



west virginia department of environmental protection

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

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

Tuesday, May 9, 2023

WELL WORK PLUGGING PERMIT
Vertical Plugging

COLUMBIA GAS TRANSMISSION, LLC
1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for 7060
47-039-01332-00-00

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: 7060
Farm Name: LIPSCOMB, RODNEY, ETAL
U.S. WELL NUMBER: 47-039-01332-00-00
Vertical Plugging
Date Issued: 5/9/2023

Promoting a healthy environment.

05/11/2023

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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.
4. 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.

05/11/2023

4703901332P

1) Date 04.03, 2023
2) Operator's
Well No. Coco B 7060
3) API Well No. 47-039 - 01332

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

5) Location: Elevation 839.4 Watershed Pinch Creek
District Elk County Kanawha Quadrangle Blue Creek, WV

6) Well Operator Columbia Gas Transmission LLC 7) Designated Agent Maria Medvedeva
Address 1700 MacCorkle SE Address 1700 MacCorkle SE
Charleston, WV 25314 Charleston, WV 25314

8) Oil and Gas Inspector to be notified Name Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
9) Plugging Contractor Name Next Lvl Energy, LLC
Address 736 W Ingomar Rd, Units 268
Ingomar, PA 15127-6613

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.

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

Work order approved by inspector  Date 4-5-23

05/11/2023

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WELL JOB PLAN		STS Well Engineering & Technology		PAGE 2	DATE JOB PREPARED: 6/3/2022
Objective: Plug and Abandon					
TITLE: Plug and Abandon			LAST PROFILE UPDATE:		
FIELD: Coco B	WELL: 7060		WORK TYPE: MOD		
STAT: WV	SHL (Lat/Long): 38.416897	-81.463132	API: 47-039-01332-0000		
TWP: Eik	BHL (Lat/Long): 38.416897	-81.463132	CNTY: Kanawha		

PROCEDURE

NOTE: Cement used will be Class A, slurry weight 15.6ppg, slurry yield 1.18 cuft/sk or Class L, slurry weight 15.6ppg, slurry yield 1.14 cuft/sk, as per the approved WVDEP Variance Order No.2022-13. All spacers will be 6% Bentonite gel.

- 1 Obtain State well work permit, 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 Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
- 5 Notify environmental inspector prior to beginning work. If required, notify State/Federal regulatory agencies prior to beginning work.
- 6 Disconnect well line.
- 7 Prepare access road and well site. Install ECD's per EM&CP.
- 8 Service all wellhead valves.
- 9 Document and report to WE&T the initial 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.
- 12 Load / top 4-1/2" x 7", 7" x 8-5/8", 8-5/8" x 10-3/4", and 10-3/4" x 13-3/8" annuli with kill fluid. Fill all remaining annuli with FW. Document volumes.
- 13 Obtain CBL from csg shoe to surface. Keep hole full. Provide digital copy to WET engineer.
- 14 Dig around base of wellhead to uncover casing tops and remove cement if present.
- 15 If 7" x 8-5/8" annulus cannot be controlled, fabricate annular barrier with access ports.
- 16 MIRU service rig.
- 17 NU 7-1/16" Cameron 5K BOPE (blind/shear + pipe + annular) on top of master valve. Need kill and choke outlets below blind/shear.
- 18 Function and pressure test BOPE to low (250 psig) and high (2500 psig).
- 19 TIH w/ 2-3/8" drill pipe workstring with cut-lip shoe and wash to TD.
- 20 Install balanced cement plug from TD to ~5,050'.
- 21 POOH to above cement, reverse circulate to clean tubulars, pull 10 joints, close pipe rams, and WOC minimum 8 hrs.
- 22 RIH and tag cement. If cement top has fallen, spot a second balanced cement plug
- 23 Install 4-1/2" CIDBP above cement plug.
- 24 Top off 4-1/2" with kill fluid and perform 500 psig pressure test to verify integrity of BP.
- 25 Release all annular pressure.
- 26 Top off all annuli again with fluid again.
- 27 Perforate through both the 4-1/2" and 7" casings as close to the CIBP as possible. Attempt to circulate to surface or establish injection.
NOTE: A gas show in the Brown Shale was reported by Driller as high as 3910'. Asuming MAOP pressure, minimum required kill fluid is 8.9 ppg.
- 28A If circulation to surface established, circulate kill weight fluid until good kill density fluid is returned. Consult with WE&T engineer to confirm procedure:
 - > RIH with sliding-sleeve style cement retainer on work string
 - > Set retainer above perfs
 - > Establish circulation
 - > Squeeze cement behind 7" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement at 3800'.
 - > Disengage from retainer, reverse circulate to clean tubulars, and TOH.
 - > WOC 24 hours.
 - > Obtain CBL
- 28B If no circulation to surface, but injection established, consult with WE&T engineer to confirm procedure:
 - > RIH with sliding-sleeve style cement retainer on work string
 - > Set retainer above perfs
 - > Establish injection
 - > Disengage from retainer and spot cement at bottom of work string
 - > Squeeze cement behind 7" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement at 3800'.
 - > Disengage from retainer, reverse circulate to clean tubulars, and TOH.
 - > WOC 24 hours.
 - > Obtain CBL
- 28C If circulation / injection not established, perforate (per WE&T engineer) and repeat process above.
 * Note that during steps above cement plugs must be installed across all perf zones, casing shoes, and O/G/W zones
The process above will require communication with WE&T engineer to determine a plan of action.
- 29 ND BOPE.
- 30 Release all annular pressure and top off.
- 31 Weld pulling nipple on the 4-1/2" csg and pull seals and slips.

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PREPARED BY: Maria Medvedeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 6/3/2022		

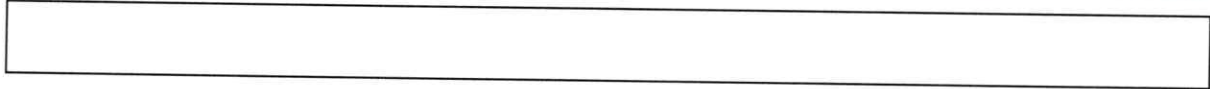
James Amos
4-5-23

05/11/2023

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WELL JOB PLAN		STS Well Engineering & Technology		PAGE 3	DATE JOB PREPARED: 6/3/2022
Objective: Plug and Abandon					
TITLE: Plug and Abandon			LAST PROFILE UPDATE:		
FIELD: Coco B	WELL: 7060		WORK TYPE: MOD		
STAT: WV	SHL (Lat/Long): 38.416897 -81.463132	API: 47-039-01332-0000			
DIST/TWP: Elk	BHL (Lat/Long): 38.416897 -81.463132	CNTY: Kanawha			

PROCEDURE (continued)



- 32 Strip BOPE (blind/shears, 4-1/2" pipe rams and annular) over stub and NU on top of the A-section.
- 33 Function test and attempt to pressure test pipe rams low (250 psig) and high (2000 psig). Report results to WET engineer.
- 34 Wireline freepoint and cut / pull all free 4-1/2" casing (historic BAL log shows TOC at 4800', highest logged interval).
- 35 TIH with work string and install balanced cement plug from CIBP to TOC behind the 7" casing.
- 36 ND BOPE and remove A-section.
- 37 Weld pulling nipple on 7" casing and dress top of 8-5/8" to accommodate BOPE.
- 38 Strip 11" 3M BOPE (blind + pipe + annular) over stub and NU to 8-5/8" csg. Will need kill/choke outlets below blind rams.
- 39 Function test and attempt to pressure test low (250 psig) and high (1000 psig).
- 40 Wireline freepoint and cut / pull all 7" casing that is free.
- 41 TIH with work string and install balanced cement plugs from last cement plug to 2100'.
- 42 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, close pipe rams, and WOC a minimum of 4 hrs.
- 43 RIH and tag cement. If top of plug is below 2300' then install second cement plug.
- 44 ND BOPE. Weld pulling nipple on 8-5/8" casing and dress top of 10-3/4" csg to accommodate BOPE.
- 45 Strip 11" spool (w/ kill + choke outlets) and annular over stub and NU to 10-3/4" csg.
- 46 Function test and attempt to pressure test low (200 psig) and high (500 psig).
- 47 Wireline freepoint and cut / pull all 8-5/8" casing that is free.
- 48 TIH with work string and install balanced cement plug from top of last cement plug to 1700'.
- 49 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, close pipe rams, and WOC a minimum of 4 hrs.
- 50 RIH and tag cement. If top of plug is below 1900' then install second cement plug.
- 51 ND BOPE. Weld pulling nipple on 10-3/4" casing.
- 52 Wireline freepoint and cut / pull all 10-3/4" casing that is free.
- 53 TIH with work string and install balanced cement plug from top of last cement plug to surface.
- 54 Grout all annuli as deep as possible.
- 55 RDMO service rig.
- 56 Erect monument per state regulations. Reclaim location and lease road.
- 57 P&A complete.
- 58 Notify REG / WE&T that well is back in-service.

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PREPARED BY: Maria Medvedeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 6/3/2022		

Brent Criser
4-5-23

05/11/2023

Objective: Plug and Abandon TITLE: Plug and Abandon WORK TYPE: MOD
 FIELD: Coco B WELL ID: 7060 LEASE #: 4771
 STATE: WV SHL (Lat/ Long) 38.416897 -81.463132 API: 47-039-01332-0000
 DIST/TWP: Elk BHL (Lat/Long) 38.416897 -81.463132 CNTY: Kanawha

EXISTING TUBULAR CONFIGURATION OD (inches) WEIGHT (PPF) GRADE THREAD DEPTH (ft) TOP BOTTOM WELLLINE #: X52BW7060
 Conductor 13 3/8 42.0 H-40 8rd NUE 0 44 * FORMATION: refer to MISC INFORMATION section
 Surface 10 3/4 varied H-40 8rd NUE 0 1586 * PAY: 5235
 Intermediate 8 5/8 28.0 J-55 8rd NUE 0 2013 * TD: 5235
 Intermediate 7 23.0 K-55 8rd NUE 0 5081 * PBTB:
 Production 4 1/2 11.6 J-55 8rd NUE 0 5150 KB-GL:
 Halliburton full-flow pkr shoe 4 1/2 J-55 8rd NUE 5150 5152 CSG DEPTH
 Production 4 1/2 11.6 J-55 8rd NUE 5152 5190

ELEVATIONS	
TMG:	
KB-RF:	
GL:	837

* Note Casing shoe depths taken from historic well record, differs from database Well Summary Rpt
 Perforations Acid fracture stimulation
 Wellhead API 5k Wellhead, 4-1/2" flowstring x 7" support string, 41/2" 8rd connection

D.H. EQUIPMENT	TYPE	DEPTH (ft)
PACKER INFO: Upper		
Lower		
NIPPLE PROFILE INFO: Upper		
Lower		
SSSV INFO:		

CEMENT INFO	Calc TOC (ft)
13 3/8 No record of cement	
10 3/4 No record of cement	
8 5/8 No record of cement	
7 No record of cement	
4 1/2 Cemented with 25 sacks of cement	4898

MISC INFORMATION
REFER TO WELL SUMMARY RPT, WELLBORE DIAGRAM, ELOG, ETC. (see spreadsheet tabs below)

Kill Fluid Calculation		* Note that kill fluid calculation tabs are hidden	
Maximum calculated bottom-hole pressure (for reference only):	2074	psig	* input
Maximum storage field surface pressure (MAOP):	1800	psig	* input
Well TD:	5235	ft TVD	* input
Top of storage zone:	5179	ft TVD	* input
Calculated maximum BH pressure at top of zone:	2058	psig	* output Kill Fluid (TOZ)
Kill fluid density at top of zone @:	200	psi OB	8.39 ppg * output Kill Fluid (TOZ)
Proposed depth of BP (N/A):	5179	ft TVD	* input
Calculated maximum BH pressure at depth of BP:	2058	psig	* output Kill Fluid (BP)
Kill fluid density at depth of BP @:	200	psi OB	8.39 ppg * output Kill Fluid (BP)
Required minimum kill fluid density (Oriskany):	8.4	ppg	* greater of the two
Required minimum kill fluid density (Brown Shale gas show):	8.9	ppg	

Current AOF:	27,294 MCF/D
Top historical AOF:	33,024 MCF/D
Last MVRT:	11/09/2000 Baker Atlas MicroVertilog showed no defects greater than Class 1.
BAL:	11/13/2000 Baker Atlas Bond Attenuation Log ran from 5008' to 4800', indicates TOC at 4800'.

PROPOSED YEAR: 2023	ERCB PERMIT REQD: YES ___ NO ___ X ___	(Internal) PDS Required: YES ___ NO ___
PREPARED BY: Maria Medvedeva	DT. APPLIED: ISSUED:	APPROVED: Brent Criser
PREP DATE: 6/3/2022	REVIEWED BY: James Amos	

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~ not to scale ~

COCO B 7060

Prior to P&A
(as of 05/29/2022)

Sea Level @ 837 ft

Fresh Water shows 140'
Salt Water show 1045'

Salt Sand 948' - 1397'

Red Rock 1472' - 1478'

Little Lime 1547' - 1576'
Big Lime 1580' - 1740'
* gas show 1715'

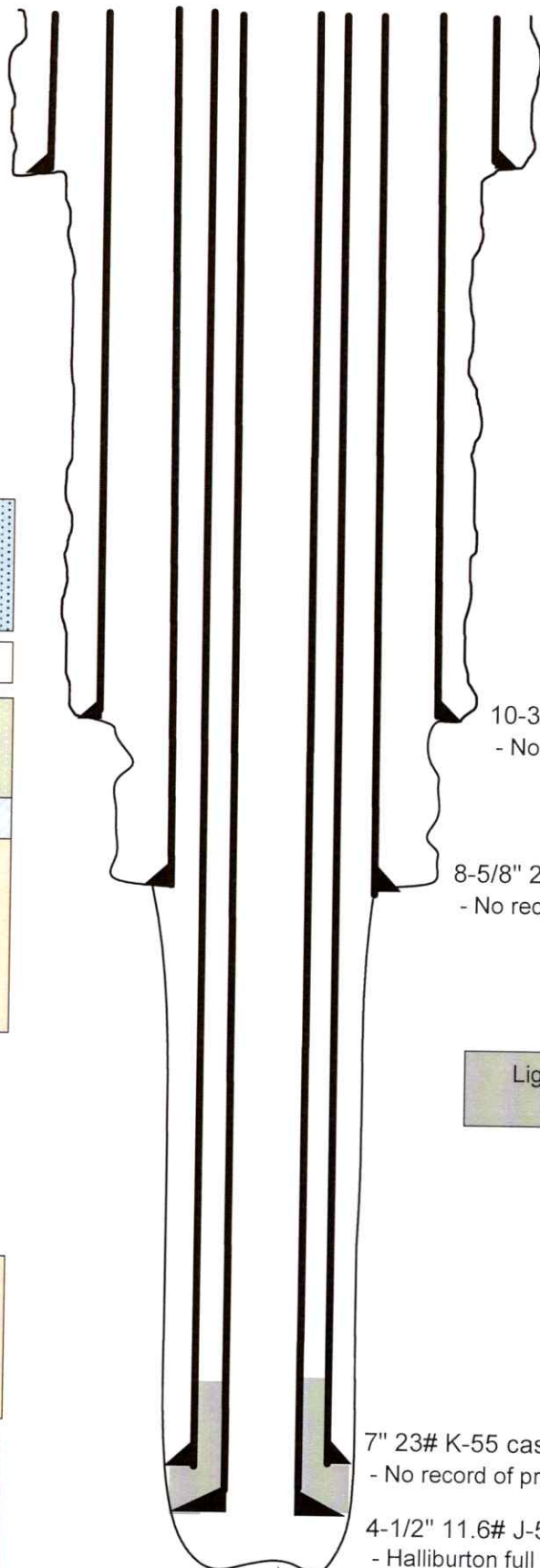
Injun 1740' - 1785'

Slate and Shale 1840' - 3440'
* oil show at 1882'
* gas show 1945'

Brown Shale 3865' - 4964'
* gas show 3910', 4940' - 4948'

Coniferous Lime 5051' - 5179'

Oriskany 5179' - 5233'
(gas storage)



13-3/8" 42# H-40 casing @ 44'
- No record of cement

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10-3/4" csg @ 1586'
- No record of cement

8-5/8" 28# J-55 casing @ 2013'
- No record of cement

Light grey fill indicates originally
installed cement

7" 23# K-55 casing @ 5081'
- No record of primary cement

4-1/2" 11.6# J-55 casing @ 5190'
- Halliburton full flow packer shoe at 5150'
- Cemented w/25 sks Class A. Calculated top 4898'.
11/13/2000 BAL log shows TOC at 4800', did not log
further up hole, cement may be present higher.

TD 5235'

6-1/2" open hole

05/11/2023

~ not to scale ~

COCO B 7060
Proposed P&A
(as of 06/02/2022)

Sea Level @ 837 ft

Fresh Water shows 140'
Salt Water show 1045'

Salt Sand 948' - 1397'

Red Rock 1472' - 1478'

Little Lime 1547' - 1576'
Big Lime 1580' - 1740'
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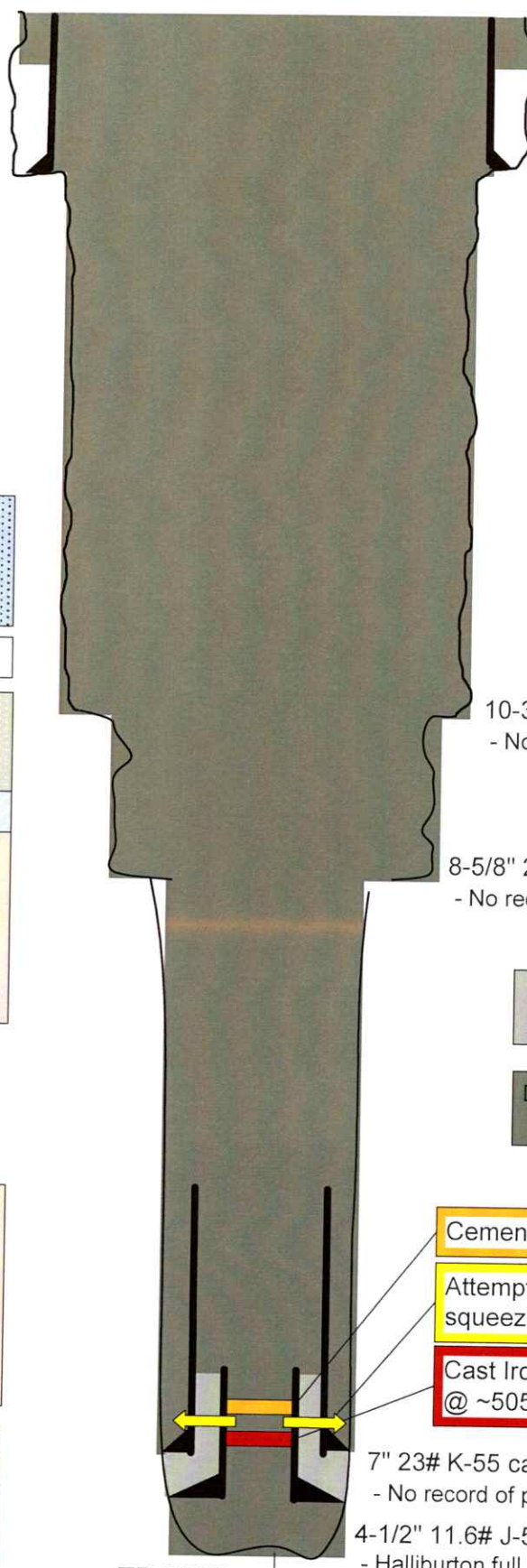
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Coniferous 5051' - 5179'

Oriskany 5179' - 5233'
(gas storage)



13-3/8" 42# H-40 casing @ 44'
- No record of cement

10-3/4" csg @ 1586'
- No record of cement

8-5/8" 28# J-55 casing @ 2013'
- No record of cement

Light grey fill indicates originally installed cement

Dark grey fill indicates cement installed during the P&A

Cement Retainer

Attempts will be made to perf and squeeze cement behind 7" csg @ ~5040'

Cast Iron Bridge plug @ ~5050'

7" 23# K-55 casing @ 5081'
- No record of primary cement

4-1/2" 11.6# J-55 casing @ 5190'
- Halliburton full flow packer shoe at 5150'
- Cemented w/25 sks Class A. Calculated top 4898'
11/13/2000 BAL log shows TOC at 4800', did not log further up hole, cement may be present higher.

TD 5235'

6-1/2" open hole

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05/11/2023

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WR-35
Rev (5-01)

DATE: 4/19/2006
API #: 47-039-01332F

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Lipscomb, Rodney, et al Operator Well No: Coco B 7060

LOCATION: Elevation: 856 ft Quadrangle: Blue Creek

District: Elk County: Kanawha
Latitude: 38° 25' 01" ft South of 38 Deg. 27 Min. 30 Sec.
Longitude: 81° 27' 49" ft West of 81 Deg. 27 Min. 30 Sec.

Company: Columbia Gas Transmission

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 1700 MacCorkle Ave SE Charleston, WV 25325-1273				
Agent: Paul Amick				
Inspector: Carlos Hively				
Date Permit Issued: 8/21/2000				
Date Well Work Commenced: 11/7/2000				
Date Well Work Completed: 2/6/2001				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Depth (feet): 5235				
Fresh Water Depth (ft.): 140				
Salt Water Depth (ft.): 1045				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Oriskany Sandstone Pay zone depth (ft) 5179 - 5233
Gas: Initial open flow N/A - gas storage MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A - gas storage MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure N/A - gas storage psig (surface pressure) after _____ Hours

Second producing formation none 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: James E. Amos
By: James E. Amos - Senior Storage Engineer
Date: 4/19/06



05/11/2023

Coco B 7060

4703901332P

Details of Rework Operation

4/19/2006

Killed well

MicroVertilog, GR-Neut-CCL, Cement Bond Log

Installed new 5M API wellhead

No perforations - openhole completion

Performed fracture stimulation: 336 bbls fluid
Break: 2580 psig
ATP: 4000 psig
ATR: 15 BPM
ISIP: 3800 psig

Reclaimed road and well location

05/11/2023

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WELL WORK PROCEDURE

Well No. Coco B - 7060

Purpose and Necessity:

Brief:

Directions to well:

Surface owner:

State Inspector:

Mobile phone no.:

Home phone no.:

304-549-5915
304-558-8489

Well Data

API No.: 47-039-01332

Elevation: 837

<u>Formation</u>	<u>top</u>	<u>bottom</u>	<u>remarks</u>
Sand	120	150	Water @ 140 ft, hole full
Salt Sand	948	1397	Water @ 1045 ft
Big Lime	1580	1740	Gas @ 1715 ft, show
Slate and Shale	1840	1905	Oil @ 1882 ft, show
Slate and Shale	1918	3440	Gas @ 1945 ft, show
Brown Shale	3865	4000	Gas @ 3910 ft, show
Brown Shale	4617	4964	Gas from 4940 ft to 4948 ft, show
Corniferous	5051	5179	
Oriskany	5179	5233	Gas from 5193 ft to 5206 ft, OF = 0.984 Mmcf/d; Oil @ 5220 ft, show; Gas @ 5210 ft, 5216 ft, and 5225 ft; OF = 0.852 Mmcf/d.
Total depth	5235		

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Absolute open flow:

MMcf/d

kh:

684 md-ft

Max reservoir pressure:

psig

Skin:

-2.38

Completion

Casing and tubing

<u>size</u>	<u>weight</u>	<u>depth</u>	<u>cement</u>	<u>remarks</u>
13-3/8	42	44		

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03/20/2000
7060DATAPAGE.DOC

WELL WORK PROCEDURE

10-3/4	Mixed	1586
8-5/8	28	2013
7	23	5081
4-1/2	11.6	5190

Stimulation treatments

7/26/47-Shot with 566-2/3# EL 409 and 50# Gelatin OF = 1.431 Mmcf/d @ 300 psig

6/22/67-Fractured with 12 bbls acid, 510 bbls water, and 21,000 lbs 20-40 sand. OF = 7.326 Mmcf/d @ 1180 psig.

Detailed Procedure

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. Ken-1332

Oil or Gas Well Gas

Company UNITED FUEL GAS CO.,
 Address P.O. Box 1273, Charleston 25, W. Va.
 Farm Louisa Woody Acres 60
 Location (waters) Pinch Creek
 Well No. 5850 Elev. 836.65 Gr.
 District Elk County Kanawha
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by Elbert Woody, et al
Pinch, W. Va. Address _____
 Drilling commenced 1-15-47
 Drilling completed 7-25-47
 Date Shot 7-26-47 From _____ To _____
 With 566-2/3 E.L. 409 & 50# Gal.
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure 300 lbs. 24 hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 140 feet _____ feet
 Salt water 1045 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10 - 3/4	1592'	1592'	Size of
8 8-5/8	2050'	2050'	
7 7". D.D.	5063'	5063'	Depth set
5 3/16			
3			Perf. top
2 Tubing		5181'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	10			
Slate			10	20			
Sand			20	45			
Slate			45	60			
Lime			60	100			
Slate			100	120			
Sand			120	150	Water	140'	Hole Full
Slate			150	190			
Sand			190	230			
Slate			230	270			
Gritty Lime			270	305			
Slate			305	395			
Sand			395	422			
Slate & Shells			422	454			
Sand			454	472			
Slate			472	608			
Sand			608	622			
Slate			622	627			
Gritty Lime			627	640			
Slate & Shells			640	695			
Lime			695	705			
Slate & Shells			705	728			
Sand			728	758			
Slate			758	775			
Sand			775	810			
Slate & Shells			810	822			
Gritty Lime			822	835			
Slate & Shells			835	903			
Sand			903	932			
Slate & Shells			932	948			
Salt Sand			948	1397			
Slate			1397	1415	Water	1045'	
Lime			1415	1425			
Slate			1425	1427			
Gritty Lime			1427	1460			
Slate & Shells			1460	1472			
Red Rock			1472	1478			
Slate & Shells			1478	1519			
Gritty Lime			1519	1538			



05/11/2023

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			1538	1540			
Line Shells			1540	1545			
Slate			1545	1547			
Little Lime			1547	1576			
Pencil Cove			1576	1580			
Big Lime			1580	1740	Gas	1715'	Show
Injun Sand			1740	1785			
Slate & Shells			1785	1810			
Red Rock			1810	1822			
Gritty Lime			1822	1840			
Slate & Shells			1840	1905	Oil	1882'	Show
Sand			1905	1918			
Slate & Shells			1918	3440	Gas	1945'	Show
Lime			3440	3594			
Slate & Shells			3594	3772			
Brown Shale			3772	3800			
Slate & Shells			3800	3865			
Brown Shale			3865	4000	Gas	3910	Show
Slate & Shells			4000	4210			
Brown Shale			4210	4272			
White Slate			4272	4617	Gas	4940'	Show
Brown Shale			4617	4964	Gas	4948'	Show
White Slate			4964	5002			
Brown Shale			5002	5051			
Ceriferous Lime			5051	5179			
Criskany Sand			5179	5233	Gas	5143-5206	
Black Lime			5233	5235			
Total Depth:			5235'				

Date October 20, 19 47

APPROVED UNITED FUEL GAS CO., Owner

By G. H. Moor
Chief Engineer (Title) 2

05/11/2023



- Table Descriptions
- County Code Translations
- Permit-Numbering Schemes
- Usage Notes
- Contact Information
- Disclaimer
- WVGES Main
- "Pipeline-Plus"

Select County: (039) Kanawha (Check All)

Enter Permit #: 01332

Get Data

Select datatypes: Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/ShowWater Logs Btm Hole Loc

WV Geological & Economic Survey

Well: County = 39 Permit = 01332 [Link to all digital records for well](#)

Report Time: Monday, May 08, 2023 10:14:52 AM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX	DISTRICT	QUAD	75	QUAD	15	LAT_DD	81.463707	459519.4	UTM_N	4252196
4703901332	Kanawha	1332	EIK		Blue Creek	Clendenn	36	417095	-81.463707	459519.4	4252196		

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR	AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4703901332	7/25/1947	Original Loc	Completed	Louisa Woody	7	7060				United Fuel Gas Co.				
4703901332	2/6/2001	Worked Over	Completed	Rodney H Libscomb et al	7	7060				Kay L Mitchell et al.				
										Columbia Gas Transmission Corp.				

Completion Information:

API	CMP_DT	SPUD_DT	ELEV DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AFT	O_BEF	O_AFT	NGL_BEF	NGL_AFT	P_BEF	TI_BEF	P_AFT
4703901332	7/25/1947	837	Ground Level	Blue Ck(Fig Rk)	Heldenberg	1045	Development Well	Development Well	Gas w/ Oil	Show	unknown	5235	5235			0	0	0	0			0	0	0
4703901332	2/6/2001	1177/2000	837	Ground Level	Blue Ck(Fig Rk)	Oriskany	Development Well	Development Well	Gas	Rotary	Fractured	5235	5235			0	0	0	0			0	0	300

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH	BOT	FM	BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4703901332	7/25/1947	Water	Unknown Water	Vertical	140										0
4703901332	7/25/1947	Water	Unknown Water	Vertical	1045										0
4703901332	7/25/1947	Show	Gas	Vertical	1745						0	0			0
4703901332	7/25/1947	Show	Oil	Vertical	1682						0	0			0
4703901332	7/25/1947	Show	Gas	Vertical	1945						0	0			0
4703901332	7/25/1947	Show	Gas	Vertical	3910						0	0			0
4703901332	7/25/1947	Show	Gas	Vertical	4940						0	0			0
4703901332	7/25/1947	Show	Gas	Vertical	4946						0	0			0
4703901332	7/25/1947	Pay	Gas	Vertical	5193						0	0			0
4703901332	2/6/2001	Pay	Gas	Vertical	5179						0	0			0
4703901332	2/6/2001	Pay	Gas	Vertical	5233						0	0			0

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH	QUALITY	THICKNESS	THICKNESS	QUALITY	ELEV	DATUM
4703901332	Original Loc	Salt Sands (undiff)	Well Record	948	Reasonable	449	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Little Lime	Well Record	1547	Reasonable	29	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Pencil Cave	Well Record	1576	Reasonable	4	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Big Lime	Well Record	1580	Reasonable	160	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Price Fm & equivs	Well Record	1740	Reasonable	0	Distible Pick	837	Ground Level	837	Ground Level
4703901332	Original Loc	Big Injun (Pric&eq)	Well Record	1740	Reasonable	45	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Wier	Well Record	1905	Reasonable	13	Distible Pick	837	Ground Level	837	Ground Level
4703901332	Original Loc	Lower Huron	Well Record	3594	Reasonable	678	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Big White Slate	Well Record	4000	Reasonable	617	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Rhinestreet Sh	Well Record	4617	Reasonable	77	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Onondaga Ls	Well Record	5051	Reasonable	128	Reasonable	837	Ground Level	837	Ground Level
4703901332	Original Loc	Oriskany	Well Record	5179	Reasonable	54	Reasonable	837	Ground Level	837	Ground Level
4703901332	Worked Over	Oriskany	Well Record	5179	Reasonable	54	Reasonable	856	Ground Level	856	Ground Level
4703901332	Original Loc	Heldenberg	Past WVGES Staff Geologist	5233	Reasonable	0	Reasonable	837	Ground Level	837	Ground Level

Wireline (E-Log) Information:

* Scanned/Paper Log Information:

API	LOG_TOP	LOG_BOTTOM	DEEPEST_FML	LOGS_AVAILABLE	SCAN	GR_TOP	GR_BOTTOM	D_TOP	D_BOTTOM	N_TOP	N_BOTTOM	I_TOP	I_BOTTOM	T_TOP	T_BOTTOM	S_TOP	S_BOTTOM	O_TOP	O_BOTTOM	INCH2	INCHS	REDUCED	KOP	ELEV_KB	ELEV_GL	ELEV_DF	LOG_MSIRD	FROM
4703901332	0	5204	G.T.C.	Y	0	5204	0	5204	0	5204	0	5200	0	5200	0	5194	6	5194	0	5200	Y	Y	0	0	0	0	0	0

Scanned/Paper Comment: *logs: Caliper, Perf, log, Weight Indicator, CCL,

There is no Digitized Log data for this well

Downloadable Log Images/Data: We advise you to save the scanned log or digitized log file(s) to your PC for viewing. To do so, right-click the file of interest and select the save option. Then you can direct the file to a location of your choice. Please note the scanned log images vary in size and some may take several minutes to download.

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click [here](#)

geologic log types:
 d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
 g gamma ray
 i induction (includes dual induction, medium induction, deep induction, etc.)
 l laterolog
 m dipmeter
 n neutron (includes neutron porosity, sidewall neutron--SWN, etc.)

FILENAME
4703901332050500.HIF
4703901332050500.HIT
4703901332050500.HIT

4703901332P

05/11/2023

4703901332P

- o other¹
 - s sonic or velocity
 - t temperature (includes borehole temperature, BHT, differential temperature, etc.)
 - z spontaneous potential or potential
- mechanical log types:**
- b cement bond
 - c caliper
 - o other¹
 - p perforation depth control or perforate

¹Other logs may include, but are not limited to, such curves as audio, bit size, CCL--casing collar locator, continuous meter, directional survey, gas detector, guard, NCTL--Nuclear Cement Top Locator, radioactive tracer, tension

There is no Plugging data for this well

There is no Sample data for this well

05/11/2023

WW-4A
Revised 6-07

1) Date: 04.03.2023
2) Operator's Well Number
Coco B 7060

*OK #43064
100.00*

3) API Well No.: 47 - 039 - 01332

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>Rodney H. and Teresa A Lipscomb</u>	Name <u>Not operated</u>
Address <u>75 Upper Pinch Rd.</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 <u>RECEIVED</u>
Address <u>P.O. Box 1207</u>	Office of Oil and Gas
<u>Clendenin, WV 25045</u>	<u>APR 14 2023</u>
Telephone <u>304-549-5915</u>	_____

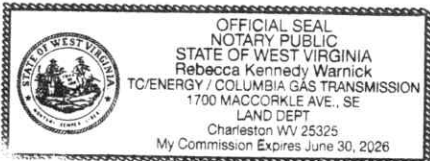


TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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: Maria Medvedeva *[Signature]*

Its: Senior Wells Engineer - Well Engineering and Technology

Address 1700 MacCorkle Ave SE

Charleston, WV 25314

Telephone 304-410-4313

Subscribed and sworn before me this 3rd day of April, 2023

[Signature] Notary Public

My Commission Expires 6/30/26

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 depprivacyoffier@wv.gov.

05/11/2023

4703901332P

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



April 3, 2023

Rodney H. and Teresa A. Lipscomb
75 Upper Pinch rd
Elkview, WV 25071

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Office of Oil and Gas

APR 14 2023

WV Department of
Environmental Protection

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 7060 (API 47-039-01332).

As part of the well permitting process, Columbia, the well operator, is required to provide a copy of all applicable permit application forms for your review and record retention.

Regards,

Maria Medvedeva
Senior Wells Engineer
Well Engineering & Technology
Columbia Gas Transmission, LLC

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

Elkview, WV 25071

Postage	\$4.15
Certified Fee	\$3.35
Return Receipt Fee (Endorsement Required)	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$9.65
	\$17.15

Postmark: APR 3 2023
04/03/2023

Sent To: Rodney & Teresa Lipscomb
Street, Apt. No.; or PO Box No.
City, State, ZIP+4: CB 7060

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- 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.

1. Article Addressed to:
Rodney & Teresa Lipscomb
75 Upper Pinch Rd
Elkview, WV 25071

2. Article Number (Transfer from service label)
7003 2260 0006 0199 1202

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail
 Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Insured Mail
 Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Signature Confirmation
 Signature Confirmation Restricted Delivery
 Mail Restricted Delivery

A. Signature
 Rodney Lipscomb Agent
 Address

B. Received by (Printed Name)
 Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

APR 05 2023
ELKVIEW, WV

05/11/2023

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

www.tcenergy.com

SURFACE OWNER WAIVER

Operator's Well
Number

Coco B 7060

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

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Office of Oil and Gas
APR 14 2023
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

05/11/2023

4703901332 P

WW-4B

API No. 47-039-01332

Farm Name _____

Well No. Coco B 7060

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 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 _____

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Office of Oil and Gas

APR 14 2023

WV Department of
Environmental Protection

05/11/2023

4703901332P

WW-9
(5/16)

API Number 47 - 039 - 01332
Operator's Well No. Coco B 7060

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) Pinch Creek Quadrangle Blue Creek, WV

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 *iu*

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)
- Underground Injection (UIC Permit Number 34-167-23862)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Mud Master 64054; Reserve Environmental Services (WMGR123SW005)
Appalachian Water Services (WMGR 123SW001))

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

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? _____

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APR 14 2023
WV Department of
Environmental Protection

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 *Maria Medvedeva*

Company Official (Typed Name) Maria Medvedeva

Company Official Title Senior Wells Engineer - Well Engineering and Technology

Subscribed and sworn before me this 3rd day of April, 2023

Rebecca Kennedy Warrick Notary Public

My commission expires 6/30/26



4703901332 ↑

Form WW-9

Coco B 7060
Operator's Well No. _____

Proposed Revegetation Treatment: Acres Disturbed <1.0 Prevegetation pH 6 - 7

Lime 2 Tons/acre or to correct to pH 7 - 8

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch hay or straw @ 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: _____

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APR 14 2023

WV Department of
Environmental Protection

Title: Inspectr DelECONS Date: 4-5-23

Field Reviewed? Yes No

05/11/2023

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): Pinch Creek Quad: Blue Creek, WV

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 fluids planned to be discharged.
- 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 contaminants 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 and well servicing equipment will be monitored and 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.

Pinch Creek is at a distance of 0.07 miles S.

The Trail Kitchen (WV9908037) is the closest Well Head Protection Area at a distance of 10.9 miles E from discharge area.

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

N/A

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APR 14 2023
WV Department of
Environmental Protection

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

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.

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Office of Oil and Gas

APR 14 2023

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. Accidental release from well fluids and spills from construction equipment are the only sources of contaminants to groundwater.

All construction and well servicing equipment will be monitored and inspected daily for leaks or spills.

Signature: 

Date: 04.03.2023

WV DEP Reclamation Plan - Site Detail

Coco B well 7060 (API 47-039-01332)

- 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

~0.2 acres

Existing Access Road

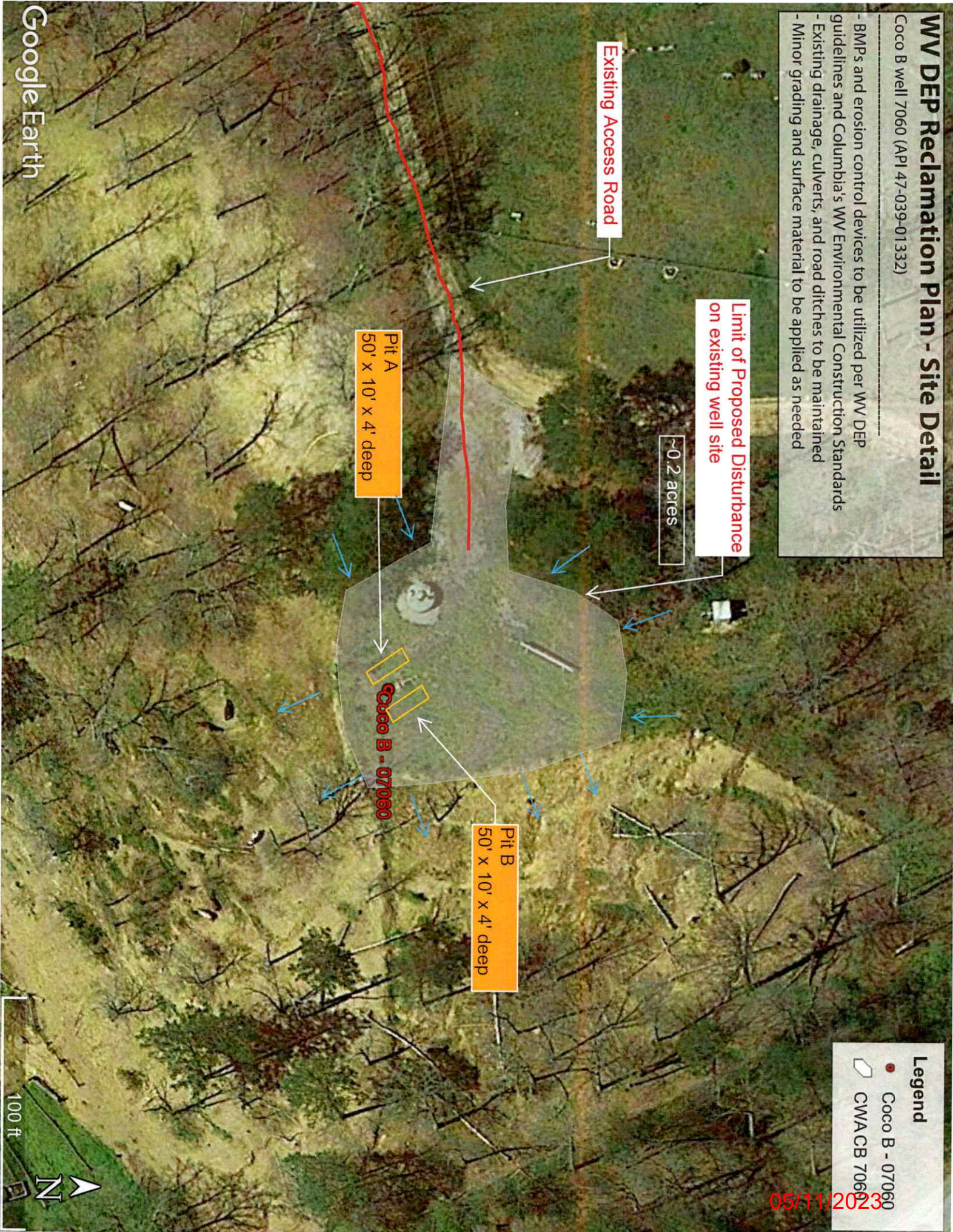
Pit A
50' x 10' x 4' deep

Pit B
50' x 10' x 4' deep

Coco B - 07060

- Legend**
- Coco B - 07060
 - CWACB 7060

05/11/2023



WV DEP Reclamation Plan - Overview

Coco B well 7060 (APL 47-039-01332)

- 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

Legend

- Coco B - 07060
- CWA CB 7066

05/11/2023

Existing Access Road

Coco B - 07060



4703901332P

BLUE CREEK QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(CLIO)

(ROMANCE)



(KETTLE)

081° 28' 56.1822" W
038° 26' 19.4492" N

081° 26' 37.7745" W
038° 26' 19.4492" N



(BIG CHIMNEY)

(CLENDENIN)

(CHARLESTON EAST)

(MAMMOTH)

Produced by Trimble Terrain Navigator Pro
Topography based on USGS 1:24,000
Maps

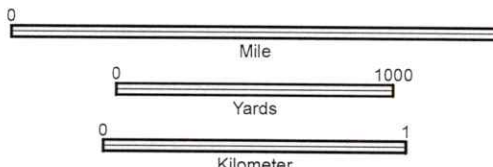
North American 1983 Datum (NAD83)

To place on the predicted North American
1927 move the projection lines 11M N and
14M E

Declination



(QUICK)
SCALE 1:24000

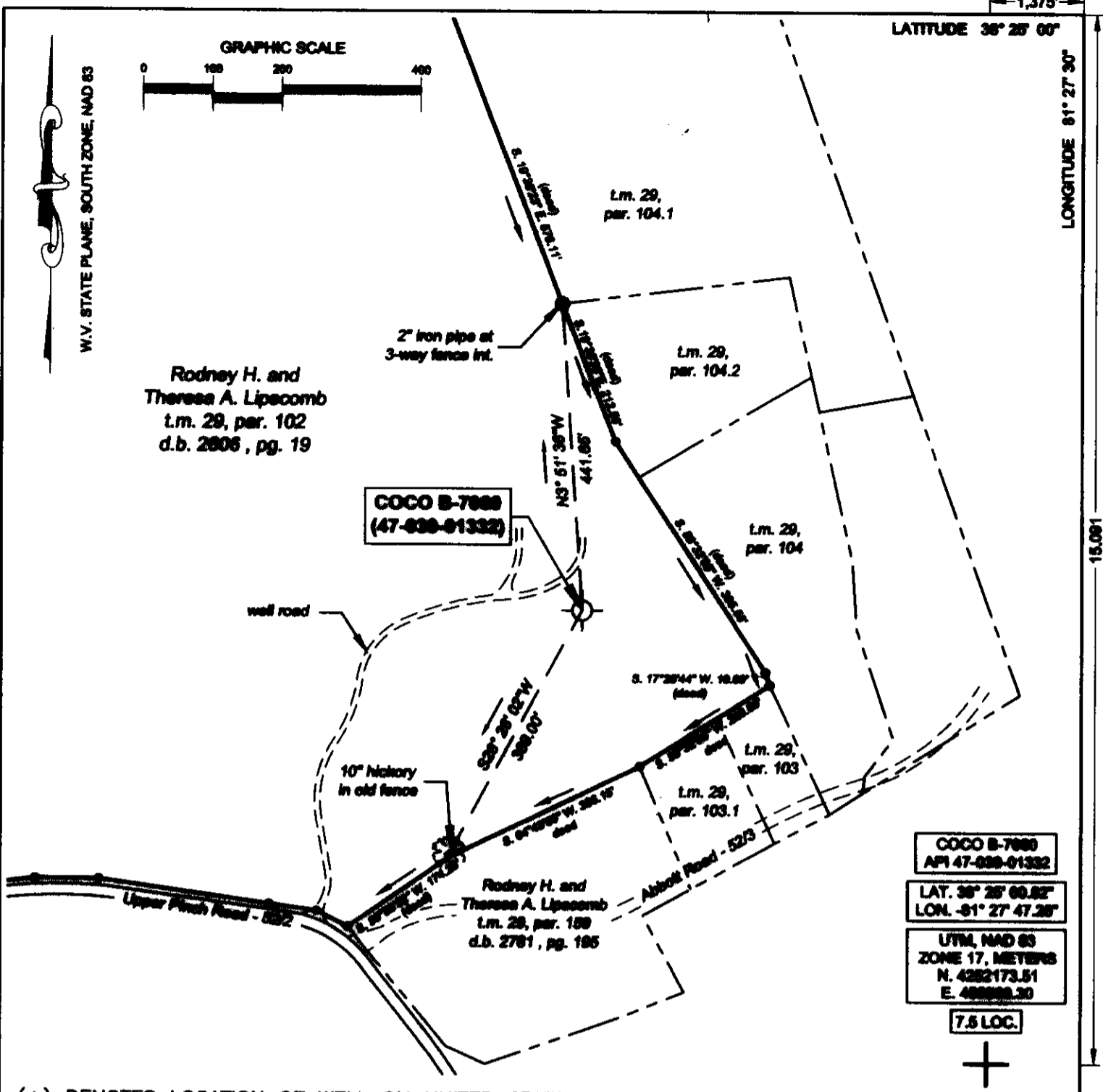


CONTOUR INTERVAL 20 FT

Printed: Thu May 05, 2022

38081-D3-TM-024
BLUE CREEK, WV
JAN 1, 1977

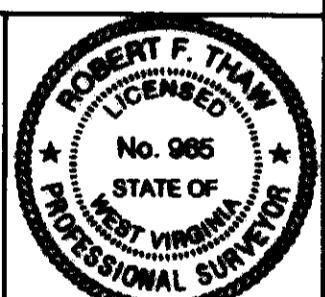
05/11/2023



FILE No. 2101-2345-001-006
 DRAWING No. COCO B - 7060
 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 MAY 05 2022
 OPERATOR'S WELL No. 7060
 API WELL No. 47 039 - 01332^P

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

LOCATION: ELEVATION 839.4' WATER SHED FINCH CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK, WV

SURFACE OWNER RODNEY H. LIPSCOMB AND THERESA A. LIPSCOMB ACREAGE 40.56 ACRES
 OIL & GAS ROYALTY OWNER MILDRED PRESTON LAKE, TRUSTEE, ET AL - ELBERT WOODY AND OPAL WOODY
 LEASE ACREAGE 61 ACRES LEASE NO. 1004771-000 05/11/2023

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

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5235
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT MARIA MEDVEDEVA
 ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS 1700 MACCORRICK AVE, S.E.
25325-1273 CHARLESTON, WV 25314

FORM IV-6 (8-78)



Kennedy, James P <james.p.kennedy@wv.gov>

Plugging permit issued 4703901332

1 message

Kennedy, James P <james.p.kennedy@wv.gov>

Tue, May 9, 2023 at 2:10 PM


To: Terry W Urban <terry.w.urban@wv.gov>, maria_medvedeva@tcenergy.com, sallierobinson@kanawha.us


To whom it may concern, a plugging permit has been issued for 4703901332.

James Kennedy

WVDEP OOG

2 attachments

 **ir-8 4703901332.pdf**
120K

 **4703901332.pdf**
4997K

05/11/2023