



west virginia department of environmental protection

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

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

Monday, March 29, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

Re: Permit approval for 7228
47-039-01623-00-00

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

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

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

James A. Martin
Chief

Operator's Well Number: 7228
Farm Name: LILLY, LARRY & STEPHAN 
U.S. WELL NUMBER: 47-039-01623-00-00
Vertical Plugging
Date Issued: 3/29/2021

Promoting a healthy environment.

04/02/2021

I

4703901623P

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. 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.

04/02/2021

1) Date 12/24, 2020
2) Operator's
Well No. Coco B 7228
3) API Well No. 47-039 - 01623

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 ___/ Liquid injection ___/ Waste disposal ___/
(If "Gas, Production ___ or Underground storage) Deep / Shallow ___

5) Location: Elevation 800 feet Watershed Flatwood Run of Indian Creek
District Elk County Kanawha Quadrangle Blue Creek

6) Well Operator Columbia Gas Transmission LLC 7) Designated Agent James Amos
Address 1700 MacCorkle SE Address 48 Columbia Gas Road
Charleston, WV 25325 Sandyville, WV 25275

8) Oil and Gas Inspector to be notified Name Terry Urban
Address PO Box 1207
Clendenin, WV 25045
9) Plugging Contractor Name Contractor Services Inc.
Address 929 Charleston Road
Spencer, WV 25276

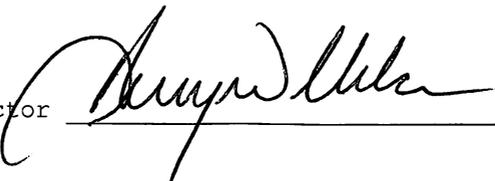
10) Work Order: The work order for the manner of plugging this well is as follows:

Refer to enclosed:

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

RECEIVED
Office of Oil and Gas
JAN 13 2021
WV Department of
Environmental Protection

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

Work order approved by inspector  Date 12-29-20

WELL JOB PLAN		Well Engineering & Technology		PAGE 3	DATE JOB PREPARED: 12/21/2020
Objective: Plug and Abandon				LAST PROFILE UPDATE:	
TITLE: Plug and Abandon		WELL: 7228		WORK TYPE: WR	
FIELD: Coco B	SHL (Lat/Long): 0 0	API: 0			
STAT: WV	BHL (Lat/Long): 0 0	CNTY: 0			
TWP: 0					

PROCEDURE

****Note All cement used will be Class A, slurry weight 15.6ppg, slurry yield 1.18 cuft/sk. All spacers will be 5% Bentonite gel****

- 1 Obtain State plugging permit, FERC authorization, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- 2 Notify landowner.
- 3 Obtain General Work Permit and Wellsite Review & Turnover Form from Operations.
- 4 Notify environmental inspector prior to beginning work.
- 5 Notify State O&G inspector prior to beginning work.
- 6 Disconnect well line.
- 7 Install ECD's per EM&CP.
- 8 Prepare access road and well site.
- 9 Document casing and annular pressures.
- 10 Blow down all annuli, replace fittings as needed, and leave annuli open to atmosphere for monitoring.
- 11 Kill well with viscosified fluid. Once well is dead spot 10 bbl LCM pill on bottom.
- 12 Fill 5x7 and 7x10 with kill fluid. Fill all remaining annuli with FW. Document volumes.
- 13 Dig around base of wellhead to uncover casing tops and remove cement if present.
- 14 MIRU service rig.
- 15 Remove wellhead equipment down to top of tubing spool.
- 16 Screw in 2-3/8" nipple with full port valve into top of hanger.
- 17 Strip over and NU 7-1/16" Cameron 5K BOPE (blind/shear + pipe + annular). Need kill and choke outlets below blind/shear.
- 18 Function and pressure test BOPE to low (250 psig) and high (2500 psig).
- 19 Unseat hanger, PU and remove hanger, wash to TD.
- 20A If able to wash to TD then install balanced cement plug from TD to 3500'.
- 20B If not able to wash to TD round trip to PU 2-3/8" DP with cut-lip shoe and install balanced cement plug from TD to 3500'
- 21 PU above cement top, reverse circulate to clean tubulars, pull 10 joints, close pipe rams, and WOC.
- 22 WOC minimum 8 hours. RIH and tag cement. If cement top is deeper than 4700' then spot a second balanced cement plug.
- 23 Install CIDBP above cement plug.
- 24 Top off 5-1/2" with kill fluid and perform 500 psig pressure test to verify integrity of BP.
- 25 Obtain CBL from CIBP to surface. Provide digital copy of log to WET engineer and consult to confirm next steps.
- 26 Release all annular pressure.
- 27 ND BOPE. Weld pulling nipple on 5-1/2" casing stub.
- 28 Pull seals and slips.
- 29 Strip BOPE (blind/shears, 5-1/2" pipe rams, and annular) over stub and NU on top of A-section.
- 30 Function test and attempt to pressure test pipe rams low (250 psig) and high (2000 psig). Report results to WET engineer.
- 31 Wireline freepoint and cut/pull all free 5-1/2" casing.
- 32 Top off 7" csg with kill fluid and obtain CBL to surface. Consult with WET engineer on next step.
- 33 Change pipe rams to 2-3/8" and function test.
- 34 TIH with work string and install balanced cement plugs from CIBP to TOC behind 7" csg.
- 35 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, close pipe rams, and WOC.
- 36 WOC minimum 6 hours. RIH and tag cement. Report to WET engineer.
- 37 ND BOPE and remove A-section.
- 38 If there is free 7" casing, weld pulling nipple on 7" casing and dress top of 10-3/4" csg to accommodate BOPE.
- 39 Strip 11" spool with kill/choke outlets and NU 11" annular BOP.
- 40 Function test and attempt to pressure test low (250 psig) and high (1000 psig).
- 41 Wireline freepoint and cut/pull all 7" casing that is free.
- 42 TIH with work string and install balanced cement plug from top of last cement plug to 300' above top of 7" csg stub.
- 43 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, close pipe rams, and WOC.
- 44 WOC minimum 6 hours. RIH and tag cement. If cement top is less than 100' from top of 7" csg stub then install second cement plug.
- 45 ND BOPE. Weld pulling nipple on 10-3/4" casing.
- 46 Wireline freepoint and cut/pull all 10-3/4" casing that is free.
- 47 TIH with work string and install balanced cement plug from top of last cement plug to 200' above top of 10-3/4" csg stub.
- 48 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, and WOC.
- 49 WOC minimum 6 hours. RIH and tag cement. If cement top is less than 100' from top of 10-3/4" csg stub then install second cement plug.
- 50 Drive 10 to 20 feet of 16" casing.

RECEIVED
Office of Oil and Gas

JAN 13 2021

WV Department of
Environmental Protection

Amos
12-29-20

PREPARED BY: Jim Amos	REVIEWED BY:	APPROVED:
PREP DATE: 12/21/2020		

WELL JOB PLAN		Well Engineering & Technology		PAGE 4	DATE JOB PREPARED: 12/21/2020
Objective: Plug and Abandon				LAST PROFILE UPDATE:	
TITLE: Plug and Abandon		WELL: 7228		WORK TYPE: WR	
FIELD: Coco B					
STAT: WV	SHL (Lat/Long):	0	0	API:	0
TWP: 0	BHL (Lat/Long):	0	0	CNTY:	0

PROCEDURE CONTINUED

- 51 Wireline freepoint and cut/pull all 13-3/8" casing that is free.
- 52 TIH with work string and install balanced cement plug from top of last cement plug to surface.
- 53 Grout all annuli as deep as possible.
- 54 RDMO service rig.
- 55 Erect monument per state regulations. Reclaim location and lease road.
- 56 P&A complete.

Amos
12.28.20

RECEIVED
Office of Oil and Gas
JAN 13 2021
WV Department of
Environmental Protection

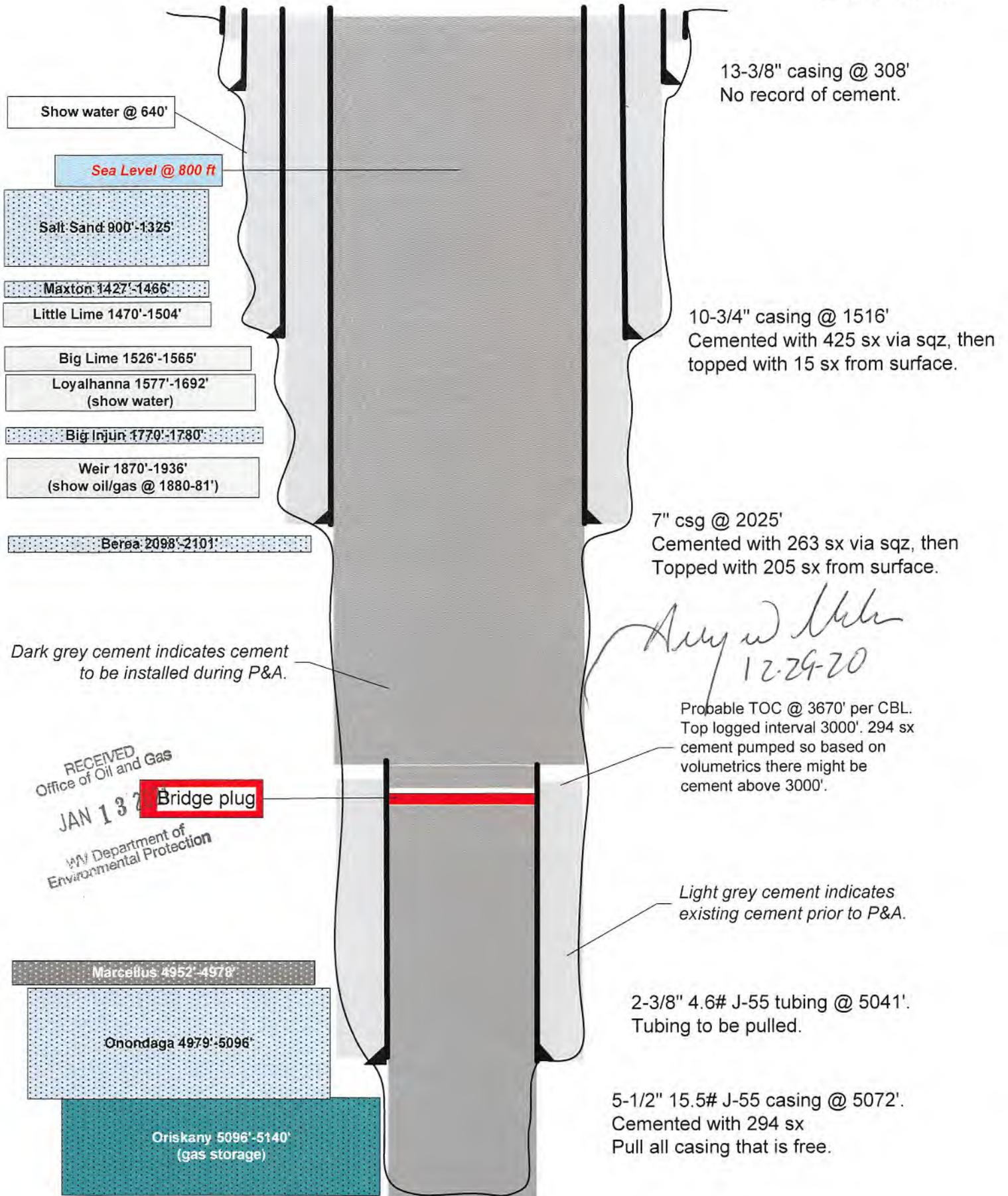
PREPARED BY:	Jim Amos	REVIEWED BY:	APPROVED:
PREP DATE:	12/21/2020		

~ not to scale ~

4703901023P
COCO B 7228

Proposed P&A

(as of 12/9/2020)



13-3/8" casing @ 308'
No record of cement.

10-3/4" casing @ 1516'
Cemented with 425 sx via sqz, then topped with 15 sx from surface.

7" csg @ 2025'
Cemented with 263 sx via sqz, then Topped with 205 sx from surface.

Andy W. Miller
12-29-20

Probable TOC @ 3670' per CBL. Top logged interval 3000'. 294 sx cement pumped so based on volumetrics there might be cement above 3000'.

Light grey cement indicates existing cement prior to P&A.

2-3/8" 4.6# J-55 tubing @ 5041'.
Tubing to be pulled.

5-1/2" 15.5# J-55 casing @ 5072'.
Cemented with 294 sx
Pull all casing that is free.

TD 5140'

04/02/2021

RECEIVED
Office of Oil and Gas
JAN 13 2021
NY Department of
Environmental Protection

Bridge plug

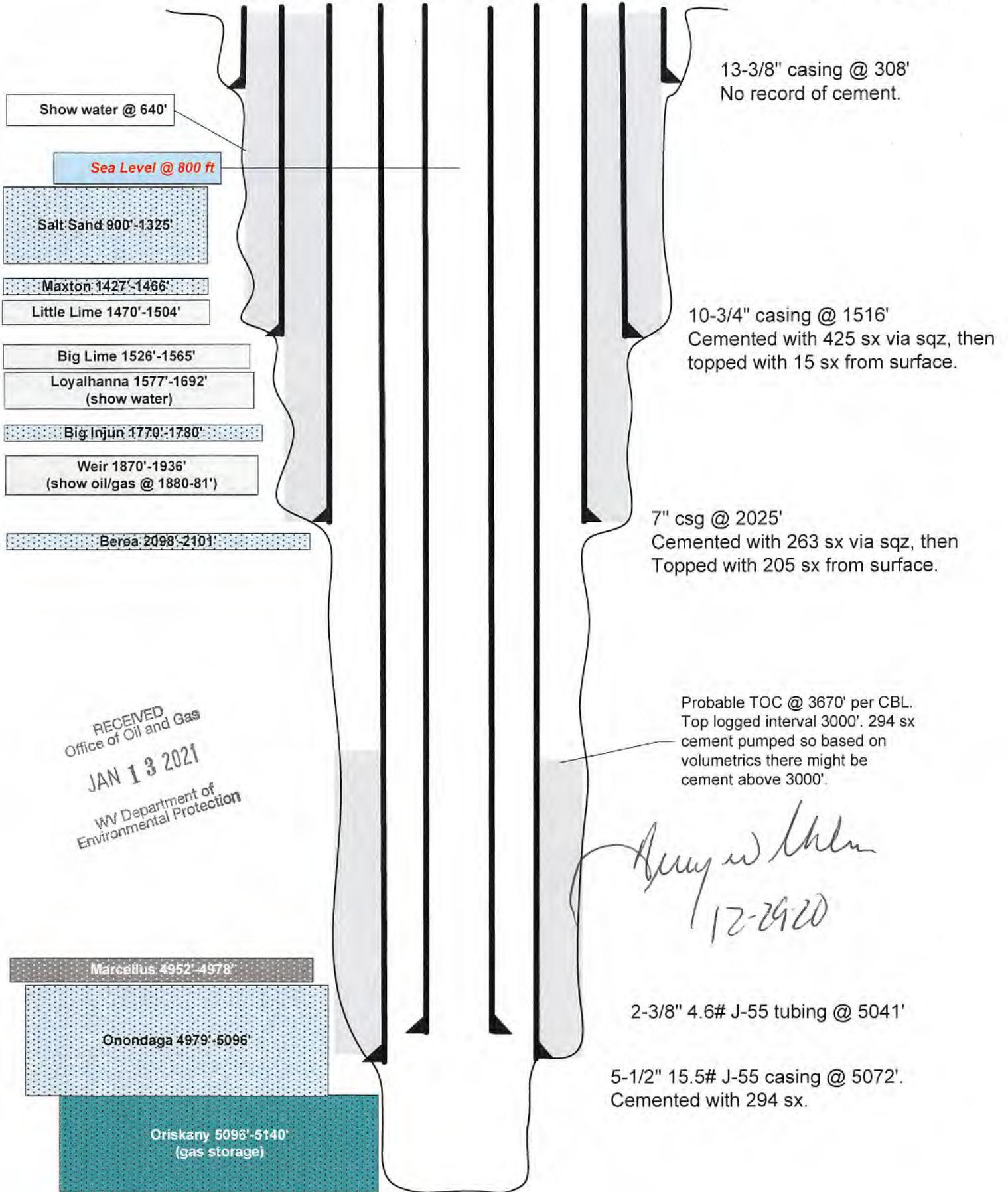
Dark grey cement indicates cement to be installed during P&A.

~ not to scale ~

COCO B 7228

Prior to P&A

(as of 10/16/2020)



WR-35

DATE: API #: 47-039-01623-F

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Reviewed APF

Well Operator's Report of Well Work

Farm name: Lilly Operator Well No.: 7228

LOCATION: Elevation: 797.65' Quadrangle: Blue Creek, WV

District: ELK County: Kanawha

Latitude: Feet South of 38 Deg. 24 Min. 15.1 Sec.

Longitude Feet West of 81 Deg. 28 Min. 29.2 Sec.

Company: Columbia Gas Transmission

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>RR 2 Box 138</u>				
<u>Sandyville, WV 25275</u>				
Agent: <u>Paul Amick</u>				
Inspector: <u>Carlos Hively</u>				
Date Permit Issued: <u>8-2-01</u>				
Date Well Work Commenced: <u>8-23-01</u>				
Date Well Work Completed: <u>9-5-01</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet):				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):				

RECEIVED
Office of Oil & Gas
Permitting
DEC 14 2001
WV Department of
Environmental Protection

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 5110' to 5140'

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

* - Not Applicable - STORAGE RESERVOIR

Second producing formation: Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: John V. McCallister

By: JOHN V. MCCALLISTER

Date: 12-12-01

4703901623P

39-01623F

Form: WW - 2B

**STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION**

4 258

1) Well Operator Columbia Gas Transmission 10450 Kanawha Elk Blue Creek
Operator ID County District Quadrangle

2) Operator's Well Number: Coco B #7228 3) Elevation: 797.65'

4) Well Type: (a) Oil _____ or Gas X
(b) If Gas: Production _____ / Underground Storage X
Deep _____ / Shallow _____

5) Proposed Target Formation(s): Oriskany Sandstone

6) Proposed Total Depth: 5140 Feet

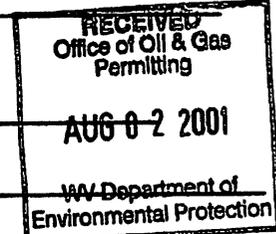
7) Approximate fresh water strata depths: 640'

8) Approximate salt water depths: 1676'

9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work Stimulate Oriskany Sandstone by hydraulically fracturing



12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight	Drilling	Left in well	Fill up
<u>Conductor</u>	<u>13-3/8"</u>		<u>48#/ft</u>	<u>355'</u>	<u>355'</u>	
<u>Surface</u>	<u>10-3/4"</u>		<u>40#/ft</u>	<u>1539'</u>	<u>1539'</u>	
<u>Intermed.</u>	<u>7"</u>		<u>23#/ft</u>	<u>2042'</u>	<u>2042'</u>	
<u>Production</u>	<u>5-1/2"</u>		<u>15.5#/ft</u>	<u>5072'</u>	<u>5072'</u>	<u>TOC 4110'</u>
<u>Tubing</u>	<u>2-3/8"</u>		<u>4.6#/ft</u>	<u>5140'</u>	<u>5140'</u>	

Packers: Kind _____
Sizes _____
Depths Set C.H. 7-36-01

1250.00

8-23-01

Stimulated Oriskany sandstone w/

1000 gals 28% HCl

477 bbls Water

25,600# 20/40 sand

132,500 scf N₂

Avg treating pressure - 3600 psig

All fluids hauled to L.A.O. - Wheeling, WV

4703901623P



Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Phone: (304) 558-6076
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

Michael O. Callaghan
Secretary

August 02, 2001

WELL WORK PERMIT

Fracture

This permit, API Well Number: 47-3901623, issued to COLUMBIA GAS TRANSMISSION CORP., 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 all 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 1-800-654-3312 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 drilling, 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.

This permit will expire in two (2) years from the issue date.

If there are any questions, please feel free to contact me or Mr. Al Blankenship at 304-558-6342.

JOHN JOHNSTON
Chief,
Office of Oil and Gas

Operator's Well No: 7228

Farm Name: LILLY, LARRY & STEPHANIE

API Well Number: 47-3901623

Permit Type: Fracture

Date Issued: 08/02/2001

"To use all available resources to protect and restore West Virginia's
environment in concert with the needs of present and future generations"



West Virginia
Department of
Environmental Protection

04/02/2021



4703901623A

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Clendenin

WELL RECORD

Permit No. KAN-1623

Oil or Gas Well Gas
(KIND)

Company UNITED FUEL GAS CO.
Address P.O. Box 1273, Charleston 25, W. Va.
Farm Jarrett Reservation Acres 81.51
Location (waters) Flatwood Run
Well No. X-52B-7228 Elev. 787.94'
District Elk County Kanawha
The surface of tract is owned in fee by Geo. Acree
Address _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W. Va.
Drilling commenced 9-17-53
Drilling completed -2-16-54
Date Shot 2-23-54 From 5113 To 5123
With 23 qts.
Open Flow 22/10ths Water in 7 Inch
/10ths Merc. in _____ Inch
Volume 2,002,000 Cu. Ft.
Rock Pressure 850 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 640 feet 1676 feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18 - 3/8"		305'	
10 - 3/4"		1500'	Size of
10 7"		2007'	
10 5 1/2"		5022'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Linera Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 111 FEET 48 INCHES
640 FEET 24 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	18			
Slate & Shells			18	42			
Sand			42	80			
Slate & Shells			80	111			
Coal			111	115			
Slate			115	190			
Sand			190	230			
Slate & Shells			230	314			
Sand			314	329			
Slate & Shells			329	354			Hole full water 640'
Sand			354	388			
Slate & Shells			388	430			Water 1676' 1/2 bailer per hr.
Sand			430	470			
Slate & Shells			470	508			Show oil & Gas 1880'
Sand			508	547			
Slate & Shells			547	591			Gas 5116-5121' 8/10 W 7" 23# 1,207 M
Sand			591	640			
Coal			640	642			
Sand			642	678			Test before shot 8/10 W 7" 23# 1,207 M
Slate			678	690			Shot 2-23-54 with 23 qts. from 5113-5123'
Lime			690	725			Test 1 hr. after shot 22/10 W 7" 23#
Sand			725	771			2,002 M
Lime			771	818			
Salt Sand			818	848			
Slate			848	857			
Sand			857	1060			FINAL OPEN FLOW - 2,002 M - Oriskany
Slate & Shells			1060	1083			24 Hr. R.P. 850#
Salt Sand			1083	1340			
Slate			1340	1349			
Red Rock			1349	1353			
Lime			1353	1427			
Maxon Sand			1427	1466			
Slate			1466	1470			
Lime			1470	1500			
Slate			1500	1510			
Lime			1510	1522			
Slate			1522	1525			
Big Lime			1525	1698			
Slate			1698	1714			



(Over)

4703901623P

United Fuel Company

SERIAL WELL NO. X-52-57228

LEASE NO. L9098

MAP SQUARE 70-63

RECORD OF WELL NO. <u>X-52-57228</u> on the		CASING AND TUBING				TEST BEFORE SHOT
Acres in	farm of	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	
21 1/2		13	12#	141'	355'	10' /10 of Water in... 7" inch
	District					/10 of Merc. in... inch
	County	10	10#	1625'	1539'	Volume... 1,364,000 Cu. ft.
	State of: <u>West Virginia</u>	8	32#	2215'	-0-	TEST AFTER SHOT
	Field: <u>Cleardalen</u>	7	23#	2170'	2042'	22' /10 of Water in... 7 inch
Rig Commenced	9/10	5	15.5#	5221'	5072'	/10 of Merc. in... inch
Rig Completed	9/17	2-3/8	4.6#	5304'	5174'	Volume... 2,023,000 Cu. ft.
Drilling Commenced	9/17					1-hr. Hours After Shot
Drilling Completed	2/16					Rock Pressure... 850#
Drilling to cost	per foot					Date Shot... 2/23/54
Contractor is:	<u>Bower and Bower</u>					Size of Torpedo... 23-Sta.
Address:	<u>Sissonville, W. Va.</u>					Oil Flowed... bbls. 1st 24 hrs.
Driller's Name	<u>Marple Curry</u>					Oil Pumped... bbls. 1st 24 hrs.
						Well abandoned and
						Plugged... 19
						1st. Perf. Set... from
						2nd Perf. Set... from
Elevation:	<u>787.84</u>					

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	18		<p>RECEIVED Office of Oil and Gas JAN 13 2021 WV Department of Environmental Protection</p>
Slate and Shell	18	42		
Sand	42	80		
Slate and Shell	80	111		
Coal	111	115		
Slate	115	190		
Sand	190	230		
Slate and Shell	230	314		
Sand	314	329		
Slate and Shell	329	354		
Sand	354	388		
Slate and Shell	388	430		
Sand	430	470		
Slate and Shell	470	508		
Sand	508	547		
Slate and Shell	547	591		
Sand	591	640		

04/02/2021

United Fuel Gas Company
COMPANY

4703901623P

SERIAL WELL NO. X-52-7228

LEASE NO. _____

MAP SQUARE _____

RECORD OF WELL NO. <u>X-52-7228</u> on the			CASING AND TUBING				TEST BEFORE SHOT
Acres	farm of	Acres	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	/10 of Water in _____ inch
in <u>Elk</u>		District					/10 of Merc. in _____ inch
<u>Kanawha</u>		County					Volume _____ Cu. ft.
State of: <u>West Virginia</u>							TEST AFTER SHOT
Field: <u>Glendon</u>							/10 of Water in _____ inch
Rig Commenced		19					/10 of Merc. in _____ inch
Rig Completed		19					Volume _____ Cu. ft.
Drilling Commenced	<u>9/27/53</u>	19					Hours After Shot
Drilling Completed	<u>2/16/54</u>	19					Rock Pressure _____
Drilling to cost		per foot					Date Shot _____
Contractor is: <u>Bower Dr. & Ser. Co.</u>							Size of Torpedo _____
Address: <u>Charlottesville, W. Va.</u>							Oil Flowed _____ bbls. 1st 24 hrs.
							Oil Pumped _____ bbls. 1st 24 hrs.
Driller's Name <u>French Craig</u>							Tubing or Casing _____ in.
<u>Marlo Curvey</u>							Size of Packer _____
							Kind of Packer _____
							Plugged _____ 19 _____
							1st. Perf. Set _____ from _____
Elevation:							2nd Perf. Set _____ from _____

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	18		Hole full water @ 0'
Slate & Shells	18	42		Top crusty 5096' gas 5116 6/10-3-3"
Sand	42	80		Water 1676' 1/2 Bailor per hr.
Slate & Shells	80	111		Show oil and gas at 1880'.
Coal	111	115		DLN 5015 SLN 5022
Slate	115	190		Gas at 5116' DLN
Sand	190	230		Gas at 5121' 8/10-3-7"
Slate & Shells	230	314		2-16-54- Final open flow 8/10-187"
Sand	314	329		Hall open 9:15 AM
Slate & Shells	329	354		850' Rock open flow 8/10-72 23/ Feb. 23 1954
Sand	354	388		open for shot
Slate & Shells	388	430		Show of gas at 42'
Sand	430	470		10-3/4" Pipe collapsed at top 1350'7"
Slate & Shells	470	508		2" tubing cut off at 1353'. started 8"
Sand	508	517		mandrell at 1350'. Note: Friday 13-53-
Slate & Shells	517	521		pipe collapsed .
Sand	521	640		

04/02/2021

SERIAL WELL NO. 1-52-57228

LEASE NO. _____

MAP SQUARE _____

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Coal	640	642		Hole full of water 640
Sand	642	678		Show of gas at 642
Slate	678	690		
Lime	690	725		
Sand	725	771		
Lime	771	818		
Salt Sand	818	848		
Slate	848	857		
Sand	857	1060		
Slate and shell	1060	1083		
Sand Salt	1083	1340		
Slate	1340	1349		
Red Rock	1349	1353		10 3/4 in. pipe collapsed at top 1350ft.7
Lime	1353	1427		Top oriskany, 2in. tubing cut off 1353
Maxon sand	1427	1466		6/10 water 5 in.
Slate	1466	1470		
Lime	1470	1500		
Slate	1500	1510		
Lime	1510	1522		
Slate	1522	1525		
Lime Big	1525	1698		water 1676. 1/2 bailer per hour.
Slate	1698	1714		
Lime	1714	1770		
Sand Big injin	1770	1780		
Slate and Shell	1780	1870		Show Oil and Gas at 1880-1.
Sand wier	1870	1936		
Slate	1936	1994		
Lime	1994	2070		
Slate and Shell	2070	3712		
Brown Shell	3712	3730		
Slate and Shell	3730	3840		
Brown Shell	3840	3970		
Slate and Shell	3970	4535		DLM 5015
Brown Shell	4535	4861		SIM 5022
Slate	4861	4915		
rown Slate	4915	4987		
inf. Lime	4987	5096		Gas at 5116 DLM

RECEIVED
Office of Oil and Gas

JAN 13 2021

WV Department of
Environmental Protection

04/02/2021

WW-4A
Revised 6-07

RECEIVED
Office of Oil and Gas

JAN 13 2021

WV Department of
Environmental Protection

1) Date: 12/24/2020
2) Operator's Well Number
Coco B 7228
3) API Well No.: 47 - 039 - 01623

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Larry M. and Stephanie Lilly</u> ✓	Name <u>Not operated.</u>
Address <u>82 Valley Drive</u>	Address _____
<u>Elkview, WV 25071</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304.549.5915</u>	_____

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

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

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

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



Well Operator Columbia Gas Transmission
 By: James Amos 12/29/20
 Its: Team Leader - Well Engineering and Technology
 Address 48 Columbia Gas Road
Sandyville, WV 25275
 Telephone 304.373.2412

Subscribed and sworn before me this 29th day of December, 2020
Michael D McClung Notary Public
 My Commission Expires June 19, 2022

Oil and Gas Privacy Notice

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

4703901623

Columbia Gas Transmission, LLC

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



December 24, 2020

Larry and Stephanie Lilly
82 Valley Drive
Elkview, WV 25071

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Coco B 7228 (API 47-039-01623).

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,

A handwritten signature in black ink that reads 'Jim Amos'.

Jim Amos
Team Leader
Well Engineering & Technology
Columbia Gas Transmission, LLC

RECEIVED
Office of Oil and Gas

JAN 13 2021

WV Department of
Environmental Protection

4703901623



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	
1. Article Addressed to: LARRY & STEPHANIE LILLY 82 VALLEY DRIVE ELKVIEW, WV 25071	B. Received by (Printed Name) STEPHANIE LILLY	C. Date of Delivery
 9590 9402 3688 7335 3538 19	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label) 7017 0660 0001 0359 5620	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery	
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt

RECEIVED
 Office of Oil and Gas
 JAN 13 REC'D
 WV Department of
 Environmental Protection

04/02/2021

SURFACE OWNER WAIVER

Operator's Well
Number

Coco B 7228

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

RECEIVED
Office of Oil and Gas

JAN 13 2021

WV Department of
Environmental Protection

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date	_____	Name
Signature		By	_____
		Its	_____
			Date

Signature

Date
04/02/2021

WW-4B

API No. 47-039-01623 P
Farm Name _____
Well No. Coco B 7228

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

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

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

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

WAIVER

The undersigned coal operator _____/ owner _____/ lessee _____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

RECEIVED
Office of Oil and Gas
JAN 13 2021
WV Department of
Environmental Protection

04/02/2021

WW-9
(5/16)

API Number 47 - 039 _01623
Operator's Well No. _____

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

Operator Name Columbia Gas Transmission OP Code 307032

Watershed (HUC 10) Flatwood Run of Indian Creek Quadrangle Blue Creek

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No TU

If so, please describe anticipated pit waste: fresh water, brine, cement returns, bentonite gel

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Undergound Injection (UIC Permit Number 34-119-28776-, 34-167-23862)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Appalachian Water Services, Station W1 Ronco WTP, Masontown, PA - Permit 2608201)

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

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

-If oil based, what type? Synthetic, petroleum, etc. JAN 13 2021

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A WV Department of Environmental Protection

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

-Landfill or offsite name/permit number? _____

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature James E. Amos 12/29/20

Company Official (Typed Name) James E. Amos

Company Official Title Team Leader, Well Engineering & Technology

Subscribed and sworn before me this 29th day of December, 2020

Michael D. McClung Notary Public

My commission expires June 19, 2022



Proposed Revegetation Treatment: Acres Disturbed <1.0 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

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

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

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

RECEIVED
Office of Oil and Gas

JAN 13 2021

WV Department of
Environmental Protection

Title: Inspector OREGAS

Date: 12-29-20

Field Reviewed? Yes No

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

Operator Name: Columbia Gas Transmission LLC
Watershed (HUC 10): Flatwood Run of Indian Creek Quad: Blue Creek
Farm Name: _____

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

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubrications will be stored on site, but located within secondary containment.
Accidental release from well fluids and spills from construction equipment are the only sources of contaminate to groundwater.

All accumulated fluids to be hauled off site to UIC disposal facility.

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

All construction equipment will be inspected daily for leaks. Spill kits will be on site.

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

Flatwood Run - 0.02 miles. Rippling Waters Campground (WV9918017) - 13.4 miles.

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

N/A

RECEIVED
Office of Oil and Gas

JAN 13 2021

WV Department of
Environmental Protection

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

04/02/2021

N/A

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

No waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

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

RECEIVED
Office of Oil and Gas
JAN 13 2021
WV Department of
Environmental Protection

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

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubricants will be stored on site, but located within secondary containment. Construction equipment will be inspected daily for leaks or spills.

Signature: *John Elmer*
Date: 12/29/20

WV DEP Reclamation Plan - Site Detail

Coco B well 7228 (API 039-01623)

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



Limit of Proposed Disturbance on existing well site

PIT
50' x 10' x 4' deep

0.9 acres

Coco B - 07228

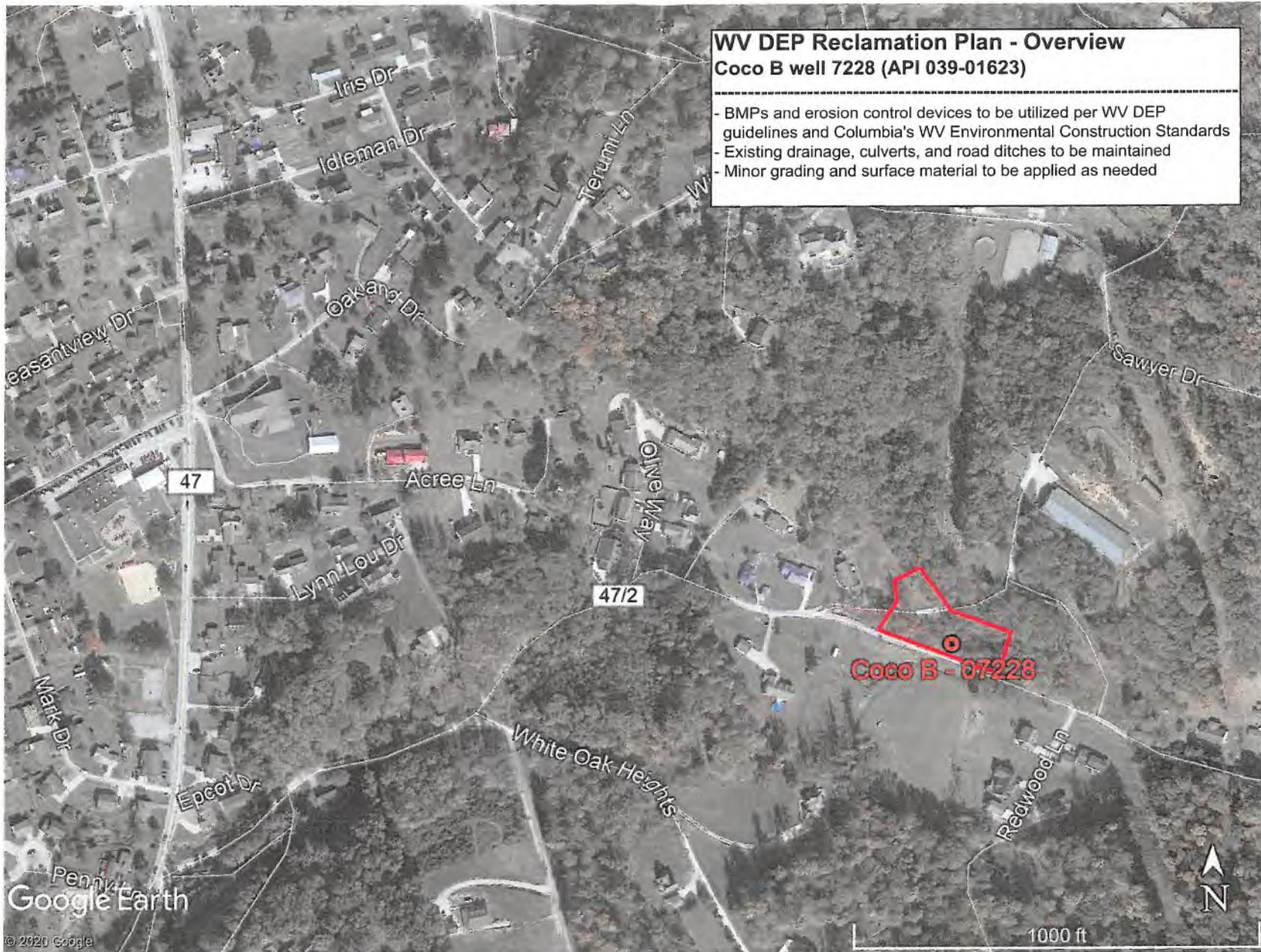
47/2

4703901623



200 ft

RECEIVED Gas
Office of Oil and
JAN 13 2021
WV Department of
Environmental Protection



WV DEP Reclamation Plan - Overview
Coco B well 7228 (API 039-01623)

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

4703901623P

WV DEP Reclamation Plan - Site Detail
Coco B well 7228 (API 039-01623)

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



RECEIVED
Office of Oil and Gas
JAN 13 2021
WV Department of
Environmental Protection

Google Earth

© 2020 Google

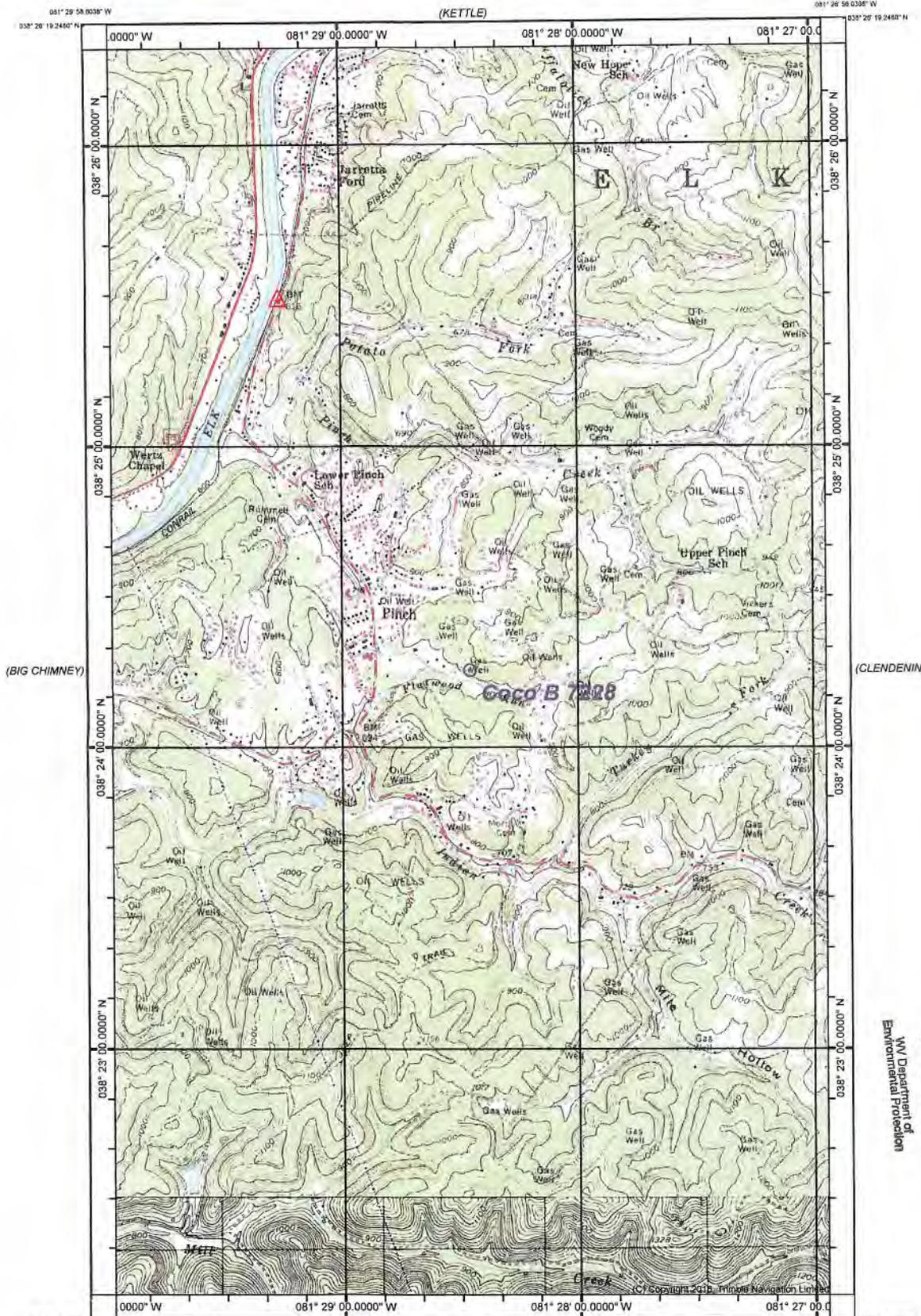
4703901623P

(ROMANCE)



4703901625 BLUE CREEK QUADRANGLE WEST VIRGINIA TOPOGRAPHIC SERIES

(CLIO)



(BIG CHIMNEY)

(CLENENIN)

Received
 Office of Oil and Gas
 JAN 13 2021
 WV Department of
 Environmental Protection

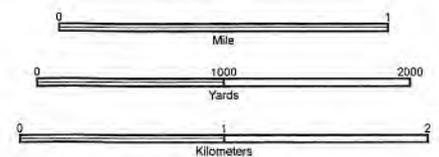
(CHARLESTON EAST)

(MAMMOTH)

Produced by Trimble Terrain Navigator Pro
 Topography based on USGS 1:24,000 Maps
 North American 1983 Datum (NAD83)
 To place on the predicted North American 1927 move the
 projection lines 11M N and 14M E

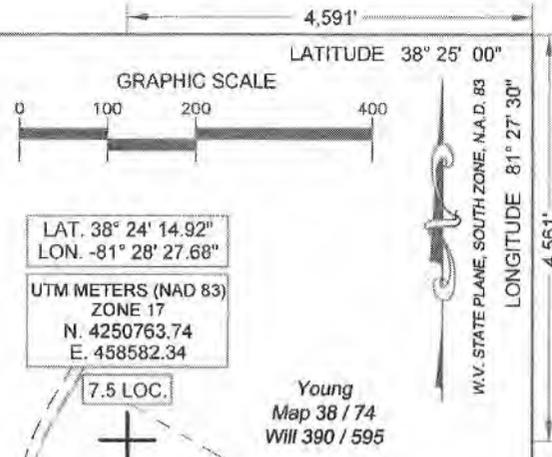
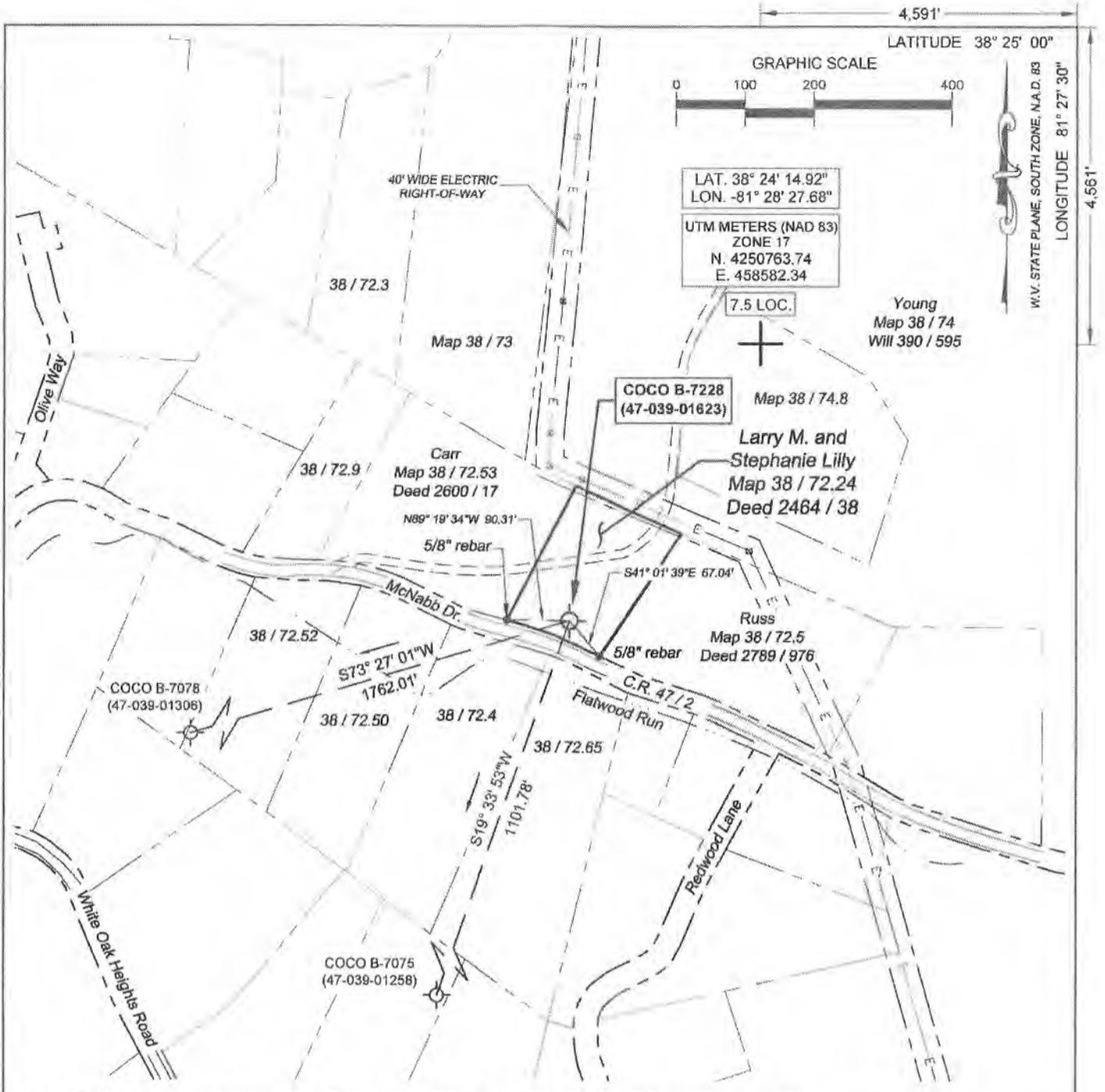


(QUICK)
 SCALE 1:24000



CONTOUR INTERVAL 20 FT

38081-D3-1M-024
 BLUE CREEK, WV
 JAN 1, 1977
 04/02/2021



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No. 2001-3079-001-010
 DRAWING No. 2001-3079-001-010
 SCALE 1"=200'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE R10
GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.
 (SIGNED) [Signature]
ROBERT F. THAW PS #965



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV

DATE OCTOBER 30 2020
 OPERATOR'S WELL No. 7228
 API WELL No. 47 039 - 01623P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 799.5' WATER SHED FLATWOOD RUN OF INDIAN CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK, WV

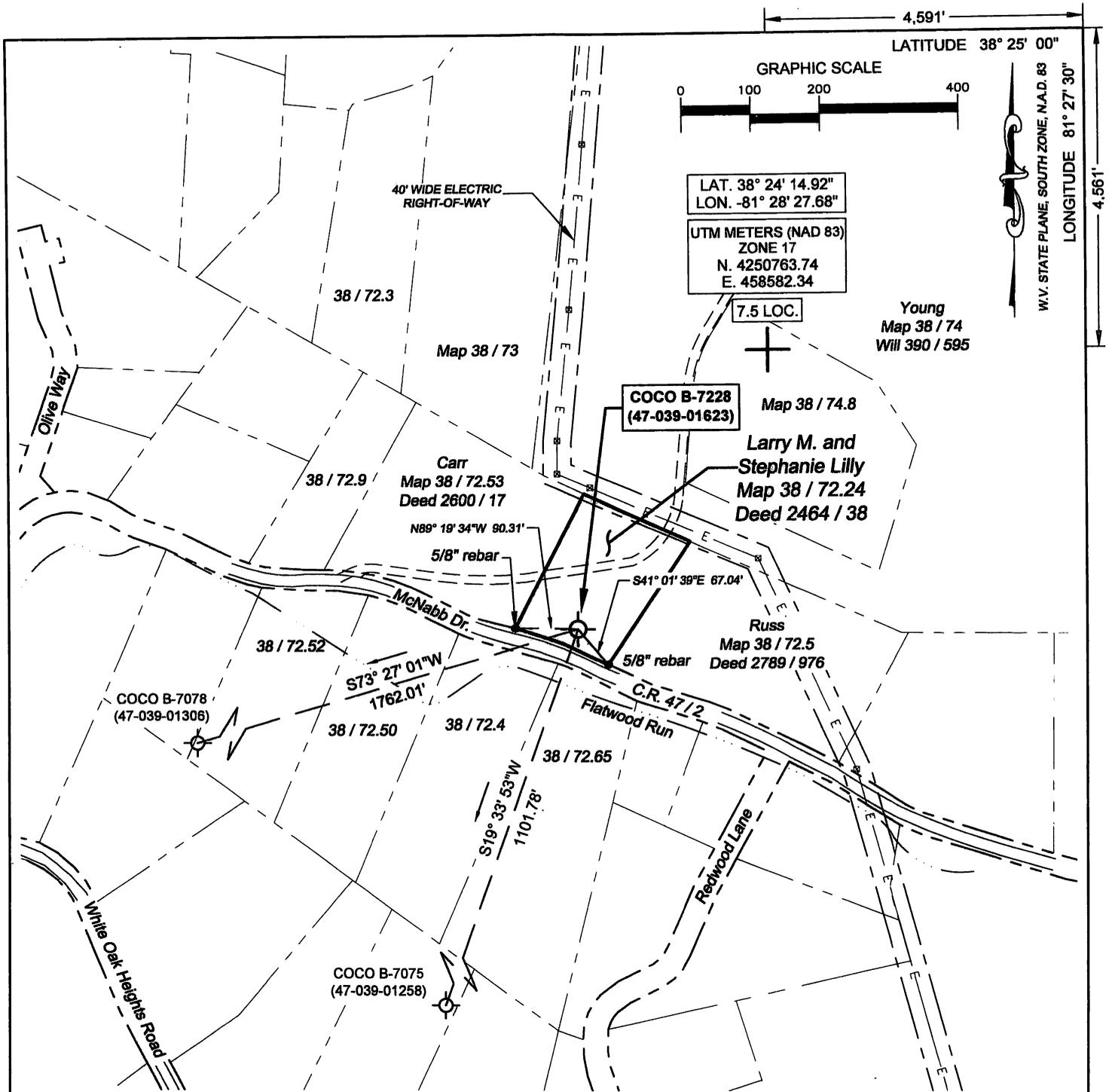
SURFACE OWNER LARRY M. AND STEPHANIE LILLY ACREAGE 2.00
 OIL & GAS ROYALTY OWNER MATT AMOS, ET AL
 LEASE ACREAGE 937 LEASE NO. 104098-000

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 04/02/2021
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5139
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT JAMES AMOS
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS 48 COLUMBIA GAS ROAD SANDYVILLE, WV 25275

FORM IV-6 (8-78)

RECEIVED
 Oil and Gas
 04/02/2021
 WV Department of Environmental Protection



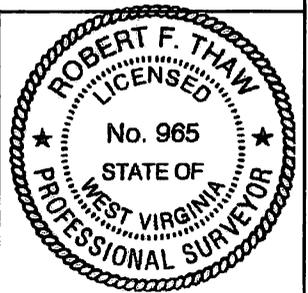
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No. 2001-3079-001-010
 DRAWING No. 2001-3079-001-010
 SCALE 1"=200'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE R10 GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED)

ROBERT F. THAW PS #965



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV



DATE OCTOBER 30 2020
 OPERATOR'S WELL No. 7228
 API WELL No.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE 47 COUNTY 039 PERMIT 016239

LOCATION: ELEVATION 799.5' WATER SHED FLATWOOD RUN OF INDIAN CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK, WV

SURFACE OWNER LARRY M. AND STEPHANIE LILLY ACREAGE 2.00
 OIL & GAS ROYALTY OWNER MATT AMOS, ET AL

LEASE ACREAGE 937 LEASE NO. 104098-000

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 04/02/2021
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5139

WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT JAMES AMOS
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS 48 COLUMBIA GAS ROAD SANDYVILLE, WV 25275

FORM IV-6 (8-78)

4703901623P

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



January 12, 2021

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

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

Coco B 7075 (039-01258)
Coco B 7078 (039-01306)
Coco B 7101 (039-01341)
Coco B 7228 (039-01623)
Coco B 7230 (039-01585)
Coco C 7326 (039-01603)

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

Columbia Gas Transmission
48 Columbia Gas Rd
Sandyville, WV 25275
Attn: Jim Amos

RECEIVED
Office of Oil and Gas
JAN 13 2021

If you have questions, feel free to call.

Department of
Environmental Protection

Regards,

Jim Amos
Team Leader
Well Engineering & Technology
Columbia Gas Transmission, LLC
Off: 304-373-2412
Mob: 304-483-0073
james_amos@tcenergy.com

RECEIVED
Office of Oil and Gas
JAN 13 2021
WV Department of
Environmental Protection

www.tcenergy.com

04/02/2021