

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Alvin Engelke-Creston Co Operator Well No.: Coco C 12440

LOCATION: Elevation: 807.9 Quadrangle: Blue Creek
District: Elk County: Kanawha
Latitude: 8205 Feet South of 38 Deg. 27 Min. 25 Sec.
Longitude: 8673 Feet West of 81 Deg. 25 Min. 00 Sec.

Well Type: OIL _____ GAS X

Company Columbia Gas Transmission, LLC Coal Operator Not operated
1700 MacCorkle Avenue S.E. or Owner _____
Charleston, WV 25314 _____
Agent Maria Medvedeva Coal Operator _____
Permit Issued Date 01/12/23 or Owner _____

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AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Kanawha ss:

Maria Medvedeva and Nathan Salyers being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 3 day of October, 2023, and the well was plugged and filled in the following manner:

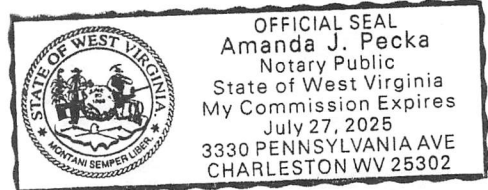
TYPE	FROM	TO	PIPE REMOVED	LEFT
15.6 ppg Class A Cement	TD	5151	N/A	openhole
15.6 ppg Class A Cement	5151	5127	N/A	5-1/2"
15.6 ppg Class A Cement	5127	4268	2-3/8"	5-1/2"
Cast Iron Bridge Plug	4264	4264	2-3/8"	5-1/2"
15.6 ppg Class A Cement	4264	3892	2-3/8"	5-1/2"
Cement Retainer	3892	3892	2-3/8"	5-1/2"
15.6 ppg Class A Cement	3892	2168	2-3/8"	5-1/2"

See additional plugging data.

Description of monument: 5-1/2" casing, 5' above ground level, API number affixed and that the work of plugging and filling said well was completed on the 20 day of October, 2023.

And further deponents saith not. Nathan Salyers
Maria Medvedeva

Sworn and subscribe before me this 9th day of November, 2023



My commission expires: July 27, 2025 Amanda J. Pecka
Notary Public

Affidavit reviewed by the Office of Oil and Gas: Amy... 11-14-23 Title: Inspector O&G
12/08/2023

Coco C 12440 Additional Plugging Data (API 47-039-06118)

TYPE	FROM	TO	PIPE REMOVED	LEFT
15.6 ppg Class A Cement	2168	1980	2-3/8"	5-1/2", 8-5/8"
15.6 ppg Class A Cement	1980	421	2-3/8", 5-1/2"	8-5/8"
15.6 ppg Class A Cement	421	32	2-3/8", 5-1/2"	8-5/8", 11-3/4"
15.6 ppg Class A Cement	32	0	2-3/8", 5-1/2"	8-5/8", 11-3/4", 16"
* Note - topped off all annuluses with cement to surface				
** Note – refer to attached wellbore diagram for additional wellbore details				

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~ not to scale ~

COCO C 12440

Prior to P&A
(as of 09/13/2022)

Sea Level @ 804 ft

Fresh Water Depth @ 100' (damp)

16" 42# B-35 casing @ 32'
- Not cemented. Sanded in.

11-3/4" 42# H-40 casing @ 421'
- Cemented with 220 sxs. 15 bbls returned to surface.

Salt Sand 933' - 1336'
1/2" water stream observed @ 933',
3" stream at 1049'

Little Lime 1493' - 1532'

Big Lime 1548' - 1586'

Weir Sand 1794' - 1969'
show oil / gas'

Sunbury Shale 2110' - 2122'

8-5/8" 32# J-55 csg @ 2168'
- Cemented with 440 sx. 15 bbls returned to surface.

TOC @ 4168' per 12/14/2008 SBT.

Light grey fill indicates cement in place during well construction.

2-3/8" 4.7# J-55 tubing @ 5127'
- Baker model F 1.81" seating nipple and wireline re-entry guide ran on bottom (1.6')

5-1/2" 17# I-80 casing @ 5151'
- Cemented with 160 sx.

Marcellus 5046' - 5071'

Onondaga 5073' - 5214'

Oriskany 5214' - 5235'
(gas storage)

Helderberg Lime 5234' - 5279'

4-3/4" openhole
TD 5279'

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~ not to scale ~

COCO C 12440

Actual P&A

(as of 10/20/2023)

Sea Level @ 804 ft

Fresh Water Depth @ 100' (damp)

16" 42# B-35 casing @ 32'
- Not cemented. Sanded in.

11-3/4" 42# H-40 casing @ 421'
- Cemented with 220 sxs. 15 bbls returned to surface.

Confirmed 8-5/8" casing TOC at ~60' with Baker CBL 10/18/23. Grout all casing strings from surface.

8-5/8" 32# J-55 csg @ 2168'
- Cemented with 440 sx. 15 bbls returned to surface.

Cement Retainer @ 3892'

Attempt squeeze thru 12 shot perf's per 2' at 4264 - 4262', 4146 - 4144', 4046' - 4044', unable to initiate injection.

TOC @ ~4168' per 12/14/2008 SBT.

Cast Iron Bridge Plug @ 4264'

5-1/2" 17# I-80 casing @ 5151'
- Cemented with 160 sx.

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- Salt Sand 933' - 1336'
1/2" water stream observed @ 933',
3" stream at 1049'
- Little Lime 1493' - 1532'
- Big Lime 1548' - 1586'
- Weir Sand 1794' - 1969'
show oil / gas'
- Sunbury Shale 2110' - 2122'

Cut and pull 5-1/2" casing from 1980'.

Performed 5-1/2" casing squeeze from 3929'
- 3927' perforations. TOC confirmed @
2061' with Baker CBL 10/13/23.

Light grey fill indicates cement in place during well construction.

Dark grey fill indicates cement placed during P&A.

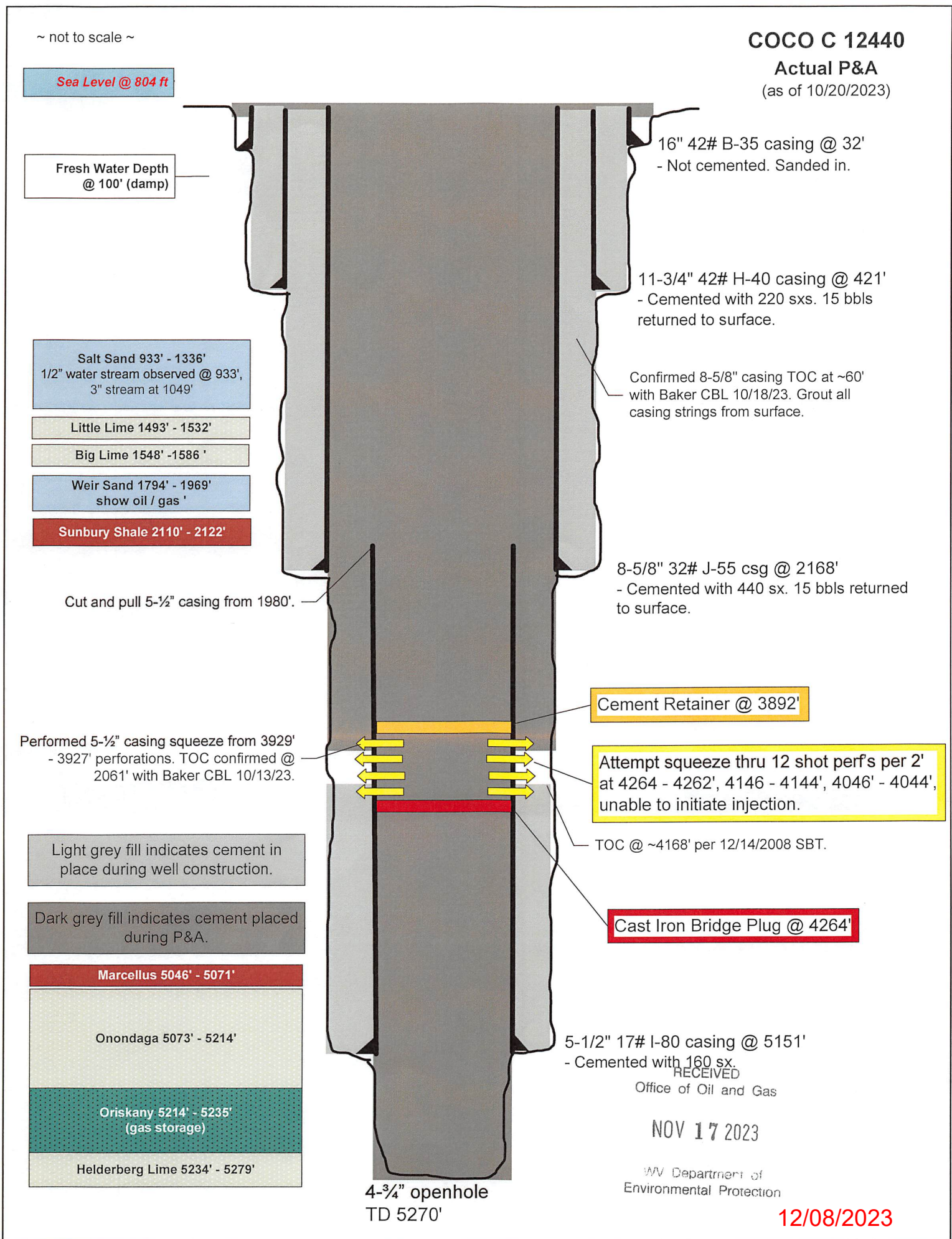
Marcellus 5046' - 5071'

Onondaga 5073' - 5214'

Oriskany 5214' - 5235'
(gas storage)

Helderberg Lime 5234' - 5279'

4-3/4" openhole
TD 5270'



Columbia Gas Transmission, LLC

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



November 16th, 2022

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

Enclosed is a post well plugging and abandonment permit application for the following Columbia Gas Transmission storage well:

Coco C 12440 (API 47-039-06118)

If you have questions, feel free to call.

Regards,

A handwritten signature in black ink, appearing to read "Maria Medvedeva", written over a white background.

Maria Medvedeva
Senior Wells Engineer
Well Engineering & Technology
Columbia Gas Transmission, LLC
Mob: 304-410-4313
maria_medvedeva@tcenergy.com

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