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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, April 13, 2022  
WELL WORK PLUGGING PERMIT  
Horizontal 6A Plugging

EQT PRODUCTION COMPANY  
625 LIBERTY AVE., SUITE 1700  
PITTSBURGH, PA 15222

Re: Permit approval for WEU4H5  
47-095-02506-00-00

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: WEU4H5  
Farm Name: DONNA J. PETER  
U.S. WELL NUMBER: 47-095-02506-00-00  
Horizontal 6A Plugging  
Date Issued: 4/13/2022

Promoting a healthy environment.

04/15/2022

## 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

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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.

4709502506P

- 1) Date February 7, 2022
- 2) Operator's Well No. WEU4H5
- 3) API Well No. 47-095 - 02506

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 \_\_\_) Deep \_\_\_ / Shallow X
  
- 5) Location: Elevation 1079' Watershed Tributary of Camp Mistake Run  
District Centerville County Tyler Quadrangle West Union 7.5'
  
- 6) Well Operator EQT Production Company 7) Designated Agent Joseph C. Mallow  
Address 400 Woodcliff Drive Address 115 Professional Place  
Canonsburg PA 15317 Bridgeport WV 26330
  
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Douglas Newlon Name R&J  
Address Douglas.C.Newlon@wv.gov Address 1087 Raccoon Rd  
(304) 932-8049 Hueysville, KY 41640

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See Attachment for details and procedures.**

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

Work order approved by inspector Douglas Newlon Date 2/8/2022

04/15/2022



Weu4 5H  
 Tyler Co., WV  
 HZ Marcellus well  
 API # 47-095-02506  
 BY: Tyler Mizgorski  
 DATE: 10/13/2021

**CURRENT STATUS:**

Elevation @ 1079'  
 26" conductor @ 53' Cemented to Surface  
 13 3/8" casing @ 756' Cemented to Surface  
 9 5/8" casing @ 2,868' Cemented to Surface  
 5 1/2" casing @ 11,590' Cemented to -4000'  
 Production Casing: 3800 psi  
 Production Annulus: 380 psi  
 Intermediate Annulus: 22 psi

Well Not Completed

Fresh water @ 132, 175, 186, 204

Salt water @ 1128, 1219, 1222

Coal Show @ 233, 285, 700

Gas Storage Zone @ 1992-2014

*DOUG NEWLOW 304-932-8049*

- 1) Notify Inspector ~~Derrick Haught 304-206-7613~~ prior to beginning operations.
- 2) Check and record pressure on all casings, notify Engineer of recorded pressures.
- 3) Install 10k wireline BOP. Test BOP's and stack to regs. P/U install 10k lubricator. (Call 8hrs before, will need crane truck)
- 4) Equalize lubricator, if necessary and RIH w/ wireline to top of marcellus at 6898' and set a CIBP above the Marcellus @ 6,878' MD. If unable to get to set depth, EQT office will call DEP to discuss options.
- 5) Hook up pump truck and pressure test lines to 8000 psi. (Call pump truck 8hrs before)
- 6) POOH w/ wireline and load well with 6% gel if not full. Perform CIT with pump truck to 2000 psi. Ensure leak-off is not more than 10% in thirty minutes per regulation.
- 7) RIH and set second CIBP 10' above the first
- 8) POOH w/ wireline and load well with 6% gel if not full. Perform CIT with pump truck to 2000 psi. Ensure leak-off is not more than 10% in thirty minutes per regulation.
- 9) RIH with Renegade segmented bond log and pull log from CIBP to surface
- 10) TIH with tubing to CIBP.
- 11) Pump 1500' Class A cement plug. 6,868' to 5,368' Pump 500' of cement and pull 500' of tubing 2 times. Pump last 500' section and pull tubing 300' and reverse circulate full hole volume. TOOH 300'
- 12) Let cement dry for 8 hours and tag top of cement. If cement top is at 5,368' or close POOH with tubing
- 13) Free Point 5 1/2" casing. Cut Casing @freepoint - 3,950' using jet cutter. Estimated freepoint @4000'. TOOH 5 1/2" Casing.
- 14) Set a 300' C1A Cement plug 100'in/200' out of casing cut 4,050' to 3,750' pull tubing 300' and reverse circulate full hole volume. TOOH 300'
- 15) Let cement dry for 8 hours.
- 16) RIH and tag cement at 3750' if at proper depth or close pump 6% GEL from 3750' to surface. Pull out of hole to 2968' and set a 300' C1A cement plug 2,968' to 2,668'. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH 300' with tubing. (9 5/8" casing seat).
- 17) Let cement dry for 8 hours. Check TD. If top of cement is at 2,668' or close TOOH with tubing.
- 18) TIH with wireline and set CIBP @ 2,650' TOOH with wireline
- 19) TIH with tubing to 2115'. Set a 300' C1A cement plug 2115' to 1815'. TOOH 300' Reverse circulate full hole volume. TOOH 300' (Safety Plug)
- 20) Let cement dry for 8 hours.
- 21) TIH with tubing to 1815' if cement top is at 1815' or close TOOH to 1080' set 430' C1A plug 1080' to 650' TOOH and let cure 8 hours. (Elevation, Coal, and 13 3/8" casing seat)
- 22) TIH with tubing and check TD. IF at 655' or close POOH to 350' and set C1A plug 350' to surface (Coal, Freshwater, and surface plug)
- 23) Reclaim location and Set Monument above ground to WV-DEP Specifications

WR-35  
Rev. 8/23/13

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47-095-02506 County Tyler District Centerville  
 Quad West Union Pad Name WEU4 Field/Pool Name N/A  
 Farm name Donna J Peter Well Number WEU4H5 (512894)  
 Operator (as registered with the OOG) EQT Production Company  
 Address 400 Woodcliff Drive City CANONSBURG State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
 Top hole Northing 4,357,462.98 Easting 515,455.05  
 Landing Point of Curve Northing 4,357,404.61 Easting 515,601.55  
 Bottom Hole Northing 4,356,173.58 Easting 516,202.91

Elevation (ft) 1079' GL Type of Well  New  Existing Type of Report  Interim  Final  
 Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
 Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
 Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
 Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
 Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
 Production hole  Air  Mud  Fresh Water  Brine

Mud Type(s) and Additive(s) 12.0 ppg Synthetic Base : Mud Barium Sulfate (Mil-Bar 410), Synthetic Base Oil (Next-Base), Calcium Chloride, Bentonite Clay (Carbo-Gel II), Polymerized Fatty Acid Emulsifier(Carbo-Tec and Next-Mul HT), Lime, Walnut Shells Cellulosic Material (Chek-Loss, LCM), Calcium Carbonate (Mil-Carb), Gilsonite (Ecco-Blok)

Date permit issued 8/3/2018 Date drilling commenced 10/7/2018 Date drilling ceased 1/30/2019  
 Date completion activities began \_\_\_\_\_ Date completion activities ceased \_\_\_\_\_  
 Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 132, 175, 186, 204 Open mine(s) (Y/N) depths N  
 Salt water depth(s) ft 1128, 1219, 1222 Void(s) encountered (Y/N) depths N  
 Coal depth(s) ft 232, 285, 700 Cavern(s) encountered (Y/N) depths N  
 Is coal being mined in area (Y/N) N

Reviewed by: \_\_\_\_\_

04/15/2022

WR-35  
Rev. 8/23/13

API 47-095 - 02506 Farm name Donna J Peter Well number WEU4H5 (512894)

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	26"	53'	NEW	A-500 85.6#	N/A	Y
Surface	17-1/2"	13-3/8"	756'	NEW	J-55 54.5#	204	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2868'	NEW	A-500 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5 1/2"	11590'	NEW	P-110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	100	15.6	1.18	118	0	8+
Surface	CLASS A	742	16	1.13	838	0	22.8
Coal							
Intermediate 1	CLASS H	1144	16.8	1.02	1166	0	22.1
Intermediate 2							
Intermediate 3							
Production	CLASS A	1585	15.6	1.23	1950	4000	+72
Tubing							

Drillers TD (ft) 11,599' MD Loggers TD (ft) N/A

Deepest formation penetrated MARCELLUS Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 5510 MD

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No  Conventional  Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING CONDUCTOR: NONE

SURFACE: on shoe joint and less than every 150' and within 100' from surface.

INTERMEDIATE: On shoe joint and less than every 150' and within 100' from surface.

PRODUCTION: 156 Composite bodied centralizers on every joint from TD up to 5501' MD

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_









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Rev. 8/23/13

API 47- 095 - 02506 Farm name Donna J Peter Well number WEU4H5 (512894)

Drilling Contractor Falcon Drilling Company LLC  
Address P.1120 Rt 119 Hwy North City Indiana State PA Zip 15701

Logging Company Gyrodata Inc.  
Address 73 Noblestown Road City Carnegie State PA Zip 15106

Logging Company Scientific Drilling International  
Address 124 Vista Drive City Charleroi State PA Zip 15022

Cementing Company Universal  
Address 13549 S. Mosiertown Rd City Meadville State PA Zip 16335

Cementing Company Halliburton  
Address 121 Champion Way Ste 110 City Canonsburg State PA Zip 15317

API 47-095-02506

Formation Name	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Top (TVD) (ftKB)	Drill Btm (TVD) (ftKB)
FRESH WATER ZONE	0	204	0	204
SAND/SHALE	0	235	0	235
COAL	235	237	235	237
SAND/SHALE	237	286	237	286
COAL	286	290	286	290
SAND/SHALE	290	701	290	701
COAL	701	705	701	705
SAND/SHALE	705	1843	705	1837
MAXTON	1843	2042	1837	2035
SAND/SHALE	2042	2116	2035	2108
BIG LIME	2116	2400	2108	2392
SAND/SHALE	2400	2408	2392	2400
WEIR	2408	2455	2400	2447
SAND/SHALE	2455	2495	2447	2487
GANTZ	2495	2512	2487	2504
SAND/SHALE	2512	2609	2504	2601
FIFTY FOOT	2609	2664	2601	2656
SAND/SHALE	2664	2695	2656	2687
THIRTY FOOT	2695	2749	2687	2741
SAND/SHALE	2749	2775	2741	2767
GORDON	2775	2820	2767	2812
SAND/SHALE	2820	2846	2812	2838
FORTH SAND	2846	2908	2838	2900
SAND/SHALE	2908	2959	2900	2951
FIFTH SAND	2959	2972	2951	2964
SAND/SHALE	2972	3016	2964	3008
BAYARD	3016	3153	3008	3145
SAND/SHALE	3153	3379	3145	3371
WARREN	3379	3445	3371	3437
SAND/SHALE	3445	3465	3437	3457
SPEECHLEY	3465	3579	3457	3571
SAND/SHALE	3579	3981	3571	3973
BALLTOWN A	3981	4093	3973	4085
SAND/SHALE	4093	4579	4085	4571
RILEY	4579	4869	4571	4861
SAND/SHALE	4869	5000	4861	4992
BENSON	5000	5063	4992	5055
SAND/SHALE	5063	5247	5055	5239
ALEXANDER	5247	5329	5239	5321
ELKS	5329	6390	5321	6277
SONYEA	6390	6554	6277	6410
MIDDLESEX	6554	6616	6410	6455
GENESE	6616	6744	6455	6535
GENESE	6744	6797	6535	6563
TULLY	6797	6856	6563	6589
HAMILTON	6856	6898	6589	6604
MARCELLUS	6898	11599	6604	6637



API 47-095-02506

# Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'

Page 1 of 8



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Jacostec
Scale	0.999951	Report Generated	2/4/2019 at 2:30:00 PM
Convergence at slot	0.84° West	Database/Source file	WA_MPL_EASTERNUS_Defn/WEU4_512894_AWP_Proj_11599_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-139.98	53.92	1626596.43	318308.32	39°21'59.070"N	80°49'14.741"W
Facility Reference Pt			1626542.51	318448.29	39°22'00.446"N	80°49'15.454"W
Field Reference Pt			609601.22	0.00	38°23'48.753"N	84°21'09.765"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Precision 539 (RKB) to Facility Vertical Datum	1097.00ft
Horizontal Reference Pt	Slot	Precision 539 (RKB) to Mean Sea Level	1097.00ft
Vertical Reference Pt	Precision 539 (RKB)	Precision 539 (RKB) to Ground Level at Slot (Slot 512894)	18.00ft
MD Reference Pt	Precision 539 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	150.88°

4709502506P





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Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

WELLPATH DATA (133 stations) † = interpolated/extrapolated station															
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
0.00†	0.000	60.050	0.00	0.00	0.00	0.00	1626596.43	318308.32	39°21'59.070"N	80°49'14.741"W	0.00	0.000	0.00	0.00	0.00
18.00	0.000	60.050	18.00	0.00	0.00	0.00	1626596.43	318308.32	39°21'59.070"N	80°49'14.741"W	0.00	0.000	0.00	0.00	0.00
105.00	0.370	60.050	105.00	0.00	0.14	0.24	1626596.67	318308.46	39°21'59.072"N	80°49'14.738"W	0.28	60.050	0.43	0.43	89.02
205.00	0.350	61.620	205.00	0.00	0.45	0.79	1626597.22	318308.77	39°21'59.075"N	80°49'14.731"W	0.91	80.577	0.02	-0.02	1.57
305.00	0.370	69.270	305.00	0.05	0.71	1.36	1626597.79	318309.03	39°21'59.077"N	80°49'14.724"W	1.53	62.607	0.05	0.02	7.85
405.00	0.440	82.700	404.99	0.24	0.87	2.05	1626598.48	318309.19	39°21'59.079"N	80°49'14.715"W	2.22	66.978	0.12	0.07	13.43
505.00	0.490	87.110	504.99	0.57	0.94	2.85	1626599.28	318309.26	39°21'59.080"N	80°49'14.705"W	3.00	71.775	0.06	0.05	4.41
605.00	0.660	97.290	604.98	1.10	0.89	3.85	1626600.28	318309.21	39°21'59.080"N	80°49'14.692"W	3.95	77.018	0.20	0.17	10.18
705.00	0.680	97.550	704.98	1.79	0.74	5.01	1626601.44	318309.06	39°21'59.078"N	80°49'14.678"W	5.07	81.634	0.02	0.02	0.26
805.00	0.440	111.390	804.97	2.45	0.52	5.96	1626602.39	318308.84	39°21'59.076"N	80°49'14.666"W	5.98	85.021	0.27	-0.24	13.84
905.00	3.430	240.390	904.92	2.77	-1.10	3.71	1626600.14	318307.22	39°21'59.060"N	80°49'14.694"W	3.87	106.499	3.72	2.99	129.00
1005.00	8.080	232.900	1004.39	3.77	-6.82	-4.50	1626591.93	318301.50	39°21'59.002"N	80°49'14.797"W	8.17	213.404	4.70	4.65	-7.49
1105.00	8.190	231.530	1103.38	5.90	-15.49	-15.68	1626580.75	318292.83	39°21'58.915"N	80°49'14.936"W	22.04	225.348	0.22	0.11	-1.37
1205.00	6.620	233.130	1202.54	7.84	-23.38	-25.87	1626570.56	318284.94	39°21'58.835"N	80°49'15.066"W	34.87	227.892	1.58	-1.57	1.60
1305.00	5.210	240.270	1302.01	8.86	-29.09	-34.42	1626562.01	318279.23	39°21'58.778"N	80°49'15.174"W	45.07	229.798	1.59	-1.41	7.14
1405.00	5.930	234.600	1401.54	9.28	-34.34	-42.58	1626553.86	318273.99	39°21'58.725"N	80°49'15.277"W	54.70	231.116	0.91	0.72	-5.67
1505.00	5.770	222.780	1501.02	11.40	-41.02	-50.20	1626546.23	318267.30	39°21'58.658"N	80°49'15.373"W	64.83	230.749	1.21	-0.16	-11.82
1605.00	6.540	218.190	1600.44	15.16	-49.18	-57.14	1626539.30	318259.14	39°21'58.576"N	80°49'15.459"W	75.39	229.278	0.91	0.77	-4.59
1705.00	7.640	223.360	1699.68	19.36	-58.49	-65.22	1626531.21	318249.83	39°21'58.483"N	80°49'15.561"W	87.61	228.114	1.27	1.10	5.17
1805.00	6.710	228.160	1798.90	22.65	-67.22	-74.14	1626522.30	318241.10	39°21'58.395"N	80°49'15.673"W	100.08	227.800	1.11	-0.93	4.79
1905.00	6.770	228.270	1898.20	25.22	-75.04	-82.89	1626513.55	318233.28	39°21'58.317"N	80°49'15.782"W	111.81	227.843	0.06	0.06	0.12
2005.00	4.990	230.430	1997.67	27.30	-81.74	-90.64	1626505.79	318226.59	39°21'58.249"N	80°49'15.880"W	122.05	227.956	1.79	-1.78	2.16
2105.00	2.560	245.510	2097.45	27.91	-85.44	-96.03	1626500.41	318222.89	39°21'58.212"N	80°49'15.948"W	128.53	228.340	2.60	-2.43	15.08
2205.00	1.080	290.810	2197.40	27.01	-86.03	-98.94	1626497.50	318222.30	39°21'58.208"N	80°49'15.985"W	131.11	228.994	1.96	-1.48	45.30
2305.00	0.560	347.980	2297.39	25.82	-85.21	-99.92	1626496.51	318223.11	39°21'58.214"N	80°49'15.997"W	131.32	229.542	0.91	-0.52	57.17
2405.00	0.780	95.030	2397.39	25.73	-84.80	-99.35	1626497.09	318223.53	39°21'58.218"N	80°49'15.990"W	130.61	229.518	1.09	0.22	107.05
2505.00	0.840	97.060	2497.38	26.55	-84.95	-97.94	1626498.49	318223.38	39°21'58.217"N	80°49'15.972"W	129.65	229.064	0.07	0.06	2.03
2605.00	0.450	139.150	2597.37	27.36	-85.33	-96.96	1626499.48	318222.99	39°21'58.213"N	80°49'15.960"W	129.16	228.648	0.59	-0.39	42.09
2705.00	0.360	171.320	2697.37	28.04	-85.94	-96.65	1626499.78	318222.38	39°21'58.207"N	80°49'15.956"W	129.33	228.358	0.24	-0.09	32.17
2805.00	0.370	173.440	2797.37	28.64	-86.57	-96.57	1626499.87	318221.75	39°21'58.201"N	80°49'15.954"W	129.69	228.124	0.02	0.01	2.12

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# Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

## WELLPATH DATA (133 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2905.00	0.380	173.100	2897.37	29.24	-87.22	-96.49	1626499.94	318221.10	39°21'58.194"N	80°49'15.953"W	130.07	227.889	0.01	0.01	-0.34
3005.00	0.340	188.220	2997.37	29.78	-87.84	-96.49	1626499.94	318220.48	39°21'58.188"N	80°49'15.953"W	130.49	227.686	0.10	-0.04	15.12
3105.00	0.360	185.650	3097.36	30.28	-88.45	-96.57	1626499.87	318219.87	39°21'58.182"N	80°49'15.954"W	130.95	227.512	0.03	0.02	-2.57
3205.00	0.380	189.330	3197.36	30.79	-89.09	-96.65	1626499.78	318219.23	39°21'58.176"N	80°49'15.955"W	131.45	227.331	0.03	0.02	3.68
3305.00	0.280	196.720	3297.36	31.22	-89.65	-96.78	1626499.65	318218.68	39°21'58.170"N	80°49'15.957"W	131.92	227.192	0.11	-0.10	9.39
3405.00	0.240	220.290	3397.36	31.46	-90.04	-97.00	1626499.44	318218.28	39°21'58.166"N	80°49'15.959"W	132.35	227.130	0.10	-0.04	21.57
3505.00	0.290	238.950	3497.36	31.54	-90.33	-97.35	1626499.08	318217.99	39°21'58.163"N	80°49'15.964"W	132.80	227.142	0.10	0.05	18.66
3605.00	0.230	242.100	3597.36	31.54	-90.56	-97.74	1626498.69	318217.77	39°21'58.161"N	80°49'15.969"W	133.24	227.186	0.06	-0.06	3.15
3705.00	0.280	235.840	3697.36	31.56	-90.79	-98.12	1626498.31	318217.54	39°21'58.159"N	80°49'15.973"W	133.68	227.224	0.06	0.05	-6.26
3805.00	0.230	231.660	3797.36	31.61	-91.05	-98.48	1626497.95	318217.28	39°21'58.156"N	80°49'15.978"W	134.12	227.247	0.05	-0.05	-4.16
3905.00	0.240	224.090	3897.35	31.71	-91.32	-98.79	1626497.85	318217.00	39°21'58.153"N	80°49'15.982"W	134.53	227.248	0.03	0.01	-7.57
4005.00	0.380	86.910	3997.35	31.91	-91.46	-98.60	1626497.83	318216.87	39°21'58.152"N	80°49'15.979"W	134.49	227.153	0.58	0.14	-137.18
4105.00	0.370	112.230	4097.35	32.31	-91.56	-97.97	1626498.46	318216.76	39°21'58.151"N	80°49'15.971"W	134.10	226.938	0.16	-0.01	25.32
4205.00	0.260	148.750	4197.35	32.79	-91.88	-97.55	1626498.88	318216.45	39°21'58.148"N	80°49'15.966"W	134.01	226.717	0.22	-0.11	36.52
4305.00	0.260	165.350	4297.35	33.24	-92.29	-97.38	1626499.06	318216.04	39°21'58.144"N	80°49'15.964"W	134.16	226.537	0.08	0.00	16.80
4405.00	0.260	162.030	4397.35	33.68	-92.72	-97.25	1626499.18	318215.60	39°21'58.140"N	80°49'15.962"W	134.37	226.365	0.02	0.00	-3.32
4505.00	0.280	171.300	4497.35	34.13	-93.18	-97.15	1626499.29	318215.14	39°21'58.135"N	80°49'15.961"W	134.61	226.193	0.05	0.02	9.27
4605.00	0.370	179.880	4597.35	34.64	-93.75	-97.11	1626499.33	318214.58	39°21'58.130"N	80°49'15.960"W	134.98	226.009	0.10	0.09	8.58
4705.00	0.650	176.880	4697.34	35.43	-94.64	-97.08	1626499.36	318213.69	39°21'58.121"N	80°49'15.959"W	135.57	225.729	0.28	0.28	-3.00
4805.00	0.740	177.170	4797.33	36.52	-95.85	-97.01	1626499.42	318212.48	39°21'58.109"N	80°49'15.958"W	136.38	225.346	0.09	0.09	0.29
4905.00	0.590	175.910	4897.33	37.57	-97.01	-96.94	1626499.49	318211.32	39°21'58.098"N	80°49'15.957"W	137.14	224.982	0.15	-0.15	-1.26
5005.00	0.440	156.820	4997.32	38.42	-97.87	-96.76	1626499.68	318210.45	39°21'58.089"N	80°49'15.955"W	137.63	224.672	0.23	-0.15	-19.09
5105.00	0.510	127.980	5097.32	39.21	-98.50	-96.25	1626500.18	318209.83	39°21'58.083"N	80°49'15.948"W	137.72	224.340	0.25	0.07	-28.84
5205.00	1.380	106.930	5197.31	40.48	-99.12	-94.75	1626501.68	318209.20	39°21'58.077"N	80°49'15.929"W	137.13	223.708	0.92	0.87	-21.05
5305.00	1.570	106.060	5297.27	42.32	-99.85	-92.28	1626504.15	318208.47	39°21'58.070"N	80°49'15.897"W	135.97	222.744	0.19	0.19	-0.87
5405.00	1.520	104.360	5397.24	44.21	-100.56	-89.68	1626506.75	318207.76	39°21'58.063"N	80°49'15.864"W	134.74	221.727	0.07	-0.05	-1.70
5484.00	1.310	106.950	5476.21	45.58	-101.08	-87.80	1626508.83	318207.24	39°21'58.059"N	80°49'15.840"W	133.89	220.978	0.28	-0.27	3.28
5493.00	1.250	107.950	5485.21	45.72	-101.14	-87.61	1626508.82	318207.18	39°21'58.058"N	80°49'15.838"W	133.81	220.899	0.71	-0.67	11.11
5557.00	4.460	29.080	5549.14	44.92	-99.18	-85.74	1626510.70	318209.14	39°21'58.078"N	80°49'15.814"W	131.10	220.841	6.86	5.02	-123.23
5647.00	14.450	19.300	5637.81	35.60	-85.49	-80.31	1626516.12	318222.83	39°21'58.214"N	80°49'15.748"W	117.30	223.210	11.20	11.10	-10.87

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# Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

## WELLPATH DATA (133 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
5691.00	18.810	16.190	5679.96	26.97	-73.49	-76.52	1626519.92	318234.83	39°21'58.333"N	80°49'15.702"W	106.09	226.155	10.11	9.91	-7.07
5736.00	22.290	12.240	5722.09	15.46	-58.18	-72.68	1626523.75	318250.14	39°21'58.485"N	80°49'15.656"W	93.10	231.324	8.32	7.73	-8.78
5781.00	25.760	10.460	5763.18	1.51	-40.22	-89.10	1626527.34	318268.10	39°21'58.663"N	80°49'15.613"W	79.95	239.798	7.88	7.71	-3.96
5826.00	29.100	8.740	5803.12	-14.67	-19.78	-65.66	1626530.77	318288.54	39°21'58.865"N	80°49'15.573"W	68.57	253.234	7.63	7.42	-3.82
5869.00	33.340	7.550	5839.88	-32.41	2.28	-82.52	1626533.92	318310.60	39°21'59.084"N	80°49'15.538"W	62.56	272.087	9.96	9.86	-2.77
5915.00	38.680	7.540	5877.08	-54.10	29.08	-58.97	1626537.47	318337.40	39°21'59.349"N	80°49'15.497"W	65.75	296.250	11.61	11.61	-0.02
5963.00	41.450	10.940	5913.82	-78.30	59.56	-53.98	1626542.45	318367.87	39°21'59.651"N	80°49'15.440"W	80.38	317.811	7.35	5.77	7.08
6005.00	37.840	16.350	5946.16	-97.99	85.58	-47.71	1626548.72	318393.90	39°21'59.909"N	80°49'15.365"W	97.99	330.860	11.89	-8.60	12.88
6058.00	34.200	26.590	5989.06	-117.80	114.54	-36.46	1626559.98	318422.85	39°22'00.197"N	80°49'15.227"W	120.20	342.345	13.26	-6.87	19.32
6094.00	32.970	34.090	6019.06	-127.92	131.71	-26.43	1626570.00	318440.02	39°22'00.368"N	80°49'15.102"W	124.38	348.652	12.01	-3.42	20.83
6184.00	28.280	49.340	6096.61	-143.26	165.95	3.53	1626599.96	318474.26	39°22'00.711"N	80°49'14.727"W	165.99	1.219	10.05	-5.21	16.94
6274.00	28.760	68.210	6175.85	-144.76	187.92	39.88	1626636.31	318495.23	39°22'00.933"N	80°49'14.269"W	192.11	11.982	9.99	0.53	20.97
6363.00	29.770	85.550	6253.63	-132.79	197.60	81.87	1626678.29	318505.91	39°22'01.035"N	80°49'13.736"W	213.89	22.505	9.56	1.13	19.48
6453.00	34.630	100.990	6329.89	-106.93	194.46	129.36	1626725.78	318502.77	39°22'01.011"N	80°49'13.131"W	233.55	33.633	10.58	5.40	17.16
6542.00	39.450	120.620	6401.16	-86.04	175.15	178.72	1626775.14	318483.46	39°22'00.827"N	80°49'12.499"W	250.24	45.577	14.29	5.42	22.06
6632.00	48.040	129.440	6466.18	-10.04	139.23	229.31	1626825.73	318447.54	39°22'00.480"N	80°49'11.848"W	268.27	58.735	11.69	9.54	9.80
6722.00	54.390	134.950	6522.56	56.38	92.06	281.12	1626877.54	318400.37	39°22'00.021"N	80°49'11.180"W	295.81	71.868	8.51	7.08	6.12
6811.00	62.160	140.120	6569.34	129.98	36.19	332.06	1626928.47	318344.51	39°21'59.476"N	80°49'10.521"W	334.02	83.781	10.03	8.73	5.81
6901.00	71.300	145.050	6604.88	211.69	-29.46	382.12	1626978.53	318278.86	39°21'58.835"N	80°49'09.871"W	383.26	94.408	11.33	10.16	5.48
6990.00	79.750	150.210	6627.11	297.62	-102.19	428.14	1627024.55	318206.13	39°21'58.123"N	80°49'09.272"W	440.17	108.425	11.04	9.51	5.80
7080.00	90.030	154.930	6635.11	387.08	-181.64	469.34	1627065.75	318126.69	39°21'57.343"N	80°49'08.732"W	503.26	111.157	12.55	11.41	5.24
7169.00	90.090	155.820	6635.02	475.81	-262.54	506.42	1627102.83	318045.79	39°21'56.549"N	80°49'08.245"W	570.43	117.404	1.00	0.07	1.00
7259.00	90.620	156.750	6634.46	565.40	-344.94	542.62	1627139.02	317963.40	39°21'55.740"N	80°49'07.769"W	642.98	122.444	1.19	0.59	1.03
7349.00	90.800	155.640	6633.35	655.01	-427.28	578.94	1627175.34	317881.06	39°21'54.932"N	80°49'07.291"W	719.54	126.428	1.25	0.20	-1.23
7438.00	89.940	154.430	6632.77	743.77	-507.96	616.50	1627212.90	317800.39	39°21'54.140"N	80°49'06.798"W	798.81	129.486	1.67	-0.97	-1.36
7528.00	89.290	151.840	6633.38	833.69	-588.24	657.17	1627253.57	317720.11	39°21'53.352"N	80°49'06.265"W	881.98	131.832	2.97	-0.72	-2.88
7617.00	88.950	149.960	6634.74	922.68	-665.99	700.45	1627296.84	317642.37	39°21'52.590"N	80°49'05.699"W	966.52	133.555	2.15	-0.38	-2.11
7707.00	88.950	151.180	6636.39	1012.66	-744.36	744.66	1627341.05	317564.00	39°21'51.822"N	80°49'05.122"W	1052.90	134.988	1.36	0.00	1.36
7796.00	90.220	155.430	6637.04	1101.55	-823.85	784.63	1627381.02	317484.51	39°21'51.042"N	80°49'04.598"W	1137.71	136.397	4.98	1.43	4.78
7886.00	90.620	157.580	6636.38	1191.11	-906.38	820.52	1627416.91	317401.99	39°21'50.232"N	80°49'04.126"W	1222.61	137.846	2.41	0.44	2.37

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# Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

## WELLPATH DATA (133 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]
7976.00	90.310	157.200	6635.65	1280.53	-989.45	855.14	1627451.52	317318.92	39°21'49.416"N	80°49'03.670"W	1307.77	139.165	0.53	-0.34	-0.40
8065.00	90.060	156.940	6635.36	1369.01	-1071.42	889.81	1627486.20	317238.96	39°21'48.611"N	80°49'03.213"W	1392.73	140.290	0.41	-0.28	-0.29
8155.00	90.120	154.990	6635.22	1458.65	-1153.61	926.47	1627522.85	317154.77	39°21'47.804"N	80°49'02.731"W	1479.68	141.232	2.17	0.07	-2.17
8244.00	90.090	153.500	6635.06	1547.50	-1233.77	965.14	1627551.52	317074.62	39°21'47.018"N	80°49'02.224"W	1566.42	141.965	1.67	-0.03	-1.67
8334.00	90.250	153.090	6634.79	1637.42	-1314.17	1005.58	1627601.96	316994.22	39°21'46.229"N	80°49'01.694"W	1654.76	142.577	0.49	0.18	-0.46
8424.00	90.120	152.920	6634.50	1727.35	-1394.36	1046.44	1627642.81	316914.03	39°21'45.442"N	80°49'01.159"W	1743.35	143.113	0.24	-0.14	-0.19
8513.00	90.120	153.400	6634.31	1816.28	-1473.77	1086.62	1627682.99	316834.62	39°21'44.663"N	80°49'00.632"W	1831.05	143.598	0.54	0.00	0.54
8603.00	89.780	154.130	6634.39	1906.17	-1554.50	1126.40	1627722.78	316753.90	39°21'43.871"N	80°49'00.111"W	1919.70	144.073	0.89	-0.38	0.81
8693.00	89.020	152.650	6635.33	1996.07	-1634.96	1166.71	1627763.08	316673.44	39°21'43.082"N	80°48'59.583"W	2008.56	144.488	1.85	-0.84	-1.64
8782.00	91.020	154.140	6635.30	2084.98	-1714.53	1206.57	1627802.94	316593.88	39°21'42.301"N	80°48'59.061"W	2096.52	144.865	2.80	2.25	1.67
8872.00	90.770	154.020	6633.90	2174.83	-1795.47	1245.90	1627842.27	316512.95	39°21'41.507"N	80°48'58.545"W	2185.40	145.243	0.31	-0.28	-0.13
8961.00	90.950	154.630	6632.56	2263.66	-1875.67	1284.46	1627880.82	316432.75	39°21'40.720"N	80°48'58.039"W	2273.32	145.597	0.71	0.20	0.69
9051.00	90.680	154.340	6631.28	2353.47	-1956.88	1323.22	1627919.58	316351.54	39°21'39.923"N	80°48'57.530"W	2362.27	145.934	0.44	-0.30	-0.32
9140.00	90.250	154.950	6630.56	2442.28	-2037.31	1361.33	1627957.69	316271.12	39°21'39.134"N	80°48'57.030"W	2450.27	146.249	0.84	-0.48	0.69
9230.00	90.030	156.190	6630.34	2531.97	-2119.25	1398.55	1627994.91	316189.18	39°21'38.330"N	80°48'56.541"W	2538.13	146.578	1.40	-0.24	1.38
9320.00	89.910	157.120	6630.39	2621.51	-2201.88	1434.22	1628030.57	316106.55	39°21'37.518"N	80°48'56.072"W	2627.78	146.921	1.04	-0.13	1.03
9409.00	90.280	157.650	6630.24	2709.94	-2284.03	1468.44	1628064.80	316024.40	39°21'36.711"N	80°48'55.621"W	2715.35	147.262	0.73	0.42	0.60
9499.00	90.340	156.400	6629.75	2799.42	-2366.89	1503.57	1628099.92	315941.55	39°21'35.897"N	80°48'55.158"W	2804.09	147.574	1.39	0.07	-1.39
9588.00	90.340	156.750	6629.22	2887.98	-2448.55	1538.95	1628135.30	315859.89	39°21'35.096"N	80°48'54.692"W	2892.02	147.850	0.39	0.00	0.39
9678.00	90.180	155.300	6628.82	2977.61	-2530.79	1575.52	1628171.87	315777.66	39°21'34.288"N	80°48'54.212"W	2981.13	148.096	1.62	-0.18	-1.61
9767.00	89.940	154.860	6628.72	3066.37	-2611.50	1613.02	1628209.37	315696.95	39°21'33.496"N	80°48'53.719"W	3069.49	148.298	0.56	-0.27	-0.49
9857.00	90.370	155.460	6628.48	3156.12	-2693.17	1650.83	1628247.17	315615.28	39°21'32.694"N	80°48'53.223"W	3158.86	148.493	0.82	0.48	0.67
9946.00	90.340	156.460	6627.93	3244.77	-2774.45	1687.08	1628283.43	315534.01	39°21'31.896"N	80°48'52.746"W	3247.13	148.697	1.12	-0.03	1.12
10036.00	90.430	157.870	6627.32	3334.22	-2857.39	1722.01	1628318.35	315451.07	39°21'31.082"N	80°48'52.286"W	3336.17	148.925	1.57	0.10	1.57
10126.00	89.820	157.590	6627.13	3423.58	-2940.68	1756.12	1628352.46	315367.79	39°21'30.263"N	80°48'51.836"W	3425.13	149.155	0.75	-0.68	-0.31
10215.00	89.970	155.790	6627.29	3512.12	-3022.41	1791.33	1628387.67	315286.06	39°21'29.461"N	80°48'51.373"W	3513.38	149.346	2.03	0.17	-2.02
10305.00	90.060	154.420	6627.27	3601.87	-3104.05	1829.22	1628425.55	315204.43	39°21'28.660"N	80°48'50.875"W	3602.94	149.489	1.53	0.10	-1.52
10395.00	89.880	153.650	6627.31	3691.74	-3184.96	1868.62	1628464.95	315123.52	39°21'27.866"N	80°48'50.359"W	3692.66	149.600	0.88	-0.20	-0.86
10484.00	89.820	153.940	6627.55	3780.62	-3264.81	1907.92	1628504.25	315043.67	39°21'27.082"N	80°48'49.844"W	3781.43	149.698	0.33	0.07	0.33
10574.00	89.910	153.920	6627.76	3870.49	-3345.66	1947.47	1628543.80	314962.83	39°21'26.289"N	80°48'49.325"W	3871.19	149.797	0.10	0.10	-0.02

4709502506P





# Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

WELLPATH DATA (133 stations)															
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
10663.00	89.910	153.380	6627.90	3959.39	-3425.41	1986.98	1628583.30	314883.08	39°21'25.507"N	80°48'48.807"W	3959.99	149.883	0.61	0.00	-0.61
10753.00	89.750	152.620	6628.16	4049.33	-3505.60	2027.83	1628624.16	314802.90	39°21'24.720"N	80°48'48.272"W	4049.86	149.953	0.86	-0.18	-0.84
10843.00	90.280	152.930	6628.14	4139.28	-3585.63	2069.01	1628665.33	314722.87	39°21'23.935"N	80°48'47.733"W	4139.75	150.014	0.68	0.59	0.34
10932.00	89.850	151.190	6628.04	4228.25	-3664.25	2110.71	1628707.03	314644.26	39°21'23.164"N	80°48'47.188"W	4228.69	150.057	2.01	-0.48	-1.96
11022.00	90.370	153.290	6627.87	4318.22	-3743.89	2152.62	1628748.94	314564.62	39°21'22.383"N	80°48'46.639"W	4318.62	150.102	2.40	0.58	2.33
11111.00	90.250	156.510	6627.39	4406.99	-3824.47	2190.37	1628786.69	314484.04	39°21'21.592"N	80°48'46.144"W	4407.30	150.199	3.62	-0.13	3.62
11201.00	90.430	158.010	6626.85	4496.43	-3907.47	2225.16	1628821.48	314401.05	39°21'20.777"N	80°48'45.686"W	4496.63	150.340	1.68	0.20	1.67
11291.00	90.550	158.330	6626.08	4585.70	-3991.02	2258.63	1628854.94	314317.51	39°21'19.956"N	80°48'45.244"W	4585.80	150.493	0.38	0.13	0.36
11380.00	89.940	156.620	6625.70	4674.11	-4073.22	2292.72	1628889.03	314235.31	39°21'19.149"N	80°48'44.795"W	4674.15	150.626	2.04	-0.69	-1.92
11470.00	89.850	155.840	6625.87	4763.71	-4155.59	2328.99	1628925.30	314152.95	39°21'18.340"N	80°48'44.318"W	4763.73	150.732	0.87	-0.10	-0.87
11559.00	90.000	154.450	6625.98	4852.46	-4236.34	2366.40	1628962.71	314072.20	39°21'17.547"N	80°48'43.827"W	4852.47	150.812	1.57	0.17	-1.56
11574.00	89.940	154.450	6625.99	4867.43	-4249.87	2372.87	1628969.18	314058.66	39°21'17.414"N	80°48'43.742"W	4867.44	150.824	0.40	-0.40	0.00
11599.00	89.940	154.450	6626.02	4892.39	-4272.43	2383.65	1628979.96	314036.11	39°21'17.193"N	80°48'43.600"W	4892.39	150.842	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: WEU4 512894 AWB Ref Wellpath: WEU4 512894 AWP Proj: 11599'									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	18.00	2870.00	2852.00	18.00	2862.37	0.00	0.00	-86.99	-96.52
9.625in Casing Intermediate	18.00	2870.00	2852.00	18.00	2862.37	0.00	0.00	-86.99	-96.52
8.75in Open Hole	2870.00	5515.00	2645.00	2862.37	5507.20	-86.99	-96.52	-101.01	-87.09
8.5in Open Hole	5515.00	11599.00	6084.00	5507.20	6626.02	-101.01	-87.09	-4272.43	2383.65
5.5in Casing Production	18.00	11599.00	11581.00	18.00	6626.02	0.00	0.00	-4272.43	2383.65

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# Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
WEU4 512894 BHL Rev-1	6625.02	-4273.72	2381.01	1628977.32	314034.82	39°21'17.180"N	80°48'43.634"W	point
WEU4 512894 LP Rev-1	6632.00	-199.42	481.13	1627077.54	318108.91	39°21'57.169"N	80°49'08.579"W	point
WEU4 HL2 Rev-1	6700.00	83.98	-32.35	1626564.08	318392.30	39°21'59.896"N	80°49'15.169"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: WEU4 512894 AWB Ref Wellpath: WEU4 512894 AWP Proj: 11599'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	5484.00	Gyrodata relative depth - Continuous gyro	01_Gyrodata Cont Gyro <8-3/4"> (100'-5479')	WEU4 512894 AWB
5484.00	11574.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	02_BH AT Curve+MagVar MSA <8-1/2"> (5484')(5493'-11574')	WEU4 512894 AWB
11574.00	11599.00	Blind Drilling (std)	Projection to bit	WEU4 512894 AWB

4709502506P



API 47-095-02506

# Actual Wellpath Report

WEU4 512894 AWP Proj: 11599'

Page 8 of 8



Where energy meets innovation.

REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 512894
Area	Tyler County, WV	Well	WEU4 512894
Field	Tyler	Wellbore	WEU4 512894 AWB
Facility	WEU4 Pad		

COMMENTS
<p><b>Wellpath general comments</b>            API: 47-095-02343-0000            BH Job#: 109619370            Rig: Precision 539            Duration: 1/24/2019-1/28/2019            01_Gyrodata Cont Gyro &lt;8-3/4"&gt; (100'-5479')            02_BH AT Curve+MagVar MSA &lt;8-1/2"&gt; (5484')(5493'-11574')            Projected MD at TD: 11599'</p>

4709502506P



API 47-095-02506

Where energy meets innovation

EQT

Location: Tyler County, WV  
Field: Tyler  
Facility: WEU4 Pad

Slot: Slot 512894  
Well: WEU4 512894  
Wellbore: WEU4 512894 PWB



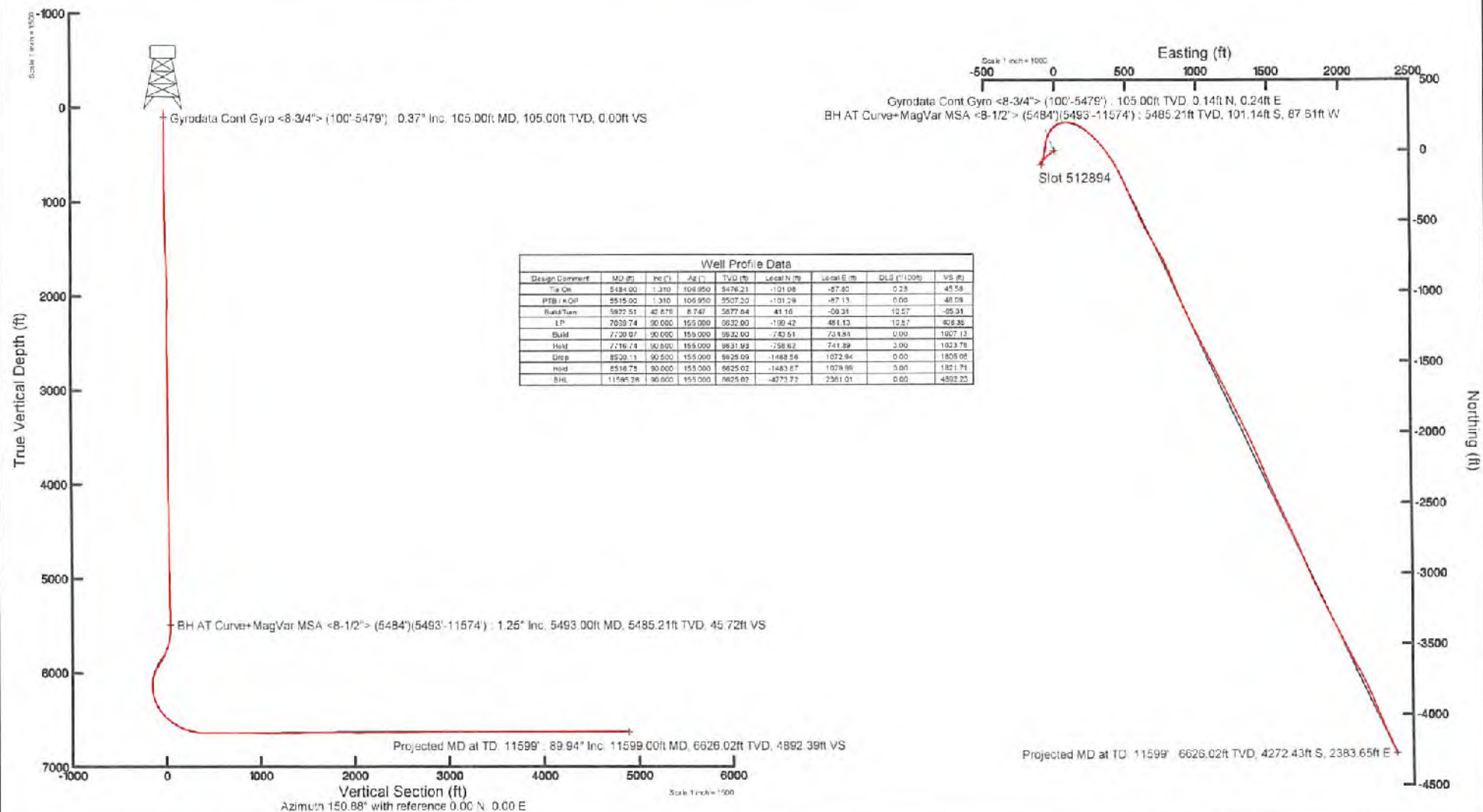
Approximate elevation is based on state datum. It is not a true elevation.	Grid System: NAD 83 (Datum: North American Datum 1983) U.S. Feet
The well location is not guaranteed to be precise. It is an estimate.	Units: Metric and US
Measured depth is not guaranteed to be precise. It is an estimate.	Scale: True Vertical
Precision: 50 (RKB) to base. See Level: 0.01 feet	Depth in Feet
Mean Sea Level to Ground level (M.S.L. to G.L.): 10.70 feet	Grid North is constant on 2010.02.24
Coordinates are based on the datum of the well.	Default: UTM, 49N, 18Q, 512894.000, 49N

Location Information					
Facility Name	Grid East (US Ft)	Grid North (US Ft)	Latitude	Longitude	
WEU4 Pad	1275547.517	315448.290	30°22'20.4487N	80°49'13.4597W	
Site	Local N (ft)	Local E (ft)	Grid East (US Ft)	Grid North (US Ft)	Latitude
Slot 512894	-139.88	53.92	1275556.430	316306.210	30°21'59.2707N
Precision: 50 (RKB) to Ground level (M.S.L. to G.L.): 10.70 feet					189
Mean Sea Level to Ground level (M.S.L. to G.L.): 10.70 feet					-12799
Precision: 50 (RKB) to Mean Sea Level					10978

API: 47-095-02506-0000  
BH Job#: 109619370  
Rig: Precision 539  
Duration: 1/24/2019-1/28/2019



User specified Dip: 66.35° Field: 51774.0°  
Magnetic North is 7.23 degrees West of True North (at 1/16/2018)  
Grid North is 0.84 degrees West of True North  
To correct azimuth from True to Grid add 0.84 degrees  
To correct azimuth from Magnetic to Grid subtract 6.44 degrees



4709502506P



WW-1A  
Revised 6-07

1) Date: February 7, 2022  
2) Operator's Well Number  
WEC415  
3) API Well No. 17 095 02506

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

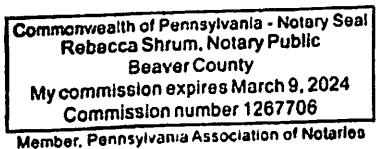
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>See Attached</u>	Name _____
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
(c) Name _____	Address _____
Address _____	Name _____
6) Inspector <u>Douglas Newlon</u>	(c) Coal Lessee with Declaration
Address <u>Douglas C Newlon@wv.gov</u>	Name _____
Telephone <u>(304) 932-8049</u>	Address _____

**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-1B, 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 reverse 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 EQT Production Company  
 By: Ern Spine  
 Its: Manager - Subsurface Permitting  
 Address 400 Woodcliff Drive  
Canonsburg PA 15317  
 Telephone (724) 271-7380

Subscribed and sworn before me this 7th day of February 2022  
Rebecca Shrum Notary Public  
My Commission Expires March 9, 2024

**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 [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



**WEU4 Pad WW-4A Attachment**

**Surface Owner:**

Donna J Peters  
733 RIDGE RD  
ALMA WV 26320

**Access Owners:**

James B. & Brenda J Stoneking  
28 HOMEWOOD DR  
ELKINS, WV 26241

Diane L. and Glenn W. Morgan  
590 Isner Creek Road  
Elkins, WV 26241

**Coal Owners:**

Rosemary Brandon  
3013 Deleware Ave  
Kenner, LA 70065

4709502506P

7019 1640 0000 6625 6041

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Certified Mail Fee	\$ 3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.25
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 9.25
Total Postage and Fees	\$ 16.05

Sent To  
**DONNA J PETERS**  
733 RIDGE RD  
ALMA WV 26320

Street and Apt. No.  
City, State, ZIP+4®

69-08 WEU4 - NOTIFICATIONS  
PS Form 3800, Apr

8500 5252 7019 1640 0000 6625 6058

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Certified Mail Fee	\$ 3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.23
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 8.70
Total Postage and Fees	\$ 15.50

Sent To  
**JAMES B. & BRENDA J STONEKING**  
28 HOMEWOOD DR  
ELKINS, WV 26241

Street and Apt. No.  
City, State, ZIP+4®

69-08 WEU4 - NOTIFICATIONS  
PS Form 3800, Apr

7019 1640 0000 6625 6065

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Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.22
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 8.70
Total Postage and Fees	\$ 15.50

Sent To  
**DIANE L. AND GLENN W. MORGAN**  
590 ISNER CREEK ROAD  
ELKINS, WV 26241

Street and Apt. No.  
City, State, ZIP+4®

69-08 WEU4 - NOTIFICATIONS  
PS Form 3800, Apr

7019 1640 0000 6625 6072

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OFFICIAL USE

Certified Mail Fee	\$ 3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.23
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 7.25
Total Postage and Fees	\$ 16.05

Sent To  
**ROSEMARY BRANDON**  
3013 DELEWARE AVE  
KENNER, LA 70065

Street and Apt. No.  
City, State, ZIP+4®

69-08 WEU4 - NOTIFICATIONS  
PS Form 3800, Apr

04/15/2022

**SURFACE OWNER WAIVER**

Operator's Well  
Number

WEU4H5

**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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**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

Date  
**04/15/2022**



WW-4B

4709502506<sup>P</sup>

API No. 47-095-02506

Farm Name WEU4

Well No. WEU4H5

**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 \_\_\_\_\_

04/15/2022

4709502506 P

WW-9  
(5/16)

API Number 47 - 095 - 02506  
Operator's Well No. WEU4H5

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EQT Production Company OP Code 306686

Watershed (HUIC 10) Tributary of Camp Mistake Run Quadrangle West Union 7.5

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

*ANY WELL EFFLUENT MUST BE CONTAINED IN TANK? BEFORE DISPOSING OFF-SITE, J.M.M.*

If so, please describe anticipated pit waste:

Will a synthetic liner be used in the pit? Yes  No  If so, what ml? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: \_\_\_\_\_

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.

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

Additives to be used in drilling medium? \_\_\_\_\_

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

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

-Landfill or offsite name/permit number? \_\_\_\_\_

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.

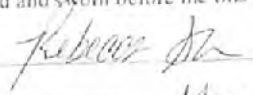
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 

Company Official (Typed Name) Erin Spine

Company Official Title Manager - Subsurface Permitting

Subscribed and sworn before me this 7th day of February, 2022



Notary Public

Commonwealth of Pennsylvania - Notary Seal  
Rebecca Shrum, Notary Public  
Beaver County  
My commission expires March 9, 2024  
Commission number 1267706  
Member, Pennsylvania Association of Notaries

My commission expires March 9, 2024

04/15/2022



4709502506P

**EQT Production Water plan**  
**Offsite disposals**

**Waste Management - Meadowfill Landfill**

Rt. 2, Box 68 Dawson Drive  
Bridgeport, WV 26330  
304-326-6027  
Permit #SWF-1032-98  
Approval #100785WV

**Waste Management - Northwestern Landfill**

512 E. Dry Road  
Parkersburg, WV 26104  
304-428-0602  
Permit #SWF-1025 WV-0109400  
Approval #100833WV

04/15/2022

Proposed Revegetation Treatment: Acres Disturbed 1± Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type (10-20-20) or equivalent

Fertilizer amount 1/3 ton lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Aslike Clover	5	Aslike Clover	5
Annual Rye	15		

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:

Comments:

Title: Date:

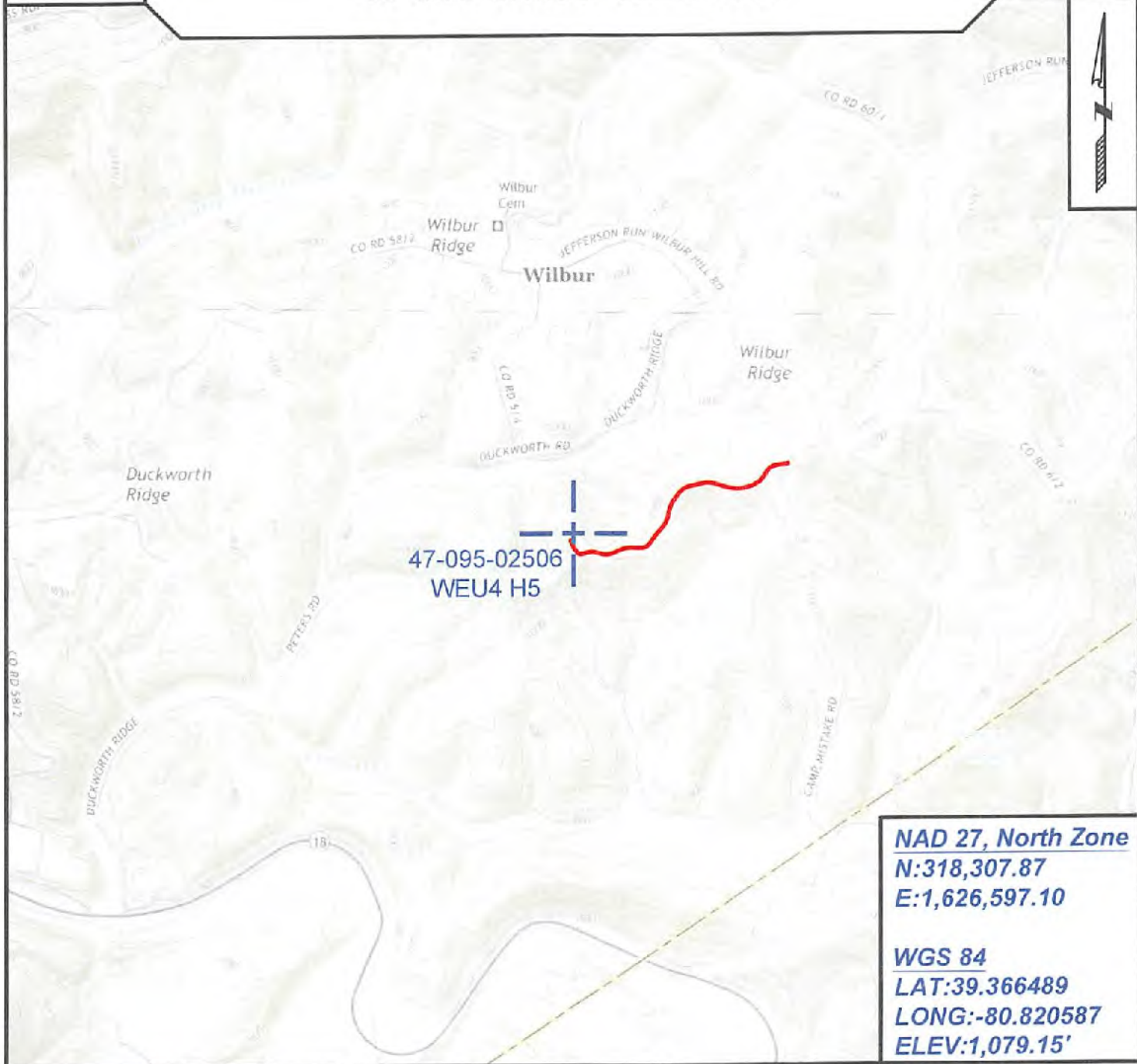
Field Reviewed? ( ) Yes ( ) No



Topo Quad: West Union 7.5'      Scale: 1" = 2000'  
 County: Tyler      Date: November 08, 2021  
 District: Centerville      Projct No: 69-54-00-08

# 47-095-02506 WEU4 H5

Topo



47-095-02506  
WEU4 H5

**NAD 27, North Zone**  
**N:318,307.87**  
**E:1,626,597.10**

**WGS 84**  
**LAT:39.366489**  
**LONG:-80.820587**  
**ELEV:1,079.15'**



SURVEYING AND MAPPING SERVICES PERFORMED BY:  
**ALLEGHENY SURVEYS, INC.**  
 1-800-482-8606  
 237 Birch River Road  
 Birch River, WV 26610  
 PH: (304) 649-8606  
 FAX: (304) 649-8608

PREPARED FOR:  
**EQT Production Company**  
 400 Woodcliff Drive  
 Canonsburg, PA 15317



**Site Pictures**  
**WEU4 H5**  
**WEU4 H5 47-095-02506**



**WEU4 Well Pad Site**



**WEU4 Well Pad Site**



**WEU4 Well Pad Site**



**WEU4 Well Pad Site**

**BIRCH RIVER OFFICE**

237 Birch River Road  
Birch River, WV 26610  
*phone* 304-649-8606 *fax* 304-649-8608

**BRIDGEPORT OFFICE**

172 Thompson Drive  
Bridgeport, WV 26330  
*phone* 304-848-5035 *fax* 304-848-5037

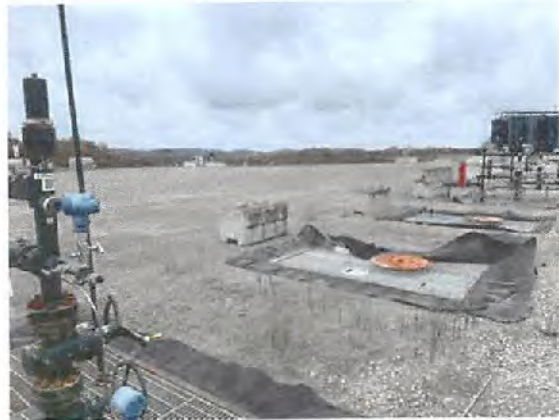
**CHARLESTON OFFICE**

301 RH, Boulevard - Suite 5  
Charleston, WV 25309  
*phone* 304-756-2949 *fax* 304-756-2948





WEU4 Well Pad Site



WEU4 Well Pad Site



WEU4 Well Pad Site



WEU4 Well Pad Site



WEU4 Well Pad Site



WEU4 Well Pad Site

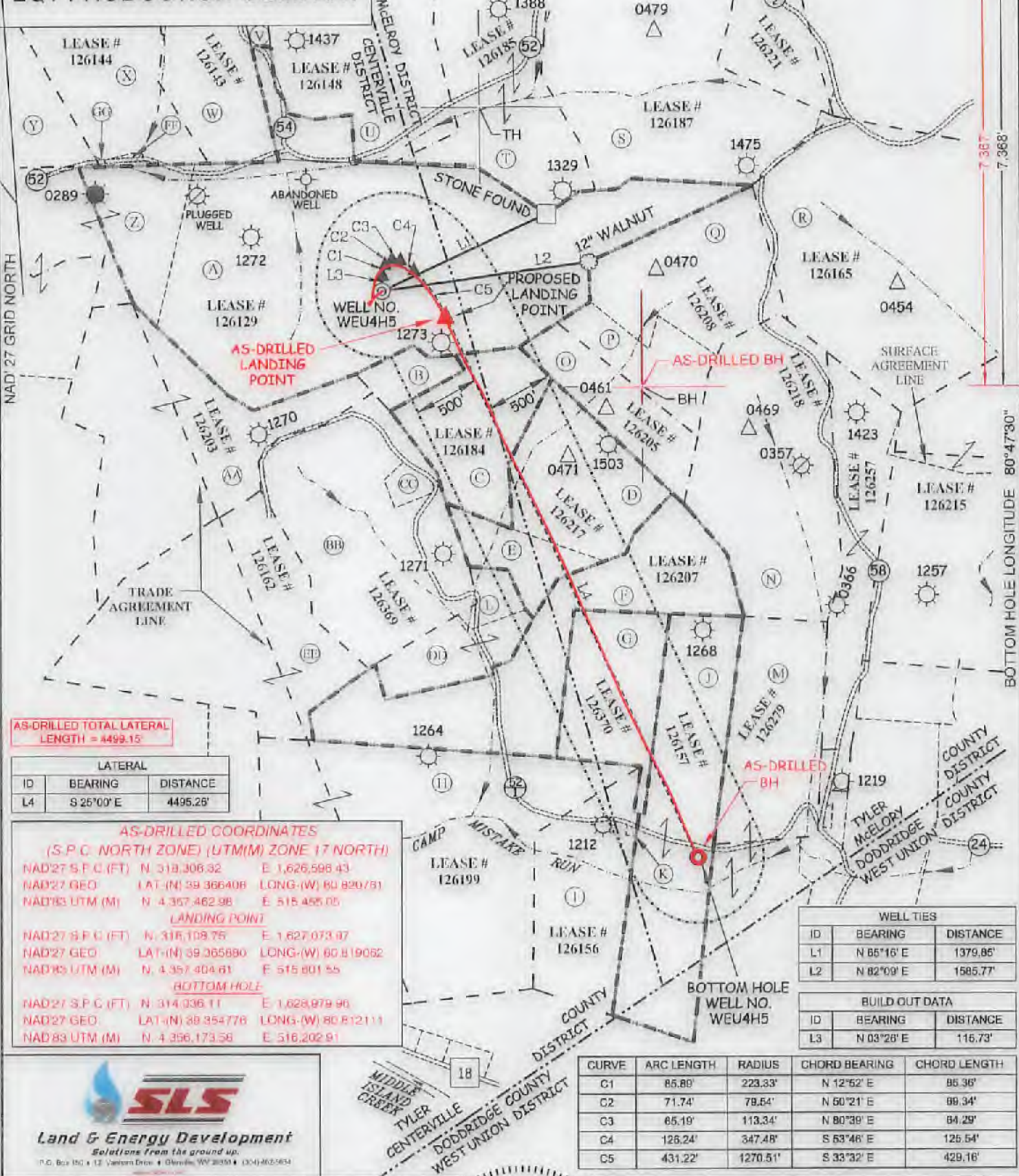


**WEU4  
WEU4H5  
EQT PRODUCTION COMPANY**

NAD 27 GRID NORTH

TOP HOLE LONGITUDE 80°47'30"

BOTTOM HOLE LONGITUDE 80°47'30"



AS-DRILLED TOTAL LATERAL LENGTH = 4499.15'

LATERAL		
ID	BEARING	DISTANCE
L4	S 25°00' E	4495.28'

**AS-DRILLED COORDINATES**  
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C. (FT)	N. 318,306.32	E. 1,626,598.43
NAD'27 GEO.	LAT-(N) 39.366408	LONG-(W) 80.820781
NAD'83 UTM (M)	N. 4,357,462.98	E. 515,455.05

**LANDING POINT**

NAD'27 S.P.C. (FT)	N. 318,108.75	E. 1,627,073.87
NAD'27 GEO.	LAT-(N) 39.365880	LONG-(W) 80.819052
NAD'83 UTM (M)	N. 4,357,404.81	E. 515,801.55

**BOTTOM HOLE**

NAD'27 S.P.C. (FT)	N. 314,036.11	E. 1,628,979.90
NAD'27 GEO.	LAT-(N) 39.354778	LONG-(W) 80.812111
NAD'83 UTM (M)	N. 4,356,173.58	E. 516,202.91

**WELL TIES**

ID	BEARING	DISTANCE
L1	N 85°16' E	1379.85'
L2	N 82°09' E	1585.77'

**BUILD OUT DATA**

ID	BEARING	DISTANCE
L3	N 03°28' E	116.73'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	85.89'	223.33'	N 12°52' E	85.36'
C2	71.74'	79.64'	N 50°21' E	89.34'
C3	65.19'	113.34'	N 80°39' E	84.29'
C4	126.24'	347.48'	S 53°48' E	125.54'
C5	431.22'	1270.51'	S 33°32' E	429.16'



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.

P.S. *C. Victor Moyers*  
849

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C. (FT)	N. 318,306.32	E. 1,626,598.43
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**LANDING POINT**

NAD'27 S.P.C. (FT)	N. 318,108.91	E. 1,627,077.54
NAD'27 GEO.	LAT-(N) 39.365880	LONG-(W) 80.819050
NAD'83 UTM (M)	N. 4,357,404.88	E. 515,802.64

**BOTTOM HOLE**

NAD'27 S.P.C. (FT)	N. 314,034.81	E. 1,628,977.31
NAD'27 GEO.	LAT-(N) 39.354772	LONG-(W) 80.812121
NAD'83 UTM (M)	N. 4,356,173.17	E. 516,202.11



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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

SCALE 1" = 1000'

DATE MAY 29, 20 19

REVISED JANUARY 27, 20 22

OPERATORS WELL NO. WEU4H5

API WELL NO. 47 - 095 - 02506

NO. STATE COUNTY PERMIT

**LEGEND**

COUNTY ROUTE	⊙	LEASE LINE
PROPOSED WELL	⊙	SURFACE LINE
EXISTING WELL	⊙	PROPOSED WELL LATERAL
PERMITTED WELL	⊙	AS-DRILLED WELL LATERAL
PLUGGED WELL	⊙	OFFSET LINE
STORAGE WELL	⊙	TIE LINE
CENTERVILLE DIST. TAX MAP-PARCEL	C-00-00	CREEK
McELROY DIST. TAX MAP-PARCEL	M-00-00	ROAD
		FENCE LINE

WELL OPERATOR **EQT PRODUCTION COMPANY** ADDRESS 400 WOODCLIFF DRIVE CANONSBURG, PA 15317

DESIGNATED AGENT **JOSEPH C. MALLOW** ADDRESS 427 MIDSTATE DRIVE CLARKSBURG, WV 26301

04/15/2022

COUNTY NAME PERMIT



**WEU4  
WEU4H5  
EQT PRODUCTION COMPANY**

BOTTOM HOLE LATITUDE 39°22'30"

5,784'

5,781'

SURFACE OWNERSHIP			
TAG	SURFACE OWNER	ACRES	T.M. - PAR
A	DONNA J. PETER	113.4 ACRES±	TM C-16-22
B	PAUL WEEKLEY (LIFE)	5 ACRES±	TM C-16-28
C	PAUL WEEKLEY (LIFE)	18 ACRES±	TM C-16-27
D	BRYAN W. PRATT	23 ACRES±	TM M-21-41
E	BRYAN W. PRATT	6.75 ACRES±	TM M-21-42
F	ANZANETTA DRAIN HRS	46.88 ACRES±	TM C-18-03
G	LESLIE MOORE ET AL.	20.25 ACRES±	TM M-23-01
H	ELIZABETH C. FISHBECK	98.81 ACRES±	TM C-18-04
I	COREY A. & ANGELA J. BLINE	27.5 ACRES±	TM M-23-06
J	RICHARD & LISA L. HENDRICKSON	44.68 ACRES±	TM M-23-02
K	RICHARD & LISA L. HENDRICKSON	0.25 ACRES±	TM M-23-05
L	PAUL WEEKLEY (LIFE)	3.37 ACRES±	TM C-16-29
M	JAMES T. & KATHRYN L. McNULTY	50.18 ACRES±	TM M-23-31
N	CLAY M. PERKINS ET AL.	50.25 ACRES±	TM M-21-37
O	EDWARD II & CAROLYN A. WHITE	16 ACRES±	TM M-21-40
P	EDWARD II & CAROLYN A. WHITE	12.50 ACRES±	TM M-21-39
Q	EDWARD II & CAROLYN A. WHITE	40 ACRES±	TM M-21-38
R	ASIA DELL CUMBERLEDGE	75.75 ACRES±	TM M-21-32
S	BRUCE & SANDRA STONEKING	69.44 ACRES±	TM M-21-28
T	BRUCE & SANDRA STONEKING	42.86 ACRES±	TM M-21-29
U	CHASE & REBA BARTRUG	109.94 ACRES±	TM C-16-10
V	MARK A. & JOEL A. PROSSOR ET AL.	2.50 ACRES±	TM C-16-15
W	JEFFERY E. & ANITA L. HOOVER	24.84 ACRES±	TM C-16-16
X	CONRAD COSTILOW	46.17 ACRES±	TM C-16-14
Y	JOHN R. ANDERS II	19.75 ACRES±	TM C-16-21.1
Z	RICHARD H. METCALF	61.57 ACRES±	TM C-16-17
AA	CHRIS BAUM ET AL.	56.84 ACRES±	TM C-16-23
BB	LEONA N. LOKKOVICH ET AL.	45.89 ACRES±	TM C-16-24
CC	STONEWALL GAS COMPANY	2 ACRES±	TM C-16-24.2
DD	KENDRA & ROGER WYKE ET AL.	9.5 ACRES±	TM C-18-02
EE	PEARLIE DAVIS	53 ACRES±	TM C-16-25
FF	RICHARD H. METCALF	.61 ACRES±	TM C-16-14.1
GG	JOHN R. ANDERS, II	.09 ACRES±	TM C-16-14.2



SEE PAD DETAIL FOR ADDITIONAL WELLS

ROYALTY OWNERS		
PAUL WEEKLEY	18 AC±	LEASE NO. 126184
BLACKROCK ENTERPRISES LLC ET AL	30 AC±	LEASE NO. 126217
BEATRICE BRADY ET AL	47 AC±	LEASE NO. 126207
DYLICIE F. CARROLL ET AL	20.25 AC±	LEASE NO. 126370
HESTER B. BRITTON ET AL	44 AC±	LEASE NO. 126167

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)		
NAD'27 S.P.C.(FT)	N. 318,308.32	E. 1,626,598.43
NAD'27 GEO.	LAT.-(N) 39.366408	LONG.-(W) 80.820761
NAD'83 UTM (M)	N. 4,357,462.98	E. 515,455.05
LANDING POINT		
NAD'27 S.P.C.(FT)	N. 318,108.91	E. 1,627,077.54
NAD'27 GEO.	LAT.-(N) 39.365880	LONG.-(W) 80.819050
NAD'83 UTM (M)	N. 4,357,404.68	E. 515,602.64
BOTTOM HOLE		
NAD'27 S.P.C.(FT)	N. 314,034.81	E. 1,629,977.31
NAD'27 GEO.	LAT.-(N) 39.354772	LONG.-(W) 80.812121
NAD'83 UTM (M)	N. 4,356,173.17	E. 516,202.11

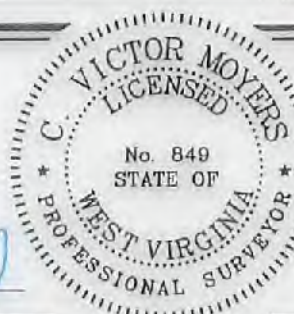
AS-DRILLED COORDINATES (S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)		
NAD'27 S.P.C.(FT)	N. 318,308.32	E. 1,626,598.43
NAD'27 GEO.	LAT.-(N) 39.366408	LONG.-(W) 80.820761
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NAD'27 S.P.C.(FT)	N. 318,108.75	E. 1,627,073.97
NAD'27 GEO.	LAT.-(N) 39.365880	LONG.-(W) 80.819052
NAD'83 UTM (M)	N. 4,357,404.61	E. 515,601.55
BOTTOM HOLE		
NAD'27 S.P.C.(FT)	N. 314,035.11	E. 1,629,979.98
NAD'27 GEO.	LAT.-(N) 39.354776	LONG.-(W) 80.812111
NAD'83 UTM (M)	N. 4,356,173.58	E. 516,202.91

- NOTES ON SURVEY**
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS 2500 SQ. FT. OR GREATER WERE FOUND WITHIN 525' OF THE CENTER OF PROPOSED WELL PAD.
  - WELL SPOT CIRCLE (SHEET 1) AND TOP MARK SCALE ARE 1" = 2000'.
  - AS-DRILLED INFORMATION PROVIDED BY EQT.
  - REVISED FOR OPERATOR ADDRESS CHANGE AND CHANGE TO AGENT NAME/ADDRESS.



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.

P.S. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE MAY 29, 20 19  
 REVISED JANUARY 27, 20 22  
 OPERATORS WELL NO. WEU4H5  
 API WELL NO. 47 - 095 - 02506  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7701PWU4H5AD.dwg (512894)

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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

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

LOCATION:  
 PAD ELEVATION 1,079' WATERSHED TRIBUTARY OF CAMP MISTAKE RUN  
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5'

SURFACE OWNER DONNA J. PETER ACREAGE 113.40±  
 ROYALTY OWNER WACO OIL AND GAS INC. ET AL ACREAGE 152± LEASE NO. 126129

PROPOSED WORK:  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
 ESTIMATED DEPTH 6,680'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JOSEPH C. MALLOW  
 ADDRESS 400 WOODCLIFF DRIVE ADDRESS 427 MIDSTATE DRIVE  
CANONSBURG, PA 15317 CLARKSBURG, WV 26301

TOP HOLE LONGITUDE 80°47'30" BOTTOM HOLE LONGITUDE 80°47'30" COUNTY NAME PERMIT

04/15/2022





Stansberry, Wade A <wade.a.stansberry@wv.gov>

---

## Plugging Vertical Well Work Permit (API: 47-095-02506)

1 message

---

**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Wed, Apr 13, 2022 at 1:41 PM

To: John <JZavatchan@eqt.com>, Erin Spine <espine@eqt.com>, "Shrum, Becky" <bshrum@eqt.com>, Todd <tklaner@eqt.com>, Olivia Pishioneri <opishioneri@eqt.com>, l.jackson@wvassessor.com, Douglas Newlon <douglas.c.newlon@wv.gov>

I have attached a copy of the newly issued well permit numbers:

**47-095-02506 - WEU4H5**

This will serve as your copy.

Thank you,

**Wade A. Stansberry**

**Environmental Resource Specialist 3**

**West Virginia Department of Environmental Protection**

**Office of Oil & Gas**

**601 57th St. SE**

**Charleston, WV 25304**


**(304) 926-0499 ext. 41115**

**(304) 926-0452 fax**

**[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)**

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### 2 attachments

 **47-095-02506 - Copy.pdf**  
2577K

 **IR-8 Blank.pdf**  
233K

04/15/2022