

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: Minerals Manag Ln Operator Well No.: Glady 7427

LOCATION: Elevation: 3126' Quadrangle: Glady, WV
District: Dry Forks County: Randolph
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Well Type: OIL _____ GAS X

Company	<u>Columbia Gas Transmission, LLC</u>	Coal Operator	<u>Not operated</u>
	<u>1700 MacCorkle Avenue S.E.</u>	or Owner	_____
	<u>Charleston, WV 25314</u>		_____
Agent	<u>Maria Medvedeva</u>	Coal Operator	_____
		or Owner	_____
Permit Issued Date	<u>12/20/22</u>		_____

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Office Of Oil and Gas

JUL 18 2023

WV Department of
Environmental Protection

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Randolph ss:

Maria Medvedeva and Steve Simmons 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 19th day of May, 2023, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Plugback Material	6930	6616	N/A	7"
15.6 ppg Class A Cement	6616	5997	N/A	7"
Cast Iron Bridge Plug	5997	5997	N/A	7"
15.6 ppg Class A Cement	5997	1200	N/A	7"
15.6 ppg Class A Cement	1200	868	7"	7"
15.6 ppg Class A Cement	868	33	7"	7", 10-3/4"
15.6 ppg Class A Cement	33	0	7"	7", 10-3/4", 13-3/8"

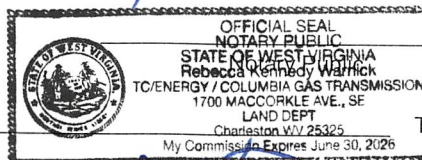
Description of monument: 7" casing, 4' above ground level, API number affixed and that the work of plugging and filling said well was completed on the 15th day of June, 2023.

And further deponents saith not. Steve Simmons

Maria Medvedeva

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

My commission expires: 6/30/26



Affidavit reviewed by the Office of Oil and Gas: _____

Sam J. Smith

* Note - topped off all annuli with cement from surface
** Note - refer to attached wellbore diagram for additional wellbore details

Rebecca Kennedy Warlick

Title: Inspector 08/11/2023

~ not to scale ~

GLADY 7427

Prior to P&A

(as of 03/18/2022)

* Fresh water show at 70'

Sea level ~3226'
(Google Earth)

13-3/8" 48# csg @ 33'
(cemented, but there is no record of the amount)

10-3/4" 32# csg @ 868'
(250 sx cement, cement at surface)

Light grey fill indicates cement installed during well drilling in 1959.

Sand / Shale / Lime
0 - 5210'

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Calculated cement top estimated @ 4934'

- Tully Lime 5847 - 5860'
- Onondaga Lime 6210 - 6260'
- Huntersville Chert 6260 - 6338', 6440 - 6465', 6501 - 6652'
- Oriskany 6652 - 6860' (SW reported, plugback)
- Helderberg Lime 6860 - 6930'

Perf interval in Chert, 6285 - 6567' w/ 160 shots

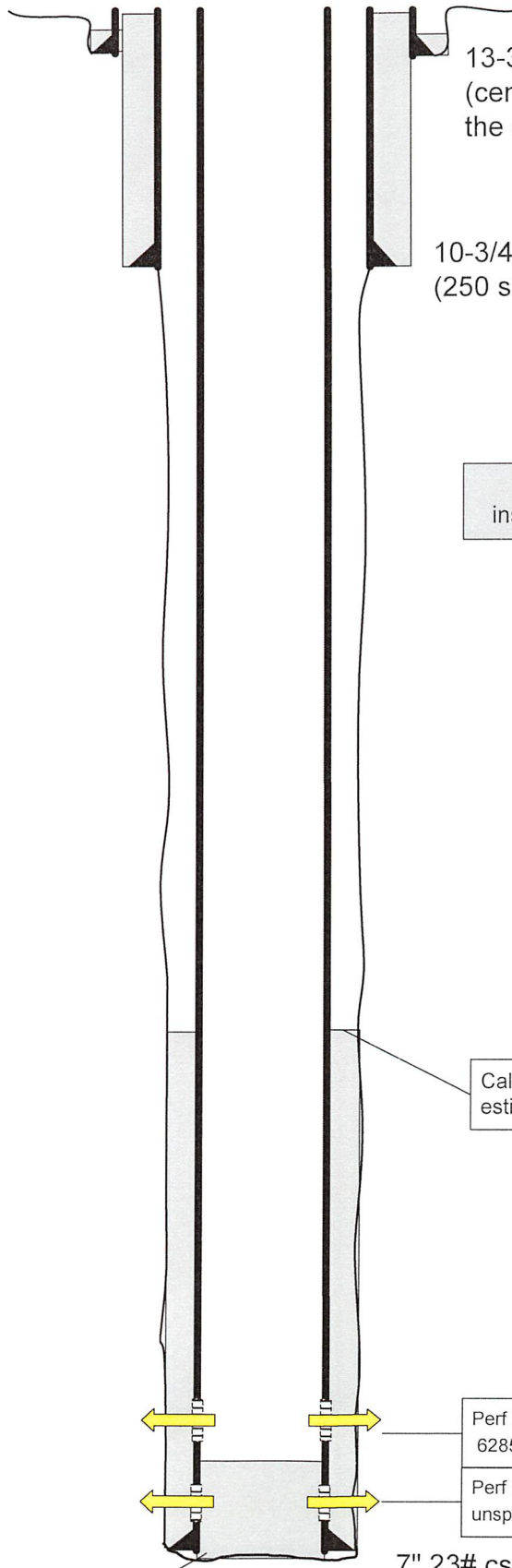
Perf interval in Oriskany, unspecified in well records

7" 23# csg @ 6930'
(250 sx cement)

Plugback Oriskany to 6640'

PBTD 6640'
TD 6930'

08/11/2023



~ not to scale ~

GLADY 7427

Post P&A

(as of 06/15/2023)

* Fresh water show at 70'

Sea level ~3226'
(Google Earth)

13-3/8" 48# csg @ 33'
(cemented, but there is no record of the amount)

10-3/4" 32# csg @ 868'
(250 sx cement, cement at surface)

Cut and pull 7" casing from 1200'

CBL ran 05/30/23 indicated strung out cement to ~1250'

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Sand / Shale / Lime
0 - 5210'

Light grey fill indicates cement installed during well drilling in 1959.

Dark grey fill indicates cement installed during P&A operations

Tully Lime 5847 - 5860'

Onodaga Lime 6210 - 6260'

Huntersville Chert
6260 - 6338', 6440 - 6465'
6501 - 6652'

Oriskany 6652 - 6860'
(SW reported, plugback)

Helderberg Lime 6860 - 6930'

Cast Iron Bridge plug @ 5997'

Perf interval in Chert,
6285 - 6567' w/ 160 shots

Perf interval in Oriskany,
unspecified in well records

Records indicated plugged back Oriskany to 6640'. Found hard bottom at 6616' during P&A

PBTD 6616'
TD 6930'

7" 23# csg @ 6930'
(250 sx cement)

08/11/2023

(ELKINS)



GLADY QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(HARMAN)

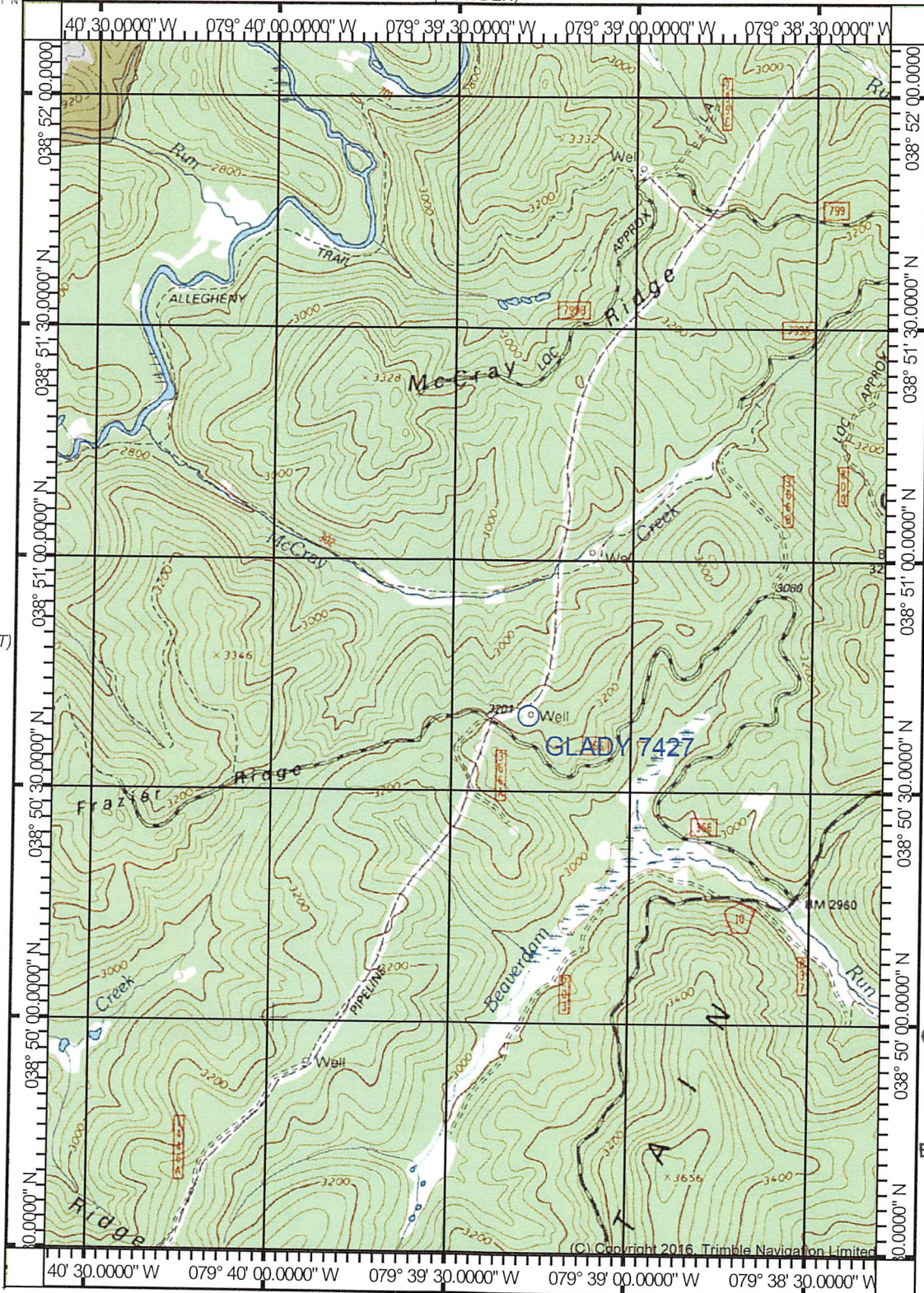
079° 40' 36.6057" W
038° 52' 06.9111" N

(BOWDEN)

079° 38' 17.3024" W
038° 52' 06.9111" N

(BEVERLY EAST)

(WHITMER)



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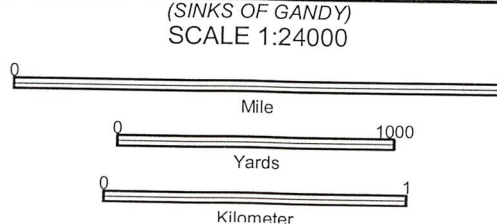
(WILDELL)

(SPRUCE KNOB)

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 12M N and
19M E



Printed: Tue May 24, 2022

079° 38' 17.3024" W
038° 49' 29.1327" N

38079-G5-TM-024

GLADY, WV

JAN 1, 1998

08/11/2023

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-083-00109 WELL NO.: 7427

FARM NAME: Monongia National Forest

RESPONSIBLE PARTY NAME: Columbia Gas Transmission, LLC

COUNTY: Randolph DISTRICT: Dry Fork

QUADRANGLE: Glady, WV

SURFACE OWNER: US Dept of Interior (managed by USFS)

ROYALTY OWNER: US Dept of Interior (storage lease)

UTM GPS NORTHING: 4300373.163 m

UTM GPS EASTING: 616739.976 m GPS ELEVATION: 982.842 m 3224'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Signature Title Date

08/11/2023

Columbia Gas Transmission, LLC

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



July 17, 2023

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

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

Glady 7427 (API 47-083-00109)

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