot balanced cement plug. Ib WID work string and cut-lip shoe. Clean to TD at ~2426'. Irculate two bottoms up. pot balanced cement plug. ID BOPs, install pulling nipple on 4-1/2'' and 7'', dress 8-5/8'' to accommodate BOPE. UI '1'' BOPE (blind + pipe) and annular on 8-5/8'' casing. Need kill choke outlets below blind rams. unction and pressure test low / high to 250 psig / 1000 psig. Vireline freepoint and cut / pull all 4-1/2'' casing that is free. forsult with WE&T Engineer to determine whether CBL needs to be ran inside 7''. 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05/07/2021





STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

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FORM OG-8

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05/07/2021

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MISC. Dep TH MEASUREMENT TAKEN FROM: Dist. TO GROUND ELEVATION MISC. Dorrick Floor Ground Other (Specify) 2 % 11/79' MISC. Dorrick Floor Ground Other (Specify) 2 % 11/79' LOGGED LOGGED BY (COMPANY) DATE LOGGED, 10 % 11/79' Wisc. No Schlumberger Well Survey Corp. 10 % 10 % * Note: Form PD-17 "Well Fracture Report" to be completed and attacked. # applicable 2 8 162 2 8 162 * Note: Form PD-17 "Well Fracture Report" to be completed and attacked. # applicable 2 8 162 2 8 162 Well was leaking gas from deeper sands. Pulled 2539' of 11/2" Tubing, Cemented back From 2510' to 21:50' through 2" Tubing. Cut Window in 7" Case. from 2073' to 2090' N/ Serveo Section Mill & Undereamed a 112" hole from 2073' to 2079'8" W/Serveo Hole Opener. Cut Window in 7" Casing from 1675' to 1685' W/Serveo Section Mill. Run 112" Tubing to 2289' & Cemented. 21' of Casing Cuttings left in hole from 21:50' to 21:26'. The 10", 8" & 7" Casings remain the same as was installed on W.0.1253-L-606-11.		3 5	52									22	585 -					1
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MISC. Image: Subscription of the subscri	t i	(I			Î			1		1				-		•		-
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Image: Second point of the same as was installed on W.0.1253-L-606-h. Image: Second point Image: Second point </td <td>HISC.</td> <td></td> <td>Floor</td> <td></td> <td>ay In</td> <td></td> <td></td> <td>pecify)</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>2 ft.</td> <td>31.7</td> <td>91</td> <td>1</td>	HISC.		Floor		ay In			pecify)			-				2 ft.	31.7	91	1
* Note: Form PD-17 "Well Fracture Report" to be completed and attached. W applicable 		X Yes	the second second second	Sch	umb	erger	We.	11 Su	rvey	Corp					12	C LO	IZ4	4
from 2510! to 2h50! through 2" Tubing. Cut Window in 7" Csg. from 2073! to 2090! W/ Servco Section Mill & Undereamed a 112" hole from 2073! to 2079'8" W/Servco Hole Opener. Cut Window in 7" Casing from 1675! to 1685! W/Servco Section Mill. Run han Tubing to 2289! & Cemented. 24! of Casing Cuttings left in hole from 2450! to 2426!. The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-4.		* Note: For	m PD-17 **	Well Fractur	Repo	n** to b	e com	pleted a	nd attac	bed. if	applic	sòle				<u></u>	102	
from 2510! to 2h50! through 2" Tubing. Cut Window in 7" Csg. from 2073! to 2090! W/ Servco Section Mill & Undereamed a 112" hole from 2073! to 2079'8" W/Servco Hole Opener. Cut Window in 7" Casing from 1675! to 1685! W/Servco Section Mill. Run han Tubing to 2289! & Cemented. 24! of Casing Cuttings left in hole from 2450! to 2426!. The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-4.		Well we	as leak	ing gas	fro	n dee	per	sand	s. Pu	lled	253	91 of	· 1금기 Tu	bing.	Cemen	ted ba	ack	1
REMARKS Servco Section Mill & Undereamed a 11 ¹ / ₂ " hole from 2073' to 2079'8" W/Servco Hole Opener. Cut Window in 7" Casing from 1675' to 1685' W/Servco Section Mill. Run 4 ¹ / ₂ " Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.0.1253-L-606-4.																		au tra
Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.C.1253-L-606-4.	1																	
Opener. Cut Window in 7" Casing from 1675' to 1685' W/Servco Section Mill. Run 42" Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-4.	REMARKS	Serveo	Section	n Mill &	Un	ierea	med	a 11	a" ho	le fi	rom	20731	to 207	9181 1	N/Serve	to Ho	le	
Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.C.1253-L-606-4.	-	Opener.	Cut W	indow in	7"	Casi	ng i	from	1675	to :	1685	W/s	ervco S	ectio	n Mill.	. Run	4章	
The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-L.								-34-57		10000							1	1
	1																c420'	N
stach additional sheets and forward to Production Dept. Pittsburgh General Office	tter aller											stall	ed on W	.0.12	53-I-60	06-4e		y.

Form PD-44b .

4.

COLUMBIA GAS SYSTEM - PITTSBURGH GROUP COMPANIES

WELL LOG SUMMARY

1 of 1 Sheets

.

		Gay B. Hat		COUNTY Marshell 47015100264
RIGIN OF FORMATION DEPTHS		riller's Log		REMARKS
FORMATION	ТОР	BOTTOM	THICKNESS	(Water, Gas, Oil encountered-Open Flows-Rock Pressure-etc.)
Pitteburgh Coal	8111	1125	7	
Burphy Sand	1235	1255	20	
Big Durkard	1605	1627	22	
lst Salt Sand	1784	1825	h	
2nd Salt Sand	1935	1960	25	
Haxton Sand	221-7	2165	24	
Big IBJAK Line	2255	2290	8	
Big Injun	.2295	2530	235	
Total Depth		21,26		
his Tubing set 8 2291'				
•			. •	
				Note: Hell was licking gas from deeper
				RECEIVED sands, Pulled 2539* efficit Tubing, Office of Oil and
·				Commented back from 2510 to 2150 W/2* JAN 2 1 20
	1	1	1	Tubing, fat winder in 7 Onding from
	-	1		WV Departmen 2073' to 2090' W/Servec Section Minvironmental Prot
	-		1	and Underson a 113" Hole from 2073' to
				2079'8" W/Serveo Hole Opener. Cut
		+		Hindow in 7" Custag from 1675" to 1685"
				H/Serves Section Mill. Run Lin Tubing
				to 2289' & Cesented W/300 Bg. Commit,
	-		+	
				lh.57 per gal.good raturn of cement at
			·	surface, bin Tubing set on a Formation
				Racker Shoe set at 2291*. 2h* of Casing
				Cuttings left in hole from 2650 to 2620
			-	
				1
•			_	<u> </u>
		<u> </u>		

Division Record of	well No	1852		n G.B.	Methows		1.1	Farm			Acr	A	10
Cameron		Field	Libert			ershall	1	Count	y Tea	\$ Va.	Sta	te	
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-1947 -	Commenced	Becenber	24, 1	9 53	Co	mpleted	Oct	ober	10.		19 5		
	r L.G.IS				Ad	Idress C	amer	on, I	lest V	irgini	ž,		
			r. Sdieoz	: Isiming	er, Homer	, Antil							
										_			
		1		CASING	AND TUBIN		1		-	-	- 1		-
0.0120	Conductor	18"	10**	31/4"	q#	6 5/8/	53	/16″	4"		30	-	
Used in Drig.			10000	Multiple	125 124		-		5 1210				-
Left in well			256*	1535	2283*	SHOO	TING	RECO	25391		_		1
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dize	Depth Set	Type Packer	Date		(0:051VP	Amount	1 21	00	Botte	m Be	fore Cu. Ft.	1	ter Cu. Ft.
= 7"	2224	Anchor	10.26.5			-	21	4	2165	89	326	29.3	26
_	1	1		Ve	DLUME AND	PRESSUR	KE	PRESS	URE IN	MIN.	1	1	1
Data	Reading in Inches	Ligaid	Size Orifice	Volume		Sand	1	5	10	80 60	24 Hour E. P.	Max. R. I	P. Hour
0/26/54	14/10	Nator	Ta	29*326	Big L	ijun	0	5 1/1	2	100	380	500	432
	1	1			Maxto	22	-				294	1	288.
TOTAL I	NITIAL OPEN	FLOW			1		CI	JBIC F	EET PE	R 24 HO	URS	1000 - 1000	
	FORMATIO	N	TOP	BOTTOM	THICKNESS				F	EMARKS			
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sig inju	101.01		2295	2530	335						69 65 6 592 85		1
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tteburgi	1 Coal		1100	1108	1	cement	use	d bet	W0911	the 10	3/4" a	nd 8 5	/8*
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" Casing	set at 2	2671				20 060	ert,	bale	ince i	as fil	ted fro	m top	of
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	é se é					shots.T	-						
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				-	1	Open 21 some ge							_
						294# in	and the second second	Sector States		And the second second			
			1	1	1				200			2. S.	

NOTE-The above blank must be filled out curefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand sud at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.



DEPARTMENT OF MINES OIL AND GAS DIVISION

. cameron

		RS LIGHT AND 1		Casing and	Used in Drilling	Left in Well	Packers	
		Bldg., Pgh.,		Tubing	Drilling	Weit		2
		A	cres_60	Size				
Location (waters). Well No	1852	F	Slev_1479!	18			Kind of Packer	÷
District Liber			rshall	13			Anchor h = 7	-
		fee by			1524	2561	Size of 4 x 7	
		Address		814	1524	15351 22831	Depth set_2224	
Mineral rights are		Adamen		18% 7 ,第59月1181 4	~~~~~	25391	Depta set	<u>+</u>
Drilling commence		Address ber 24, 1953				- 6/57	Perf. top	
Drilling commence Drilling completed		er 10, 1954		2			Perf. bottom	24
Date Shot 10-		n To		Liners Used			Perf. top	£
With							Perf. bottom	n an
		in1				·	bil	.
		in		CASING CEMI	ENTED	SIZE	No. FtDet	e
Volume Rock Pressure			Cu. Ft.		CARL COLOR	750		
Oil			bbls., 1st 24 hrs.		INCOUNTERED			1.00
Fresh water		feet		_1100 FRE	TINCH			- T.H.
Salt water		feet	feet	FEE	T INCH	TES	FEET INCHE	ŝ
Formation	Color	Hard or Soft	Төр	Bottom	Oil, Gas or Water	Depth Found	Remarks	RECEIVED Office of Oil and
Pittsburg	h Coal		1100	1107 1	In aleening	open	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1943
Little Du	nkard Sand	4	1450	1465 2	2530 to 2930	1.6" Le	ead Flug set at 20	DAD JAN GILL
Maxton Sei Big Injun		(I	2141					
	th for sto	trage	2295 2528	2530 c	If 2543' Sec	.ond lead	6" Plug set at 25 on top of Plug ma	Environmental Pro
1		1464	L'AL	t	the total sta	drage dep	oth to 2528	EL
		(I	× × .	1	158 sacks cer	ement was	used cementing th	18
Waynesburg	c Coal	1	750	754 4	10 3/4 Casin	g, Good r	eturn to surface. 1 between the 10-3	5/1
Mapletown	Coal	6 1	1000	1007 c	casing and 8	3-5/8" No	Return. 8 5/8" ca	asi
Pittsburgh	n Coal	6	1100 ,	1108 W	was perforate	ted at 121	14' and 400 more s	SEC
*		1. 01			ement used a	tetween 1	10 3/4 and 8 5/8" ad to surface but	Va
7" Casing	set at 22	67'		c	cement, bala	ance was f	filled from top of	Ĕ
. 1		(2. CD 14)	allo anak		casing to su	mface.		1324
× •		1 1		s cement use o surface.	d between w	he 0 5/0-	' and 7" casing. g	200)
		1. 1						
	λ.	1	Packer Re			and in		傳
		1 1		nder packer	ker set at 2	304:		a.
		6 11	First Per	rforated joj	int at 2528'	Second P	Perforated Joint a	at
		1	2259 ·	- man shot 1	- Cabulabor	Landth	96 shots. Top of	
		1	2141. Bo	ttom 2165' 1	in the Maxton	ger with sand	96 shors, top or	Sh
1		1	Open flow	w was not in	ncreased afte	er shooti	ng, some gas came	in
	53456		later wit Sand	h a rock pr	essure of 20	9# in 28	8 Hours from Maxt	то.
A	ALL AS	83	Dalla		1.			
(S)	JAN 195	101	1				4.4	
120	ECOPENS	517	1	/ ite	1		- Alter	
	WEST MERIC			/	A	1.1.1		
183	A CALCERT	12:00					- · · · · · · · · · · · · · · · · · · ·	
15787	UEPT. OF MINIS	10. 5				4		
1912	Contractor	5 6		×		1		
19050	UEPT. OF MINUS	3 6						

(Over)

Division Record of a	vell No. 1	852	or	Gay	B. Mather	WS.		Farm				Acre	es		
Cameron		Field	Liber	iy	District	Marshall		Count	У	H. 1	12.4	Stat	e		
tig Comm	enced	May 6.	19	15,	Co	mpleted		3	tay 19		19	53			è i
Drilling Co	mmenced	Hay	21, 19	15,	Co	mpleted			Sept 1		19	53			-
Contractor		adon & Fle				idress			-						-
Driller's N	ame S	. E. Stone	Braker	Gran	t Richer	de	-					_			
	ng at an a state of the m			CASING	AND TUBIN	IG RECORT	2								
	Conductor	13"	10"	81/4#	7"	6 5/8"		/16#	4#	T	8"	T	-		
Jsed in Drig.							-			1	-				
eft in well									1					1	-
PACK	ER RECOR	D		¥		SHOOT	TING	RECO	DRD			-			-
ize	Depth Set	Type Packer	Date	Type Ex	plosive	Amount	-	DEP			Volu Before		1	clume er Cu. Ft.	
	2		- Q	-			To	2	Botto		Belore	JU. FL.	AIP	er Cu. FL	-
				VO	LUME AND	PRESSURI	E								
ata	Reading	Liquid	Size	Volume		Sand		PRESS	URE IN 1			4 Hour R. P.	Max. R. P.	Hours	
	in Inches		Orifice	204/13			1		10			at Fr			-
										-	1		-		
TOTAL IN	TIAL OPEN	FLOW					CI	JBIC F	EET PE	R 24 H	IOUR	5			
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- 2	FORMATIO		101	BOITOM	Thickness				15	1941 / 19 19 19 19 19 19 19 19 19 19 19 19 19					
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Ne	ynesburg	the Coal	750	754								-			
Ma	pletern	Coal	1000	1007			_							Office	CEIV
	ttsburgh	1	1100	1108	-									Office	of Oil
		ukard Sand	1450	1465			_							the second se	1 61
	Casing		1515	-										JA	-
	<u>e Chakar</u>	d Sani	1620	.1655			-							JA	I Depa
	al		1705	1710		-		-				-		Enviro	-
	and Same	@ 30001	1768	1825		Little	Gas	and	Water						-
	1t Sand	a tonn.	1900	1915	1		-								-
	ad .	-	1925	1950	1	1					-	-			÷
	जात. भारते		2010	2050 211.0		-									
	uxim Sami	1	2145	2210	1					-				-	•
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	fty Foot		3112	3240		1			_						
	rdon Str		31.55	3166					_						-
	rdon Sar		3180	3208											
-	orth Sar		324	3254											
	fth Sand		3300	3306	-										
To	tal Dept	h	3681				-			-		-			
															2

NOTE-The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with the line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

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	well No. 1	852		on Gay	ð, m	thes	\$		Farm			-	Acr	es		_
		Field			Town Dista	nship rict			Count	y		·	Stat	æ		_
Rig Comm	enced			19 ,		. Co	mpleted					1	9			-
	ommenced		"•	<u>19</u> ,			mpleted					1	9			-
Contracto Driller's N						Ac	<u>idress</u>									-
Dimer 8 1		· · ·					i.i.,									-
•		•		CASIN	G AND	TUBI	G RECO	RD								-
	Conductor	18″	10″	8 1/4"	7#		65/8"	5 8,	/16*	4	*	8^				-
Used in Drig.										ļ						-
Left in well					<u> </u>		• 									-
PAC	ER RECOR	D					SHOC	T								-
Size	Depth Set	Type Packer	Date	Type I	Explosive		Amount	To		PTH Bo	ttom		olume ire Cu. Ft.		olume er Cu. Ft.	-
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Date ·	Reading in Inches	Liquid	Size Orifice	Volum	ie -	<u>,</u>	Sand ,	1	5	10	80	60	24 Hour R. P.	Max. R. P.	Hours	_
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TOTAL IN	ITIAL OPEN	FLOW					-	CL	JBIC F	EET P	PER 24	4 HOU	RS			
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	i. Tiekter				ard v	ith 3	- 6-5/C) ⁸ èr	y ho	le p.	lags	86 2j	272.			-
Pitass		Wright &	Frank A	land.			ė									CEIVED
Vitasso Lovenbo	: Takter	Gright &	Frank 5 d in 8°	ienc. with 8"	dry h	ale 1		<u>B1g</u>							Office	CEIVED of Oil and C
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Vitasso Novembe Nov. 11 Vitass	: Walter r 10, We Plugg ; Nath J L LEFT JJ	Wright & Ll Plagge ed in 10" Junhon R. H EOLE OR	Frank N d in 8" hole wi L. Reid ACUOSET	iana. with 8* ith 10* d 1 Sam 0	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at l oha l	SLO*		Office JA	CEIVED of Oil and C N 2 1 20
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Vitasso Novembe Nov. 11 Vitassa	: Walter r 10, We , Plugg ; Nath 1 L LEFT 11 2 = 4-3,	Wright & Ll Plagge ed in 10" Junhon R. H EOLE OR	Frank 5 d in 8" bole wi 4. Reid ACUONT STRIS	iana. with 8* ith 10* d 1 Sam 0	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at l oha l	SLO*	•	Office JA W Envir	CEIVED of Oil and C N 2 1 20 Departmental P
Vitasso Novembe Nov. 11 Vitassa	: Walter = 10, Moi - Plugg - Neth J L LEFT 11 2 - 14-3, 2 SET 14 - 14-3, - 14-3, - 14-3, - 14-3, - 14-3, - 14-3, - 14-3, - 10, Moi - 10, Mo	Wright & Ll Phages ed in 10 ⁹ Sanbers & H EOLE OB A ROLE OB A X 146 B	i Frank I in 8" in 10 mi in Reid i Acussi STRIS ARS B JABS	ienc. with 8" ien 10" d i Sam C : 09 FISH	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at l oha l	SLO*		Office JA M Envir	CEIVED of Oil and o N 2 1 20 Departmental P
Vitasso Novembe Nov. 11 Vitassa	: Walter r 10, Wei Plugge 3 Math J L LEFT 11 2 - 1-3, 2 SET 14 2 - 1-3, 2 SET 14 1 - 7/8	Wright & Ll Phages ad in 10" Anders & A EOLE OR A EOLE O	rank B in 8" in 8" i	ienc. with 8" ien 10" d i Sam C : 09 FISH	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Diffice JA Enviro	CEIVED of Oil and o N 2 1 20 Departmental P
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Vitasso Novembe Nov. 11 Vitassa	: Walter = 10, No. - Plugg - Plugg - Neth J L LEFT 11 2 - 14-3, 2 - 14-3, 2 - 14-3, 2 - 14-3, 1 - 14-3, - 14-	Wright & Ll Phages of in 10° Danhess & A HOLE ON A HOLE	i Frank I in 8" in 10 mi in Reid i Acussi Ars Ars I Jabs HE BOPS IN AR	ienc. with 8" ien 10" d i Sam C : 09 FISH	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Office JA W Envir	CEIVED of Oil and o N 2 1 20 Departmental P
Vitasso Novembe Nov. 11 Vitassa	: Walter r 10, Wei Plusse s Math J L LEFT 11 2 - 1-3, 2 SET DA 1 - 7/8 FROM J. 1 - 64 ⁰ 1 - 6-5	Wright & Ll Phages od in 10" Anders & A EOLE ON A EOLE O	ARS ARS ARS ARS ARS ARS ARS ARS ARS ARS	ienc. with 8" ien 10" d i Sam C : 09 FISH	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Office JA Envir	CEIVED of Oil and C N 2 1 20 Departmental P
Vitasso Novembe Nov. 11 Vitassa	: Walter = 10, We = 10,	Wright & Ll Phages ad in 10" Janham R. A HOLE OR A HOLE OR TEIP SPE A" MANDE A COMB.	ARS ARS ARS ARS ARS ARS ARS ARS ARS ARS	ienc. with 8" ien 10" d i Sam C : 09 FISH	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Diffice JA W Envir	CEIVED of Oil and C N 2 1 20 Departmental P
Vitasso Novembe Nov. 11 Vitassa	: Walter : 10, Wei : 10, Wei : Plusse : Math J 2 = 1,=3, 2 = 2,=3, 2 = 2,=3, 2 = 2,=3, 2 = 2,=3, 1 = 2,5, 1 = 1,0 1 = 6,0 1 = 6,5, 1 = 6,5,5, 1 = 6,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5	Wright & Ll Phages od in 10" Annham R. A HOLE ON A	ARS BARANS ACCOUNT STRES ARS B JARS B JARS	ienc. with 8" ien 10" d i Sam C : 09 FISH	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Diffice JA W Enviro	CEIVED of Oil and O Departmental P
Vitasso Novembe Nov. 11 Vitassa	: Walter = 10, We = 10, We = Plugge : Nath J L LEFT JJ 2 = 1-3, 2 = 2-3, 2 = 2-3, 1 = 2-3, 1 = 7/8' FROM J. 1 = 6-5, 1 = 6-5, 1 = 6-5, 1 = 6-5, 1 = MILL FROM CON	Wright & Ll Phages ad in 10" Annham R. A HOLE ON A	AR SOCKET	ienc. with 8" ien 10" d i Sam C : 09 FISH	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Pl Office JA Envir	CEIVED of Oil and C N 2 1 20 Departmental P
Vitasso Rovenbe Nov. 11 Vitassa	: Walter r 10, We Plugg s Nath J L LEPT 11 2 = 1-3, 2 SET 12 1 = 1-3, 1 = 14 1 = 7/6' FROM 4. 1 = 6-5, 1 = 6-5, 1 = MILL FROM GON 1 = SUB	Wright & Ll Phages ad in 10" Annham R. A HOLE ON A	i Frank I in 8" in 8" in 8" in 8" i 2010 wi i 2009377 STRIS	kend. with 8" ish 10° d Seen C SOCKET SOCKET	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Pl Office JA Envir	CEIVED of Oil and C N 2 1 20 Departmental P
Vitasso Rovenbe Nov. 11 Vitassa	: Walter : 10, We : Plugg : Nath J L LEFT 11 2 - 1-3, 2 SET M 1 - 7/8 FROM d. 1 - 6-5, 1 - 6-5, 1 - MILL FROM GOU 1 - SUB 1 - SET	Wright & LI Phages ad in 10" Annham R. A HOLE ON A	i Frank I in 30 and 1 in 8° in 80 and 1 in 8° in 1 in 8° in 1 in 8° in 1 in 8° in 1 in 1 in 1 in 1 in 1 in 1 in 1 in 1	kend. with 8" ish 10° d Seen C SOCKET SOCKET	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Pl Office JA W Envirt	CEIVED of Oil and o Departmental P
Vitasso Novembe Nov. 11 Vitassa	: Walter : Walter : 10, Wei : Pluggu : Neth 1 2 - 1-3, 2 - 1-3, 2 - 1-3, 2 - 1-3, 2 - 1-3, 1 - 1-3, 1 - 50B 1 - 50B 1 - 3-1,	Wright & Ll Phages in 10° Combers B., A EOLE OB A	i Frank I in 8" in 10 mi in 8" in 10 mi in 80 mi in 8 mi in 10 mi	kend. with 8" ish 10" d Sam C C 09 FISH SOCKET SOCKET	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Pl Office JA Enviro	CEIVED of Oil and C N 2 1 20 Departmental P
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Vitasso Novembe Nov. 11 Vitass	: Walter : Walter : 10, Wei : Pluggu : Neth 1 2 - 1-3, 2 - 1-3, 2 - 1-3, 2 - 1-3, 2 - 1-3, 1 - 1-3, 1 - 50B 1 - 50B 1 - 3-1,	Wright & Ll Phages in 10° Combers B., A EOLE OB A	i Frank I in 8" in 10 mi in 8" in 10 mi in 80 mi in 8 mi in 10 mi	kend. with 8" ish 10" d Sam C C 09 FISH SOCKET SOCKET	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Pl Office JA W Envirt	CEIVED of Oil and C Departmental P
Vitasso Novembe Nov. 11 Vitass	: Walter : Walter : 10, Wei : Pluggu : Neth 1 2 - 1-3, 2 - 1-3, 2 - 1-3, 2 - 1-3, 2 - 1-3, 1 - 1-3, 1 - 50B 1 - 50B 1 - 3-1,	Wright & Ll Phages in 10° Combers B., A EOLE OB A	i Frank I in 8" in 10 mi in 8" in 10 mi in 80 mi in 8 mi in 10 mi	kend. with 8" ish 10" d Sam C C 09 FISH SOCKET SOCKET	dry h ry ho	sie ; le pl En.	lag et l Slopak	<u> </u>	Dank regy	ara I Rieg	1911d 28. J	at 1 ohn 1	SLO*		Pl Office JA Enviro	CEIVED of Oil and O V 2 1 20 V Departmental P
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31-1-12 4705100264P The Mheeling Hat GAROMPANKS House Final Report of Material charged to and used in Drilling and Equipping of sense Well No. 1852 in must no Well No. Valles Gameron District County 191 5 Service of invoWe have this day finished work on Well Note 201 5 51 on the mori tost acre farm of G. J. Mathews situate in Liberty District, Township, mettarshaine "i missade to ecounty, State of _//. for mote an amore an as shown by sketch on other side, and have left in and at said well the following material, which Reservation around Emildings. has been charged to said well on District Transfers. SPREIAL CONSTRUCTORS :-550 ft 678 casing 75-76 unte lune Rop 3-678 Wood Dry Hole Phugs 1-526 374 x 3 2-7/ more lime Robe Sochets 1-63" Trip spear 1-6% Mandrill 1-10" 1-67 Gomb socket 4 1×46' 5tems. t orilling Jars 1- Mill Office of Oil and Gas 1-34× 441 Stem JAN 21 2021 List above ONLY material left in and at the well which is being used in the operation of WV Department of Environmental Protection said well, including Casing, Tubing, Wire Lines, Rods, Pumping Outfits, Packers, Tanks, Boilers, Engines, Casing heads, and all well connections, but not including Drips or Branch Lines. Well produces Mathing from all_ Depth of Well 36.8. Feet. __ Sand, Signed: Signed: Foreman. Dist. Supt. Checked by Field Clerk. Checked by Inventory Clerk. 19: Dist. Sop. . Phasingh. Fo. them Haw as soon to Not a class that superinge of bestweithe when one of .m. and must he completed et neuternition d 1917 elide on forgeorie and server. Bhen evention on publican indirection into the server double ebie sere at the two "blief is dependent laborer treast de filie" and the erse side A. 16 8 05/07/2021 of this sheet and forwarded to Pittsburgh Collea. Receip two capy of this order for your illes. - State

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Office of Oil and Gas Office of Oil and Gas JAN 2 1 2021 WW Department Office Environmental Protection

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17051002648 Form 109 1m-12-,13 75476 mallaline Jo Company 248 Fourth Ave., Pittsburgh, Penns Diutsion (60 Farm Acres Record of Well No. an Field Piberts askell County 90 1a State May 6 may 191 5 Completed **Rig Commenced** 191.5. 191 0 Completed **Drilling** Commenced 1914 Cost per foot Contractor Address 201 94 2 Drillers' Names De C. Stockedan, Bra t. Ro alier, 6 BOILER ENGINE RIG No. Name of Maker Height Name of Builder No. Name of Maker H. P. H. P. New 821 N.n. Yost. 100 CONDUCTOR AND CASING USED IN DRILLING 10 Inch 844 Inch 8% inch 6% Inch 5% Inch 6 3-16 Inch Conductor 13 Inch 1575 2295 252 CONDUCTOR AND CASING LEFT IN WELL Boll inch Gil Inch 5% Inch G d 16 inch 4 insh Conductor 10 Inch 6 inch 3 inch 53 OIL WELL GAS WELL Size of Torpedo Production When Shot Tubing Rods Tanks Size of Packer Depth Set Packed with Ist Minute's Pressure **Rock Pressure** FORMATION Bettom Thickness Top Mayneshing Con 735 750 4 sas and water 1800 Little gas the 1000 2 Cm 1007 2/10 itshur 100 2192 1108 15 \$50 Sept 14-1915 Well Pluged in 678 1465 5 1853 6.23 3 5 Hale in Biginsunsand at 2315 ft 1 5 with 3 698 Dry Hole Plugs. mark 2011/103 1710 37 Nov. 10 - Net Pluged with 1-8" Hole PECEIVED Office of Oil and Gas 176 20 900 15 in Big Dunkard sand at 1640 ft. 192.57950 2.5 Nor 11-1915. Pluged in 10" Hole JAN 2 1 2021 2010 2050 40 with sec Dry Hole at 1073 ft, · Hard 80 with 55, North Dumharn, IR. L. Reid. WN Department of 65 Samuel Graig, Wm. Slamaker Environmental Protection 2060 21 40 Hund NA 2145 2210 25 Harvey Risor John Wassum e Lyp D de 2262 2287 2287 43 Materia, west in word act holin 2530 2 2538 2550 12 From Broden + Fletcher 2986 2950 94 2- 43/8× 16 / t stems. 3/12 3/ 80 28 2- Set Drilling Jars 3155 3166 1- " hong Stroke Jors 11 3180 3208 28 1- 18" Wire Ime Robe socket 3288 3252 20 From J.J. Davin 6 1-63" Trip spear 3300 3906 1 6% Mondril 368 loter 678 Comp Socket. Mill From Gampony Tools. 1 8ub 31/4 × 3" 1- set hong stroke Jars. 1- 34 x 44 ft stem 1- 18" wire line Rope Sochet, My Cuullugs Superintendent of the The above

the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and 5/07/2021 at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.

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NOTE-The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarky" must be given by their proper name, with steel line measurements, and under the head of "Remarky" must be given by their proper name, with steel line measurements, and under the head of "Remarky" must be given by their proper name, the quality of the sand, and thickness of pay.

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WW-4A Revised 6-07 1) Date: 1/6/2021 2) Operator's Well Number Victory B 1852

3) API Well No.: 47 -

= 002640000

051

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

4)		ner(s) to be served: 5) (a) Big Bun Christian Church (Disciples of Christ) and Cemerary	Coal Operator Name	Martay Energy Corporation, American Consolidated Natural Resources, Inc.
	(a) Name Address	2229 Reid Ridge Road	Address	46226 National Road
		Cameron, WV 26033		St. Clairsville, OH 43950
	(b) Name		(b) Coal Owi	ner(s) with Declaration
	Address		Name	Marray Energy Corporation, American Consolidated Natural Resources, Inc.
			Address	46226 National Road
				St. Clairsville, OH 43950
	(c) Name		Name	
	Address		Address	
6)	Inspector	James Nicholson	(c) Coal Less	ee with Declaration
	Address	P.O. Box 44	Name	Not inased.
		Moundsville, WV 26041	Address	
	Telephone	304-552-3874		

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.

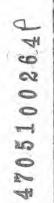
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side However, you are not required to take any action at all.

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.

INSTRUCT OF	Well Operator By:	Columbia Gas Transmission, LLC Brad Nelson Back The
Commonwealth of Phanny Instala - Notary Seal Elaine Rybrid: Hotary Public	Its:	Storage Engineer
Altecheny County	Address	455 Racetrack Road
My commission expines May 11, 2022 Commission number 1332803	2022	Washington, PA 15301
Commission/Administration	Telephone	724-250-0610
Subscribed and sworn before me thi	s 6 de	vof January 2021 Office of Oil and Case
	rthi Ele	ine Antoski Notary Public

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 5/07/2021 information, please contact DEP's Chief Privacy Officer at depprivacyofficer wy gov.



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9105	Sent To Big Run Christian Church an Street and Apt. No., or PO Box No. ZZZ9 Reid Ridge Rocal City, State, ZIP+4® Cameran, WY Z6033 PS Form 3800, April 2015 PSN 7530-02-000-9047	M (cmetery See Reverse for Instructions

4705100264P



P.O. Box 1273 Charleston, WV 25325

January 8, 2021

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Big Run Christian Church (Disciples of Christ) and Cemetery 2229 Reid Ridge Road Cameron, WV 26033

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 Victory B 1852 (API 47– 051–00264).

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.

If you have questions, feel free to call.

Regards,

But net

Brad Nelson Storage Engineer TC Energy (Columbia Gas Transmission, LLC) brad_nelson@tcenergy.com off: 724-223-2753 cell: 724-250-0610

> RECEIVED Office of Oil and Gas

JAN 2 1 2021

WV Department of Environmental Protection

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY			
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Article Addressed to: Big Run Christian Church and Condexy 2229 Reid Riote Rood Comeron, WV 26033 	A. Signature X B. Received by (Printed Name) Debbre Elson D. Is delivery address different from If YES, enter delivery address	C. Date of Delivery I-12-2/ m item 1? Ves		
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4705100264 Columbia Pipeline Group 1700 MacCorkle Ave. SE P.O. Box 1273

Charleston, WV 25325

a-144

January 8, 2021

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Murray Energy Corporation American Consolidated Natural Resources, Inc. Attn: Mason Smith 46226 National Road St. Clairsville, OH 43950

Columbia Gas Transmission, an underground natural gas storage operator, is planning to permanently plug and abandon a storage well (API # 47-051-00264-00-00) in Marshall County, WV. Records indicate that Murray Energy (American Consolidated Natural Resources, Inc.) owns the coal on subject property.

To comply with WV DEP Code, Columbia is required to provide the coal owner the following documents as notification and for processing.

- WV DEP form WW-4A (Notice of Application to Plug and Abandon a Well)
- WV DEP form WW-4B (Application for a Permit to Plug and Abandon)
- Copy of survey plat
- Proposed method of plugging
- Wellbore diagram (prior to plugging)
- Wellbore diagram (proposed plugging)

If you have questions, feel free to call.

Regards,

Bruch nel

Brad Nelson Storage Engineer TC Energy (Columbia Gas Transmission, LLC) brad_nelson@tcenergy.com off: 724-223-2753 cell: 724-250-0610

RECEIVED Office of Oil and Gas

JAN 2 1 2021

WV Department of Environmental Protection

05/07/2021

4705100284 P SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Murray Energy Corporation Amouran Conschedated Natural Resources Artin: Massen Smith 46726 Natural Resol Claivs ville, OH 43950 	A. Signature X Ack Hen B. Received by (Printed Name) A. C. Hess D. Is delivery address different from If YES, enter delivery address to	C. Date of Delivery
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WW-9 (5/16)	API Number 47 - 0470 50016000 2640 Operator's Well No
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Operator Name Columbia Gas Transmission, LLC	OP Code <u>307032</u>
Watershed (HUC 10) Ben Run - A Tributary of Fish Creek	
Do you anticipate using more than 5,000 bbls of water to complet Will a pit be used? Yes No	
If so, please describe anticipated pit waste: Fresh wate	er, cement returns, bentonite gel, NaCl salt
같은 것은 것 것 같아요. 그는 것은 것 같아요. 그는 것 같아요. 가지 않는 것 같아요. 그는 것은 것 같아요. 그는 것 같아요. 그는 것 같아요. 가지 않는 것 같아요. 가지 않 것 같아요. 가지 않는 것 않는 것 같아요. 가지 않는 것 같아요. 가지 않는 것 같아요. 가지 않는 것 않는	No If so, what ml? 20
Proposed Disposal Method For Treated Pit Wastes:	
Land Application (if selected provide a	a completed form WW-9-GPP)
Underground Injection (UIC Permit N	
Reuse (at API Number Off Site Disposal (Supply form WW-)
Other (Explain Appalachian Water Serv	vices, Station W1 Ronco WTP, Masontown, PA - Permit 2608201
Will closed loop systembe used? If so, describe: No	
Drilling medium anticipated for this well (vertical and horizontal)	1? Air freshwater oil based etc. N/A
	/ · · · · · · · · · · · · · · · · · · ·
Drill cuttings disposal method? Leave in pit, landfill, removed of	
-If left in pit and plan to solidify what medium will be us	sed? (cement, lime, sawdust) Subscript
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and Gas West Virginia solid waste facility. The notice shall be provided w where it was properly disposed.	그는 것은 것 같은 것 가장 방법을 얻는 것 같은 것 것 같아요. 것 같은 것 같은 것 같은 것 같아요. 것 같아요. 그는 것 같은 것 같아요. 것 같은 것 같아요. 것 같아요. 것 같은 것 같이 것
on April 1, 2016, by the Office of Oil and Gas of the West Virgir provisions of the permit are enforceable by law. Violations of any or regulation can lead to enforcement action. I certify under penalty of law that I have personally e application form and all attachments thereto and that, based on my	enditions of the GENERAL WATER POLLUTION PERMIT issued nia Department of Environmental Protection. I understand that the y term or condition of the general permit and/or other applicable law examined and am familiar with the information submitted on this y inquiry of those individuals immediately responsible for obtaining and complete. I am aware that there are significant penalties for imprisonment.
Company Official Signature Bud Note	Commonwealth of Pennsylvanla
Company Official (Typed Name) Brad Nelson	County of Allegheny
Company Official Title Storage Engineer	
Subscribed and sworn before me this 6 day of	January , 2021
Planin NU. El	aine Aybski Notary Fabrican Pennsylvania - Notary Se
My commission expires 5/11/2022	Elaine Rybski, Notary Public Allegheny Coonty/2021 My commission expires May 11, 2022

My commission expires May 11, 202 Commission number 1332803

4705100264 Operator's Well No._____

Proposed Revegetation Treat	tment: Acres Disturbed <1.0	Preveg etation pH 6	.5	
Lime 2	Tons/acre or to correct to	pH <u>7</u>		
Fertilizer type 10-	10-10			
Fertilizer amount_6	00	_lbs/acre		
Mulch_2	Тс	ons/acre		
	1	Seed Mixtures		
Te	emporary	Permanent	t	
Seed Type	lbs/acre	Seed Type	lbs/acre	
Annual Rye	40	Orchard Grass and/or Ta	all Fescue	29
		Birdsfoot trefoil (empire	e)	9
		Annual Rye		12
en wanann araac.				
Attach: Maps(s) of road, location, pi	t and proposed area for land ap pit will be land applied, provid	cre) until indigenous plants re-e	this info have be	een
Attach: Maps(s) of road, location, pi provided). If water from the	t and proposed area for land ap pit will be land applied, provid the land application area.	plication (unless engineered plans including	this info have be D) of the pit, and	een I dime
Attach: Maps(s) of road, location, pi provided). If water from the L, W), and area in acres, of Photocopied section of invol	t and proposed area for land ap pit will be land applied, provid the land application area. lved 7.5' topographic sheet.	plication (unless engineered plans including	this info have be D) of the pit, and F Office JA	en I dima RECE of O
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Quad: Cameron, WV

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): Ben Run - A Tributary of Fish Creek

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 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 contaminate 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 equipment will be 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.
RECEIVED Gas

The closest water body is Ben Run, approximately 0.25 miles to the SW. The nearest Wellhead Protection area is 8.04 mi. to the SE - (PWSID 3305202 Hundred JAN 2 1 2021 Littleton PSD).

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

N/A

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

WW-9- GPP Rev. 5/16

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 lubrications will be stored on site, but located within secondary containment. Construction equipment will be inspected daily for leaks or spill.

Signature: Bend Nde.

Date: 1/19/21

05/07/2021

RECEIVED Office of Oil and Gas

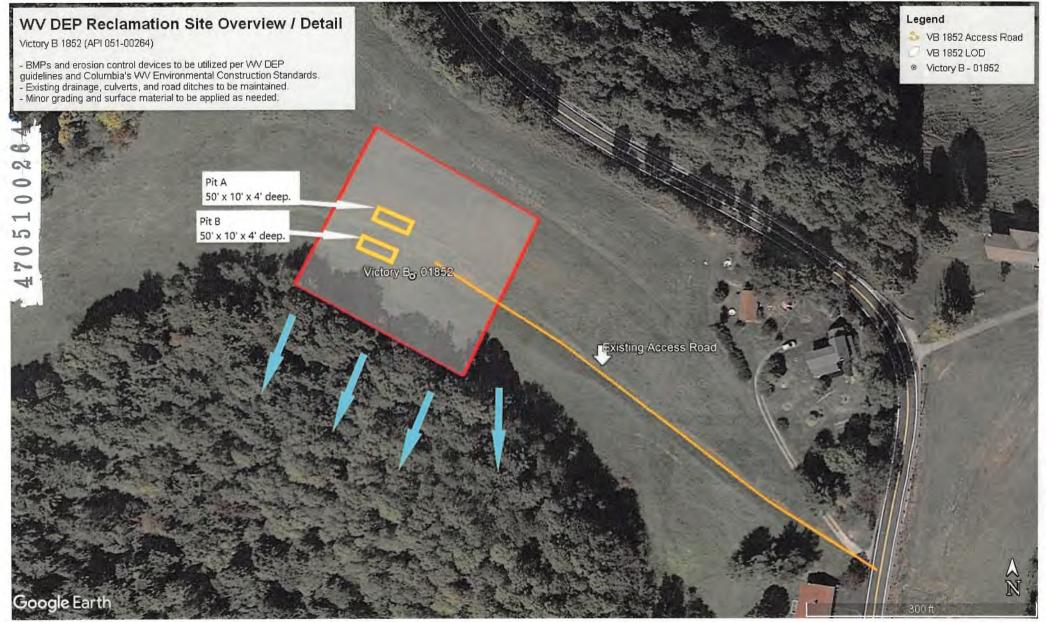
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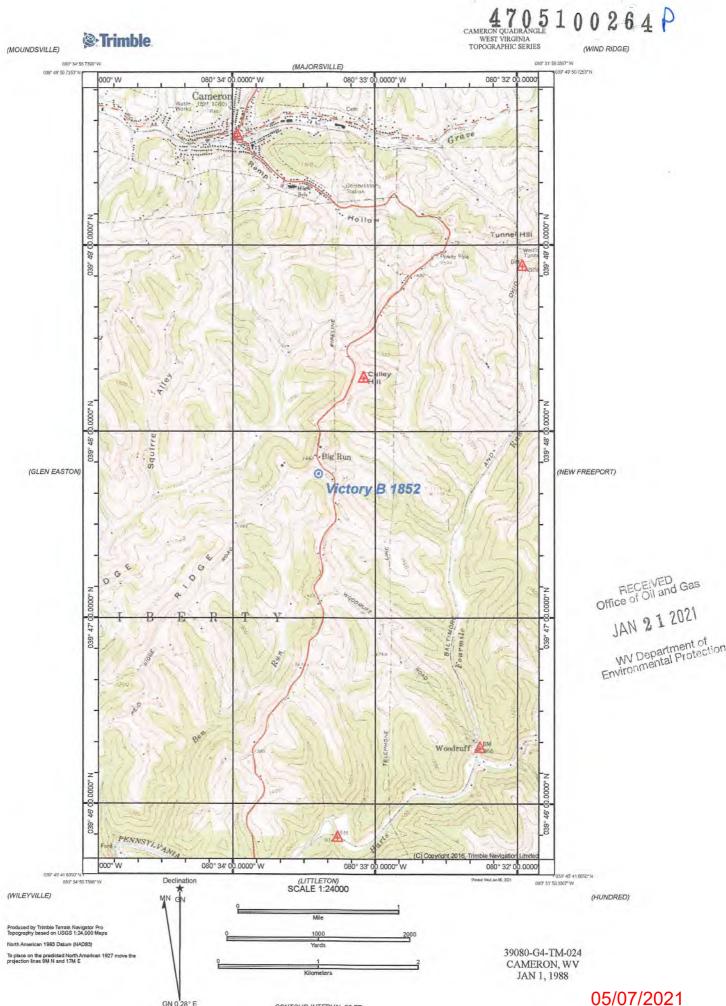
WV Department of Environmental Protection

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MAY 3 2021

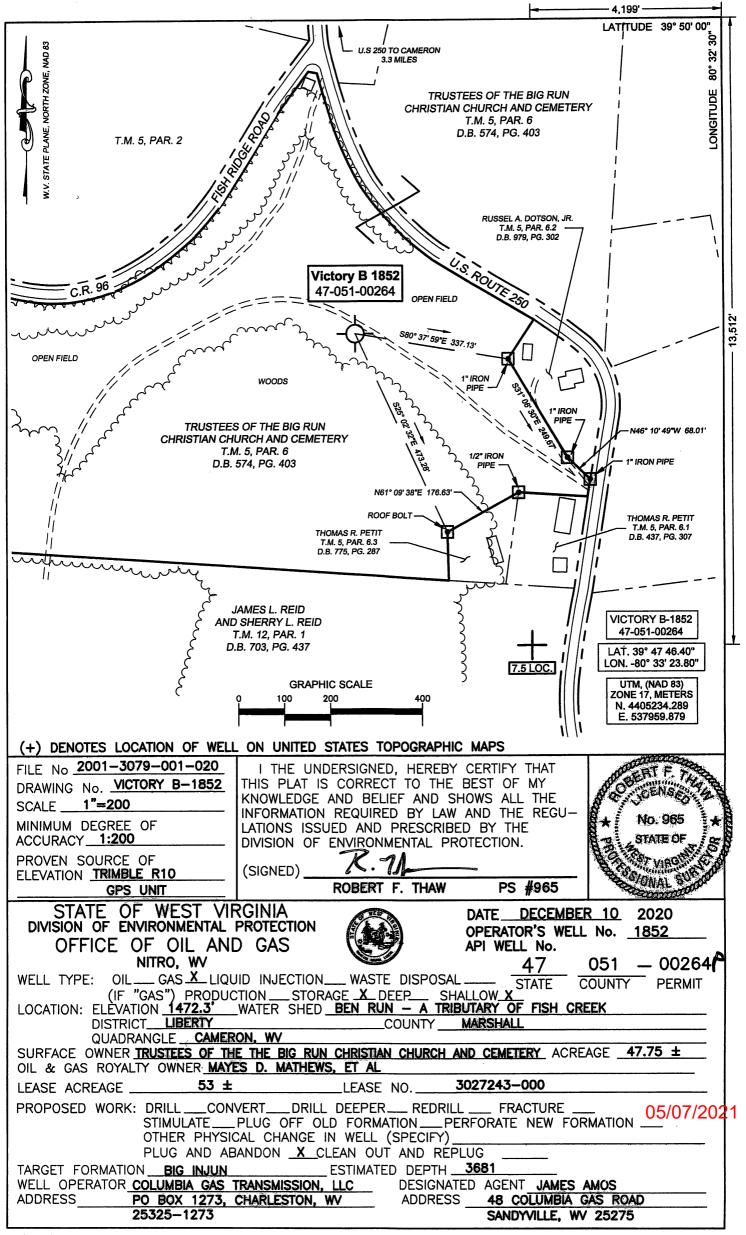
WV Department of Environmental Protection





GN 0.28° E MN 8.73° W

CONTOUR INTERVAL 20 FT



P:\2020\2001-3079-001-020 - TC ENERGY - VICTORY B 1852\50-SURVEY\DWG\VICTORY-B-1852-WELL PLAT.DWG

51-00264 p 4705100264

Pipeline Group

1700 MacCorkle Ave SE P.O. Box 1273 Charleston, WV 25325

> RECEIVED Office of Oli and Gas

JAN 2 1 2021

WV Department of Environmental Protection

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

January 19, 2021

Enclosed is a plugging permit application for the following Columbia Gas Transmission existing storage well:

Victory B 1852 (API 051-00264)

Please return permit to:

Columbia Gas Transmission, LLC 455 Racetrack Road Washington, PA 15301 Attn: Brad Nelson

If you have questions, feel free to call.

Regards,

Brad Met

Brad Nelson Storage Engineer TC Energy (Columbia Gas Transmission, LLC) brad_nelson@tcenergy.com off: 724-223-2753 cell: 724-250-0610

