

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 Earl Ray Tomblin , Governor Randy C. Huffman , Cabinet Secretary www.dep.wv.gov

Thursday, August 04, 2016 WELL WORK PERMIT Vertical / Plugging - 2

COLUMBIA GAS TRANSMISSION, LLC P. O. BOX 1273

CHARLESTON, WV 253251273

Re: Permit approval for 7300 47-035-00506-00-00

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.

lames A. Martin

Chief

Operator's Well Number: 7300

Farm Name: WASKEY, J. H., ETAL

U.S. WELL NUMBER: 47-035-00506-00-00

Vertical / Plugging - 2

Date Issued: 8/4/2016

Promoting a healthy environment.

PERMIT CONDITIONS

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

CONDITIONS

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

WW-4B Rev. 2/01

1) Date 6/15	, 2016
2) Operator's	
Well No. Ripley 7300	
3) API Well No. 47-03	5 - 00506

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4)	Well Type: Oil/ Gas $\frac{X}{}$ / Liquid	d injection/ Waste disposal/
	(If "Gas, Production or Und	derground storage X) Deep X / Shallow
5)	Location: Elevation 884.8 ft (269.7 m)	Watershed Sandy Creek
	District Ravenswood - 1	County Jackson Quadrangle Sandyville, WV -59 8
6)	Well Operator Columbia Gas Transmission, LLC	7) Designated Agent Paul Amick
	Address 1700 MacCorkle Ave SE	Address 1700 MacCorkle Ave SE
	Charleston, WV 25325-1273	Charleston, WV 25325-1273
8)	Oil and Gas Inspector to be notified	9) Plugging Contractor
	Name Jamie Stevens	Name Contractor Services Inc
	Address 105 Kentuck Road	Address 929 Charleston Rd
	Kenna, WV 25248	Spencer, WV 25276
	P2	

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

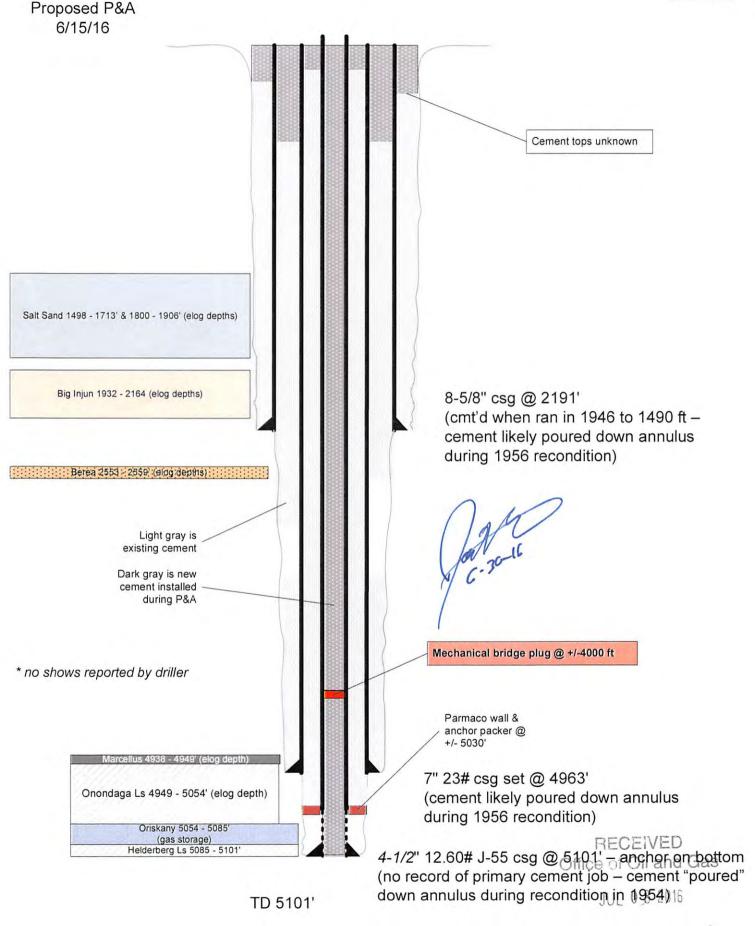
* refer to "prior to P&A" and "proposed P&A" wellbore schematics Kill well. Obtain cement bond log. Clean out well to base of Oriskany sandstone. Install bottom cement plug 4000 ft to TD. Set mechanical bridge plug @ +/- 4000 ft. Based on results of CBL, perforate and squeeze cement any oil, gas, and/or water zones not covered with cement as directed by State Inspector. Recover all uncemented casing that is free, except for the 8-5/8" casing (casing needs left in well in the event future well intervention required). Cement from bridge plug to surface. Grout all uncemented annuli to surface. Install monument with API number.

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

Work order approved by inspector

Environmental Protection

** not to scale **



RIPLEY 7300 ** not to scale ** Prior to P&A 6/9/16 Cement tops unknown Salt Sand 1498 - 1713' & 1800 - 1906' (elog depths) Big Injun 1932 - 2164 (elog depths) 8-5/8" csg @ 2191' (cmt'd when ran in 1946 to 1490 ft cement likely poured down annulus during 1956 recondition) Berea 2553 - 2559 (elog depths) 12 A . 16 * no shows reported by driller Parmaco wall & anchor packer @ +/- 5030 Marcellus 4938 - 4949' (elog depth) 7" 23# csg set @ 4963' Onondaga Ls 4949 - 5054' (elog depth) (cement likely poured down annulus

TD 5101'

Oriskany 5054 - 5085' (gas storage) Helderberg Ls 5085 - 5101' during 1956 recondition)

down annulus during recondition in 1954)

4-1/2" 12.60# J-55 csg @ 5101' - anchor on bottom (no record of primary cement job - cement "poured"

3500506 P	

Ripley - 07300				3 to 3 to 3				VFM (psig): 5,147	1.34	CA	P Rani	king: 111
Field Name	Well Number	Redlined By	Redlin	ned Date	Com	ments							
RIPLEY	07300	Amos	3/30/2	2012	Cout	d not run Hires tool	in 2011. Prol	ably internal w	eld.				
Operating Area		Maximo Number	API N	umber	Leas	e Name:			Spud Date	Acerag	e TVD (ft)	MD (ft)	Datum Reference
ST. ALBANS		SW-031207300	47035	00506000	00 John	H. Waskey, Et Ux	Jx		5/10/1946	72	5,101		
Township/Tax District	Tax Number	County		Latitude		Longitude (DD)	Section #	Lot #	State Permit	Line #	Line Length		
RAVENSWOOD	351502	Jackson		38.89636		-81.681324	58-97					52652	#304N/440E
Well Classification	Storage Well	Key Well	Group	Su	bGroup	Completion Type		Est. Deepest	t FW (ft)	Ground Eleva	aiton (ft)	KB Elev	ation (ft)
OBSERVATION	Yes	No	<u></u>									<u> </u>	
Distances/Access	_		Topography O Agricultural Mountainous Stock Tank?										
# Structures within 66	-	2,500	Flat Recidential Science Control Recidential										
` '		2,400											
to Stream (ft):	-	1,800		arshy		teep	C	ondition					
to Stream (it):	-	2,100	L										
to Wetlands (ft):	<u> </u>	2,100											
to Water Well (ft):	<u> </u>	2500	✓ C	athodica	illy Prof	tected?	□ Dike						
Location Size (LxW) f	_{1.}	160 x 40		Length, Width, Height (ft)									
				Wellhead Measurement?									
UtilityLines (est. height-ft):				eter Run			_						
StreamCrossing (widt	· · ·		-										
	_												
Direction To Well	h 14/1/ 1.77 /	C to Dovernment an	ia / ia	1.40\ 4	laft (E) as	ata CD EC Fallow	OB EC to Com	ما المسام المام	-+ (C) -= CD (74 (AIA LIC O4)	C as to mail	hav 0000	(aaraaa fram
Ripley 7300- Parkersl trailer park), turn right	burg WV- I-// : Luphill bearing	S to Havenswood ex right past barn. Cor	at (exit atinue u	146) turn i Ibhill throu	leπ (E) oi iah two fa	nto CR 56. Follow arm gates to well in	CH 55 to San pasture at to	ayville, turn rigr o of hill.	nt (S) on CH 2	21 (010 US 21)	S- go to mail	DOX 8000	(across from
i land pany, tam ngm	. op 50ag				.g	g_	. р		,				
	_											_	
Landowner Restri	ctions												
													ļ
Eην	\circ												
Cemiments	¥												
		hably internal weld											
Could not run. Hires to		babiy internal word.											
lle eb	ž Ö												
	$\mathcal{Q}_{\mathbb{Z}}$												
	<u>a</u> ≥												
0_8 2016 Dartmer	CEIVED												
0.8 2016 partment of ental Protect	₩ •												
č <u>ř</u> of	Gas												
0.8 2016 partment of ntal Protection	S												

Ripley -	07300								AFN	M (psig): 5,147 CAP Ranking: 111			
Wellhead				-				The second					
Type Field Fabrica	ted	Install Date 10/25/1954			Flow String 4.50	g (in) Suppo 7	ort String (in)	Working Pr 2000	ess (psi)	Connection Tubing Hanger Comments			
Valves	ma.y.	 							95 h 3 h 3				
Descrip	tion	Installed	Туре	T N	/ake	Size (in)	Working	Press. (psi)		Comments			
Side Valve		10/25/1954	Plug	Nordstro		4.00	2,000	r rooor (por)	in m				
Top Valve			Gate	Orbit		4.00	2,000						
Downhole	Compo		ms in BOLD a		4	عبروس فيقتب	LICS have	been pulle	(d)				
Run	Pulled			Top (ft)	Bottom (ft)		Grade	Thread	Cmt'd				
5/10/1946		8.625	Surface Pipe	0	2,191	24.00				1946 WV Well Record indicates/states "8-5/8" cemented tio 1490 ft".			
				•	_					Old 1954 recondition work order states that scope is to "cement between all strings of pipe to surface", but no records to verify actual work performed.			
5/20/1946		7.000	Casing	0	4,963	22.00	<u> </u>			Old 1954 recondition work order states that scope is to "cement between all strings of pipe to surface", but no records to verify actua work performed.			
7/10/1954		6.400	Packer	5,065	5,070		T			Wall & anchor packer - depth questionable.			
7/10/1954		4.500) Casing	0	5,065	12.60	J-55		Υ	Old 1954 recondition work order states that scope is to "cement between all strings of pipe to surface", but no records to verify actual work performed. Most likely cmt'd to surface.			
7/10/1954		4.500	lotted Ancho	5,070	5,101]				No record of anchor/tailpipe, but, with W&A packer, I assume there is a slotted/perforated anchor/tailpipe to activate pkr elements.			
5/30/1946	7/9/19	954 <i>2.37</i> 5	5 Tubing	O	5,078	4.60	0			Pulled.			
Formations	S				,		a at the second	the second second	1989 - 1 11 112 - 12 41 - 1				
Formation			Top (ft)	Bottom (ft) FI	uid Shows			Comments / Log Reference			
Drillers Log	of Forma	tions		9 1		Transfer of		Programme and					
Sand				485		535	· ' · · · · · · · · · · · · · · · · · ·	1					
Berea		-		2,545		2,555							
Brown Shale				3,735	-	4,953		Ì					
Onondaga Li	mestone			4,954		5,066		1					
Oriskany Sar	ndstone			5,066		5,082	G	Comments	: 4.915 M	mcfd			
TD				5,101		5,101							
Elog Format	tion Tops												
Logger's TD													
Oriskany Sar	ndstone												
Berea													
Brown Shale													
Sand													
Onondaga Li	mestone												

Thursday, June 09, 2016 Page 3 of 8

S
Š
205
P

Ripley - 0730	0		• Type of the second						AFI	M (psig): 5,1	147	С	AP Ranking	g: 111
Stimulations	The state of the s				1			76 177						
5/21/1946 - Shot 4	40 Qts. Glycerin								***************************************					
Date	Stim Type		Stim Comp	any		Stim Tra	ade Name	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Zone		Top (ft)	Bott	tom (ft)
5/21/1946	Shot 40 Qts. Gly	/cerin								Oriskany sand or	Ridgeley sand or Nia	5,066	5,08	32
Est. Pore Press (psi	i) Breakdown Pres	s (psi)	Avg. Treat	Press (psi)	ISIP (p	si)	Avg. BH F (bpm)	Rate	Flush Flu	iid	Fluid Flush Density	(ppg)	Nitrogen Amt (mc	:f)
Proppant Tyee Mes	ih		Proppant A	Amount (lb)	Max BH	sand co	ncentration	(lb/gal)	Total Job	Load Recovered (I	bbl)	% Job	Load Recovered	
Fluid Type 1:	Fluid Amt 1 (bbl):	Fluid T	ype 2:	Fluid Amt 2	2 (bbl):	Fluid Ty	pe 3:	Fluid Amt	3 (bbl):	Fluid Type 4:	Fluid Amt 4 (bbl):			
Comments Shot 40 Qts. Gylcer	rin - no other data.													

Date	Туре	C	n	kh	Skin	True Skin	DD Rate (Mcfd)	AOF (Mcfd)	Comments	Analysis
10/12/2007	Single-Point	0.0653	0.8000	205	-0.85		1,394	9,539		Decent test. Falls very closely to the multi in 1997. Very close to getting out of wellbore storage (autofit was the best fit). 11% pressure drop. (Well should be changed to an observation well because of operational problems)
11/19/1997	Multi-Point	0.0690	0.8000	216		-2.63	1,473	10,077		
05/13/1946	Open-Flow	1								

Notes	en de la companya de Al companya de la co	
Date	Category Detail	Added by
5/10/1946	Note Historical Well Notes	
07/20/1954	4 1/2 cemented with 500 sacks cement(between all strings and 4 1/2 to surface 8 5/8 cemented to 1490'	bubernak
	microfiche does not indicate a deeper depth than the original TD	
	5/21/1946 Well shot w/ 40 qts	
	open flow 4.915 Mmcfd/ 960# rp in 24 hrs	
	Wellhead change in 1954 Reconditioned 1954	
04/12/2012	BAL ran 3.65" OD gauge ring. Attempted to run HRVRT but set down at 16 ft - abort HRVRT. Prep to run VRT. Ran 3.78" guage ring - very tight at weld below wellhead tee - worked thru weld but had troubles getting back up thru weld. Aborted running pipe inspection logs. Combination of weld and probably crooked wellhead likely the issue.	
12/12/2013	Program Change moved from 2015	bubernak
12/12/2013	Good for quick plug if money permits.	

Thursday, June 09, 2016

11-5159-1954

FORM U 387-R-P C 8 D WELL WORK ORDER 6987 DATE ISSUED 9-17 United Fuel Gas Company 5-19 764 WORK ORDER NO ... _BUDGET NO._ Clendenin COMPANY United Fuel LEASE NO._ WELL NO. 7300 Va. STATE W. Ravenswood Jackson WELL NO. 7300 DISTI 58-97 LOCATION MADE BY United Carbon Company PAGE_ NOTE BOOK NO BUILDINGS WITHIN_ COAL_ PURPOSE AND NECESSITY To Purchase well from United Carbon Company for storage in Pool X-59. D WORK ORDER NOS DATA AND APPROVALS CHECK PERMITS OR SERVICES REQUIRED CHECK TYPE OF WORK DRILLING PERMIT---Panchasewell A .. 🗆 DRILL WELL DEEPER----__ 🗆 . DRILLING CONTRACTOR United Carbon Co. FEET, BAND Oriskany ESTIMATED DEPTH. YFS NO YES NO WATER COMPANY WILL FURNISH APPROVALS 5-10 , 54 John C. Martin 5-13 19 54 MGR. H. C. Mefford, Jr. 5/19 DIVISION BUPT. J. A. Seese 5-14 19 54 GENERAL S. R. Ferrell ENGINEER_ PRESIDENT___ DETAIL OF ACTUAL COST DETAIL OF ESTIMATED COST Purchased QUANTITY PRICE AMOUNT MATERIAL TO BE INST 4,272.00 8-5/8" 8,288.00 7" 811 2191 2191' 2,955.66(1316.34) 24# 1.95 1.35 WEIGHT CASING 4963 1.10 1.67 5,464.26(2823.74 4963! 22# WEIGHT TUBING FITTINGS 29.00 8-5/8" 20.88 (8.12 811 29.27 Casing Shoe 23.00 7" 18.06 (4.94 Casing Shoe 711 23.21 8.458.86(4153.14 12,612,00 TOTAL MATERIAL **** INSTALLATION OF RETTREMENT COST * * * * * Original 1,159.52(1340.48) 2,500,00 LABOR 2,445.23 (554.77) 3,000.00 USE OF AUTO AND HAULING RIGHT OF WAY 24,230,00 @ 4.75 PER FOOT DRILLING 5101' @ 3,456 17,629,06(6850,94 HAULING, ERESTING AND DISMANTLING RIG USE OF RIG 250.00 FUEL 2,051,49 1801,49 100,00 TORPEDO 150,00 SUPPLIES AND EXPENSE 08/05/2016 635.96 635.96 ENGINEERING DEPARTMENT BURVEY STORES EXPENSE AND FREIGHT LABOR BENEFITS OVERHEADS 2-764-6987 ADMINISTRATIVE OVERHEADS 23.921.26(6308.74 TOTAL INSTALLATION OF FETHREMENT-COST - Original 42,842.00 ... 32,380,12(0461,88) TOTAL ESTIMATE

WELL WORK ORDER

2-764-7648

	WO	RK ORDE				
OUEST NO. 4433 TE JULY 9, 19 54	12	-5135-54	BUDGET NO.	764	_ WORK ORDER NO DATE ISSUED	
TE July 9, 19_54	1~	-)-)-)-)4				19_74
MPANY United Fuel Gas Company				ction	DISTRICT	lendenin
POSED WORK Recondition Well X-59-7	300 and	Install H	eavier Equi	pment.		
OWN AS Well X-59-7300 - Additions					ORIGINAL	
POSE AND NECESSITY To clean well out an	d instal	1 heavier	equipment	due to	Wefl being pur	chased for
storage in Pool X-59.	The state of the s					
CATION: Well X-59-7300						
Ravenswood DISTRIBUTION PLANT MAGISTERIAL DISTRICT		Rur	al G DISTRICT	Jac	kson West	Virginia STATE
76).7	FOR	Well X-	59-7300 - P	art Ren	oval	
ATED PROJECT WORK ORDER NO. 1041	ron_	APPROVED	7	H. Kime		
	DETAIL	OF EXPENDITUR	RES			
MATERIAL TO BE INSTALLED TOTAL	SIZE	QUANTITY	AMOUNT	QUANTITY	ACTUAL	VARIATION
Stool Muhana 10 6# 1 06	4-1/2"	5078	5,383.00		5,623.51	240.51
Steel Tubing 12.6# 1.06 Wall & Anchor Packer	4"x7"	10,00	175.00	1	182.40	7.40
Orbit Gate Valve-Comp.	4"	ī	510.00	1	399.30	(110.70
Nord Fig. 2349 P. Valve-Comp.	421	1	365.00	1	369.81	4.81
Welded Tee	4"	1	13.00	-	0.05	(13.00)
W/N Flanges Ser. 90 25.00	4"	8	200.00	8	267.50	67.50
Centralizers Casing 42"x8" 28.00	-14tt X7tt-	6	168.00	6	145.84	(22.16
Anchor Clamps	4"	1	20.00	1	19.63	(.37
Turnbuckles la" x 12" 14.00 =	1/2"x10	2	28.00	2	22.26	(5.74
Fittings	. 11		35.00	1	32.03 11.62	(2.97 11.62
Insulation Flange	4"			1	11.02	11.02
TOTAL MATERIAL	2	· Y	6,897.00		7,073.90	176,90
INSTALLATION CONTENTS COST		1	0 500 00		1,605.57	(894.43
Direct Labor		1	2,500.00		1,073.96	(426.04
Use of Auto and Hauling Tools, Supplies and Miscellaneous F	lymanga		35.00		136.48	101.48
Interest	Apenae		105.00		190.26	85.26
Hauling, Erecting and Dismantling S	Spudder	1	350.00		_ *	(350.00
Fuel	2		35.00		_	(35.00
Cement and Services			2,000.00		1,299.51	(700.49
				7		
Stores Expense and Freight			745.00		746.12	1.12
Labor Benefits and Non-Productive	Pime		468.00		290.35	(177.65
Administrative and General Labor Ov	verheads		63.00		53.53	(9.47
TOTAL INSTALLATION CONTENTS COST			7,801.00		5,395,78	
TOTAL ESTIMATE			14,698.00	-	12,469.68	AND DESCRIPTION OF THE PARTY OF
INDICATE NORTH SKETCH	(CORRECT)	TO ACTUAL)			INVENTORY MAP NO.	None
					Map Square 58	
Note: Move in bucyrus erie spudde	er and s	tring of	cleaning ou	C		Comp. 6
tools. Clean well out and rum str:	ing of h	-7 /2" tub	ing on wall			
tools. Clean well out and run str.	ING OF 4	-1/2 000	THE ON WOLL			
and anchor packer. Cement between	all str	ing of ca	sing and 4-	1/2"		
tubing to surface. Install well f:	ittings	and repor	t results.			
	- 44,		* 1			
	T Garage					
* Included in Direct Labor and Use	of Auto	mobile.				
4.						
2.						
1 1						
1						
		v.				
-4						
					(08/05/201
						÷

QUANTITY MAPPED

MAPPED BY.

- Harris Service		COMPLET	ION REPORT			
MAKE NE	CESSARY	Y REVISIONS ON SKETCH TO SHOW WORK ACTUALLY P	ERFORMED.	INDICATI	NG LOCATION AND DIMENSIONS OF SPE	ECIAL CON .
STRUCTIO	on.				5-104-	
FOR LINE	WORK	ON ESTABLISHED STREET OR HIGHWAY, INDICATE ON	SKETCH THE	DISTAN		
TION UNI	DER PAV	ING.				
WHEN LI		NDS INTO TWO OR MORE TAX DISTRICTS, LIST BELOW F				
		OFSIZEKIND		TWP	DIST.	
		OF SIZE KIND		TWP	DIST	COUNTY
		OF SIZE KIND		TOWN	DIST.	COUNTY
	FT.	MATERIAL INSTALLED OF RETURED		TWP	MATERIAL INSTALLED OR RETIRED	COUNTY
	1			1		
QUANTITY	SIZE	DESCRIPTION	QUANTITY	SIZE	DESCRIPTION	
51381	4"	Tubing, Sm'l, Gr J 12.60%	`			
1 .	4"X7	Comb, Wall & Anchor Packer	١			
6	4" X8	-5/8" Casing Centralizers	1			
1	4"	Orbit Gate Valve	,			
luch	4"	Nord # 2349 Plug Valve	Y-			
8		W.N.Flanges Ser 90	1			
5	4"		`			
Man Lag	4"	Insulation Flange R.J.Ser 90	Man to	Service.		- 3
1	411	Welding Tee				1
g The name		" Valve Steel Needle M&F	N THAT DE	Ade	=*\Qu	
1	The state of the s	- Bull Plug				
2	1克"X	12" Turnbuckles	\	4 44.5		
48	1-1/8	" X 6-3/4" Stud Bolts	AGE = 158	EPER I	WT	Carlotte 1
2	1-1/	4" X 24" Haip Pin Bolts & Linl	S		MWA SHIMBLE DOWN	
Tara and	411	Anchor Clamp			MARKET SER NA AND	15
10	Lbs	Thread Lubricant	· 1 7H	PER AN	01 1 2 NGA 10 15	Part Trees
4	Sks	Aquagel		1903	41 - 20368 16 15	Till San San
500	Sks	Cement	\ .	617	91 (2.4)	117
500 2½ (u-Yd	s Ready Mixed Concrete		216874	6 Service A	THE RES
- June -				-Dead		8 18 7
		The state of the s				-
Limberton	MARK I	0-10-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-		12.5 "	Of A Secret Con-	Shottley L
Peci			1	350	U	142 10 F
12/4/19/3	200	er fore and Propositional Application		3.50	43	240145
7.7.7.2	not be	THE STORE STREET, Development of Table		2020	97 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	SE W
DD OI	Millen	The Bud Systes (Tanacan exhause)			91	rafelfi s
The same	Target L			Deserve	0	-54-4
MATERIAL T	DANGEED	NUMBERS: 1954 7-77-174, 8-161-162	9-227	. 10-	-140.11-37-82. Nov N-4	9-67-68-
MATERIAL I	T	U 30020 30066 30063 30000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	21/2 21 21/2 31/2 31/2 31/2 31/2 31/2 31	PRETED 1
13-14	, F.	0. 30979-30988-30982-30990.		ODICINAL	NOTALLATION BATES OF BRODERTY BETTE	
A second	P	PIPE COATING		ORIGINAL	INSTALLATION DATES OF PROPERTY RETIR	
QUANTITY	(crear	KIND FT. OF PIPE	QUANTITY	8373		DATE
Adding	CO MOVE					
Contras	7.300 N	Cheaple 10 - 26, 50*00 L4 L4L	ru	Sins		estant l
AVE ATE	history	864. 30 85.00	51	4217		
TYPE OF J	BT/IC	S to her contract the first	INFORMATI	ON TO E	SE FURNISHED FOR SMALL STRUCTURES	
EXCAVATION		ND FT. MACHINE FT.	OUTSIDE D	IM. ILENO	3TH WIDTH	
WIDTH OF	TRENCH	FT. AVG. DEPTHFT.	HEIGHT TO	EAVES_	HEIGHT TO RIDGE	477.201
TYPE OF PA	AVING _	14-15 T*00 A-175 / N	FOUNDATIO	20.46		THE PART OF
		FT. LENGTHFT.	FOUNDATIO	ON:	HEIGHT DEPTH ABOVE GROUND BELOW GF	SOUND
		OF SOIL:			THICK	
DESCRIBE	TATORE .	OF BOILE	ALC: NOT THE REAL PROPERTY.		THICK	
Condition from	2.00	C. Bankin	DOMEST AND		5,000	NESS
REPORT UN	NUSUAL (CONDITIONS ENCOUNTERED IN CONSTRUCTION:	A CONTRACTOR OF THE PROPERTY O		KIND.	
		1,27,2,2010	the second second		SIZE KIND	
-		ันเราะสับกับ	WINDOWS:	NO	SIZE KIND	Little -
11011001	01.1.12	MUNICIPALIT	PAINTING			
		Environmenta	MISCELLAN		THE TO WAS DETER DELETE	
		ISOS (I VVV	-turbunda da ratio	-		
		RUN UNDERRUN: Direct Labor, Use of A				
esti	mates	pased upon similiar work performed	in othe	rsto	rage Pools, due to the ogy	05/2016
gain	ed in	reconditioning wells in these other	storage	booT	5. The grant control of the	1-0 To
- 689	land	iO to soffice of Oi				
12/72	CHA	7071			IVE states are the	€,
DATE WOR			DATE WORK	сомере	October 25,	54
COMPILED	Jon:	20-20 1120hr	APPROVED I	7.1	I PAU DATE NOV 3	10 521

.....

00506

WW-4A Revised 6-07

1) Date:	6/15/16	
2) Operator	's Well Number	
Ripley 7300		
Ripley 7300		

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

3) API Well No.: 47 -

Surface Ow a) Name	ner(s) to be served:	5) (a) Coal Operator Name	not operated
Address	5382 Parkersburg Rd	Address	
	Sandyville, WV 25275		
b) Name		(b) Coal Owr	ner(s) with Declaration
Address		Name	
		Address	
c) Name		Name	
Address		Address	
spector	Jamie Stevens	(c) Coal Less	see with Declaration
A 200	105 Kentuck Pood		
	Kenna, WV 25248	Address	
elephone	304-206-7775		
	a) Name Address b) Name Address c) Name Address aspector address	Address 5382 Parkersburg Rd Sandyville, WV 25275 b) Name Address c) Name Address Jamie Stevens 105 Kentuck Road Kenna, WV 25248	Address Sandyville, WV 25275 b) Name Address Address Sandyville, WV 25275 b) Name Address C) Name Address Address Damie Stevens Lispector Liddress Jamie Stevens Lispector Liddress Lispector Liddress Jamie Stevens Lispector Liddress Liddress

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

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

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

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

Well Operator
By: Jim Amos
Its: Senior Well Services Engineer
Address 48 Columbia Gas Rd
Sandyville, WV 25275
Telephone 304-483-0073

Subscribed and sworn before me this

day of

į

2016 otary Public NOTARY PUBLIC OFFICIAL SEAL MARY MARIE CLENDENIN State of West Virginia My Commi Expires Mar 22, 2020 Columbia Pipeline Group

Oil and Gas Privacy Notice

My Commission Expires

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



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

June 28, 2016

Carl Olin Shockey 5382 Parkersburg Rd Sandyville, WV 25275

Mr. Shockey, Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to permanently plug and abandon an underground natural gas storage well located on property owned by you. As reference, the storage field and well ID is Ripley 7300 (API 47–035–00506).

As part of the well permitting process required by the Office of Oil and Gas, Columbia, the well operator, is required to provide a copy of all applicable permit forms for your review and record retention. Columbia encourages you to review each form in detail and follow the instructions as outlined.

If you have questions, feel free to call.

Regards,

Jim Amos

Senior Well Services Engineer Columbia Gas Transmission, LLC

jamos@cpg.com off: 304-373-2412 cell: 304-483-0073

REGEIVED
Office of Oil and Gas

JUL 08 2016

WV Department of Environmental Protection

API No.	035-00506 🦰
Farm Name	J. H. Waskey
Well No.	Ripley 7300

Not Applicable - Coal Not Operated

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

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

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

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

	WAIVER
has examined this proposed plugging	/ owner/ lessee/ of the coal under this well location work order. The undersigned has no objection to the work proposed to be vell operator has complied with all applicable requirements of the West ations.
Date:	
	By:
	Its

RECEIVED
Office of Oil and Gas

JUL 0 8 2016

WV Department of Environmen 08/05/2016

WW-9 (5/16)

API Number	47 -	035	_00506	
Operator's W	ell No	. Riplev	7300	

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)_Sandy Creek	Quadrangle Sandyville, WV
Do you anticipate using more than 5,000 bbls of water to complete th	e proposed well work? Yes No
Will a pit be used? Yes V No	
If so, please describe anticipated pit waste: fresh water, ge	l, cement returns
Will a synthetic liner be used in the pit? Yes No]	If so, what ml.? 30
Proposed Disposal Method For Treated Pit Wastes:	
Reuse (at API Number Off Site Disposal (Supply form WW-9 for	per_34-009-23821, 34-009-23823, 34-009-23824, 34-105-23619)
Will closed loop systembe used? If so, describe: yes	
Drilling medium anticipated for this well (vertical and horizontal)? A	ir, freshwater, oil based, etc. N/A
-If oil based, what type? Synthetic, petroleum, etc	
Additives to be used in drilling medium?	_
Drill cuttings disposal method? Leave in pit, landfill, removed offsite	, etc. No drill cuttings anticipated - other solids to be left in pit
-If left in pit and plan to solidify what medium will be used?	(cement, lime, sawdust) pit to be solidified with subsoil
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and Cas of West Virginia solid waste facility. The notice shall be provided within where it was properly disposed.	
on April 1, 2016, by the Office of Oil and Cas of the West Virginia provisions of the permit are enforceable by law. Violations of any ter or regulation can lead to enforcement action.	ined and am familiar with the information submitted on this quiry of those individuals immediately responsible for obtaining complete. I am aware that there are significant penalties for

3500506P

Proposed Revegetation Trea	atment: Acres Disturbed 1.	0 (site) + 1.4 (road) Prevegetation	Н р
Lime 2	Tons/acre or to correct	ct to pH 6.5	
Fertilizer type 10-	-10-10		
Fertilizer amount	600	lbs/acre	
Mulch 2		_Tons/acre	
		Seed Mixtures	
Te	emporary	Perm	anent
Seed Type Annual Rye	lbs/acre 40	Seed Type Orchard Grass and/or	lbs/acre Tall Fescue 29
		Birdsfoot Trefoil (em	npire) 9
		Annual Rye	12
Maps(s) of road, location, p rovided). If water from the L, W), and area in acres, of	e pit will be land applied, pro	d application (unless engineered plans include water volume, include dimensions (L	
provided). If water from the L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, pro f the land application area.	ovide water volume, include dimensions (L	
Maps(s) of road, location, p provided). If water from the L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, pro f the land application area.	ovide water volume, include dimensions (L	
Maps(s) of road, location, p rovided). If water from the L, W), and area in acres, of thotocopied section of invo	e pit will be land applied, pro f the land application area.	ovide water volume, include dimensions (L	
Maps(s) of road, location, provided). If water from the L, W), and area in acres, of hotocopied section of invo	e pit will be land applied, pro f the land application area.	ovide water volume, include dimensions (L	
Maps(s) of road, location, p provided). If water from the L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, pro f the land application area.	ovide water volume, include dimensions (L	
Maps(s) of road, location, p provided). If water from the L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, pro f the land application area.	ovide water volume, include dimensions (L	
Maps(s) of road, location, p provided). If water from the L, W), and area in acres, of Photocopied section of invo	e pit will be land applied, pro f the land application area.	ovide water volume, include dimensions (L	
Maps(s) of road, location, p provided). If water from the L, W), and area in acres, of	e pit will be land applied, prof the land application area. Solved 7.5' topographic sheet.	ovide water volume, include dimensions (L	

WW-9- GPP Rev. 5/16

	Page		of	
API Number 47 -	035	-	00506	
Operator's Well N	o. Riple	y 7300		

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): Sandy Creek	Quad: Sandyville, WV
Farm Name: J. H. Waskey	
List the procedures used for the treatment and discharge of groundwater.	fluids. Include a list of all operations that could contaminate the
No fertilizer will be stored on site. Small quanti site, but located within secondary containment.	ties of fuel, oil, and lubrications will be stored on
Spills from construction equipment is the only s	source of contaminate to groundwater.
2. Describe procedures and equipment used to protect grounds	water quality from the list of potential contaminant sources above.
All construction equipment will be inspected da	ily for leaks. Spill kits will be on site.
B. List the closest water body, distance to closest water bod discharge area.	ly, and distance from closest Well Head Protection Area to the
Sandy Creek is 1090 ft from wellhead. The clo (Ravenswood Municipal Water Works). Refer to from Department of Health and Human Resour department.	1
Summarize all activities at your facility that are already regu	ulated for groundwater protection.
N/A	
	RECEIVED
	Office of Oil and G

JUL 08 2016

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

WV Department of Environmental Protections

WW-9- GPP Page of - 00506 Rev. 5/16 API Number 47 - 035 Operator's Well No. Ripley 7300 N/A 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. 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. 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.

> gm & an 6/20/16

Signature

Date:

RECEIVED
Office of Oil and Gas

JUL 0,8 2016



STATE OF WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE OF ENVIRONMENTAL HEALTH SERVICES

Earl Ray Tomblin Governor Karen L. Bowling Cabinet Secretary

June 17, 2016

William Timmermeyer, CESSWI Natural Resource Permitting Principal Columbia Pipeline Group 1700 MacCorkle Ave., SE PO Box 1273 Charleston, WV 25314

> Re: SWAP Information Request for Wellhead Protection Area at 38.89636, -81.68132 Jackson County, West Virginia

Dear Mr. Timmermeyer:

CC: William J. Toomey

In response to the informational request dated June 13, 2016 concerning the closest protection areas of the location 38.89636, -81.68132 in Jackson County. Based on the current information, we have found the following closest distances to:

Wellhead Protection Area (Ravenswood Municipal Water Works) : 5.1 miles ZCC (Ripley City Of) : 5.6 miles ZPC (Ripley City Of) : 3.8 miles

Your location is 101.93 river miles upstream from the public water intake at that Guyandotte Station Intake. We do not have information regarding private drinking wells in the area. I suggest you contact the county

health department for this information.

I hope the information provided helps you with the completion of your project. If you have any questions, please do not hesitate to contact me at (304) 356-4309.

Assel

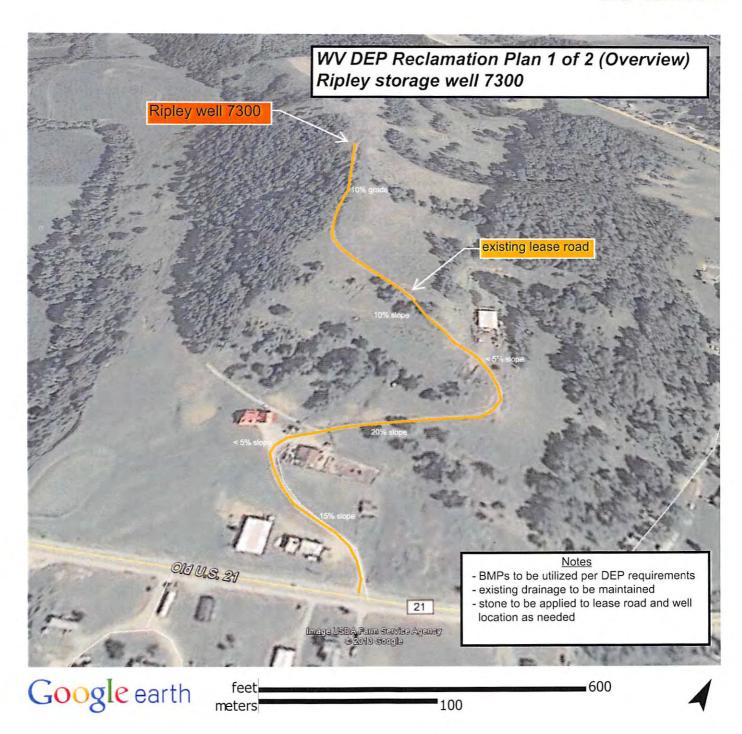
Sincerely

Lisa A. King, GIS Administrator

Source Water Assessment and Protection

RECEIVED
Office of Oil and Gas

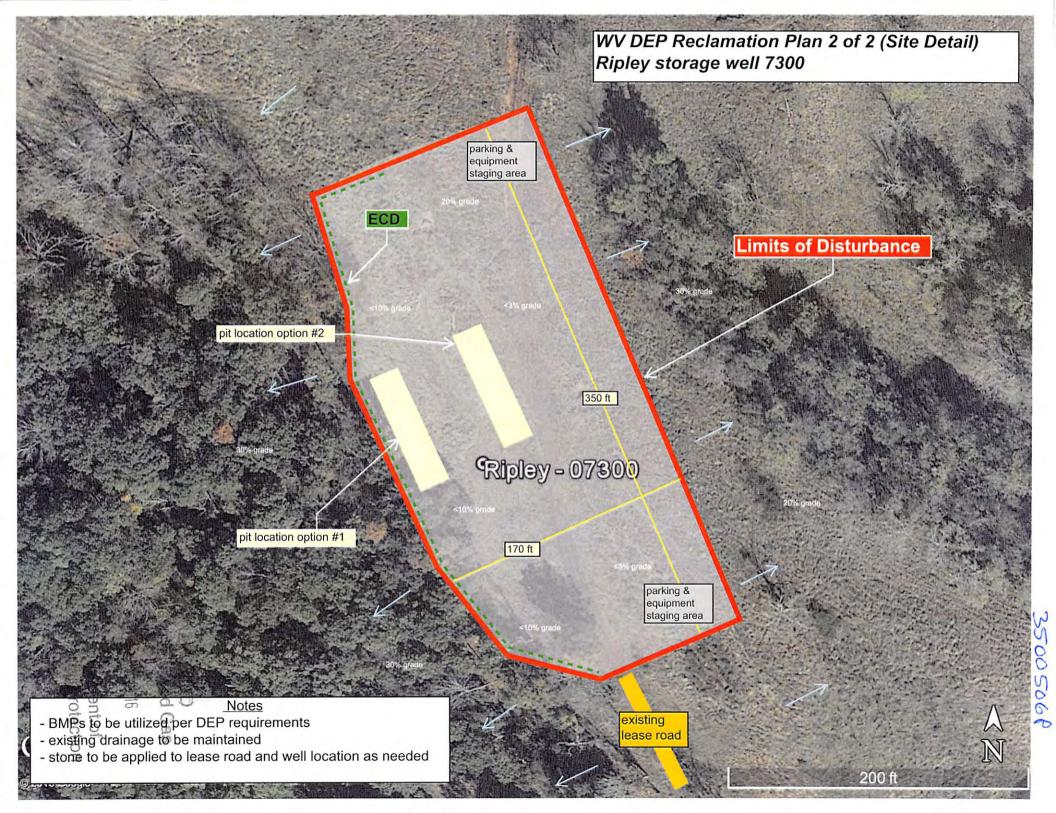
JUL 0 8 2016

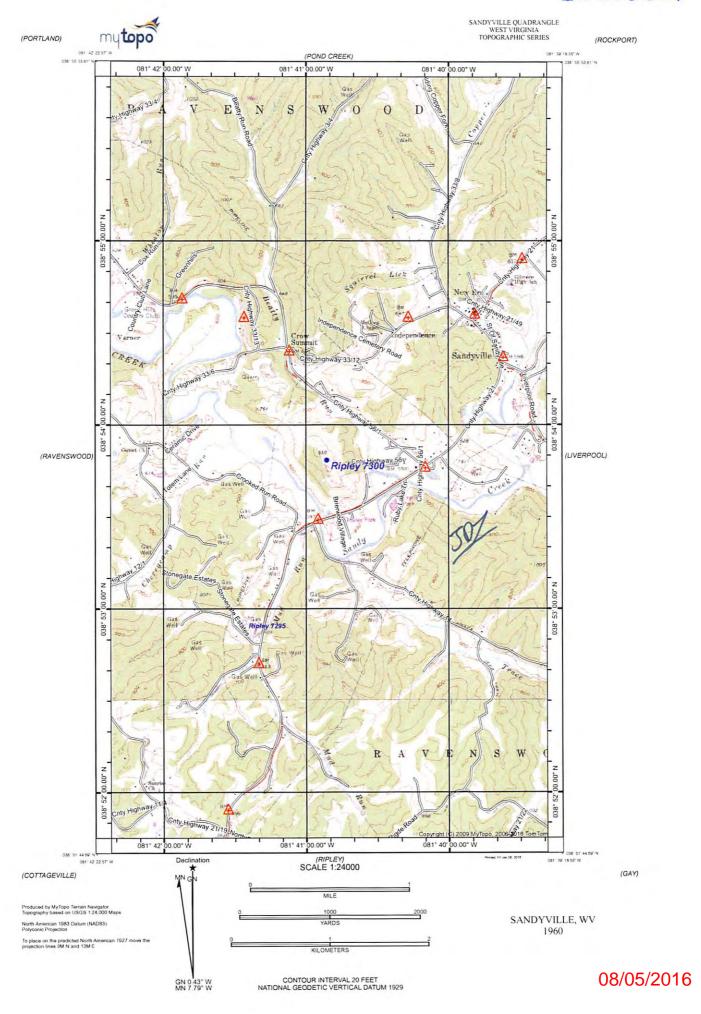


RECEIVED
Office of Oil and Gas

JUL 0 8 2016

WV Department of Environmental |08/05/2916







West Virginia Department of Environmental Protection Office of Oil and Gas

CATION FORM: GPS
WELL NO.: 7300
H., etal
Columbia Gas Transmission, LLC
Ravenswood
WV
a & Lillian Elaine Shockey
orage lease 1052652-000
96.85 m
50 m GPS ELEVATION: 269.7 m = 884.89
a plugging permit or assigned API number on the swill not accept GPS coordinates that do not meet 17 North, Coordinate Units: meters, Altitude:
el (MSL) – meters. meters
el (MSL) – meters. meters cessed Differential
el (MSL) – meters. meters cessed Differential
el (MSL) – meters. meters cessed Differential
el (MSL) – meters. meters cessed Differential ne Differential Processed Differential