

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



ORIGINAL

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: Matt Amos, Et Al Operator Well No.: Coco B 7097

LOCATION: Elevation: 831.8 Quadrangle: Blue Creek, WV
District: Elk County: Kanawha
Latitude: 3674 Feet South of 38 Deg. 25 Min. 00 Sec.
Longitude: 5707 Feet West of 81 Deg. 27 Min. 30 Sec.

RECEIVED
Office Of Oil and Gas
MAR 26 2024
WV Department of
Environmental Protection

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 _____
or Owner _____
Permit Issued Date 05/09/2023 _____

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 8th day of February, 2024, and the well was plugged and filled in the following manner:

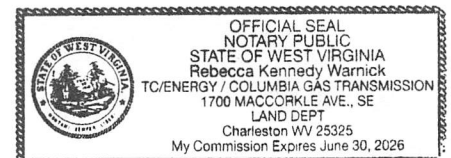
TYPE	FROM	TO	PIPE REMOVED	LEFT
15.6 ppg Class A Cement	5205	5195	N/A	openhole
15.6 ppg Class A Cement	5195	5072	N/A	3-1/2"
15.6 ppg Class A Cement	5072	5050	N/A	3-1/2', 5-1/2"
Cast Iron Bridge Plug	5050	5050	N/A	3-1/2', 5-1/2"
15.6 ppg Class A Cement	5050	1602	N/A	3-1/2', 5-1/2"
15.6 ppg Class A Cement	1602	0 *	N/A	3-1/2', 5-1/2", 7"
			* Note - topped off all annuli with cement	from surface. Refer to WBS for more details.

Description of monument: steel plate 3' below GL w/ well name / API # / date; & offset remote monument and that the work of plugging and filling said well was completed on the 29th day of February, 2024.

And further deponents saith not. Nathan Salyers 3/18/24

Maria Medvedeva 03/18/2024

Sworn and subscribe before me this 18th day of March, 2024



My commission expires: 6/30/26

Rebecca Kennedy Warrick
Notary Public

Affidavit reviewed by the Office of Oil and Gas: Amy Mela 3-20-24

Title: Inspector 04/12/2024

~ not to scale ~

COCO B 7097

Prior to P&A
(as of 07/06/2022)

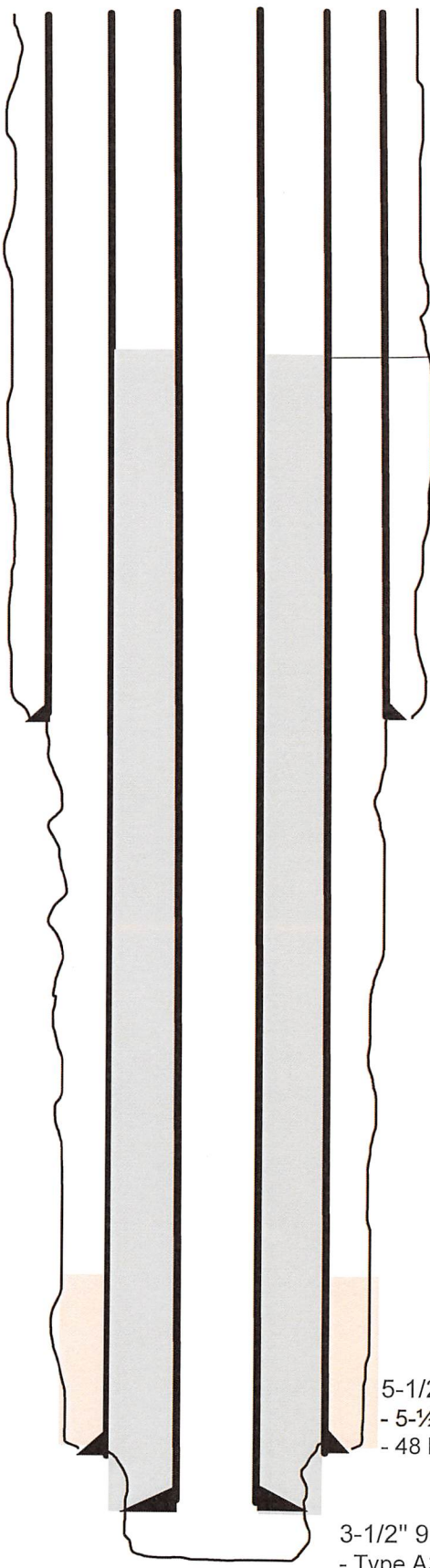
Sea Level @ 831 ft

* No fresh water shows reported by driller

Calculated TOC 835'
Per 06.28.18 RAL - good cement from 5190' - 5180', 5119' - 4440', then partial to 3190', partial 2930' - 2250', partial 1746' - 1440', good 1106' - 884' (top logged interval).

- Salt Sand 998' - 1373'
- Maxon Sand 1475' - 1518'
- Little Lime 1521' - 1558'
- Big Lime 1582' - 1622'
- Loyalhanna 1625' - 1731'
- Injun Sand 1760' - 1775'
- Weir SS 1820' - 1987'
Black oil 1890 - 1892'
Green oil 1922 - 1990'
- Berea SS 2100'-2102'

- Brown Shale 3265' - 3360'
- Slate and Shells 3360' - 3385'
- Lime 3385' - 3695'
- Brown Shale 3695' - 3716'
- Lime 3716' - 3780'
- Slate and Shells 3780' - 4594'
- Brown Shale 4594' - 5034'
- Possible Marcellus 5006' - 5022'
- Onodaga Lime 5034' - 5138'
- Oriskany 5138'-5200'
(gas storage)
- Lime 5200' - 5207'
- Sand 5207' - 5228'
- Lime 5228' - 5230'



7" 20# csg @ 1602'
No record of cement

Light grey fill indicates originally placed cement

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5-1/2" 17# casing @ 5072'
- 5-1/2" x 7" Midget packer set 5045' SLM
- 48 bags Aquagel and 5 bales Fibertex

3-1/2" 9.2# casing @ 5195'
- Type A3 Camco SSSV and Camco type G slip stop ran 5130', maybe removed in 2000' or pushed to bttm
- 3" x 5" x 32' Combination wall and anchor packs
- Cemented with 206 sx.

TD 5230'

04/12/2024

MAR 26 2024

COCO B 7097

Actual P&A

(as of 02.29.2024)

WV Department of
Environmental Protection

~ not to scale ~

Sea Level @ 831 ft

* No fresh water shows
reported by driller

Light grey fill indicates originally
placed cement

Dark grey fill indicates cement
placed during the P&A

Salt Sand 998' - 1373'

Maxon Sand 1475' - 1518'

Little Lime 1521' - 1558'

Big Lime 1582' - 1622'

Loyalhanna 1625' - 1731'

Injun Sand 1760' - 1775'

Weir SS 1820' - 1987'

Black oil 1890 - 1892'

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Slate and Shells 3780' - 4594'

Brown Shale 4594' - 5034'

Possible Marcellus 5006' - 5022'

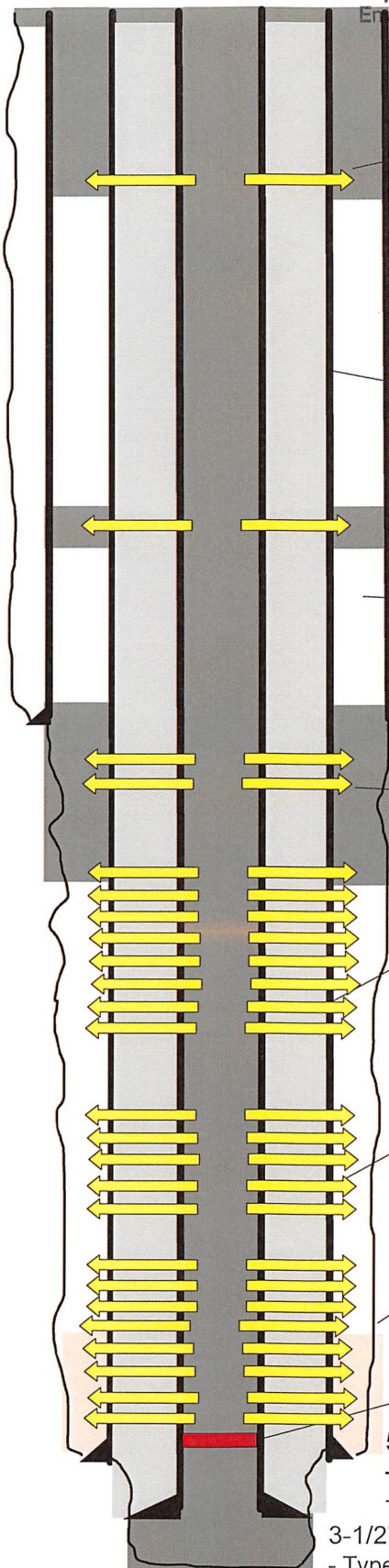
Onodaga Lime 5034' - 5138'

Oriskany 5138' - 5200'
(gas storage)

Lime 5200' - 5207'

Sand 5207' - 5228'

Lime 5228' - 5230'



Perf 375', pressured out. Perf again 310', and
cement to surface in both 5-1/2" x 7" annulus
and 3-1/2" casing. Did not have standoff behind
7" casing to attempt to grout it deep.

Per 06.28.18 RAL - good cement from
5190' - 5180', 5119' - 4440', then partial to
3190', partial 2930' - 2250', partial 1746' -
1440', good 1106' - 884' (top logged
interval).

2.13.24 CBL from 1650 to surface
showed strung out cement signatures.

Perf 976', establish circulation, pump cement
plug. TOC 400'.

7" 20# csg @ 1602'
No record of cement

Found TOC 2027'. Perf at 1800', 1700' - trickle
to no injection. Set cmt plug to 1375',
squeezing annulus under pressure. TOC 1000'

Perf, unsuccessful in circulating or injecting
behind 5-1/2" - 3097', 3000, 2898, 2800, 2700',
2690', 2600' no bleed off or lockup. Achieve
circulation 2494'. Set cement plug inside 3-1/2"
and across perforations, and squeeze 13bbls
behind 5-1/2", ETOC 1600.

Perf, unsuccessful in circulating or injecting
behind 5-1/2" - 4070', 3950', 3850', 3750',
3650'. Set cement plug inside 3-1/2" and across
perforations. TOC 3100'

Perf, unsuccessful in circulating or injecting
behind 5-1/2" - 5045' - 5043', 4944', 4843',
4735', 4640', 4540', 4440'. Set cement plug
inside 3-1/2" and across perforations. TOC 4189'

Cast Iron Bridge plug at 5050'

5-1/2" 17# casing @ 5072'
- 5-1/2" x 7" Midget packer set 5045' SLM
- 48 bags Aquagel and 5 bales Fibertex, est. top 4730'

3-1/2" 9.2# casing @ 5195'
- Type A3 Camco SSSV and Camco type G slip stop ran
5130', maybe removed in 2000' or pushed to bttm
- 3" x 5" x 32' Combination wall and anchor packer
- Cemented with 206 sx.

Tagged TD 5205'

04/12/2024

Columbia Gas Transmission, LLC

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



March 25, 2024

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

Enclosed are post well plugging and abandonment permit applications for the following Columbia Gas Transmission storage well:

Coco B 7097 (API 47-039-01259)

If you have questions, feel free to call.

Regards,

A handwritten signature in black ink, appearing to read "M Medvedeva", written in a cursive style.

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

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