

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: Fern M. Williams Operator Well No.: Lanham 7144

LOCATION: Elevation: 593.9' Quadrangle: Pocatalico, WV
District: Union County: Kanawha
Latitude: 8638 Feet South of 38 Deg. 30 Min. 00 Sec.
Longitude: 2272 Feet West of 81 Deg. 42 Min. 30 Sec.

Well Type: OIL _____ GAS X

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Office of Oil and Gas
JUL 10 2023
WV Department of Environmental Protection

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 01.12.2023 or Owner _____

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 22nd day of May, 2023, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
15.6 ppg Class A Cement	1509	1426	2-3/8"	openhole
15.6 ppg Class A Cement	1426	1412	2-3/8"	5-1/2
15.6 ppg Class A Cement	1412	1279	2-3/8"	5-1/2, 8-5/8
Cast Iron Bridge Plug	1279	1279	2-3/8"	5-1/2, 8-5/8
15.6 ppg Class A Cement	1279	1230	2-3/8"	5-1/2, 8-5/8
Cement Retainer	1230	1230	2-3/8"	5-1/2, 8-5/8
15.6 ppg Class A Cement	1230	236	2-3/8"	5-1/2, 8-5/8

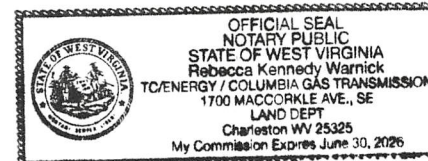
See additional plugging data.

Description of monument: 7" casing, 4' above ground level, API number affixed and that the work of plugging and filling said well was completed on the 13th day of June, 2023.

And further deponents saith not. Nathan Salyers
Maria Medvedeva

Sworn and subscribe before me this 3rd day of July, 2023

My commission expires: 6/30/26
Rebecca Kennedy Warnick
Notary Public



Affidavit reviewed by the Office of Oil and Gas: Amey Mula 7-5-23 Title: Inspector 07/21/2023



TYPE	FROM	TO	PIPE REMOVED	LEFT
15.6 ppg Class A Cement	236	39	2-3/8"	5-1/2, 8-5/8, 10-3/4
15.6 ppg Class A Cement	39	0	2-3/8"	5-1/2, 8-5/8, 10-3/4, 13-3/8
* Note - topped off all annuluses with cement from surface				
** Note – refer to attached wellbore diagram for additional wellbore details				

Samuel Miller
7.5.23

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~ not to scale ~

Lanham 7144

Prior to P&A

(as of 07/28/2022)

Sea Level @ 594 ft

Red Rock 10 - 25'
River Sand 25 - 60' water show at 50'
Red Rock 70 - 90'
Slate / Sand 90 - 396'
Sand 396 - 445' water show at 415'

Calculated TOC at surface based on volumetric calculations

13-3/8" 48# casing @ 39'
- No cement record

10-3/4" 32.75# casing @ 236'
- No cement record

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Light grey fill indicates originally installed cement

8-5/8" 28# csg @ 1412'
- No cement record

5-1/2" 17# casing @ 1426'
- Cemented with 250 sx

2-3/8" 4.6# J-55 tubing @ 1509'

Slate / Sand 945 - 1410' hole full water @ 955'
Big Lime 1410 -1509' (gas storage)

TD 1509'

07/21/2023

~ not to scale ~

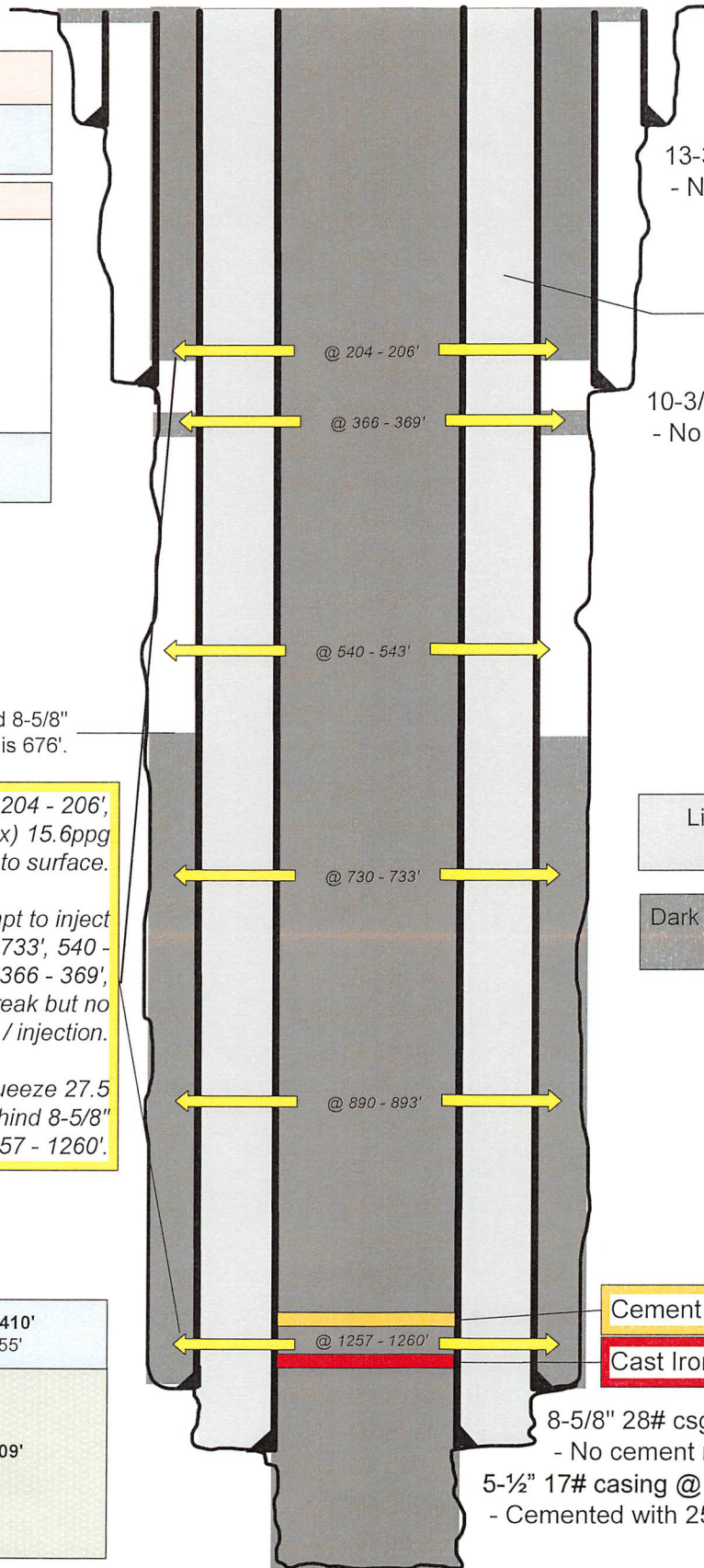
Lanham 7144

Post P&A

(as of 06/13/2023)

Sea Level @ 594 ft

Red Rock 10 - 25'
River Sand 25 - 60' water show at 50'
Red Rock 70 - 90'
Slate / Sand 90 - 396'
Sand 396 - 445' water show at 415'



13-3/8" 48# casing @ 39'
- No cement record

Top of cement per CBL and
freepoint @

10-3/4" 32.75# casing @ 236'
- No cement record

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Volumetric TOC behind 8-5/8"
csg is 676'.

Shot 12 perfs from 204 - 206',
pump 19.6 bbls (93 sx) 15.6ppg
Class A, 18 bbls to surface.

Shot 12 perf / attempt to inject
from 890 - 893', 730 - 733', 540 -
543' w/ no leakoff. Perf 366 - 369',
observe a pressure break but no
circulation / injection.

Shoot 12 perfs / squeeze 27.5
bbls (131 sx) cement behind 8-5/8"
from 1257 - 1260'.

Light grey fill indicates originally
installed cement

Dark grey fill indicates cement installed
during P&A operations

Slate / Sand 945 - 1410' hole full water @ 955'
Big Lime 1410 -1509' (gas storage)

Cement Retainer @ 1230'

Cast Iron Bridge Plug @ 1279'

8-5/8" 28# csg @ 1412'
- No cement record

5-1/2" 17# casing @ 1426'
- Cemented with 250 sx

TD 1509'

07/21/2023

Columbia Gas Transmission, LLC

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



July 10, 2023

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:

Lanham 7144 (API 47-039-01552)

If you have questions, feel free to call.

Regards,

A handwritten signature in black ink, appearing to read "Maria 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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