

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

API 47 - 103 - 03433 County Wetzel District Grant  
Quad Big Run Pad Name BIG464 Field/Pool Name N/A  
Farm name EQT Production Company Well Number BIG464 5H (L004022)  
Operator (as registered with the OOG) EQT Production Company  
Address 2400 Ansys Drive, Suite 200 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 4,379,889.08 Easting 541,533.55  
Landing Point of Curve Northing 4,379,919.07 Easting 541,009.28  
Bottom Hole Northing 4,383,863.39 Easting 538,550.14

Elevation (ft) 1246' 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)

Synthetic Oil Based Mud 13.85 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 01/27/2022 Date drilling commenced 09/27/2021 Date drilling ceased 04/20/2022  
Date completion activities began 04/09/2023 Date completion activities ceased 08/07/2023  
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

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Freshwater depth(s) ft 96,175,239,419 Open mine(s) (Y/N) depths \_\_\_\_\_  
Salt water depth(s) ft 1711,1835 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 543,782,878,901 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**APPROVED**

Reviewed by:

*[Handwritten Signature]*  
1-3-24

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CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft	Basket Depth(s) (GL)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	26"	40'	NEW	A-500 85.6#	N/A	Y
Surface	17-1/2"	13-3/8"	1010'	NEW	J-55 54.5#	883'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2450'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	6"	23,421'	NEW	P-110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1031' GL, which is greater than 500' TVD above the producing formation. No issues during cement job.

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 (GL)	WOC (hrs)
Conductor	CLASS A	83	15.6	1.18	98	0	8+
Surface	CLASS A	900	16.0	1.13	1017	0	8
Coal							
Intermediate 1	CLASS A	897	15.6	1.18	1058	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4425	15.2	1.04	4602	1031'	8+
Tubing							

Drillers TD (ft) 23,439' Loggers TD (ft) N/A  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 2522'

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 TRACK AND EVERY 500' TO SURFACE \_\_\_\_\_  
 INTERMEDIATE: ON SHOE TRACK AND EVERY 500' FEET TO SURFACE \_\_\_\_\_  
 PRODUCTION: ON SHOE TRACK AND EVERY JOINT TO 2139' \_\_\_\_\_

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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Farm name EQT Production Company

Well number BIG464 5H (L004022)

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

**PERFORATION DATA ATTACHED**

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

**STIMULATION DATA ATTACHED**

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Please insert additional pages as applicable.



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PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump  
 SHUT-IN PRESSURE Surface \_\_\_\_\_ psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs  
 OPEN FLOW Gas 8669 mcfpd Oil 0 bpd NGL 0 bpd Water 864 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP		BOTTOM		DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		

Please insert additional pages as applicable.

Drilling Contractor Patterson UTI (Rig 294)  
 Address 207 Carlton Dr City Eighty Four State PA Zip 15330  
 Logging Company Baker Hughes  
 Address 400 Technology Dr Suite 100 City Canonsburg State PA Zip 15317  
 Cementing Company Halliburton  
 Address 121 Champion Way Suite 110 City Canonsburg State PA Zip 15317  
 Cementing Company Universal Pressure Pumping, Inc.  
 Address 13549 S. Moisertown Road City Meadville State PA Zip 16335

Please insert additional pages as applicable.

Completed by Adam Hughey Telephone 724-575-5475  
 Signature \_\_\_\_\_ Title Director of Completions Date 2023-10-09

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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Drilling Contractor Falcon (Rig 25)  
Address 1120 US-119 City Indiana State PA Zip 15701

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

Logging Company GyroData  
Address 73 Noblestown Road City Carnegie State PA Zip 15106

Stimulation Contractor Evolution Well Services  
Address 1780 Hughes Landing Blvd Ste 125 City The Woodlands State TX Zip 77380

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Well # BIG464 5H (L004022) Final Formations API# 47-103-03433				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	543	543
Waynesburg Coal	543	543	546	546
Sand/Shale	546	546	782	782
Mapleton Coal	782	782	784	784
Sand/Shale	784	784	878	878
Sewickley Coal	878	878	880	880
Sand/Shale	880	880	901	901
Pittsburgh Coal	901	901	909	909
Sand/Shale	909	909	1,793	1,793
Maxton	1,793	1,793	1,972	1,972
Sand/Shale	1,972	1,972	2,235	2,235
Big Lime	2,235	2,235	2,311	2,311
Sand/Shale	2,311	2,311	2,323	2,323
Big Injun	2,323	2,323	2,392	2,392
Sand/Shale	2,392	2,392	2,521	2,521
Weir	2,521	2,521	2,671	2,671
Sand/Shale	2,671	2,671	2,736	2,736
Gantz	2,736	2,736	2,772	2,772
Sand/Shale	2,772	2,772	2,877	2,876
Fifty foot	2,877	2,876	2,933	2,931
Sand/Shale	2,933	2,931	2,972	2,970
Thirty foot	2,972	2,970	2,999	2,997
Sand/Shale	2,999	2,997	3,028	3,025
Gordon	3,028	3,025	3,073	3,069
Sand/Shale	3,073	3,069	3,098	3,094
Forth Sand	3,098	3,094	3,111	3,107
Sand/Shale	3,111	3,107	3,170	3,164
Fifth Sand	3,170	3,164	3,189	3,183
Sand/Shale	3,189	3,183	3,223	3,216
Bayard	3,223	3,216	3,241	3,234
Sand/Shale	3,241	3,234	3,646	3,624
Warren	3,646	3,624	3,670	3,647
Sand/Shale	3,670	3,647	3,766	3,738
Speechley	3,766	3,738	3,814	3,783
Sand/Shale	3,814	3,783	4,124	4,075
Balltown A	4,124	4,075	4,139	4,090
Sand/Shale	4,139	4,090	4,609	4,537
Riley	4,609	4,537	4,651	4,577
Sand/Shale	4,651	4,577	5,238	5,135
Benson	5,238	5,135	5,287	5,182
Sand/Shale	5,287	5,182	5,652	5,527
Alexander	5,652	5,527	5,719	5,590
Elks	5,719	5,590	6,940	6,750
Sonyea	6,940	6,750	7,136	7,117
Middlesex	7,136	6,933	7,346	

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Genesee	7,346	7,117	7,478	7,215
Geneseo	7,478	7,215	7,520	7,242
Tully	7,520	7,242	7,558	7,264
Hamilton	7,558	7,264	7,826	7,371
Marcellus	7,826	7,371	23,439	7,446

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# Perforation Data

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Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	04/29/2023	23321	23280	15	Marcellus
3	04/30/2023	23261	23221	15	Marcellus
4	04/30/2023	23202	23161	15	Marcellus
5	05/01/2023	23142	23102	15	Marcellus
6	05/01/2023	23083	23042	15	Marcellus
7	05/01/2023	23023	22982	15	Marcellus
8	05/01/2023	22964	22923	15	Marcellus
9	05/01/2023	22904	22863	15	Marcellus
10	05/02/2023	22845	22804	15	Marcellus
11	05/02/2023	22785	22744	15	Marcellus
12	05/02/2023	22725	22685	15	Marcellus
13	05/02/2023	22666	22625	15	Marcellus
14	05/03/2023	22606	22566	15	Marcellus
15	05/03/2023	22547	22506	15	Marcellus
16	05/03/2023	22487	22447	15	Marcellus
17	05/03/2023	22428	22387	15	Marcellus
18	05/04/2023	22368	22327	15	Marcellus
19	05/04/2023	22309	22268	15	Marcellus
20	05/04/2023	22249	22208	15	Marcellus
21	05/07/2023	22189	22149	15	Marcellus
22	05/08/2023	22130	22089	15	Marcellus
23	05/08/2023	22070	22030	15	Marcellus
24	05/09/2023	22011	21970	15	Marcellus
25	05/09/2023	21951	21911	15	Marcellus
26	05/10/2023	21892	21851	15	Marcellus
27	05/10/2023	21832	21791	15	Marcellus
28	05/10/2023	21773	21732	15	Marcellus
29	05/10/2023	21713	21672	15	Marcellus
30	05/11/2023	21654	21613	15	Marcellus
31	05/11/2023	21594	21553	15	Marcellus
32	05/12/2023	21534	21494	15	Marcellus
33	05/13/2023	21475	21434	15	Marcellus
34	05/13/2023	21415	21375	15	Marcellus
35	05/14/2023	21356	21315	15	Marcellus
36	05/15/2023	21296	21256	15	Marcellus
37	05/15/2023	21237	21196	15	Marcellus
38	05/15/2023	21177	21136	15	Marcellus
39	05/15/2023	21118	21077	15	Marcellus
40	05/16/2023	21058	21017	15	Marcellus
42	05/16/2023	20939	20898	15	Marcellus
43	05/18/2023	20879	20839	15	Marcellus
44	05/19/2023	20820	20779	15	Marcellus
45	05/19/2023	20760	20720	15	Marcellus

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46	05/19/2023	20701	20660	15	Marcellus
47	05/20/2023	20641	20600	15	Marcellus
48	05/20/2023	20582	20541	15	Marcellus
49	05/20/2023	20522	20481	15	Marcellus
50	05/20/2023	20463	20422	15	Marcellus
51	05/21/2023	20403	20362	15	Marcellus
52	05/21/2023	20343	20303	15	Marcellus
53	05/21/2023	20284	20243	15	Marcellus
54	05/21/2023	20224	20184	15	Marcellus
55	05/22/2023	20165	20124	15	Marcellus
56	05/22/2023	20105	20065	15	Marcellus
57	05/22/2023	20046	20005	15	Marcellus
58	05/22/2023	19986	19945	15	Marcellus
59	05/22/2023	19927	19886	15	Marcellus
60	05/23/2023	19867	19826	15	Marcellus
61	05/23/2023	19807	19767	15	Marcellus
62	05/23/2023	19748	19707	15	Marcellus
63	05/24/2023	19688	19648	15	Marcellus
64	05/24/2023	19629	19588	15	Marcellus
65	05/24/2023	19569	19529	15	Marcellus
66	05/24/2023	19510	19469	15	Marcellus
67	05/24/2023	19450	19409	15	Marcellus
68	05/25/2023	19391	19350	15	Marcellus
69	05/25/2023	19331	19290	15	Marcellus
70	05/25/2023	19272	19231	15	Marcellus
71	05/25/2023	19212	19171	15	Marcellus
72	05/25/2023	19152	19112	15	Marcellus
73	05/26/2023	19093	19052	15	Marcellus
74	05/26/2023	19033	18993	15	Marcellus
75	05/26/2023	18974	18933	15	Marcellus
76	05/27/2023	18914	18874	15	Marcellus
77	05/27/2023	18855	18814	15	Marcellus
78	05/27/2023	18795	18754	15	Marcellus
79	05/27/2023	18736	18695	15	Marcellus
80	05/28/2023	18676	18635	15	Marcellus
81	05/28/2023	18616	18576	15	Marcellus
82	05/28/2023	18557	18516	15	Marcellus
83	05/28/2023	18497	18457	15	Marcellus
85	05/28/2023	18378	18338	15	Marcellus
86	05/29/2023	18319	18278	15	Marcellus
87	05/29/2023	18259	18218	15	Marcellus
88	05/29/2023	18200	18159	15	Marcellus
89	05/29/2023	18140	18099	15	Marcellus
90	05/29/2023	18081	18040	15	Marcellus
91	05/29/2023	18021	17980	15	Marcellus
92	05/29/2023	17961	17921	15	Marcellus
93	05/30/2023	17902	17861	15	Marcellus

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94	05/30/2023	17842	17802	15	Marcellus
95	05/30/2023	17783	17742	15	Marcellus
96	05/30/2023	17723	17683	15	Marcellus
97	05/30/2023	17664	17623	15	Marcellus
98	05/30/2023	17604	17563	15	Marcellus
99	05/31/2023	17545	17504	15	Marcellus
100	05/31/2023	17485	17444	15	Marcellus
101	05/31/2023	17425	17385	15	Marcellus
102	06/01/2023	17366	17325	15	Marcellus
103	06/01/2023	17306	17266	15	Marcellus
104	06/02/2023	17247	17206	15	Marcellus
105	06/02/2023	17187	17147	15	Marcellus
106	06/02/2023	17128	17087	15	Marcellus
107	06/02/2023	17068	17027	15	Marcellus
108	06/02/2023	17009	16968	15	Marcellus
109	06/02/2023	16949	16908	15	Marcellus
110	06/03/2023	16890	16849	15	Marcellus
111	06/03/2023	16830	16789	15	Marcellus
112	06/03/2023	16770	16730	15	Marcellus
113	06/03/2023	16711	16670	15	Marcellus
114	06/04/2023	16651	16611	15	Marcellus
115	06/04/2023	16592	16551	15	Marcellus
116	06/04/2023	16532	16492	15	Marcellus
117	06/04/2023	16473	16432	15	Marcellus
118	06/04/2023	16413	16372	15	Marcellus
119	06/05/2023	16354	16313	15	Marcellus
120	06/06/2023	16294	16253	15	Marcellus
121	06/06/2023	16234	16194	15	Marcellus
122	06/07/2023	16175	16134	15	Marcellus
123	06/07/2023	16115	16075	15	Marcellus
124	06/07/2023	16056	16015	15	Marcellus
125	06/07/2023	15996	15956	15	Marcellus
126	06/07/2023	15937	15896	15	Marcellus
127	06/08/2023	15877	15836	15	Marcellus
128	06/08/2023	15818	15777	15	Marcellus
129	06/08/2023	15758	15717	15	Marcellus
130	06/08/2023	15699	15658	15	Marcellus
131	06/09/2023	15639	15598	15	Marcellus
132	06/09/2023	15579	15539	15	Marcellus
133	06/09/2023	15520	15479	15	Marcellus
134	06/09/2023	15460	15420	15	Marcellus
135	06/09/2023	15401	15360	15	Marcellus
136	06/09/2023	15341	15301	15	Marcellus
137	06/10/2023	15282	15241	15	Marcellus
138	06/10/2023	15222	15181	15	Marcellus
139	06/10/2023	15163	15122	15	Marcellus
140	06/10/2023	15103	15062	15	Marcellus

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141	06/11/2023	15043	15003	15	Marcellus
142	06/12/2023	14984	14943	15	Marcellus
143	06/12/2023	14924	14884	15	Marcellus
144	06/12/2023	14865	14824	15	Marcellus
145	06/12/2023	14805	14765	15	Marcellus
146	06/13/2023	14746	14705	15	Marcellus
147	06/13/2023	14686	14645	15	Marcellus
148	06/13/2023	14627	14586	15	Marcellus
149	06/13/2023	14567	14526	15	Marcellus
150	06/13/2023	14508	14467	15	Marcellus
151	06/14/2023	14448	14407	15	Marcellus
152	06/14/2023	14388	14348	15	Marcellus
153	06/14/2023	14329	14288	15	Marcellus
154	06/14/2023	14269	14229	15	Marcellus
155	06/14/2023	14210	14169	15	Marcellus
156	06/15/2023	14150	14110	15	Marcellus
157	06/15/2023	14091	14050	15	Marcellus
158	06/15/2023	14031	13990	15	Marcellus
159	06/15/2023	13972	13931	15	Marcellus
160	06/15/2023	13912	13871	15	Marcellus
161	06/16/2023	13852	13812	15	Marcellus
162	06/16/2023	13793	13752	15	Marcellus
163	06/16/2023	13733	13693	15	Marcellus
164	06/16/2023	13674	13633	15	Marcellus
165	06/17/2023	13614	13574	15	Marcellus
166	06/17/2023	13555	13514	15	Marcellus
167	06/17/2023	13495	13454	15	Marcellus
168	06/17/2023	13436	13395	15	Marcellus
169	06/17/2023	13376	13335	15	Marcellus
170	06/17/2023	13317	13276	15	Marcellus
171	06/17/2023	13257	13216	15	Marcellus
172	06/18/2023	13197	13157	15	Marcellus
173	06/18/2023	13138	13097	15	Marcellus
174	06/18/2023	13078	13038	15	Marcellus
175	06/18/2023	13019	12978	15	Marcellus
176	06/19/2023	12959	12919	15	Marcellus
177	06/19/2023	12900	12859	15	Marcellus
178	06/19/2023	12840	12799	15	Marcellus
179	06/19/2023	12781	12740	15	Marcellus
180	06/19/2023	12721	12680	15	Marcellus
181	06/19/2023	12661	12621	15	Marcellus
182	06/20/2023	12602	12561	15	Marcellus
183	06/20/2023	12542	12502	15	Marcellus
184	06/20/2023	12483	12442	15	Marcellus
185	06/20/2023	12423	12383	15	Marcellus
186	06/20/2023	12364	12323	15	Marcellus
187	06/20/2023	12304	12263	15	Marcellus

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188	06/21/2023	12245	12204	15	Marcellus
189	06/21/2023	12185	12144	15	Marcellus
190	06/21/2023	12126	12085	15	Marcellus
191	06/21/2023	12066	12025	15	Marcellus
192	06/21/2023	12006	11966	15	Marcellus
193	06/21/2023	11947	11906	15	Marcellus
194	06/22/2023	11887	11847	15	Marcellus
195	06/22/2023	11828	11787	15	Marcellus
196	06/22/2023	11768	11728	15	Marcellus
197	06/22/2023	11709	11668	15	Marcellus
198	06/22/2023	11649	11608	15	Marcellus
199	06/22/2023	11590	11549	15	Marcellus
200	06/22/2023	11530	11489	15	Marcellus
201	06/22/2023	11470	11430	15	Marcellus
202	06/23/2023	11411	11370	15	Marcellus
203	06/23/2023	11351	11311	15	Marcellus
204	06/23/2023	11292	11251	15	Marcellus
205	06/23/2023	11232	11192	15	Marcellus
206	06/24/2023	11173	11132	15	Marcellus
208	06/24/2023	11054	11013	15	Marcellus
209	06/25/2023	10994	10953	15	Marcellus
210	06/25/2023	10935	10894	15	Marcellus
211	06/25/2023	10875	10834	15	Marcellus
212	06/25/2023	10815	10775	15	Marcellus
213	06/26/2023	10756	10715	15	Marcellus
214	06/26/2023	10696	10656	15	Marcellus
215	06/26/2023	10637	10596	15	Marcellus
216	06/26/2023	10577	10537	15	Marcellus
217	06/26/2023	10518	10477	15	Marcellus
218	06/27/2023	10458	10417	15	Marcellus
219	06/27/2023	10399	10358	15	Marcellus
220	06/27/2023	10339	10298	15	Marcellus
221	06/27/2023	10279	10239	15	Marcellus
222	06/27/2023	10220	10179	15	Marcellus
223	06/27/2023	10160	10120	15	Marcellus
224	06/27/2023	10101	10060	15	Marcellus
225	06/27/2023	10041	10001	15	Marcellus
226	06/28/2023	9982	9941	15	Marcellus
227	06/28/2023	9922	9881	15	Marcellus
228	06/28/2023	9863	9822	15	Marcellus
229	06/28/2023	9803	9762	15	Marcellus
230	06/28/2023	9744	9703	15	Marcellus
231	06/28/2023	9684	9643	15	Marcellus
232	06/29/2023	9624	9584	15	Marcellus
233	06/29/2023	9565	9524	15	Marcellus
234	06/29/2023	9505	9465	15	Marcellus
235	06/29/2023	9446	9405	15	Marcellus
236	06/29/2023	9386	9346	15	Marcellus

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237	06/29/2023	9327	9286	15	Marcellus
238	06/29/2023	9267	9226	15	Marcellus
239	06/29/2023	9208	9167	15	Marcellus
240	06/29/2023	9148	9107	15	Marcellus
241	06/30/2023	9088	9048	15	Marcellus
242	06/30/2023	9029	8988	15	Marcellus
243	06/30/2023	8969	8929	15	Marcellus
244	07/01/2023	8910	8869	15	Marcellus
245	07/02/2023	8850	8810	15	Marcellus
246	07/02/2023	8791	8750	15	Marcellus
247	07/04/2023	8731	8690	15	Marcellus
248	07/04/2023	8672	8631	15	Marcellus
249	07/04/2023	8612	8571	15	Marcellus
250	07/04/2023	8553	8512	15	Marcellus
251	07/04/2023	8493	8452	15	Marcellus
252	07/04/2023	8433	8393	15	Marcellus
253	07/04/2023	8374	8333	15	Marcellus
254	07/04/2023	8314	8274	15	Marcellus
255	07/04/2023	8255	8214	15	Marcellus
256	07/05/2023	8195	8155	15	Marcellus
257	07/05/2023	8136	8095	15	Marcellus
258	07/05/2023	8076	8035	15	Marcellus
259	07/05/2023	8017	7976	15	Marcellus
260	07/05/2023	7957	7916	15	Marcellus
261	07/05/2023	7897	7857	15	Marcellus

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# Stimulation Data

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Stage #	Stimulation Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	04/11/2023	93	9143	8204	4521	176058	4474.000	
2	04/30/2023	77	9270	6987	5187	132054	5644.000	
3	05/01/2023	74	9057	7204	5530	132042	3614.000	
4	05/01/2023	84	9263	6966	5539	132089	3515.000	
5	05/01/2023	93	9435	6933	6336	132096	3503.000	
6	05/01/2023	85	9180	7534	6042	132096	3613.000	
7	05/01/2023	65	9272	7812	5429	132036	3610.000	
8	05/01/2023	63	9216	7381	6166	132005	3569.000	
9	05/02/2023	41	9388	7654	5688	132010	5419.000	
10	05/02/2023	53	9230	6952	5588	132039	3708.000	
11	05/02/2023	75	9309	7266	5334	132127	3534.000	
12	05/03/2023	45	9329	7952	5452	132024	3496.000	
13	05/03/2023	49	9295	6812	5301	132034	3524.000	
14	05/03/2023	69	9217	7466	5434	132087	3526.000	
15	05/03/2023	73	9209	7198	5780	132089	3618.000	
16	05/03/2023	42	9293	8559	5615	132050	3539.000	
17	05/04/2023	74	9141	7733	5858	132059	3528.000	
18	05/04/2023	60	9257	7746	5604	131990	3503.000	
19	05/04/2023	51	9318	8171	6135	132102	3515.000	
20	05/08/2023	65	9264	7246	5605	132038	3523.000	
21	05/08/2023	65	9371	6881	6091	132083	3541.000	
22	05/08/2023	62	9215	7383	5457	132048	3530.000	
23	05/09/2023	44	8922	7687	5834	132740	7902.000	
24	05/10/2023	78	9324	7646	6131	132011	3832.000	
25	05/10/2023	84	9290	7085	6194	132130	3543.000	
26	05/10/2023	84	9366	7503	5931	132027	3489.000	
27	05/10/2023	57	9259	7461	5506	132153	3507.000	
28	05/11/2023	87	9355	7337	5895	132079	3514.000	
29	05/11/2023	87	9192	7370	5784	132088	3642.000	
30	05/11/2023	40	9240	6663	5252	132002	3495.000	
31	05/12/2023	61	9312	7507	5763	132123	3491.000	
32	05/12/2023	41	9217	8861	5322	132108	3486.000	
33	05/13/2023	61	9278	7617	5361	132086	3750.000	
34	05/14/2023	74	9376	8076	5624	132237	3493.000	
35	05/15/2023	74	9199	8382	6259	132369	3585.000	
36	05/15/2023	76	9319	7850	5753	132301	3455.000	
37	05/15/2023	67	9341	7907	5685	132289	3461.000	
38	05/15/2023	77	9357	7780	5883	132223	3483.000	
39	05/16/2023	74	9266	7499	6005	132354	3454.000	
40	05/16/2023	86	9218	7431	6102	132452	3421.000	
41	05/16/2023	60	9368	7727	5793	132123	3447.000	
42	05/19/2023	45	9304	7815	5461	90155	10452.800	
43	05/19/2023	51	9184	7275	5278	132078	4050.000	

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44	05/19/2023	62	9189	7371	6048	132009	3792.000
45	05/20/2023	78	9118	7238	5800	132405	3599.000
46	05/20/2023	76	9127	7903	5917	132339	3493.000
47	05/20/2023	84	9263	7601	5781	132177	3466.000
48	05/20/2023	55	9193	6940	5829	131975	3623.000
49	05/21/2023	78	9113	6919	6190	132372	3602.000
50	05/21/2023	93	9024	6788	6131	132415	3422.000
51	05/21/2023	71	9319	7560	5619	132035	3517.000
52	05/21/2023	81	9333	7716	5998	132140	3662.000
53	05/21/2023	80	9335	8199	5823	132090	3438.000
54	05/22/2023	79	9208	7260	5979	132387	3505.000
55	05/22/2023	73	9177	8177	5847	132371	3377.000
56	05/22/2023	97	9180	6643	6117	132206	3712.000
57	05/22/2023	84	9339	7330	5753	132053	3600.000
58	05/23/2023	81	9176	7340	6011	132467	3452.000
59	05/23/2023	84	9182	6613	6191	132553	3441.000
60	05/23/2023	87	9349	7700	6104	132194	3364.000
61	05/24/2023	74	9103	8477	5923	132207	3493.000
62	05/24/2023	88	9013	6532	5932	132506	3424.000
63	05/24/2023	68	9211	7581	6162	132112	3458.000
64	05/24/2023	76	9235	7415	6015	132014	3584.000
65	05/24/2023	83	9203	8351	5942	132576	3610.000
66	05/25/2023	79	9182	8045	5739	132326	3649.000
67	05/25/2023	84	9051	7089	6323	132404	3354.000
68	05/25/2023	65	9156	7961	6212	132154	3485.000
69	05/25/2023	67	9196	7737	6142	132052	3423.000
70	05/25/2023	40	9263	7679	5865	132107	3545.000
71	05/25/2023	74	9232	7020	6053	132122	3733.000
72	05/26/2023	73	9208	7889	5799	132104	3478.000
73	05/26/2023	71	9254	8140	5811	132025	3610.000
74	05/27/2023	77	9156	8106	6102	132061	3488.000
75	05/27/2023	92	9113	6342	6305	132016	3408.000
76	05/27/2023	74	9186	8028	6245	132015	3397.000
77	05/27/2023	83	9202	7166	6774	132017	3856.000
78	05/27/2023	77	9152	7163	5954	132025	3571.000
79	05/28/2023	90	9142	6297	5927	132056	3435.000
80	05/28/2023	66	9163	7121	5912	132062	3386.000
81	05/28/2023	86	9207	7159	5795	132035	3467.000
82	05/28/2023	76	9222	7375	6272	132050	3413.000
83	05/28/2023	79	9158	7130	6057	132077	3549.000
84	05/29/2023	86	9146	6788	5968	137305	3451.000
85	05/29/2023	78	9150	6971	6166	132059	3380.000
86	05/29/2023	58	9123	6910	6031	132107	3396.000
87	05/29/2023	84	9224	7311	6575	132002	3438.000
88	05/29/2023	100	8781	6027	6151	132070	3477.000
89	05/29/2023	82	9218	7632	6042	132006	3369.000
90	05/29/2023	69	9168	7388	6022	132099	3456.000

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91	05/30/2023	81	9141	6899	5773	132030	3380.000
92	05/30/2023	100	8654	5968	5808	132084	3370.000
93	05/30/2023	92	9159	6940	5943	132101	3363.000
94	05/30/2023	86	9207	7634	5995	132058	3431.000
95	05/30/2023	93	9244	7596	5721	132006	3478.000
96	05/30/2023	78	9236	7405	5857	132439	3419.000
97	05/30/2023	80	9160	7760	6000	132147	3452.000
98	05/31/2023	80	9173	6866	5439	132058	3344.878
99	05/31/2023	74	9092	7342	5637	132104	3329.000
100	06/01/2023	77	9348	6969	5742	132063	3708.000
101	06/01/2023	83	9221	6767	5660	132341	3405.000
102	06/01/2023	78	9203	7008	5984	132034	3386.000
103	06/02/2023	84	9137	6780	5854	132083	3347.000
104	06/02/2023	77	9145	6583	5787	132040	3377.000
105	06/02/2023	72	9196	6858	5719	132248	3365.000
106	06/02/2023	87	9214	7383	5765	132216	3515.000
107	06/02/2023	75	9202	7931	5500	132118	3462.000
108	06/03/2023	81	9288	6406	5972	132090	3320.000
109	06/03/2023	86	9152	6415	5832	132036	3310.000
110	06/03/2023	79	9147	7034	5520	132018	3359.000
111	06/03/2023	83	9204	6402	5437	132056	3249.000
112	06/03/2023	83	9133	7143	5786	132454	3462.000
113	06/04/2023	70	9126	6811	5668	132017	3253.000
114	06/04/2023	77	9202	6661	5422	132087	3470.000
115	06/04/2023	46	9218	7308	5240	132028	3334.000
116	06/04/2023	88	9223	7035	5209	132078	3395.000
117	06/05/2023	88	9140	7506	5689	132098	3229.000
118	06/05/2023	74	9084	6259	5514	132049	3279.000
119	06/06/2023	83	9089	7839	5702	132350	3363.000
120	06/07/2023	100	9008	6250	5620	132085	3327.000
121	06/07/2023	73	9152	6265	5426	132037	3299.000
122	06/07/2023	83	9093	6871	5807	132110	3235.000
123	06/07/2023	81	9208	6405	5552	132177	3265.000
124	06/07/2023	81	9159	7361	5652	132213	3287.000
125	06/07/2023	83	9123	6805	5816	132098	3377.000
126	06/08/2023	65	9204	7572	5736	132042	3334.000
127	06/08/2023	83	9187	6515	5890	132083	3322.000
128	06/08/2023	77	9192	7112	5799	132168	3372.000
129	06/08/2023	84	9204	8096	5790	132182	3354.000
130	06/09/2023	83	9145	6227	5728	132363	3203.000
131	06/09/2023	95	9100	7131	5949	132466	3190.000
132	06/09/2023	79	9213	6354	5731	132100	3211.000
133	06/09/2023	82	9215	7085	5699	132172	3445.000
134	06/09/2023	84	8885	6790	5884	132172	3464.000
135	06/10/2023	60	9100	6890	5765	132280	3521.000
136	06/10/2023	92	9052	6359	5766	132401	3351.000
137	06/10/2023	82	9073	6530	5495	132198	3368.000

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138	06/10/2023	39	9148	6740	4817	132002	3392.000
139	06/10/2023	77	9057	7437	5612	132272	4444.000
140	06/11/2023	75	8778	7304	5851	132154	3160.000
141	06/12/2023	93	8476	7333	5585	132169	3284.000
142	06/12/2023	96	8854	6272	5542	132232	3390.000
143	06/12/2023	97	8710	6367	5482	132211	3307.000
144	06/12/2023	98	8642	6558	5400	132149	3272.000
145	06/13/2023	96	8809	7118	5815	132185	3244.000
146	06/13/2023	90	8647	6903	5894	132175	3299.000
147	06/13/2023	99	8543	6866	5685	132202	3295.000
148	06/13/2023	87	9198	6915	5984	132392	3326.000
149	06/14/2023	98	8400	6632	6150	132461	3160.000
150	06/14/2023	99	8660	6276	5688	132463	3248.000
151	06/14/2023	94	8463	6476	5734	132140	3254.000
152	06/14/2023	95	8423	6673	5880	132224	3265.000
153	06/14/2023	95	8503	7102	5804	132258	3307.000
154	06/15/2023	95	8965	6682	5611	132424	3300.000
155	06/15/2023	96	8942	6536	5807	132463	3242.000
156	06/15/2023	95	8755	7113	5951	132195	3314.000
157	06/15/2023	94	8830	5816	5777	132210	3142.000
158	06/15/2023	96	8688	6556	6166	132108	3320.000
159	06/16/2023	96	8750	6814	6092	132403	3206.000
160	06/16/2023	98	8865	6677	5986	132433	3159.000
161	06/16/2023	96	8788	6724	6068	132171	3256.000
162	06/16/2023	93	8768	6859	5968	132177	3202.000
163	06/17/2023	94	8868	6837	6118	132443	3182.000
164	06/17/2023	92	8907	6701	6211	132359	3144.000
165	06/17/2023	97	8887	7220	5923	132392	3097.000
166	06/17/2023	94	8616	6635	5993	132087	3193.000
167	06/17/2023	95	8743	6956	6052	132342	3109.000
168	06/17/2023	90	8504	7059	5796	132160	3118.000
169	06/17/2023	96	8825	7666	6218	132481	3272.000
170	06/18/2023	99	8656	7497	6299	132392	3292.000
171	06/18/2023	94	8765	6966	5814	132116	3249.000
172	06/18/2023	93	8696	6991	5937	132120	3205.000
173	06/18/2023	98	8635	7074	5742	132192	3198.000
174	06/18/2023	94	8800	6396	5795	134130	3224.000
175	06/19/2023	99	8765	7141	5888	132427	3169.000
176	06/19/2023	100	8132	6240	5678	132406	3246.000
177	06/19/2023	98	8821	6971	5765	132141	3185.000
178	06/19/2023	99	8830	6808	5634	132104	3107.000
179	06/19/2023	99	8785	6523	5511	132102	3226.000
180	06/19/2023	99	8918	6806	5533	132375	3193.000
181	06/20/2023	100	8710	6584	5539	132392	3246.000
182	06/20/2023	98	8810	7328	5727	132069	3097.000
183	06/20/2023	99	8801	6771	6113	132078	3185.000
184	06/20/2023	100	8665	6989	5497	132087	3176.000

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185	06/21/2023	98	8743	7271	6207	132378	3186.000
186	06/21/2023	96	8922	6861	6141	132364	3172.000
187	06/21/2023	96	8959	6977	6040	132428	3219.000
188	06/21/2023	99	8862	7202	6044	132421	3206.000
189	06/21/2023	94	8843	6719	6056	132381	3140.000
190	06/21/2023	98	8855	6880	6084	132100	3119.000
191	06/21/2023	99	8934	6528	5771	132097	3077.000
192	06/22/2023	97	8782	6755	6071	132419	3143.000
193	06/22/2023	99	8622	6994	5984	132420	3053.000
194	06/22/2023	98	8899	6338	6074	132389	3064.000
195	06/22/2023	97	8918	6511	5799	132123	3170.000
196	06/22/2023	95	8952	6357	5747	132076	3057.000
197	06/22/2023	96	9092	6315	5811	132148	3126.000
198	06/22/2023	98	8799	7481	5845	132059	3208.000
199	06/23/2023	98	8892	7182	5862	132117	3208.000
200	06/23/2023	98	8810	7163	5837	132050	3170.000
201	06/23/2023	99	8529	6240	5856	132095	3111.000
202	06/23/2023	98	9052	6550	5844	132094	3014.000
203	06/23/2023	95	8908	6855	6105	132156	3184.000
204	06/23/2023	94	8685	7266	5712	132080	3142.000
205	06/24/2023	95	8740	6746	5977	132358	3010.000
206	06/24/2023	94	8764	7523	6156	132084	3101.000
207	06/24/2023	99	8600	6747	6144	132107	3023.000
208	06/25/2023	99	8787	6934	6067	132339	3010.000
209	06/25/2023	96	9023	7000	6038	132129	3008.000
210	06/25/2023	98	8879	6852	5786	132107	3111.000
211	06/25/2023	95	8796	6893	5818	132118	2976.000
212	06/26/2023	99	8825	6116	6129	132155	3150.000
213	06/26/2023	100	8675	7618	5689	132114	2997.000
214	06/26/2023	98	8897	6967	5500	132172	3131.000
215	06/26/2023	99	8803	6477	5560	132111	2989.000
216	06/26/2023	100	8881	6781	5915	132100	3052.000
217	06/27/2023	101	8556	7101	5706	132203	3091.000
218	06/27/2023	100	8673	7771	5633	132154	3100.000
219	06/27/2023	99	8806	6762	5781	132035	3092.000
220	06/27/2023	97	8798	7471	5630	132024	3069.000
221	06/27/2023	98	8815	7338	5817	132064	3063.000
222	06/28/2023	99	8646	7133	5768	132078	3099.000
223	06/28/2023	98	8937	6778	5884	132128	3117.000
224	06/28/2023	98	8862	6743	5686	132103	3122.000
225	06/28/2023	99	8689	6820	5871	132078	3074.000
226	06/28/2023	96	8585	6816	5954	132017	3070.000
227	06/28/2023	97	8916	6333	5882	132078	2926.000
228	06/28/2023	96	8875	7109	5723	132002	3074.000
229	06/28/2023	99	8626	6036	5895	132055	3094.000
230	06/28/2023	98	8836	6669	5827	132040	3089.000
231	06/29/2023	99	8817	6623	5884	132041	2928.000
232	06/29/2023	95	8581	6406	5790	131978	3074.000

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233	06/29/2023	97	8867	7236	5841	132357	3105.000
234	06/29/2023	99	8855	6395	5767	132226	3101.000
235	06/29/2023	95	9083	6181	5684	132208	3034.000
236	06/29/2023	95	9045	7178	5656	132161	3068.000
237	06/29/2023	96	8941	7368	5607	132185	3063.000
238	06/29/2023	97	8926	7147	5755	132082	3079.000
239	06/30/2023	96	8996	7470	5740	132053	3071.000
240	06/30/2023	95	9214	7538	5964	132074	3089.000
241	06/30/2023	93	9143	6857	5737	132017	3061.000
242	06/30/2023	95	9002	7408	6058	132114	3045.000
243	07/01/2023	96	8986	6477	5851	132130	2915.000
244	07/02/2023	96	8962	7230	5737	132155	3053.000
245	07/02/2023	95	8993	7325	5747	132122	3035.000
246	07/02/2023	94	8901	7010	5190	132081	3057.000
247	07/04/2023	96	8724	8364	5952	132100	3528.000
248	07/04/2023	99	8894	7173	4703	132041	3050.000
249	07/04/2023	93	8062	6531	5645	132158	3031.000
250	07/04/2023	100	8292	6153	5620	132166	2968.000
251	07/04/2023	100	8252	6207	5335	132191	2883.000
252	07/04/2023	97	8512	6369	5582	132129	2879.000
253	07/04/2023	99	8742	7081	5564	132130	3017.000
254	07/05/2023	98	8645	7361	5757	132083	2860.000
255	07/05/2023	99	8891	6820	5679	132105	2967.000
256	07/05/2023	98	8717	7182	5908	132125	2986.000
257	07/05/2023	99	8652	7367	5622	132049	2965.000
258	07/05/2023	97	8553	7159	5822	132107	3010.000
259	07/05/2023	92	8607	6735	5788	132135	2956.000
260	07/05/2023	91	8864	6940	4835	132119	2997.000
261	07/05/2023	83	9126	7524	5197	132072	3012.000

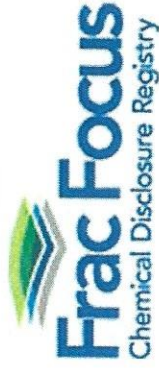
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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/9/2023
Job End Date:	7/11/2023
State:	West Virginia
County:	Wetzel
API Number:	47-103-03433-00-00
Operator Name:	EQT Production
Well Name and Number:	BIG464 5H
Latitude:	39.56769550
Longitude:	-80.51646560
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,475
Total Base Water Volume (gal):	37,007,110
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	EQT	Carrier/Base Fluid	Water	7732-18-5	100.00000	89.42254	None
Sand (Proppant)	EQT	Proppant					
StimSTREAM FR 9800	ChemStream	Friction Reducer	Silica Substrate	14808-60-7	100.00000	9.99089	None
15% HCl	Evolution Well Services	Acid	Copolymer of 2-propenamide	Proprietary	30.00000	0.01289	None
Clearal 268	ChemStream	Biocide	Hydrogen Chloride	7647-01-0	15.00000	0.00942	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor	Non-hazardous substances	Proprietary	80.00000	0.00876	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Non-hazardous substances	Proprietary	90.00000	0.00750	None
StimSTREAM SC-166	Evolution	Acid Corrosion Inhibitor	Petroleum Distillate	64742-47-8	20.00000	0.00573	None
Clearal 268	ChemStream	Biocide	Methanol	67-56-1	90.00000	0.00077	None

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Ferriplex 66	Evolution	Iron Control	Glutaraldehyde	111-30-8	20.00000	0.00055	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor	Acetic Acid	64-19-7	50.00000	0.00023	None
Ferriplex 66	Evolution	Iron Control	Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid)(BHMT)	34690-00-1	10.00000	0.00009	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Citric Acid	000077-92-9	30.00000	0.00008	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00006	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Oleic Acid Diethanolamide	93-83-4	2.00000	0.00006	None
Clearal 268	ChemStream	Biocide	Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00001	None
Clearal 268	ChemStream	Biocide	Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00001	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor	Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00001	None
EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor	Alcohols, C14-C15, ethoxylated	68951-67-7	7.00000	0.00001	None
Clearal 268	ChemStream	Biocide	Pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2	25.00000	0.00000	None
EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor	Ethanol	64-17-5	1.50000	0.00000	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor	Methanol	67-56-1	25.00000	0.00000	None
EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor	Propargyl alcohol	107-19-7	5.00000	0.00000	None
EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor	Ethanoic Acid	64-19-7	15.00000	0.00000	None
EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor	Ethoxylated Alcohols	Proprietary	15.00000	0.00000	None
EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor	Proprietary	Proprietary	10.00000	None	None
EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor	Proprietary	Proprietary	10.00000	None	None
EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor	Ethoxylated Nonylphenols	127087-87-0	5.00000	None	None

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EZ-A 431	Tarquin-Coolpro LLC	Acid Corrosion Inhibitor						
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.								
		2-ethylhexanol	104-76-7	5.00000				None

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

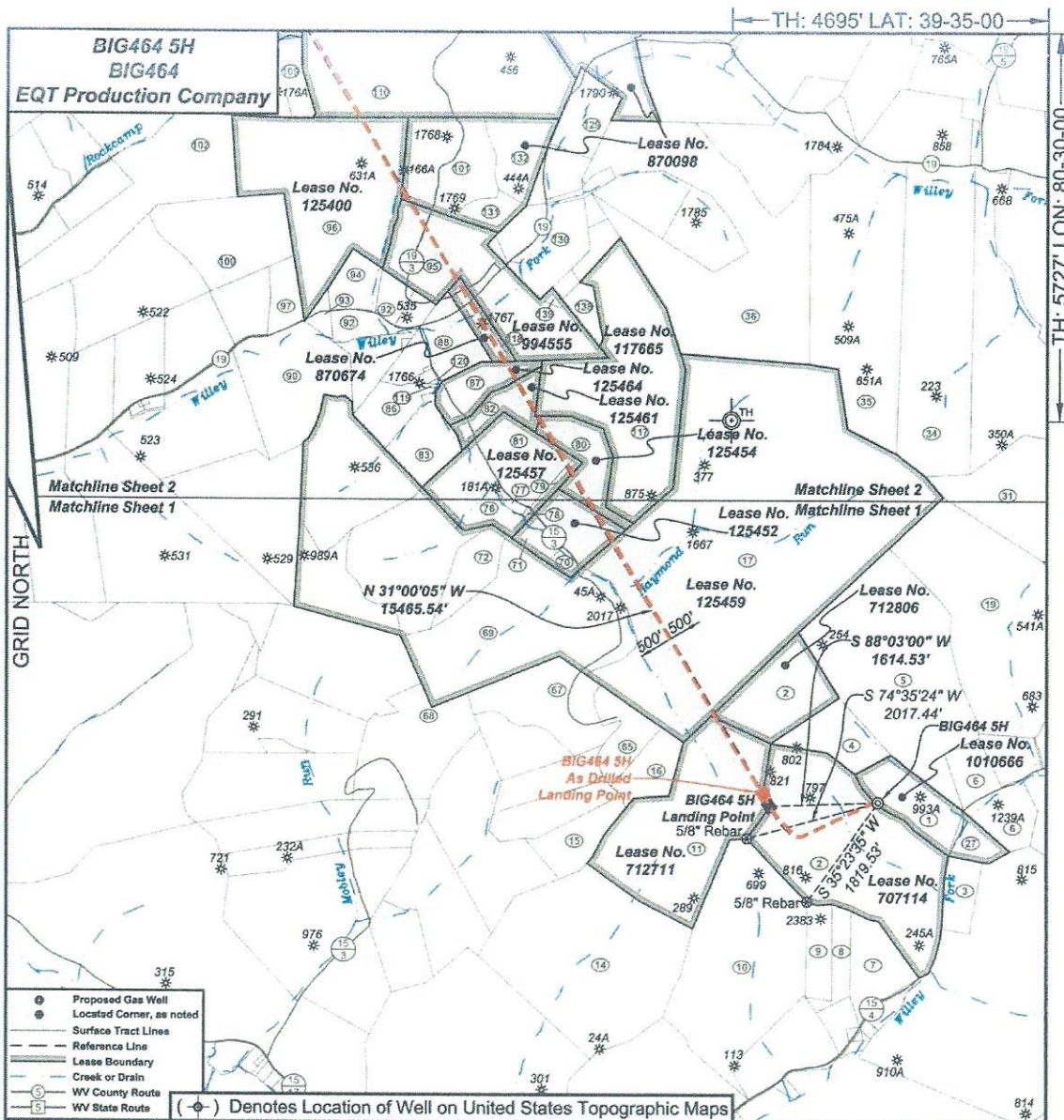
\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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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 Department of Environmental Protection.

*Ben R. Singleton*

P.S. 2092



FILE NO: 125-16  
 DRAWING NO: BIG464 5H  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1:2500  
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: May 02 20 22  
 OPERATOR'S WELL NO.: BIG464 5H  
 API WELL NO  
 47 - 103 - 03433  
 STATE COUNTY PERMIT

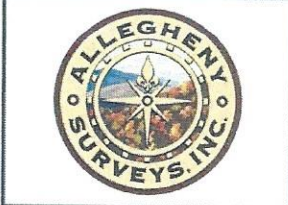
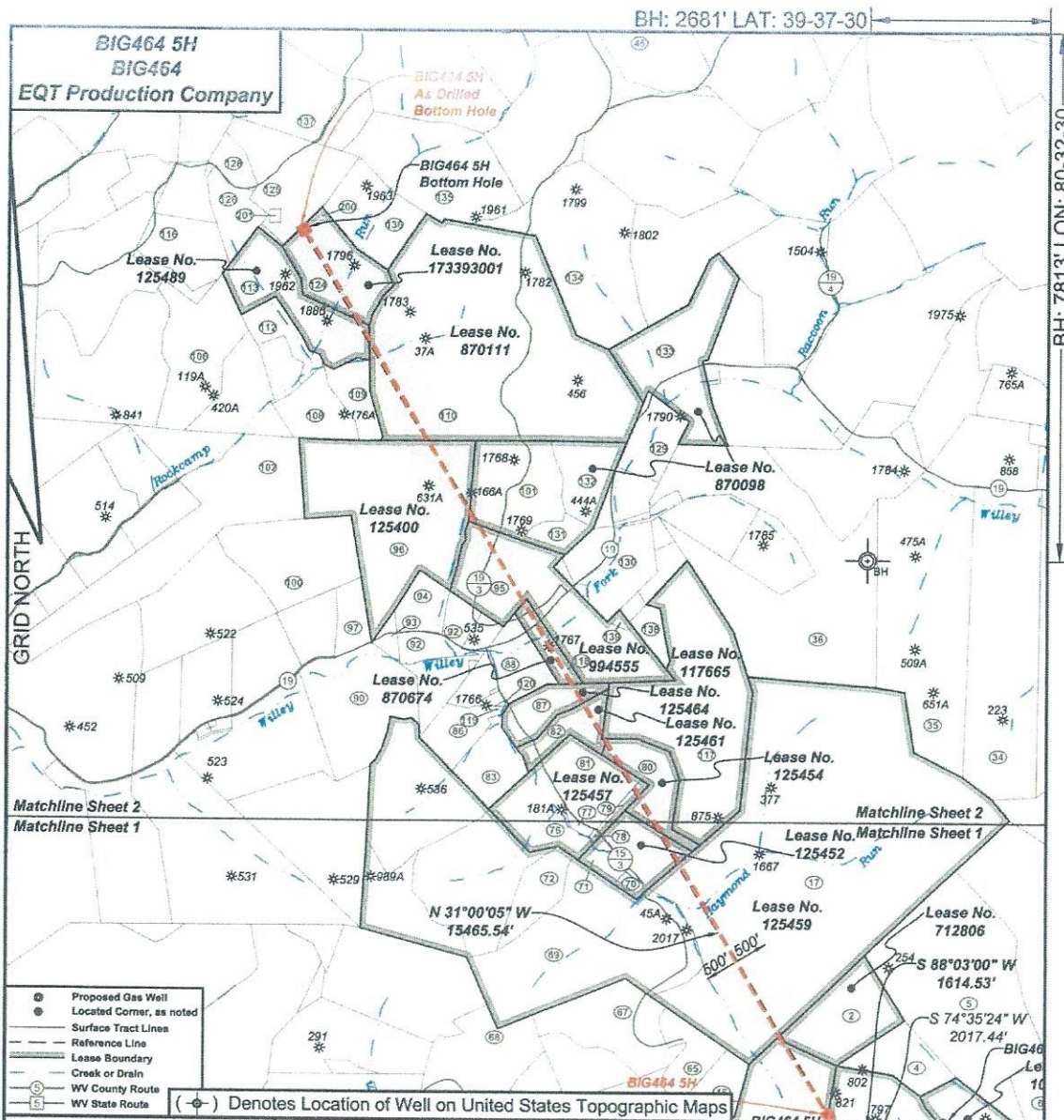
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1246.8' WATERSHED: Wiley Fork QUADRANGLE: Big Run  
 DISTRICT: Grant COUNTY: Wetzel  
 SURFACE OWNER: EQT Production Company ACREAGE: 25.25  
 ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,394'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
 ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280  
 Canonsburg, PA 15317 Bridgeport, WV 26330

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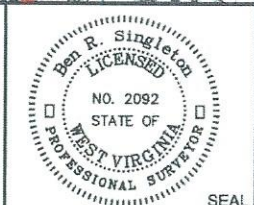
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P.S. 2092



FILE NO: 125-16  
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MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: May 02 20 22  
OPERATOR'S WELL NO.: BIG464 5H  
API WELL NO  
47 - 103 - 03433  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1246.8' WATERSHED: Wiley Fork QUADRANGLE: Big Run  
DISTRICT: Grant COUNTY: Wetzel

SURFACE OWNER: EQT Production Company ACREAGE: 25.25  
ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010886 ACREAGE: 32

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,394'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280  
Canonsburg, PA 15317 Bridgeport, WV 26330

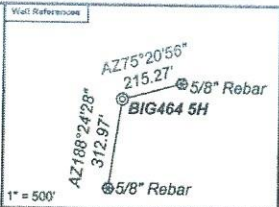
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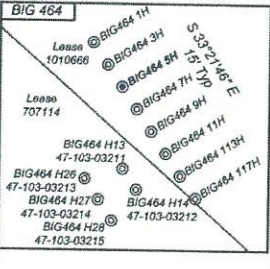


**BIG464 5H**  
**BIG464**  
**EQT Production Company**

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	14	34	Wetzel	Grant	EQT Production Company	25.25
2	20	1	Wetzel	Grant	Coastal Forest Resources Company	520.00
3	15	27	Wetzel	Grant	Beverly Lynn Barr Life Estate	10.00
4	14	27	Wetzel	Grant	EQT Production Company	22.00
5	14	20	Wetzel	Grant	EQT Production Company	125.90
6	15	16	Wetzel	Grant	Donald J. D'Luisky	25.00
7	14	45	Wetzel	Grant	Coastal Forest Resources Company	11.00
8	14	44	Wetzel	Grant	Matzel F. Barr	11.01
9	14	43	Wetzel	Grant	Matzel F. Barr	11.01
10	14	42	Wetzel	Grant	Donald J. D'Luisky	111.00
11	14	33	Wetzel	Grant	Albee H. & Hilda B. Conway	198.00
14	14	40	Wetzel	Grant	Donald J. D'Luisky, Jr.	131.00
15	14	31	Wetzel	Grant	Donald J. D'Luisky, Jr.	19.00
16	14	32	Wetzel	Grant	Mary Jane Byard	13.30
17	14	8	Wetzel	Grant	Coastal Forest Resources Company	332.90
19	15	12	Wetzel	Grant	William Bowers & Donald J. D'Luisky	147.50
27			Wetzel	Grant	NO Tax Map & Parcel Information	
31	15	5	Wetzel	Grant	William Bowers, et al.	43.20
34	10	26	Wetzel	Grant	Coastal Forest Resources Company	107.00
35	9	30	Wetzel	Grant	Coastal Forest Resources Company	128.00
36	9	38	Wetzel	Grant	Terry L. & Carolyn M. Fry	150.08
65	14	26	Wetzel	Grant	Mary Jane Byard	14.90
67	14	25	Wetzel	Grant	ET Blue Grass, LLC	36.88
68	14	23	Wetzel	Grant	Equithane LP	81.00
69	14	19	Wetzel	Grant	Coastal Forest Resources Company	138.60
70	14	13	Wetzel	Grant	Coastal Forest Resources Company	2.80
71	14	14	Wetzel	Grant	Gary L. Elaw	21.40
72	14	19.1	Wetzel	Grant	Thomas J. Parks, et al.	18.82
76	14	12	Wetzel	Grant	Thomas J. Parks, et al.	16.00
77	14	3.1	Wetzel	Grant	Ronald L. & Anne P. Elaw	1.45
78	14	11.1	Wetzel	Grant	James W. & Mary E. Yost	6.36
79	14	4	Wetzel	Grant	Thelma C. Wiley	3.00
80	14	5	Wetzel	Grant	Dale K. & Sherry Dulaney	21.50
81	14	3	Wetzel	Grant	Thelma C. Wiley	34.55
82	9	60	Wetzel	Grant	Jeffrey Willey Life Estate	18.00
93	14	1	Wetzel	Grant	Leonard E. & Edwin C. Rice	21.65
96	9	58	Wetzel	Grant	Leonard E. & Edwin C. Rice	18.50
87	9	59.1	Wetzel	Grant	Clyde R. & Connie L. Fontyca	16.70
88	9	48	Wetzel	Grant	Donald Allen Kennedy	25.00
99	9	55	Wetzel	Grant	Jack L. & Leanna C. Bernette	16.40
92	9	43	Wetzel	Grant	Norman R. & Vivian L. Derby	14.40
95	9	42	Wetzel	Grant	Jack L. & Leanna C. Bernette	2.80
94	9	44	Wetzel	Grant	Billy L. & Barbara L. Brawner	12.55
95	9	30	Wetzel	Grant	John D. Parks, et al.	73.00
96	9	23	Wetzel	Grant	Stephen B. & Carolyn M. Gantz	119.00
97	9	41	Wetzel	Grant	William Schleicher	11.00
100	9	29	Wetzel	Grant	William & Margaret Schleicher	47.90
101	9	24	Wetzel	Grant	John D. Parks, et al.	40.00
102	9	32	Wetzel	Grant	Joe Willie Pigg Heirs	82.40
106	9	63	Wetzel	Grant	Mary Wright, et al.	46.00
108	9	17	Wetzel	Grant	Wanda K. Willey	20.08
109	9	16	Wetzel	Grant	W. K. Willey Estate	13.40
110	9	10	Wetzel	Grant	William B. & Pamela S. Franck	233.37
112	9	9	Wetzel	Grant	Loisie Watson	11.30
113	9	8	Wetzel	Grant	James A. Yoho	45.08
116	9	9	Wetzel	Grant	Mary Wright, et al.	24.00
117	9	61	Wetzel	Grant	Jinboke Quiet Mountain Retreat	114.10
118	9	49	Wetzel	Grant	Donald A. Kennedy Life Estate	8.73
119	9	57	Wetzel	Grant	Leonard E. & Edwin C. Rice	0.28
120	9	56	Wetzel	Grant	Leonard E. & Edwin C. Rice	0.25
124	9	7	Wetzel	Grant	James D. & Collette J. Streets	34.00
125	4	7	Wetzel	Grant	Earl Stankling	45.50
129	4	13	Wetzel	Grant	Olive M. Dill	15.17
128	4	14	Wetzel	Grant	Olive M. Dill	7.50
129	9	02	Wetzel	Grant	William B. & Pamela S. Franck	30.50
130	9	32	Wetzel	Grant	Terry L. & Carolyn M. Fry	23.65

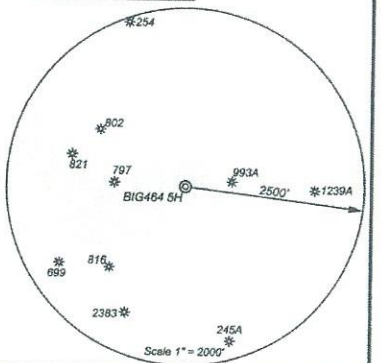


**As Drilled Well Information:**  
BIG464 5H coordinates are  
NAD 27 N: 390,489.48 E: 1,713,307.08  
NAD 83 UTM N: 4,379,869.08 E: 541,533.55  
BIG464 5H Kick Out Point coordinates are  
NAD 27 N: 390,464.05 E: 1,715,405.89  
NAD 83 UTM N: 4,379,867.77 E: 541,535.98  
BIG464 5H Landing Point coordinates are  
NAD 27 N: 390,895.87 E: 1,711,679.31  
NAD 83 UTM N: 4,379,919.07 E: 541,009.28  
BIG464 5H Bottom Hole coordinates are  
NAD 27 N: 403,673.48 E: 1,703,825.51  
NAD 83 UTM N: 4,383,863.39 E: 538,550.14  
West Virginia Coordinate system of 1927 (North Zone) based upon Differential GPS Measurements.  
Plat orientation, corner and well ties are based upon the grid north meridian.  
Well location references are based upon the grid north meridian.  
UTM coordinates are NAD83, Zone 17, Meters.



Lease No.	Owner	Acres
707114	Ridgetop Royalties, LLC, et al.	78
712711	Barbara Lynne Methony, et al.	108
712806	Ridgetop Royalties, LLC, et al.	42
125459	Randel J. Hartman, et al.	693
125452	Lavena Jane Higginbotham	25
125454	Dale K. Dulaney and Sherry Dulaney	25
125457	Kenroth M. Wayman, et al.	17
125481	Ervin Willey and Thomas Willey, et al.	150
117665	AMP Fund III, L.P., et al.	19
125464	Blue J. Cottrell, et al.	19
870674	Anna M. Wolford and David A. Wolford, et al.	8.73
994555	Sherman Hill, et al.	40.5
125400	Robert Barry Myers, Jr., et al.	119
870111	Three Rivers Royalty II, LLC, et al.	234
125489	Shiben Estates, Inc., et al.	46
17339301	Shiben Estates, Inc., et al.	35
870098	David L. Hostuttler, et al.	197

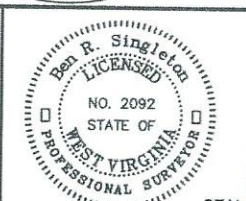
Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
131	9	25	Wetzel	Grant	Deborah Fronczak & John Parks	8.86
132	9	25.1	Wetzel	Grant	William B. & Pamela S. Franck	23.20
133	9	11	Wetzel	Grant	Elizabeth Amundson, et al.	53.37
134	9	2	Wetzel	Grant	Liberty Holding Company	74.50
135	4	8	Wetzel	Grant	James A. Yoho	83.00
136	4	15	Wetzel	Grant	James A. Yoho	30.60
137	4	4	Wetzel	Grant	Ralph D. Thaxter	63.60
138	9	51	Wetzel	Grant	H. J. Zimmerman	8.10
139	9	50	Wetzel	Grant	Terry L. & Carolyn M. Fry	1.30
200	9	7.1	Wetzel	Grant	Barry L. Long	1.00
201	9	1	Wetzel	Grant	Anderson Cemetery	



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 Department of Environmental Protection.

*Ben R. Singleton*

P.S. 2092



FILE NO: 125-16  
DRAWING NO: BIG464 5H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: May 02 20 22  
OPERATOR'S WELL NO.: BIG464 5H  
API WELL NO  
47 - 103 - 03433  
STATE COUNTY PERMIT

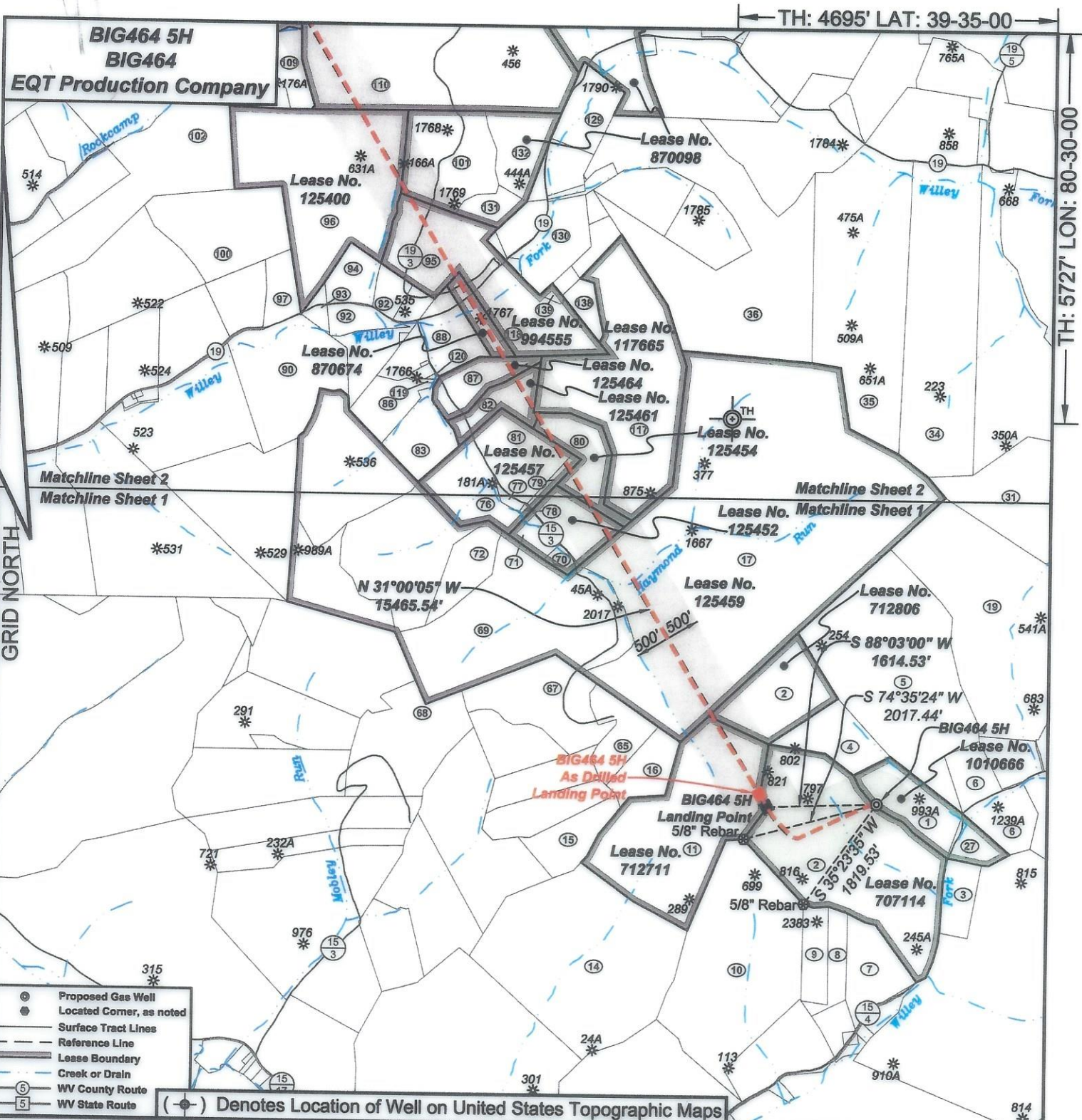
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1246.8' WATERSHED: Wiley Fork QUADRANGLE: Big Run  
DISTRICT: Grant COUNTY: Wetzel  
SURFACE OWNER: EQT Production Company ACREAGE: 25.25  
ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010668 ACREAGE: 32  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,394'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280  
Canonsburg, PA 15317 Bridgeport, WV 26330

RECEIVED  
Office of Oil and Gas  
NOV 13 2023  
WV Department of Environmental Protection

03/01/2024





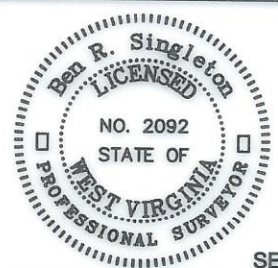
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

() Denotes Location of Well on United States Topographic Maps



*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 Department of Environmental Protection.*

*Ben R. Singleton*  
P.S. 2092



FILE NO: 125-16  
DRAWING NO: BIG464 5H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: May 02 20 22  
OPERATOR'S WELL NO.: BIG464 5H  
API WELL NO  
47 - 103 - 03433  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1246.8' WATERSHED: Wiley Fork QUADRANGLE: Big Run  
DISTRICT: Grant COUNTY: Wetzel

SURFACE OWNER: EQT Production Company ACREAGE: 25.25  
ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,394'

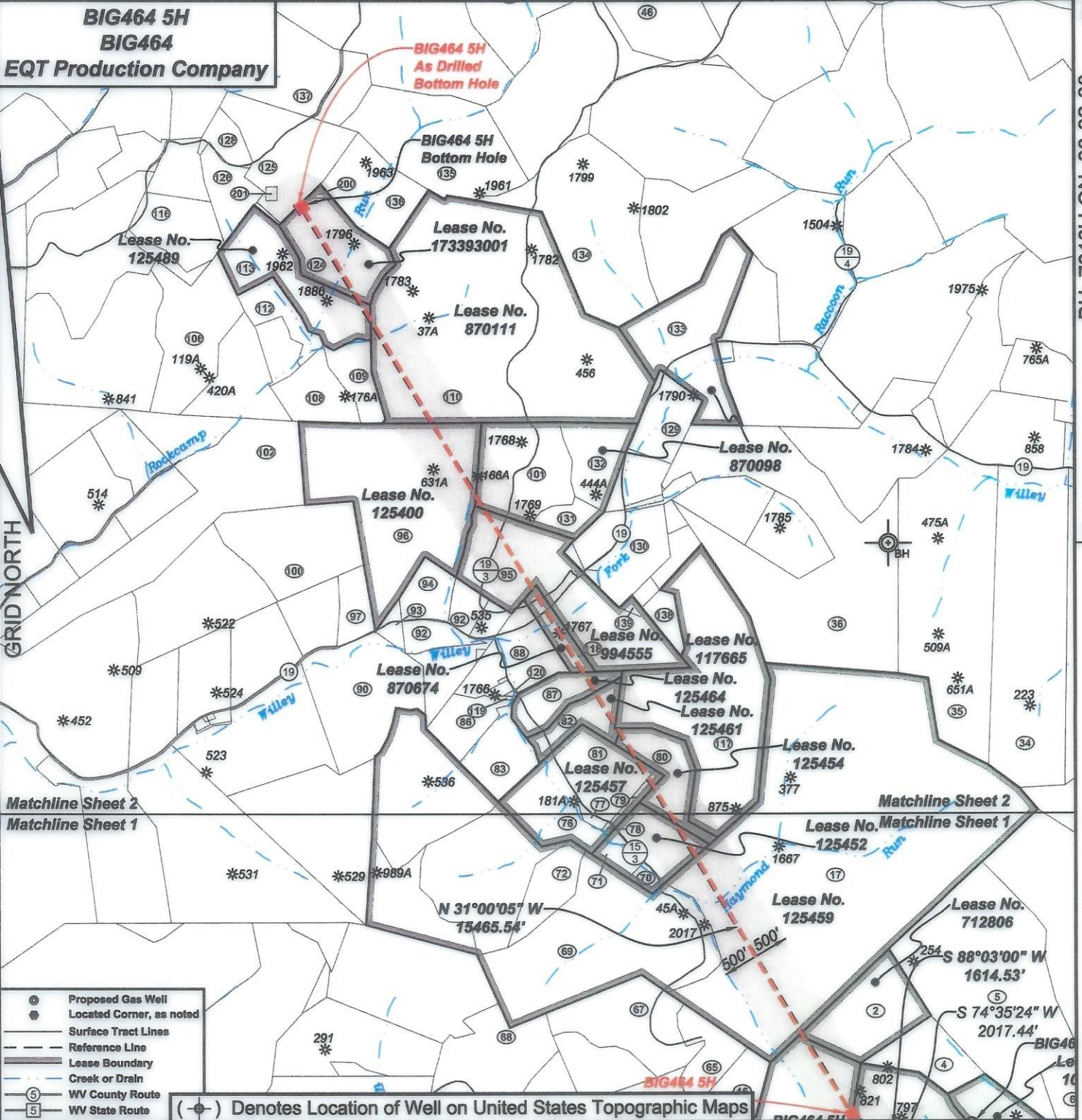
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280  
Canonsburg, PA 15317 Bridgeport, WV 26330

03/01/2024



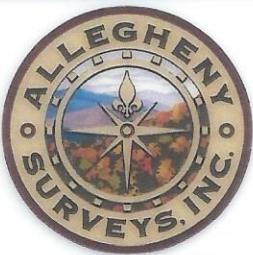
BH: 2681' LAT: 39-37-30

BH: 7813' LON: 80-32-30



- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- - - Reference Line
- ▬ Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑤ WV State Route

(-○-) Denotes Location of Well on United States Topographic Maps



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*Ben R. Singleton*  
P.S. 2092



SEAL

FILE NO: 125-16  
DRAWING NO: BIG464 5H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: May 02 20 22  
OPERATOR'S WELL NO.: BIG464 5H  
API WELL NO  
47 - 103 - 03433  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1246.8' WATERSHED Wiley Fork QUADRANGLE: Big Run  
DISTRICT: Grant COUNTY: Wetzel

SURFACE OWNER: EQT Production Company ACREAGE: 22.25  
ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,394'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280  
Canonsburg, PA 15317 Bridgeport, WV 26330

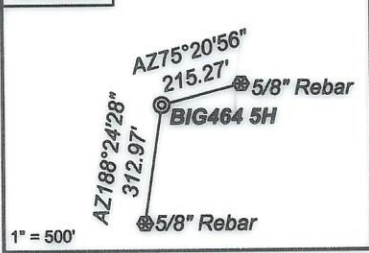
03/01/2024



**BIG464 5H**  
**BIG464**  
**EQT Production Company**

Tract ID.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	14	34	Wetzel	Grant	EQT Production Company	26.25
2	20	1	Wetzel	Grant	Coastal Forest Resources Company	520.00
3	15	27	Wetzel	Grant	Beverly Lynn Barr Life Estate	10.00
4	14	27	Wetzel	Grant	EQT Production Company	22.00
5	14	20	Wetzel	Grant	EQT Production Company	128.50
6	15	18	Wetzel	Grant	Donald J. D'Lusky	25.00
7	14	45	Wetzel	Grant	Coastal Forest Resources Company	11.00
8	14	44	Wetzel	Grant	Mabel F. Barr	11.00
9	14	43	Wetzel	Grant	Mabel F. Barr	11.01
10	14	42	Wetzel	Grant	Donald J. D'Lusky	111.00
11	14	33	Wetzel	Grant	Allee H. & Hilde B. Conaway	108.00
14	14	40	Wetzel	Grant	Donald J. D'Lusky, Jr.	131.00
15	14	31	Wetzel	Grant	Donald J. D'Lusky, Jr.	18.00
16	14	32	Wetzel	Grant	Mary Jane Byard	13.30
17	14	6	Wetzel	Grant	Coastal Forest Resources Company	332.90
19	15	12	Wetzel	Grant	William Bowers & Donald J. D'Lusky	147.50
27			Wetzel	Grant	No Tax Map & Parcel Information	
31	15	5	Wetzel	Grant	William Bowers, et al.	43.20
34	10	28	Wetzel	Grant	Coastal Forest Resources Company	107.00
35	9	39	Wetzel	Grant	Coastal Forest Resources Company	128.00
36	9	38	Wetzel	Grant	Terry L. & Carolyn M. Fry	155.08
65	14	26	Wetzel	Grant	Mary Jane Byard	14.50
67	14	25	Wetzel	Grant	ET Blue Grass, LLC	35.88
68	14	23	Wetzel	Grant	Equitrans LP	51.00
69	14	19	Wetzel	Grant	Coastal Forest Resources Company	138.68
70	14	13	Wetzel	Grant	Coastal Forest Resources Company	2.80
71	14	14	Wetzel	Grant	Gary L. Efew	21.40
72	14	19.1	Wetzel	Grant	Thomas J. Parks, et al.	16.82
76	14	12	Wetzel	Grant	Thomas J. Parks, et al.	16.00
77	14	3.1	Wetzel	Grant	Ronald L. & Anne P. Efew	1.45
78	14	11.1	Wetzel	Grant	James W. & Mary E. Yost	0.36
79	14	4	Wetzel	Grant	Thelma C. Willey	3.00
80	14	5	Wetzel	Grant	Dale K. & Sherry Dulaney	21.50
81	14	3	Wetzel	Grant	Thelma C. Willey	34.55
82	9	60	Wetzel	Grant	Jeffery Willey Life Estate	16.50
83	14	1	Wetzel	Grant	Leonard E. & Edwin C. Rice	21.85
86	9	56	Wetzel	Grant	Leonard E. & Edwin C. Rice	16.50
87	9	59.1	Wetzel	Grant	Clydie R. & Connie L. Fordyce	16.70
88	9	48	Wetzel	Grant	Donald Allen Kennedy	26.80
90	9	55	Wetzel	Grant	Jack L. & Leanna C. Barnette	18.40
92	9	43	Wetzel	Grant	Norman R. & Vivian L. Derby	14.40
93	9	42	Wetzel	Grant	Jack L. & Leanna C. Barnette	2.89
94	9	44	Wetzel	Grant	Billy L. & Barbara L. Brewer	12.55
95	9	30	Wetzel	Grant	John D. Parks, et al.	73.66
96	9	23	Wetzel	Grant	Stephen B. & Carolyn M. Gantz	119.00
97	9	41	Wetzel	Grant	William Schleicher	11.58
100	9	29	Wetzel	Grant	William & Margaret Schleicher	47.90
101	9	24	Wetzel	Grant	John D. Parks, et al.	40.00
102	8	32	Wetzel	Grant	Joe Willis Pigg Helms	82.40
108	9	63	Wetzel	Grant	Mary Wright, et al.	46.00
108	9	17	Wetzel	Grant	Wanda K. Willey	20.08
109	9	18	Wetzel	Grant	W. K. Willey Estate	13.40
110	9	10	Wetzel	Grant	William B. & Pamela Francik	233.37
112	9	9	Wetzel	Grant	Loesie Watson	11.30
113	9	6	Wetzel	Grant	James A. Yoho	45.08
116	8	9	Wetzel	Grant	Mary Wright, et al.	24.00
117	9	61	Wetzel	Grant	Jimbo's Quiet Mountain Retreat	114.10
118	9	49	Wetzel	Grant	Donald A. Kennedy Life Estate	8.73
119	9	57	Wetzel	Grant	Leonard E. & Edwin C. Rice	0.28
120	9	58	Wetzel	Grant	Leonard E. & Edwin C. Rice	0.25
124	9	7	Wetzel	Grant	James D. & Collette J. Streets	34.00
125	4	7	Wetzel	Grant	Earl Stoneking	45.50
126	4	13	Wetzel	Grant	Olive M. Utt	15.17
128	4	14	Wetzel	Grant	Olive M. Utt	7.60
129	9	62	Wetzel	Grant	William B. & Pamela S. Francik	30.50
130	9	32	Wetzel	Grant	Terry L. & Carolyn M. Fry	23.85

**Well References**

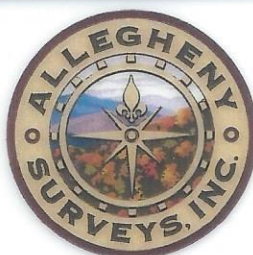
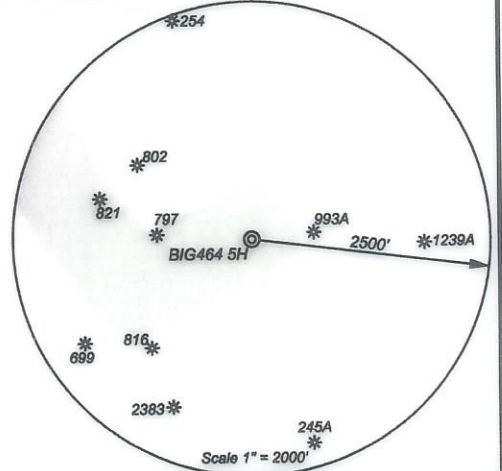


**As Drilled Well Information:**  
BIG464 5H coordinates are  
NAD 27 N: 390,468.48 E: 1,713,397.98  
NAD 83 UTM N: 4,379,889.08 E: 541,533.55  
BIG464 5H Kick Out Point coordinates are  
NAD 27 N: 390,464.05 E: 1,713,405.89  
NAD 83 UTM N: 4,379,887.77 E: 541,535.98  
BIG464 5H Landing Point coordinates are  
NAD 27 N: 390,595.67 E: 1,711,679.31  
NAD 83 UTM N: 4,379,919.07 E: 541,009.28  
BIG464 5H Bottom Hole coordinates are  
NAD 27 N: 403,673.48 E: 1,703,825.51  
NAD 83 UTM N: 4,383,863.39 E: 538,550.14  
West Virginia Coordinate system of 1927 (North Zone)  
based upon Differential GPS Measurements.  
Plat orientation, corner and well ties are based upon  
the grid north meridian.  
Well location references are based upon the grid north  
meridian.  
UTM coordinates are NAD83, Zone 17, Meters.



Lease No.	Owner	Acres
707114	Ridgetop Royalties, LLC, et al.	78
712711	Barbara Lynne Metheny, et al.	108
712806	Ridgetop Royalties, LLC, et al.	42
125459	Randel J. Hartman, et al.	693
125452	Lavena Jane Higginbotham	25
125454	Dale K. Dulaney and Sherry Dulaney	25
125457	Kenneth M. Wayman, et al.	17
125461	Ervin Willey and Theimas Willey, et al.	55
117665	AMP Fund III, L.P., et al.	150
125464	Dara J. Cottrell, et al.	19
870674	Anna M. Wolford and David A. Wolford, et al.	8.73
994555	Sherman Hill, et al.	40.5
125400	Robert Barry Myers, Jr., et al.	119
870111	Three Rivers Royalty II, LLC, et al.	234
125489	Shiben Estates, Inc., et al.	46
173393001	Shiben Estates, Inc., et al.	35
870098	David L. Hostutler, et al.	197

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
131	9	25	Wetzel	Grant	Deborah Fronczak & John Parks	8.98
132	9	25.1	Wetzel	Grant	William B. & Pamela S. Francik	23.20
133	9	11	Wetzel	Grant	Elizabeth Amundson, et al.	53.37
134	9	2	Wetzel	Grant	Liberty Holding Company	74.50
135	4	8	Wetzel	Grant	James A. Yoho	63.00
136	4	15	Wetzel	Grant	James A. Yoho	30.00
137	4	4	Wetzel	Grant	Ralph D. Thacker	53.50
138	9	51	Wetzel	Grant	H. J. Zimmerman	6.10
139	9	50	Wetzel	Grant	Terry L. & Carolyn M. Fry	1.30
200	9	7.1	Wetzel	Grant	Barry L. Long	1.00
201	9	1	Wetzel	Grant	Anderson Cemetery	



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P.S. 2092



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SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station



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OPERATOR'S WELL NO.: BIG464 5H  
API WELL NO  
47 - 103 - 03433  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
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SURFACE OWNER: EQT Production Company ACREAGE: 32  
ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32  
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