

#### 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

Tuesday, September 26, 2023 WELL WORK PERMIT Vertical / Re-Work

COLUMBIA GAS TRANSMISSION, LLC 1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re:

Permit approval for TERRA ALTA 7394

47-077-00022-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin

Chief

Operator's Well Number: TERRA ALTA 7394

Farm Name: MAUPIN, WINFRED COME

U.S. WELL NUMBER: 47-077-00022-00-00

Vertical Re-Work

Date Issued: 9/26/2023

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. Failure to adhere to the specified permit conditions may result in enforcement action.

#### **CONDITIONS**

- 1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. 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.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
- 7. Well work activities shall not constitute a hazard to the safety of persons.
- 8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

WW - 2B (Rev. 8/10)

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WELL WORK PERMIT APPLICATION

1) Well Operato	r: Colum	ibia Gas ī	Transmission, LLC	307032	Preston	Union	Aurora, WV 7.5'					
	÷			Operator ID	County	District	Quadrangle					
2) Operator's W	2) Operator's Well Number: Terra Alta 7394  4) Well Type: (a) Oil or Gas X (b) If Gas: Production / Underground Storage X											
4) Well Type: (a	a) Oil	or Ga	s X			Da	Apr 2 23					
(b	) If Gas:	Produ	ction / Und	erground Sto	rage X		1/18/2					
		Deep	<u>×</u> / Sł	nallow								
6) Proposed To 7) Approximate	tal Depth fresh wat	: <sup>5399</sup> ter strata	Chert / Oriskany Feet F depths: none reported by drille	ormation at F	Proposed Tar Proposed Tota	get Depth: al Depth: He	RECEIVED					
Office of Oil & G												
9) Approximate coal seam depths: None reported by driller JUL 2 4 2023												
10) Approximat	e void de	pths,(coa	al, Karst, other): ַ	None reported b	by driller		WV Department of					
Environmental Protection												
11) Does land contain coal seams tributary to active mine? No												
12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)												
	ter treatme	nt. Followi	ng results of FWT,	perform coil tub	ing cleanout and	d 2000 gallon	15% HCL					
stimulation.	(1: 1 1	1 -1-				-						
casing and equip	ment listed	below are	existing									
13)		CA	SING AND TUB	ING PROGR	AM * existing	<mark>ng</mark>						
TYPE S	PECIFIC	ATIONS		FOOTAGE	INTERVALS	CEMI	ENT					
	<u>Size</u>	<u>Grade</u>	Weight per ft	For Drilling	Left in Well	Fill -up (C	<u>u. Ft.)</u>					
Conductor	13-3/8 *		48	43	43							
Fresh Water	10-3/4 *		32.8	476	476							
Coal	8-5/8 *		24	1436	1436	45	sx					
Intermediate	7*		20	4988	4988	60	sx					
Production	4-1/2 *	N-80 / J-55	12.6	5390	5390	380	sx					
Tubing												
Liners												
Packers: Kind	d:											
Size												
Dep	ths Set											

WELL JOB PLAN			Engineering & T	echnology			PAGE 1	DATE J	IOB PREPARED: 4/19/2023
Objective: Deliverabil	ity Enhancem	ent							PROFILE UPDATE:
		ulate if well	erformance is not		wing FW wash	1 %	WORK T		Deliverability
FIELD: Terra Alta	3		WELL ID:			70 502000	LE	ASE #:	90332
STATE: WV DIST/TWP: Union			SHL (Lat/ Long)			-79.583626		API: CNTY:	47-077-00022-0000
DIST/TWP: Union EXISTING TUBULAR	OD	WEIGHT	BHL (Lat/Long)	39.404405	ner	-79.583626 PTH (ft)	WELLI		Preston X76W7394
CONFIGURATION	(inches)	(PPF)	GRADE	THREAD	TOP	BOTTOM	FORMATION:		MISC INFORMATION section
Conductor	13 3/8	48.0	GRADE	THREAD	0	43	PAY:	Telei te	ELEVATIONS
Surface	10 3/4	32.8			0	476	TD: 539	٥	TMG:
Intermediate	8 5/8	24.0			0	1436	PBTD:	9	KB-RF;
Intermediate	7	20.0			0	4988	KB-GL:		GL:
Production	4 1/2	12.6	N-80		0	15	CSG	DEPTH	
Production	4 1/2	12.6	J-55		15	5390	-		
Perforations			9, 5162 - 5348' 6 s	of in 1994 + re			1		Refer to "Wellbore Diagram"
Wellhead	API 3K welli	head. 4-1/2"	x 7". 4" FL 2"11-1/	2V wellhead co	onnection. Ne	w 3K 4" master and	1		tab
		installed in 2					l		
	-		Refer to "Well	bore Diagran	n" tab		1		
D.H. EQUIPMENT				TYPE		DEPTH (ft)	1		
	ACKER INFO:	Upper					1		
		Lower					1		
						^	]		
NIPPLE PI	ROFILE INFO:	Upper					]		
		Lower					]		
	SSSV INFO:								
CEMENT INFO						Calc TOC (ft)			
13 3/8 Cement un	known.					-	1		
10 3/4 Cement un						-	1		
	Alpha cement					1179	1		
7 60 sx cmt						4509	4		
			nt, returns to surfac	ce, stage colla	r @ 4353,8' /	0	-		
	sket 4356.7' pe	r 2022 HRVI	RT log.				-		
MISC INFORMATION							4		
Kill Fluid Calculation Maximum calculated * Maximum storage fi Well TD: Top of storage zone (	<u>n</u> bottom-hole pre eld surface pre	sprea	*Note that kill fluid eference only):	calculation tabs 2694 ps 2350 ps 5399 ft			-	7	RECEIVED Office of Oil & Gas
Calculated maximum		t top of zone	:	2680 ps	sig * o <i>utput</i>	Kill Fluid (TOZ)			_ /
Kill fluid density at top	of zone @:	150	psi OB	10.91 p	pg * outpu	t Kill Fluid (TOZ)		En	NV Department of ironmental Protection
Proposed depth of BF Calculated maximum Kill fluid density at de	BH pressure a	at depth of Bi	o: ]psi OB	2680 p		nt Kill Fluid (BP) nt Kill Fluid (BP)		EIIV	nominental Protection
Re	equired minim	um kill fluid	density:	<b>11.0</b> p	pg * great	er of the two			
Current A0 Top histori Last MVR <sup>-</sup> SBT:	cal AOF:	75,884 Baker Atlas being at 49 Baker Atlas	69-4970'.			ı 4.5", highest loss Il cmt quality 5002 -			
PROPOSED YEAR:		1024	ERCB PERMIT	REQD:	YES	NO	(Internal) PI	OS Requ	ired: YES NO
	2	.024	DT. APPLIED:		ISSUED:				_
PREPARED BY:	Maria M	Medvedeva	REVIEWED BY:		James O	lmos	APPROVED		
PREP DATE: 4/19/2023								X	Dret Els -

Hayne Kn Too 7/18/2003

<b>WELL JOB</b>	PLAN	STS Well Engineer	ing & Techno	logy	PAGE 2	DATE JOB PREPARED:	4/19/2023
Objective: De	eliverability Enhancement					LAST PROFILE UPDATE:	
TITLE:	FWW. CTCO / acid stimulate	if well performance is n	ot restored follow	ving FW wash	WORK TYPE:	Deliverability	
FIELD:	Terra Alta	WELL:	7394				
STAT:	WV	SHL (Lat/Long):	39.404405	-79.583626	API:	47-077-00022-0000	
TWP:	Union	BHL (Lat/Long):	39.404405	-79.583626	CNTY:	Preston	

NOTE: 1997stimulation noted the following - perf intervals were treated using 100gal of acid/foot of perforations (10% FE acid used). The only interval exhibiting a break down was 5049'-5053', which also communicated with the 1-3/4" by 4-1/2" annulus. All other intervals treated freely and went on vacuum when pumping ceased. Sip tool stuck at 5206'-worked free.. Recent workover obtained HRVRT / CBL logs and performed master and side valve changes.

- Obtain State Pemit, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- Notify landowner
- Obtain General Work Permit and Wellsite Review & Turnover Form from Operations.
- Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
- Notify environmental inspector prior to beginning work. If required, notify State/Federal regulatory agencies prior to beginning work.
- Prepare access road and well site. Install ECD's per EM&CP.
- Service all wellhead valves.
- Document initial flowstring and 4-1/2'  $\times$  7" annular pressures.
- If work occurs between May 01 and September 01, injection season, pump 40 bbls TFW down casing and place well back in service. If work occurs between September 01 and April 31, withdrawl season, pump 40 bbls TFW down casing, allow to soak 2 days and then place well back in service. 9
- Perform a 45-min flowback test. Pending flowback results, may have to perform a CTCO and acid stimulation ( Step 20+)
- Notify WET Project Support that well is back in-service.
- 12 Reclaim R&L.
- Commission well by completing, processing, and retain for records the Wellsite Review and Turnover Form. 13
- Notify REG / WE&T that well is ready for storage service.

#### If flowback test results dictacte, complete a CTCO and acid stimulation as per below.

- MIRU 1.75" CTU.
- Flow well. If well won't flow unload with nitrogen.
- Perform CTCO and 2000 gallons of 15% HCL treatment.
- RDMO CTU.
- 24 Flow well to recover treatment fluids.
- Perform final 45-min flowback test thru 3/4" choke.
- Notify WET Project Support that well is back in-service. 26
- Reclaim R&L.
- Reconnect well line.
- 29 Paint wellhead and well line.
- Commission well by completing, processing, and retain for records the Wellsite Review and Turnover Form. 30
- Notify REG that well is ready for storage service.

RECEIVED
Office of Oil & Gas

JUL 2 4 2023

WV Department of Environmental Protection

PREPARED BY:	Maria Medvedeva	REVIEWED BY:	James Amos	APPROVED:	Brent Criser
PREP DATE:	4/19/2023				
		Hapay-	KnD -111/2023		

09/29/2023

#### Terra Alta 7394 (API 47-077-00022) - CTCO and Acid Treatment

API 3K wellhead, 4-1/2" FS x 7" support

4-1/2" 12.6# N-80 csg to 15' / 4-1/2" 12.6# J-55 csg set at 5390', stage collar from 4370 - 4374'

Capacity:  $[5390 \text{ ft } \times 0.63840 \text{ gal/ft}] = 3441 \text{ gals}; \times 0.0152 \text{ bbl/ft} = 82 \text{ bbls}$ 

Openhole

Capacity 6-1/8" hole: 9 ft x 0.03644 bbl/ft = 0.33 bbls

Total Capacity: 83 bbls

Chert: 4987 - 5141

Oriskany: 5151 - 5264

Perforations: 5012 – 5053 @ 4spf, 5162 – 5348' @ 6 spf

TD: 5399 RECEIVED
Office of Oil & Gas JUL 2 4 2023

WV Department of Environmental Protection

#### Fluids Needed

2000 gals 15% HCl acid\*\* treated with corrosion inhibitor, iron control/sequestering agent, H2S scavenger, and surfactant. Biocide, clay stabilizer, and surfactant to treat +/- 300 bbls fresh water. Liquid caustic on location in case need to neutralize flowback fluids.

\* Prior to acid treatment verify that the 4-1/2" x 7" and 7" x 8-5/8" annuli is full, top off with fresh water treated with biocide, corrosion inhibitor, and clay stabilizer as needed.

#### **CTCO Procedure**

- 1. MIRU 1.75" CTU and H2S monitoring service.
- 2. Load CT with treated fresh water (TFW) and pressure test CT and BOPs to 2500 psig.
  - \* maximum pressure on wellhead components 2500 psig
- 3. Open well and RIH under static conditions.
- 4. At 4800' begin jetting with foamed TFW. Jet to TD and cycle up and down across interval 5000' TD.
- 5. Begin 15% HCl acid foamed to 50Q and cycle up and down across interval 5000' TD until 1000 gals acid
- 6. Chase acid with 40 bbls TFW foamed to 50Q to neutralize wellbore / flowback fluids.
- 7. Flow well while POOH to 4700'. Flow until returns are relatively dry.
- 8. CTU on stand-by until after acid treatment to unload wellbore if needed.

#### **Acid Treatment**

1. RU to perform acid treatment down casing as follows:

•	1000 gals 15% HCl acid	4-6 BPM	Max Treating Press = 2500 psig
•	20 bbls bbls TFW	4-6 BPM	Max Treating Press = 2000 psig
•	15 bbls bbls TFW	4-6 BPM	Max Treating Press = 1500 psig
×	15 bbls bbls TFW	4-6 BPM	Max Treating Press = 1000 psig
•	15 bbls TFW	2-4 BPM	Max Treating Press = 1000 psig
		SHUT DOWN F	OR 30 minutes TO ALLOW ACID TO :

SOAK

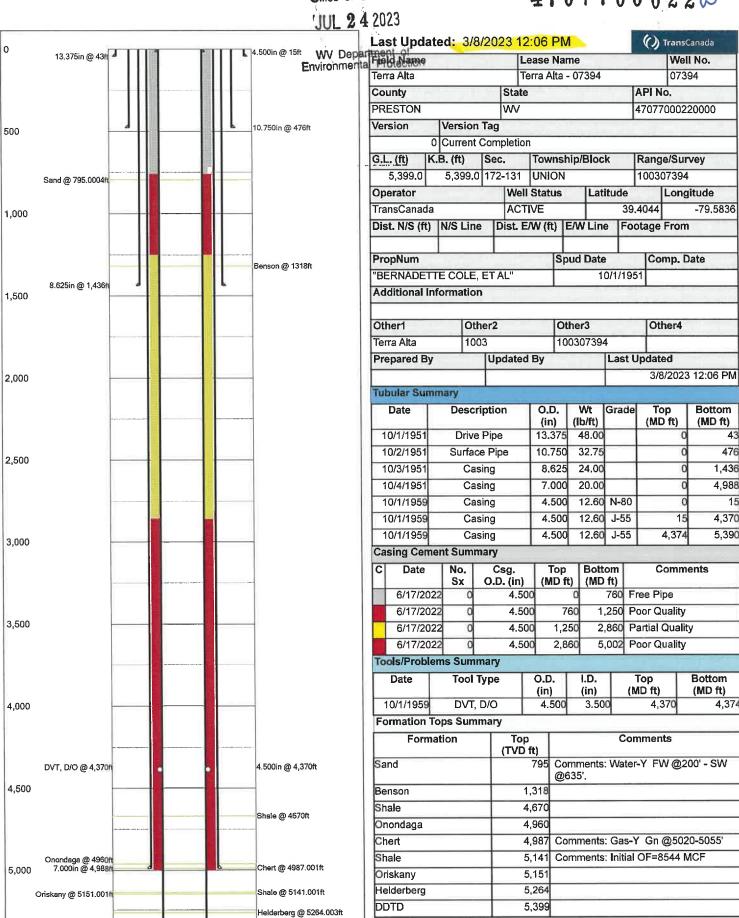
10 bbls TFW 2-3 BPM Max Treating Press = 1000 psig

■ SHUT DOWN FOR 30 minutes TO ALLOW ACID TO SOAK

2-3 BPM Max Treating Press = 1000 psig 15 bbls TFW

JUL 2 4 2023

- 2. Flow well. If well quits flowing, RBIH with CT Wil Department of with N2.
- 3. RDMO and release CTU / acid equipment.



DDTD @ 5399.003ft

www.WellShadow.com

4.500in @ 5,390

Page 1 of 3

FORM 2010-SR4 CPS (REV. 6-90)

## WV Department of COLUMBIA GAS TRANSMISSION OF TROUBLESTION NOTICE OF STORAGE WELL STATUS CHANGE

FORWARD ORIGIN	IAL ONLY TO	STORAGE							
DIVISION			STORAGE FIEL	.0 200a	Alta	100		COMPANY WELL	NUMBER 94
FARM NAME			TOWNSHIP-DIST		COUNT		STATE	EASE-DEED	AGRES DATE COMP.
	00 5150	ITUIC	BLOCK FOR STO	DACE DED	T UEE O	0. 20		NO.	8 14 194
YES	NO FARM	(Inis	SURRENDER LE			NLY) NEW LEASE	ОТН	IER	
WELL STATUS PRIOR TO THIS REPORT	PRODUC  DRILLIN  S.I. COM	c	STOR  ACTI			1		up coil toe	ling wash
WELL STATUS CHANGE OR WORK PERFORMED	RECOND TRANSF PURCHA DRILLEI	TURN O  LED FOR  PTIONED  ERRED  SED FOR  D DEEPE	R STORAGE Retained Abandone CO Sto	VR orage	ed	Ran T. Spinner Within 5762'- at 6sp Ran N Damage	DT. d - logs. existin 72' 5 F 3 <sup>3</sup> 16TT a	leviation  New per  g Storage  220-25' 6" HSD 4  and Spin.	perforations. Survey and Forations Zone from 5238-48  1 B Hyperjet II ner. Casing and at
COMPLETION  DATA (If applicable)	W T NA REA S D	ORE AT-NT icable)  NAL DING Shut	If Yes, Type of IYPE OF GAUGE Orifice Well GAUGE READING Inches FLOW Orifice Well GAUGE READING inches	M cu	Aercury Yater  ft/day  Mercury Water	or ///O paig to DATE 94 or /540 paig to DATE	Annough 7/8  Rock PRESS  Cother (S)  Annough 3/	Inch opening of June paig in hearify) Z"Cnt.	ours 4894  cal flow prover  ter blowing 5 hours
AUTHORI- ZATION FOR WORK PERFORMED	Classification		21,100	eu	ft⁄ day	S (O 94) SECTI	он	psig inh itorage Dept. Use NOTED BY	Only
WORK PER- FORMED BY	Permit Numbe		YTRACTORS NAME			MONITORING			
Compiled By Reviewed By	IM Mac		Date	-3-94	/	OFFICE & BU DIRECTOR DRILLING AN MAINTENANCE	D		

JUL 2 4 2023

WV Department of
WEST VIRGINIA DEPARTMENTATION
OIL & GAS DIVISION
WELL RECORD

Permit No. Prcs 22	BECEIVED	Gas Woll CASING & TUBING
Kingwood Quad, Company Address Farm Location Wull No. District Surice Mineral Commenced Completed Not shot Volume Rock Pressure Fresh Water	Hope Natural Gas Company 445 West Main St., Clarksburg, W.Va. Margarut C. Kraus, Acros 219  9636 Elev. 2128 Union Preston Quanty  July 24,1951 Oct. 12,1951  8,544,000 C.F. 14 hrs. 2100# 2001; 5351	13 43 43 10 476 476 81 1436 1436 6 5/8 4988 4988  Casing comented: 8" set in 45 bags coment 7" set in 60 bags coment
Salt Water	None recorded	

Surface Slate Sand Lime Slate Lime Slate Brown Sand Slate Groy Sand Grey Slate Lime	0 80 190 235 422 438 645 686 704 795 806 1000	80 190 235 422 438 645 638 704 795 806 1000		**		
Bonson Sand	1316 1345	1345 1394				
IAme	1394	2125				
Blate Shell	2125					
Lime	2400	2750				- 12
Slate Shell	2750	3015	2			
Gray Limo	3015					
Slate Shell	3566	3640				
Brown Shalo White Lime	3640	3798				84
Brown Shale	3798	4214				
Dark Brown Shalo	4212	431.4			3	
Tully Lime	4314	4350				ς.
Brown Shale	4350	4540				<b>X</b> .
Black Lime	4540	4670				1
Dark Shale		4755				
Shale Marcellus		4902				d)
Black Shale	4902					
Onondaga	4960	4987				
Chart	4987	5058				
T.D. Gas 5020 to 5053		วกรอ				

																			JUL 2 4 2023 4707700022W
Cor	con	ndi	ti	on				0.	, F.	- M	cf	•		210	@P	\$10 #	à	E	Wy Department of vironmental Protestion Field Itaria ALTA No. Well No. 7394
10						-		יטי	~ 7		/ <u>(C )</u>			~/(		<i></i>	74.	vro	Sec/Lot/M.S. Twp/Dist. UNION County PRESTON State W. UA.   Farm Name MAGARET C. KRAUS PERMITNO. Pres 22 Acreage 2/9 Elev. 2/28/
Ske	etc	<u>h</u> .	Н	or	ize	ont	al	(	1 8	lo	ck	=	1	inc	h)				Casing & Tubing:
-	1	1	1	_	_				_	<u></u>			_	-	L	_			Year         Size         Wt.         Ft.         Cement & Remarks           1951         13"         43'           1851         10"         476'           1951         8'/4"         1436'         cml w/ 45 sks           1951         65/8"         4988'         cml w/ 60 sks
¥1 <u>.</u>		+	+		-						-	-	-	-	-	-	-	-	1951 13" 43' 1851 10" 476'
	1	Į	1	_		-													1957 10" 476' 1951 814" 1436' cont w/ 45 sks 1951 65/8" 4988' cont w/ 60 sks
3000	+	+	+	- 1							-		-					-	
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-														10-21			-		7.0.3038
-	+	+	+	-	-	_							_	-	-		_		Perforations & Remarks: 5-26-59 perforated from 50/2'-50/6' w/17 shots, 50/9'-5024 w/2/ shots, 50/9'-5037' w/ 33 shots 5049'-5033' w/17 shots
-	+	1	-									-							w/21 shote, 5029 -5037 w/ 33 shote
-	1	1	_													_	<u> </u>		50491-5053' w/ 17 shote
-			-		-				NT.				H	_			-	-	Completion: Natural Shot Acidized
1.			_														_		Fractured
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Office of Oil & Gas

### Columbia Gas Transmission, LLC

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



July 21, 2023

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

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

Terra Alta 7394

(API 47-077-00022)

Please email to address below, and return hardcopies of permits to:

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

RECEIVED Office of Oil & Gas

JUL 2 4 2023

WV Department of Environmental Protection

If you have questions, feel free to call.

Regards,

Maria Medvedeva Senior Wells Engineer

Well Engineering & Technology Columbia Gas Transmission, LLC

Mob: 304-410-4313

maria\_medvedeva@tcenergy.com

www.tcenergy.com

WW-2	2 <b>A</b>
(Rev.	6-14)

1). Date:	07.13.2023
1). Date:	01.13.0003

2.) Operator's Well Number

3.) API Well No.:

Terra Alta 7394

State 47-

County 077 Permit 00022

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Ow	vner(s) to be served:	5) (a) Coal Ope	erator
(a) Name	Carolyn Dewitt	Name	Not operated
Address	115 Seemont Dr	Address	
	Kingwood, WV 26537		
(b) Name		(b) Coal O	wner(s) with Declaration
Address		Name	Not operated
		Address	RECEIVED Office of Oil & Gas
(c) Name		Name	JUL 2 4 2023
Address		Address	
			WV Department of Environmental Protection
<ol><li>6) Inspector</li></ol>	Gavne Knotowski	(c) Coal Le	essee with Declaration
Address	21 Energy Way	Name	Not operated
	Gormania, WV 26720	Address	
Telephone	304.546.8171	_	-
	TO THE PERSONS NA		
	he lease or leases or other continuing	g contract or contra	acts by which I hold the right to extract oil and gas
<u>OR</u>			
× Included is t	he information required by Chapter 2	2, Article 6, Sectio	on 8(d) of the Code of West Virginia (see page 2)
			inia Code I have served copies of this notice and
application, a loc	cation plat, and accompanying docum Personal Service (Affidavit atta		ugh on the above named parties by:
	O 455 114 11 /D / 1 1		ad)
<u> </u>	Publication (Notice of Publicati		ou)
I have re			I agree to the terms and conditions of any permit
issued under thi			, agree to the terms and terms of any
I certify	under penalty of law that I have per	sonally examined	and am familiar with the information submitted on
this application	form and all attachments, and that b	ased on my inqui	ry of those individuals immediately responsible for
	ormation, I believe that the informatio		
	are that there are significant penaltie	es for submitting fa	alse information, including the possibility of fine and
imprisonment.	Wall Operate	r Columbia Ca	as Transmission, LLA
		/: Maria Medve	
			Engineer Storage Technical Services
		: 1700 MacCo	
	7,144,1000		VV 25314-1273
	Telephone	304-410-431	
			edeva@tcenergy.com
Subscribed and	sworn before me this 13 day of		4 2023
	1 1		
( on	gord S-Larde	1 5 0 00	GREGORY S LARCH
My Commission		023	Notary Public Official Seal
Oil and Gas Privac	y Notice		My Comm. Expires Jul 20, 2025 TC ENERGY
The Office of Oil ar	nd Gas processes your personal informatio	n, such as name, add	ress and phone harries as & barrerowy redutatory duties.
Your personal info	rmation may be disclosed to other State ag	encies or third partie	s in the normal course of business or as needed to comply
information. If you	agulatory requirements, including Freedom have any questions about our use of your research	or information Act repersional information.	equests. Our office will appropriately secure your personal please contact DEP's Chief Privacy Officer at
depprivacyofficer@			•

## Columbia Gas Transmission, LLC

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



July 13, 2023

Carolyn Dewitt 115 Seemont Dr Kingwood, WV 26537

RECEIVED
Office of Oil & Gas

JUL 2 4 2023

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Epytropmental Protection — Office of Oil and Gas, to work on an existing underground natural Environmental on property owned by you. As reference, the field and well ID is Terra Alta 7394 (API 47-077-00022).

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

03	U.S. Postal Service™ CERTIFIED MAIL® REC Domestic Mail Only	EIPT
h 30	For delivery information, visit our website Kinawood W 26537	at www.usps.com*.
410 0002 6391	Certified Mail Fee \$4,35  \$ \$3.55  Extra Services & Fees (check box, add fee senger periate)  Return Receipt (leardcopy)  Return Receipt (electronic)  Certified Mail Restricted Delivery  Adult Signature Required  Adult Signature Restricted Delivery  Postage  \$7.65	0726 03 Postmark Here
7022 21	Total Postage and Fees \$17.55  Sent To Cavity N Plwith Street and Apt. No., or PD Box No.  City, State, ZIP+4*	TA 7394
1	PS Form 3800, April 2015 PSN 7530-02-000-9047	See Reverse for Instructions

A SECTION OF THE SECT	TO DESCRIPTION OF THE PARTY OF
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVER
<ul> <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> <li>1. Article Addressed to:</li> <li>Cardyn Dewitt</li> <li>Its Seemont W.</li> <li>Kingwood, WV 26537</li> </ul>	A. Signature  X B. Received by (Printed Name) C. D. Is delivery address different from item 12 If YES, enter delivery address below:
9590 9402 7630 2122 5682 17	3. Service Type

www.tcenergy.com

Addres

☐ Yes ☐ No

d Mail Restri

WW-2A Surface Waiver (4/16)

#### **SURFACE OWNER WAIVER**

County

Preston

Operator

Columbia Gas Transmission LLC

Operator well number

Terra Alta 7394

#### INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (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 RECEIVED
Office of Oil & Gas

JUL 2 4 2023

(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served in the 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.

<u>Comments must be in writing.</u> 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.

<u>List of Water Testing Laboratories.</u> The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

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 Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_\_ including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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		FOR EXECUTION BY A CORPORATION, ETC.		
	Date	Company Name		
Signature		By Its		Date
Print Name		s <del>-</del>	Signature	Date

### COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Preston
Operator Columbia Gas Transmission LLC
Operator's Well Number

Terra Alta 7394

#### INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57<sup>th</sup> St. SE Charleston, WV 25304 (304) 926-0499 extension 1654

#### **WAIVER**

d well locati added to th cation, prov	ion. If a mine maple mine maple mine map. The ided, the well ope	ee/ of the coal under this well o exists which covers the area of well undersigned has no objection to the rator has complied with all applicable itions.
NO	FOR I	EXECUTION BY A CORPORATION, ETC.
Date	Company Name By Its	Date
	d well locati added to the cation, provode and the	d well location. If a mine may added to the mine map. The cation, provided, the well ope ode and the governing regulation.  The cation is a mine map of the cation of the mine map. The cation is a mine

Office of Oil & Gas

JUL 2 4 2023

Date

Signature

WV Department of Environmental Protection

## INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that—

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

Bernadette Cole, et al

United Fuel Gas Company

Storage Lease -

340 / 660

1090332-000

## Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application he reby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

RECEIVED
Office of Oil & Gas

JUL 2 4 2023

WV Department of Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be ac quired from the appropriate authority before the affected activity is initiated.

Well Operator: By:Its:

Columbia Gas Transmission, LLO

Maria Medvedeva

Senior Wells Engineer Storage Technical Services

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## West Virginia Secretary of State — Online Data Services

### **Business and Licensing**

Online Data Services Help

## **Business Organization Detail**

NOTICE: The West Virginia Secretary of State's Office makes every reasonable effort to ensure the accuracy of information. However, we make no representation or warranty as to the correctness or completeness of the information. If information is missing from this page, it is not in the The West Virginia Secretary of State's database.

## **COLUMBIA GAS TRANSMISSION, LLC**

Organization Information								
Org Type	Effective Date	Established Date	Filing Date	Charter	Class	Sec Type	Termination Date	Termination Reason
LLC   Limited Liability Company	5/27/1971		5/27/1971	Foreign	Profit			

Business Purpose	4862 - Transportation and Warehousing - Pipeline Transportation - Pipeline Transportation of Natural Gas	Capital Stock	
Charter County		Control Number	0
Charter State	DE	Excess Acres	0
At Will Term	Α	Member Managed	MBR
At Will Term Years		Par Value	
Authorized Shares		Young Entrepreneur	Not Specified

Addresses			
Туре	Address		
Mailing Address	700 LOUISIANA STREET, STE 1300 HOUSTON, TX, 77002 USA		
Notice of Process Address	CORPORATION SERVICE COMPANY 209 WEST WASHINGTON STREET CHARLESTON, WV, 25302		
Principal Office Address	700 LOUISIANA STREET, STE 1300 HOUSTON, TX, 77002 USA		
Туре	Address		

Officers		
Туре	Name/Address	
Member	COLUMBIA PIPELINE GROUP, INC. 700 LOUISIANA STREET SUITE 700 HOUSTON, TX, 77002	
Туре	Name/Address	

Name	Name Changes		
Date		Old Name	
	1/30/2009	COLUMBIA GAS TRANSMISSION CORPORATION	
Date		Old Name	

Subsidiaries	Subsidiaries		
Name	Address		
	NISOURCE, INC 801 E 86TH AVENUE MERRILLVILLE, IN, 46410 USA		
Name	Address		

Date	Amendment
1/30/2009	CONVERSION FILED CHANGING NAME FROM COLUMBIA GAS TRANSMISSION CORPORATION

11/19/1997	AMEND TO ARTICLES OF INCORPORATION 4707700022
1/4/1991	MERGER; MERGING COMMONWEALTH GAS PIPELINE CORPORATION, A NON QUAL VA CORP, WITH AND INTO COLUMBIA GAS TRANSMISSION CORPORATION, A QUAL DE CORP, THE SURVIVOR.
11/14/1984	AMENDMENT: TO THE ARTICLES OF INCORPORATION.
3/31/1982	AMENDMENT: TO THE ARTICLES OF INCORPORATION.
3/2/1982	AMENDMENT: CERTIFICATE OF AMENDMENT
7/12/1973	AMENDMENT: CERTIFICATE OF AMENDMENT; ROLL 73
6/5/1973	AMENDMENT: CERTIFICATE OF INCORPORATION; ROLL 72.
1/23/1973	MERGER AMENDMENT: THE PRESTON OIL COMPANY MERGED WITH AND I NTO COLUMBIA GAS TRANSMISSION CORPORATION; ROLL 67.
7/29/1971	MERGER AMENDMENT: DUPLICATION OF ABOVE MENTIONED MERGER; RO LL 49
6/29/1971	MERGER: ATLANTIC SEABORD CORP., A DE CORP., CUMBERLAND AND ALLEGHENY GAS COMPANY, A WV CORP., THE MANUFACTURERS LIGHT AND HEAT COMPANY, A PA CORP., UNITED FUEL GAS COMPANY, A WV CORP., HOME GAS COMPANY, A NY CORP., KENTUCKY GAS TRANSMISSION CORPORATION, A DE CORP AND THE OHIO FUEL GAS COMPANY, AN OH CORP, MERGED WITH AND INTO COLUMBIA GAS TRANSMISSION CORPORATION, THE SURVIVOR. ROLL 48
Date	Amendment

For	
3	
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2011	4707700022
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Date filed	

For more information, please contact the Secretary of State's Office at 304-558-8000.

Tuesday, July 25, 2023 — 10:08 AM

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## West Virginia Secretary of State — Online Data Services

## **Business and Licensing**

Online Data Services Help

## **Business Organization Detail**

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#### **UNITED FUEL GAS COMPANY**

Organization I	nformatio	n						
Org Type	Effective Date	Established Date	Filing Date	Charter	Class	Sec Type	Termination Date	Termination Reason
C   Corporation	2/1/1916		2/1/1916	Domestic	Profit		6/30/1971	Merger

Business		Capital Stock	10000.0000
Purpose			
Charter		Control	0
County		Number	0
Charter	1407	Evene Aeree	0
State	WV	Excess Acres	U
At Will		Member	
Term		Managed	
At Will		Dan Value	400,000000
Term Years		Par Value	100.000000
Authorized	400	Young	Not On a sifind
Shares	100	Entrepreneur	Not Specified

	Addresses	
ij		l

Date	Amendment
6/30/1971	UNITED FUEL GAS COMPANY, ATLANTIC SEABOARD CORPORATION, CUMBERLAND AND ALLEGHENY GAS COMPANY, MANUFACTURERS LIGH AND HEAT COMPANY, HOME GAS COMPANY, KENTUCKY GAS TRANSMISSION CORPORATION AND THE OHIO FUEL GAS COMPANY MERGED WITH AND INTO COLUMBIA GAS TRANSMISSION CORPORATION, A DE CORP, THE SURVIVOR. ROLL 48
9/30/1963	AMERE GAS UTILITIES COMPANY MERGED WITH AND INTO UNITED FUEL GAS COMPANY, THE SURVIVOR FILED BOOK 238 PAGE
12/9/1954	INCREASE TO \$10,000,000 (4,000,000 SHARES WITH PAR VALUE AT \$25 PER SHARE) BOOK 216 PAGE 406
12/30/1946	INCREASE TO \$10,000,000 AND CHANGE OF PAR VALUE OF SHARES TO \$25 (400,000 SHARES AT A PAR VALUE OF \$25) BOOK 173 PAGE 296
12/21/1946	INCREASE TO \$400,000 (400,000 SHARES AT PAR VALUE OF \$1 PER SHARE) BOOK 173 PAGE 293
5/31/1944	ARTICLES OF INCORPORATION BOOK 175 PAGE 320
12/17/1938	AMENDMENT: CHANGE AUTHORIZED CAPITAL STOCK FROM 300,000 SHARES AT PAR VALUE OF \$100.00 TO 300,000 SHARES AT PAR VALUE OF \$1.00. BOOK 151 PAGE 451
12/17/1938	AMENDMENT: DECREASE AUTHORIZED STOCK FROM \$30,000,000.00 TO \$300,000.00
4/7/1920	INCREASE TO \$30,000 BOOK 102 PAGE 558
3/14/1916	CHANGE OF NAME FROM KERMIT GAS COMPANY BOOK 32 PAGE 440
Date	Amendment

For more information, please contact the Secretary of State's Office at 304-558-8000.

Tuesday, July 25, 2023 — 10:05 AM

© 2023 State of West Virginia

N/A

WW-2B1 (5-12)

Well	No.	Terra	Alta	7394	
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## West Virginia Department of Environmental Protection Office of Oil and Gas

#### NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Labora Sampling Conti		
Well Operator Address	Not applicable - existing underground natural gas storage well	
Telephone		

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

Office of Oil & Gas

JUL 2 4 2023

WV Department of Environmental Protection

API Number 47 - 077 - 00022
Operator's Well No. Terra Alta 7394

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Columbia Gas Transmission, LLC	OP Code 307032
Watershed (HUC 10) Gawney Run of Saltlick Creek	Quadrangle Aurora, WV 7.5'
Do you anticipate using more than 5,000 bbls of water to co	implete the proposed well work? Yes No
Will a pit be used? Yes No	
If so, please describe anticipated pit waste: N/A	
Will a synthetic liner be used in the pit? Yes	No If so, what ml.? N/A
Proposed Disposal Method For Treated Pit Wastes	::
Underground Injection (UIC Pe Reuse (at API Number Off Site Disposal (Supply form Other (Explain Mud Master 6405	
Will closed loop systembe used? If so, describe: yes - stee	el flow line to tanks
Drilling medium anticipated for this well (vertical and horiz	zontal)? Air, freshwater, oil based, etc. Fresh water
-If oil based, what type? Synthetic, petroleum, etc.	. N/A
Additives to be used in drilling medium? NaCl, biocide, soda	ash, polymer, starch, CaCO3, HCl acid
Drill cuttings disposal method? Leave in pit, landfill, remo	ved offsite, etc. N/A
-If left in pit and plan to solidify what medium wil	be used? (cement, lime, sawdust)_N/A
-Landfill or offsite name/permit number? To be ma	anaged by Waste Management and US Ecology for disposal at permitted landfill
	nd Gas of any load of drill cuttings or associated waste rejected at any ided within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the Wes provisions of the permit are enforceable by law. Violations or regulation can lead to enforcement action.  I certify under penalty of law that I have personapplication form and all attachments thereto and that, based	Office of Oil & Gas  JUL 2 4 2023
Subscribed and swom before me this 13 th day of	of T. 14 , 20 23
Land Llunk	***************************************
- 1 - M	GREGORY'S LARCH Notary Public Official Seal
My commission expires July 20	State of West Virginia My Comm. Expires Jul 20, 2025 TC ENERGY 1700 Maccorkle Ave. SE Charleston WV 25314

Operator's Well No. Terra Alta 7394

Proposed Revegetation Trea	atment: Acres Disturbed < 1.0	Preveg etation pH 6-7	
Lime 2	Tons/acre or to coπect to pH	7-8	
Fertilizer type 10-	-10-10		
Fertilizer amount	600 lb	s/acre	
Mulch hay or st	traw @ 2Tons/a	acre	
	See	d Mixtures	
Т	 Cemporary	Permanent	
Seed Type	lbs/acre	Seed Type lbs/acre	
Annual rye	40	Orchard Grass and/or Tall Fescu	e 29
		Birdsfoot Trefoil (Empire)	ç
		Annual Rye	12
Maps(s) of road, location, provided). If water from the L, W), and area in acres, o	pit and proposed area for land applice pit will be land applied, provide wif the land application area.  olved 7.5' topographic sheet.	ation (unless engineered plans including this info ha ater volume, include dimensions (L, W, D) of the pit	ve been , and din
Maps(s) of road, location, provided). If water from the L, W), and area in acres, o	e pit will be land applied, provide with the land application area.  olved 7.5' topographic sheet.	ation (unless engineered plans including this info ha ater volume, include dimensions (L, W, D) of the pit	ve been , and dim
Maps(s) of road, location, provided). If water from the (L, W), and area in acres, or Photocopied section of inverse Plan Approved by:	e pit will be land applied, provide with the land application area.  olved 7.5' topographic sheet.	ater volume, include dimensions (L, W, D) of the pit	, and dim
provided). If water from the (L, W), and area in acres, o	e pit will be land applied, provide word the land application area.  olved 7.5' topographic sheet.	ater volume, include dimensions (L, W, D) of the pit	, and dim
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Maps(s) of road, location, provided). If water from the (L, W), and area in acres, or Photocopied section of inverse Plan Approved by:	e pit will be land applied, provide word the land application area.  olved 7.5' topographic sheet.	RECEIV Office of Oi  JUL 2 4	ED Gas
Maps(s) of road, location, provided). If water from the (L, W), and area in acres, or Photocopied section of inverse Plan Approved by:	e pit will be land applied, provide word the land application area.  olved 7.5' topographic sheet.	RECEIV Office of Oi  JUL 2 4	ED Gas
Maps(s) of road, location, provided). If water from the (L, W), and area in acres, or Photocopied section of inverse Plan Approved by:	e pit will be land applied, provide word the land application area.  olved 7.5' topographic sheet.	RECEIV Office of Oi  JUL 2 4	ED Gas

WW-9- GPP Rev. 5/16

Pag	
API Number 47 - 077	_ 00022
Operator's Well No. Te	erra Alta 7394

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

GROUNDWATER PROTECTION PLAN

Quad: Aurora, WV 7.5'
Include a list of all operations that could contaminate the
be stored on site. Fuel, oil, and lubricants ontainment. Accidental spills from oduced well fluids are the only possible flowback fluids to be stored in tanks. All sal facility.
ality from the list of potential contaminant sources above
monitored and inspected daily for leaks. e on site.
distance from closest Well Head Protection Area to th
est Well Head Protection Area at a
or groundwater protection.
RECEIVED Office of Oil & Gas
JUL <b>2</b> 4 2023

WW	-9-	GP1
Rev.	5/1	6

Page 2 of 2

API Number 47 - 077 - 00022

Operator's Well No. Terra Alta 7394

N/A	
Provide a statement that no waste material will be used for deicing or fill n	naterial on the property.
No waste material will be used for deicing or fill material or	n the property.
Describe the groundwater protection instruction and training to be provided direction on how to prevent groundwater contamination.	ided to the employees. Job procedures shall
During routine tailgate and JSA meetings groundwater pro	tection will be a topic of discussion.
	RECEIVED Office of Oil & Gas
	JUL 2 4 2023
	WV Department of Environmental Protection
2. Provide provisions and frequency for inspections of all GPP elements and	equipment.
No fertilizer will be stored on site. Fuel, oil, and lubricants well fluids are the only possible source of contamination to	t, well treatment fluids, and produced
All construction and well servicing equipment will be monito spills.	red and inspected daily for leaks or
Signature: Wall	
Date: 07.13.1013	

RECEIVED Office of Oil & Gas

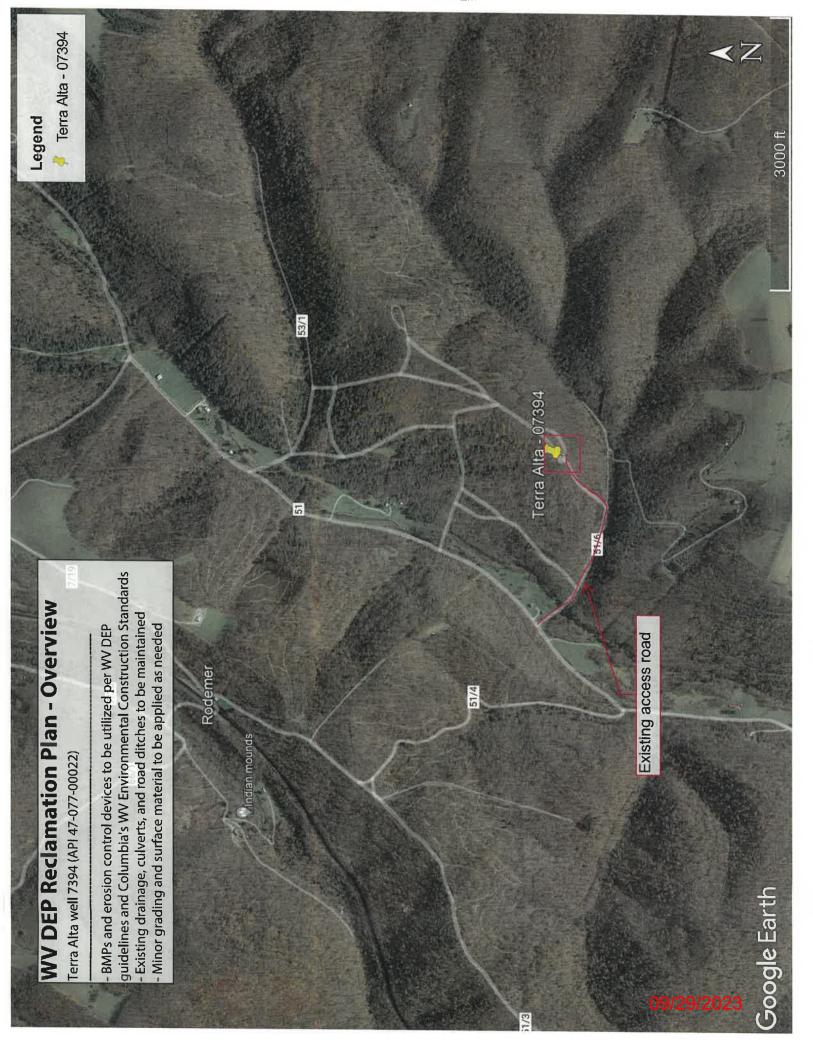
JUL 2 4 2023



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Office of Oil & Gas

JUL 2 4 2023

WV Department of Environmental Protection



Office of Oil & Gas

