State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API <u>47</u> - 039 - 01058	County Kanawha	District Union				
Quad Pocatalico, WV	Pad Name Lanham	Field/Pool Name Lanham				
Farm name Gladys Harbert		Well Number 7130				
Operator (as registered with the OOG)	Columbia Gas Transmission LI	_C				
Address 1700 MacCorkle Ave SE	City Charleston	State WV	_{Zip}			
Landing Point of Curve	Attach an as-drilled plat, profile Northing Northing Not applicable Northing	view, and deviation survey Easting Easting Easting				
Elevation (ft) 631.6 GL	Type of Well □New ■ Exis	sting Type of Report	Interim #Final			
Permit Type Deviated He	orizontal 🗆 Horizontal 6A 🐞 V	ertical Depth Type	■ Deep □ Shallow			
Type of Operation □ Convert □ D	eepen □ Drill □ Plug Back	□ Redrilling ■ Rework	□ Stimulate			
Well Type □ Brine Disposal □ CBM	☐ Gas ☐ Oil ☐ Secondary Recove	ery Solution Mining Store	age □ Other			
Type of Completion ■ Single □ Mul Drilled with □ Cable □ Rotary Drilling Media Surface hole □ Air	•		Other			
		nediate hole	□ Fresh Water □ Brine			
Mud Type(s) and Additive(s) N/A. SOW rework existing well - pulle	Fresh Water Brine d tubing, performed 5-1/2" casing scr	aper cleanout, ran HRVRT cas	ed hole log, re-run tubing,			
injected 1000 gal 15% HCl acid	nto the Big Lime, flowed well to	recover completion fluids.				
Date permit issued 10/10/2023	Date drilling commenced	N/A Date drilling ce				
Date completion activities began	Date comple	tion activities ceased	N/A			
Verbal plugging (Y/N) N/A I	Date permission grantedN/A	Granted by	N/A			
Please note: Operator is required to su	bmit a plugging application within 5 o	lays of verbal permission to plu	g			
Freshwater depth(s) ft10	0', 1015' Open mine(s)	(Y/N) depths	N			
Salt water depth(s) ftnone	reported Void(s) encor	intered (Y/N) depths	N			
Coal depth(s) ft none re	eported Cavern(s) end	commentate (Y/N) depths	N			
Is coal being mined in area (Y/N)	N Offic	e of Oil and Gas				
Am	hh	UL 1 6 2024	Reviewed by:			

WV Department of Environmental Protection

Some in the state of West charge the self of the self cast case. Sequences of the self cast case. Sequences of West West Sequences of West West Sequences of the West Sequences

nghili _{limber} ;	er.e.	County Page	23010.	250 JA 9
विश्वविषयोः सुरुष्य स्थापनसम्ब	distr	All make best	¥.	V Colsision but
(Velt value)	The second secon	والمعارض والموارد والمراود وال	lw.isp	nu sam, Oletyr H
	i dindedimensili	Columbia Gas	(1990) şaralınır	rendere (de trajlacer
CREAS AND VVV shale	กฉละคลหั		JE 64A Sixto	Joseph Deliph
รุษาทุก ณที่ไม่รักการแบบ 		deka ar delinek errian		pairwal hillis
gode 1 Gates I	ાં વ	destruction and states	. on#000	akoli girama i
West of		lonidag	s claffron	14.
ty its entern throughto the sign	e de l'Arrande - H	AV Transmit	11)	3.700 (fr) notest.
			*	
mollades a good to happy them took	TOV B ACTIONS	nem a marker	Mica bresty	SK! CO. GUY GUES
Sistemisky, Standard Controls	a Ding Mack	filhG to asmos	ClaimeyanD	je politerajúlik og.
<u> </u>	Recondenza Bacover	o hob asob	isposai a CHN	Contact of the
tofact - Novel	sairtí o healig	liok Ebaids Pr	tuMic stydes	ne ut Louperion. I
				elo.Orc dilu iglir
		#		
mainthigh sight. My dearth is thailed to state a death is to be				Fre Challenger
	urin	Also transial fixed to		if cool and militarity
and details and the second of the second TAGESTED to second to the second secon	e samé mentenda Palar (20	netermentació entidat de l		hida bule (2) pg / l - bul saar de carelo um 122 - An
cover companier filtered assertials ing. granduping cover companier fluids.				
Sparter (1990) 1996	in e indre eg garare e sampre propieta g Lagranda de la compania de la compa	maka kajiya di sigit make aye kati hasini Maka maka maka maka maka kati maka maka maka maka maka maka maka mak	or actinging the second of the	
ANT access mailing early (A)	d Locationer	og gellede appl	ESDSVETOF	ากอุลค่าสามารถเก
AVA businos constitues de				ic coapeleion schvi
Cresically AVA			AM	(K·K) gaiggiệt liết.
gang <mark>ag delekhanng lud</mark> en diser	a Esidin ngasil	ing paligrady s nak i	ies or Liciu par el	raging General
		•		
V NAMES OF THE PARTY OF THE PAR) tojonih maji i	2,1016		ម (ស្រាមប្រសិស្សាមមន្ត្រ
4 - 44n, 15 (7 1) por a	a. osno GhiloV	petroda		_Hisphyshians.
Mechanic view of the second of	(AND HERO)	ported	91 9.7011	is deplayed on
	Committee of the Commit	<u> </u>		ar paragraphic (200
L 1 6 2024	ر. رياني			

WR-35 Rev. 8/23/13								Page of
API 47- 039	_ 01058	Farm nan	ne_Gladys H	arbert		Well m	umber_7130	
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft			d cement circulate (Y/N) Provide details below*
Conductor		existing well			T		7(0)	1001de dedais below
Surface								
Coal								
Intermediate 1								
Intermediate 2								
Intermediate 3							***	
Production								4-1-1-1
Tubing								
Packer type and de	epth set				•		· · · · · · · · · · · · · · · · · · ·	
Comment Details	Comment Details							
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg	y g) (f	/ield : ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor		existing we						
Surface								
Coal								
Intermediate 1							<u> </u>	
Intermediate 2								
Intermediate 3								

Production							
Tubing	· ·						
Drillers TD (ft)) 1487		L	oggers TD (ft)			
Deepest format	tion penetrated B	ig Lime	P1	lug back to (ft)			
Plug back prod	cedure						
			······································				
Kick off depth	(ft) N/A						
Check all wire	line logs run	•		□ deviated/directi □ gamma ray			nic
Well cored	Yes □ No	Conventional	Sidewall	w	ere cuttings co	llected Yes	п No
DESCRIBE TI	HE CENTRALIZ	ER PLACEMENT	USED FOR E	EACH CASING S	TRING NA		
WAS WELL C	COMPLETED AS	S SHOT HOLE	□ Yes □ No	DETAILS	N/A		
WAS WELL C	COMPLETED OF	PEN HOLE?	Yes □ No	DETAILS N	A	RI Office o	ECEIVED f Oil and Gas
WERE TRACE	ERS USED 🗆 Y	es □ No T	YPE OF TRAC	CER(S) USED _N/	A	JUL	1 6 2024
						WV De Environme	rital Protection

WR-	35
Rev.	8/23/13

Page	of

API	47- 039 - 01058	Farm name Gladys Harbert	Well number 7130
-----	-----------------	--------------------------	------------------

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	N/A	existing well			

	·····				
			4		
		<u> </u>		<u> </u>	

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
			existing well					
								
							*	* * * * * * * * * * * * * * * * * * * *
					-			
				1				
							Office of Oil	And Gos
								WW Vas

Please insert additional pages as applicable.

JUL 1 6 2024

WR-35 Rev. 8/23/13											Page of
API 47- 039	_ 01058		Farm	name_Gladys	Harbert			Well 1	number.	7130	
PRODUCING I			-	<u>DEPTHS</u>	TVD			MD			
Please insert add	ditional pag	es as app	olicable.			-					
GAS TEST	□ Build up	□ Dra	wdown	□ Open Flow	T	OII	L TEST 🗆	Flow =	Pump		
SHUT-IN PRES	SSURE	Surface _		_psi Bot	tom Hole_		psi	DURAT	TION O	F TEST _	hrs
OPEN FLOW		mcfpd	Oil	NGL bpd						RED BY	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN NAME TV	FT DEI	OTTOM PTH IN FT TVD	TOP DEPTH IN FT MD	BOTTO DEPTH IN						ANTITYAND DL, GAS, H₂S, ETC)
existing well	0			0					J11W7111	or, britis, c	nii, 010, 1120, 1110)
	Attorney de la companya de la compan										
	***************************************		Name of the last o								
											
										- R	ECEIVED
											of Oil and Gas
										JUL	1 6 2024
	***************************************									WV D Environm	epartment of ental Protection
Diago incom od	ditional mag		ali a alal a								
Please insert add											
Drilling Contract Address 474 Ind		vveii Seiv	71005	Cit	y Wooster			State	ОН	Zip 446	91
Logging Compa Address PO Box		Atlas		Cit	y Dallas			State	TX	Zip_753	03-1057
Cementing Com Address 736 W I	npany and ngomar Rd, U	Pumping Inits 268	Next L	VL City	y Ingomar	_		State	PA	Zip _151:	27-6613
Stimulating Cor				City	V			State		Zip	
Please insert ad		ges as app	olicable.	- A							
Completed by Signature	Maria Med	// /		Title	Senior Wells	 Engir	Telephone		-4313 Date	0710	7/2024



July 15th, 2024

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

Enclosed are the post well work permit applications for the following Columbia Gas Transmission existing storage wells:

Lanham 7130 (API 47-039-01058) Lanham 7129 (API 47-039-01075)

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

Office of Oil and Gas

JUL 1.6 2024

WV Department of Environmental Protection



Mry 1 45, 2024

WY IVIP - Orlichar Oil & Gor 601 (V^{h.} Stoek, Sto Chadeston, WV 15304-2315

Distinction for post year work permit applications for the following columbia ties Transmission exists are two wells.

(32010-900-V#19A) (2017 modes)

Hoper continues, isolatec or eat.

Regunis

Meria Medicodeva Schlot Welle Engineer Well Enginezaioa & Trobhalags Columbia Gas Transmission, LLC Mobil Roselly (21) maria medicodeva@tecorryy.com

SHOW OF ON ANY CASE

JUL 18 2024

nombered vw