

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

API 47-103-03432 County Wetzel District Grant
Quad Big Run Pad Name BIG464 Field/Pool Name N/A
Farm name EQT Production Company Well Number BIG464 3H (L004013)
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 4,379,892.85 Easting 541,530.97
Landing Point of Curve Northing 4,379,791.44 Easting 540,725.59
Bottom Hole Northing 4,383,699.65 Easting 538,288.55

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 13.75 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 04/13/2022
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

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

Freshwater depth(s) ft 96,175,239,419 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1711,1835 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 535,782,876,901 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

Reviewed by:

1-2-24

03/01/2024

API 47- 103 03432 Farm name EQT Production Company Well number BIG464 3H (L004013)

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"	1026'	NEW	J-55 54.5#	879'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2451'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	6"	23,662'	NEW	P110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 860' 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 ³ /sks)	Volume (ft ³)	Cement Top (GL)	WOC (hrs)
Conductor	CLASS A	83	15.6	1.18	98	0	8+
Surface	CLASS A	920	16.0	1.13	1039	0	8
Coal							
Intermediate 1	CLASS A	890	15.6	1.18	1050	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4515	15.2	1.04	4695	860'	8+
Tubing							

Drillers TD (ft) 23,680' Loggers TD (ft) N/A
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure Air Drop Plug: 11/10/2021; From 237' to 843'; Pumped 178bbls/992sks Class A Cmt @ 17ppg/1.01yld.

Kick off depth (ft) 2523'

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 2024' _____

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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API 47- 103 - 03432 Farm name EQT Production Company Well number BIG464 3H (L004013)

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 3H (L004013) Final Formations API# 47-103-03432				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	535	535
Waynesburg Coal	535	535	538	538
Sand/Shale	538	538	782	782
Mapleton Coal	782	782	784	784
Sand/Shale	784	784	876	876
Sewickley Coal	876	876	879	879
Sand/Shale	879	879	901	901
Pittsburgh Coal	901	901	909	909
Sand/Shale	909	909	1,793	1,792
Maxton	1,793	1,792	1,972	1,971
Sand/Shale	1,972	1,971	2,235	2,234
Big Lime	2,235	2,234	2,311	2,310
Sand/Shale	2,311	2,310	2,323	2,322
Big Injun	2,323	2,322	2,392	2,391
Sand/Shale	2,392	2,391	2,521	2,520
Weir	2,521	2,520	2,671	2,670
Sand/Shale	2,671	2,670	2,736	2,735
Gantz	2,736	2,735	2,772	2,771
Sand/Shale	2,772	2,771	2,877	2,875
Fifty foot	2,877	2,875	2,933	2,931
Sand/Shale	2,933	2,931	2,972	2,969
Thirty foot	2,972	2,969	2,999	2,996
Sand/Shale	2,999	2,996	3,028	3,024
Gordon	3,028	3,024	3,073	3,068
Sand/Shale	3,073	3,068	3,098	3,093
Forth Sand	3,098	3,093	3,111	3,105
Sand/Shale	3,111	3,105	3,170	3,163
Fifth Sand	3,170	3,163	3,189	3,181
Sand/Shale	3,189	3,181	3,223	3,214
Bayard	3,223	3,214	3,241	3,232
Sand/Shale	3,241	3,232	3,646	3,619
Warren	3,646	3,619	3,670	3,641
Sand/Shale	3,670	3,641	3,766	3,728
Speechley	3,766	3,728	3,814	3,771
Sand/Shale	3,814	3,771	4,124	4,043
Balltown A	4,124	4,043	4,139	4,057
Sand/Shale	4,139	4,057	4,609	4,469
Riley	4,609	4,469	4,651	4,505
Sand/Shale	4,651	4,505	5,238	5,092
Benson	5,238	5,002	5,287	5,043
Sand/Shale	5,287	5,043	5,652	5,355
Alexander	5,652	5,355	5,719	5,412
Elks	5,719	5,412	7,329	6,773
Sonyea	7,329	6,773	7,541	6,951
Middlesex	7,541	6,951	7,758	7,125

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Genesee	7,758	7,125	7,891	7,220
Geneseo	7,891	7,220	7,936	7,248
Tully	7,936	7,248	7,979	7,273
Hamilton	7,979	7,273	8,385	7,405
Marcellus	8,385	7,405	23,680	7,451

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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	04/22/2023	23566	23525	15	Marcellus
3	04/22/2023	23506	23465	15	Marcellus
4	04/23/2023	23446	23405	15	Marcellus
5	04/23/2023	23386	23345	15	Marcellus
6	04/24/2023	23326	23285	15	Marcellus
7	04/24/2023	23266	23225	15	Marcellus
8	04/24/2023	23206	23165	15	Marcellus
9	04/24/2023	23146	23105	15	Marcellus
10	04/25/2023	23086	23045	15	Marcellus
11	04/27/2023	23026	22985	15	Marcellus
12	04/27/2023	22966	22925	15	Marcellus
13	04/27/2023	22906	22865	15	Marcellus
14	04/28/2023	22846	22805	15	Marcellus
15	04/28/2023	22786	22745	15	Marcellus
16	04/28/2023	22726	22685	15	Marcellus
17	04/29/2023	22666	22625	15	Marcellus
18	04/29/2023	22606	22565	15	Marcellus
19	04/30/2023	22546	22505	15	Marcellus
20	04/30/2023	22486	22445	15	Marcellus
21	04/30/2023	22426	22385	15	Marcellus
22	05/02/2023	22366	22325	15	Marcellus
23	05/02/2023	22306	22265	15	Marcellus
24	05/03/2023	22246	22205	15	Marcellus
25	05/03/2023	22186	22145	15	Marcellus
26	05/03/2023	22126	22085	15	Marcellus
27	05/04/2023	22066	22025	15	Marcellus
28	05/04/2023	22006	21965	15	Marcellus
29	05/04/2023	21946	21905	15	Marcellus
30	05/31/2023	21886	21845	15	Marcellus
31	06/01/2023	21826	21785	15	Marcellus
32	06/01/2023	21766	21725	15	Marcellus
33	06/01/2023	21706	21665	15	Marcellus
34	06/01/2023	21646	21605	15	Marcellus
35	06/02/2023	21586	21545	15	Marcellus
36	06/02/2023	21526	21485	15	Marcellus
37	06/02/2023	21466	21425	15	Marcellus
38	06/02/2023	21406	21365	15	Marcellus
39	06/02/2023	21346	21305	15	Marcellus
40	06/03/2023	21286	21245	15	Marcellus
41	06/03/2023	21226	21185	15	Marcellus
42	06/03/2023	21166	21125	15	Marcellus
43	06/04/2023	21106	21065	15	Marcellus
44	06/04/2023	21046	21005	15	Marcellus

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45	06/06/2023	20986	20945	15	Marcellus
46	06/07/2023	20926	20885	15	Marcellus
47	06/07/2023	20866	20825	15	Marcellus
48	06/07/2023	20806	20765	15	Marcellus
49	06/07/2023	20746	20705	15	Marcellus
50	06/08/2023	20686	20645	15	Marcellus
51	06/08/2023	20626	20585	15	Marcellus
52	06/08/2023	20566	20525	15	Marcellus
53	06/08/2023	20506	20465	15	Marcellus
54	06/08/2023	20446	20405	15	Marcellus
55	06/09/2023	20386	20345	15	Marcellus
56	06/09/2023	20326	20285	15	Marcellus
57	06/18/2023	20266	20225	15	Marcellus
58	06/18/2023	20206	20165	15	Marcellus
59	06/18/2023	20146	20105	15	Marcellus
60	06/18/2023	20086	20045	15	Marcellus
61	06/18/2023	20026	19985	15	Marcellus
62	06/19/2023	19966	19925	15	Marcellus
63	06/19/2023	19906	19865	15	Marcellus
64	06/19/2023	19846	19805	15	Marcellus
65	06/19/2023	19786	19745	15	Marcellus
67	06/19/2023	19666	19625	15	Marcellus
68	06/19/2023	19606	19565	15	Marcellus
69	06/20/2023	19546	19505	15	Marcellus
70	06/20/2023	19486	19445	15	Marcellus
71	06/20/2023	19426	19385	15	Marcellus
72	06/20/2023	19366	19325	15	Marcellus
73	06/20/2023	19306	19265	15	Marcellus
74	06/21/2023	19246	19205	15	Marcellus
75	06/21/2023	19186	19145	15	Marcellus
76	06/21/2023	19126	19085	15	Marcellus
77	06/21/2023	19066	19025	15	Marcellus
79	06/21/2023	18946	18905	15	Marcellus
80	06/21/2023	18886	18845	15	Marcellus
81	06/22/2023	18826	18785	15	Marcellus
82	06/22/2023	18766	18725	15	Marcellus
83	06/22/2023	18706	18665	15	Marcellus
84	06/22/2023	18646	18605	15	Marcellus
85	06/22/2023	18586	18545	15	Marcellus
86	06/22/2023	18526	18485	15	Marcellus
87	06/23/2023	18466	18425	15	Marcellus
88	06/23/2023	18406	18365	15	Marcellus
89	06/23/2023	18346	18305	15	Marcellus
91	06/23/2023	18226	18185	15	Marcellus
92	06/23/2023	18166	18125	15	Marcellus
93	06/23/2023	18106	18065	15	Marcellus
94	06/24/2023	18046	18005	15	Marcellus

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95	06/24/2023	17986	17945	15	Marcellus
96	06/24/2023	17926	17885	15	Marcellus
97	06/24/2023	17866	17825	15	Marcellus
98	06/24/2023	17806	17765	15	Marcellus
99	06/25/2023	17746	17705	15	Marcellus
100	06/25/2023	17686	17645	15	Marcellus
101	06/25/2023	17626	17585	15	Marcellus
102	06/25/2023	17566	17525	15	Marcellus
103	06/25/2023	17506	17465	15	Marcellus
104	06/26/2023	17446	17405	15	Marcellus
105	06/26/2023	17386	17345	15	Marcellus
106	06/26/2023	17326	17285	15	Marcellus
107	06/26/2023	17266	17225	15	Marcellus
108	06/26/2023	17206	17165	15	Marcellus
109	06/26/2023	17146	17105	15	Marcellus
110	06/27/2023	17086	17045	15	Marcellus
111	06/27/2023	17026	16985	15	Marcellus
112	06/27/2023	16966	16925	15	Marcellus
113	06/27/2023	16906	16865	15	Marcellus
114	06/27/2023	16846	16805	15	Marcellus
115	06/27/2023	16786	16745	15	Marcellus
116	06/27/2023	16726	16685	15	Marcellus
117	06/27/2023	16666	16625	15	Marcellus
118	06/28/2023	16606	16565	15	Marcellus
119	06/28/2023	16546	16505	15	Marcellus
120	06/28/2023	16486	16445	15	Marcellus
121	06/28/2023	16426	16385	15	Marcellus
122	06/28/2023	16366	16325	15	Marcellus
123	06/28/2023	16306	16265	15	Marcellus
124	06/28/2023	16246	16205	15	Marcellus
125	06/29/2023	16186	16145	15	Marcellus
126	06/29/2023	16126	16085	15	Marcellus
127	06/29/2023	16066	16025	15	Marcellus
128	06/29/2023	16006	15965	15	Marcellus
129	06/29/2023	15946	15905	15	Marcellus
130	06/29/2023	15886	15845	15	Marcellus
131	06/29/2023	15826	15785	15	Marcellus
132	06/29/2023	15766	15725	15	Marcellus
133	06/29/2023	15706	15665	15	Marcellus
134	06/29/2023	15646	15605	15	Marcellus
135	06/30/2023	15586	15545	15	Marcellus
136	06/30/2023	15526	15485	15	Marcellus
137	07/01/2023	15466	15425	15	Marcellus
138	07/01/2023	15406	15365	15	Marcellus
139	07/01/2023	15346	15305	15	Marcellus
140	07/02/2023	15286	15245	15	Marcellus
141	07/02/2023	15226	15185	15	Marcellus

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142	07/02/2023	15166	15125	15	Marcellus
143	07/02/2023	15106	15065	15	Marcellus
144	07/02/2023	15046	15005	15	Marcellus
145	07/02/2023	14986	14945	15	Marcellus
146	07/02/2023	14926	14885	15	Marcellus
147	07/02/2023	14866	14825	15	Marcellus
148	07/03/2023	14806	14765	15	Marcellus
149	07/03/2023	14746	14705	15	Marcellus
150	07/03/2023	14686	14645	15	Marcellus
151	07/03/2023	14626	14585	15	Marcellus
152	07/03/2023	14566	14525	15	Marcellus
153	07/03/2023	14506	14465	15	Marcellus
154	07/03/2023	14446	14405	15	Marcellus
155	07/03/2023	14386	14345	15	Marcellus
156	07/03/2023	14326	14285	15	Marcellus
157	07/03/2023	14266	14225	15	Marcellus
158	07/03/2023	14206	14165	15	Marcellus
159	07/04/2023	14146	14105	15	Marcellus
160	07/04/2023	14086	14045	15	Marcellus
161	07/04/2023	14026	13985	15	Marcellus
162	07/04/2023	13966	13925	15	Marcellus
163	07/04/2023	13906	13865	15	Marcellus
164	07/04/2023	13846	13805	15	Marcellus
165	07/04/2023	13786	13745	15	Marcellus
166	07/04/2023	13726	13685	15	Marcellus
167	07/04/2023	13666	13625	15	Marcellus
168	07/04/2023	13606	13565	15	Marcellus
169	07/04/2023	13546	13505	15	Marcellus
170	07/05/2023	13486	13445	15	Marcellus
171	07/05/2023	13426	13385	15	Marcellus
172	07/05/2023	13366	13325	15	Marcellus
173	07/05/2023	13306	13265	15	Marcellus
174	07/05/2023	13246	13205	15	Marcellus
175	07/05/2023	13186	13145	15	Marcellus
176	07/05/2023	13126	13085	15	Marcellus
177	07/05/2023	13066	13025	15	Marcellus
178	07/06/2023	13006	12965	15	Marcellus
179	07/06/2023	12946	12905	15	Marcellus
180	07/06/2023	12886	12845	15	Marcellus
181	07/06/2023	12826	12785	15	Marcellus
182	07/06/2023	12766	12725	15	Marcellus
183	07/06/2023	12706	12665	15	Marcellus
184	07/06/2023	12646	12605	15	Marcellus
185	07/06/2023	12586	12545	15	Marcellus
186	07/06/2023	12526	12485	15	Marcellus
187	07/06/2023	12466	12425	15	Marcellus
188	07/06/2023	12406	12365	15	Marcellus

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189	07/06/2023	12346	12305	15	Marcellus
190	07/06/2023	12286	12245	15	Marcellus
191	07/07/2023	12226	12185	15	Marcellus
192	07/07/2023	12166	12125	15	Marcellus
193	07/07/2023	12106	12065	15	Marcellus
194	07/07/2023	12046	12005	15	Marcellus
195	07/07/2023	11986	11945	15	Marcellus
196	07/07/2023	11926	11885	15	Marcellus
197	07/07/2023	11866	11825	15	Marcellus
198	07/07/2023	11806	11765	15	Marcellus
199	07/07/2023	11746	11705	15	Marcellus
200	07/07/2023	11686	11645	15	Marcellus
201	07/07/2023	11626	11585	15	Marcellus
202	07/07/2023	11566	11525	15	Marcellus
203	07/07/2023	11506	11465	15	Marcellus
204	07/07/2023	11446	11405	15	Marcellus
205	07/07/2023	11386	11345	15	Marcellus
206	07/08/2023	11326	11285	15	Marcellus
207	07/08/2023	11266	11225	15	Marcellus
208	07/08/2023	11206	11165	15	Marcellus
209	07/08/2023	11146	11105	15	Marcellus
210	07/08/2023	11086	11045	15	Marcellus
211	07/08/2023	11026	10985	15	Marcellus
212	07/08/2023	10966	10925	15	Marcellus
213	07/08/2023	10906	10865	15	Marcellus
214	07/08/2023	10846	10805	15	Marcellus
215	07/08/2023	10786	10745	15	Marcellus
216	07/08/2023	10726	10685	15	Marcellus
217	07/08/2023	10666	10625	15	Marcellus
218	07/08/2023	10606	10565	15	Marcellus
219	07/08/2023	10546	10505	15	Marcellus
220	07/08/2023	10486	10445	15	Marcellus
221	07/08/2023	10426	10385	15	Marcellus
222	07/09/2023	10366	10325	15	Marcellus
223	07/09/2023	10306	10265	15	Marcellus
224	07/09/2023	10246	10205	15	Marcellus
225	07/09/2023	10186	10145	15	Marcellus
226	07/09/2023	10126	10085	15	Marcellus
227	07/09/2023	10066	10025	15	Marcellus
228	07/09/2023	10006	9965	15	Marcellus
229	07/09/2023	9946	9905	15	Marcellus
230	07/09/2023	9886	9845	15	Marcellus
231	07/09/2023	9826	9785	15	Marcellus
232	07/09/2023	9766	9725	15	Marcellus
233	07/09/2023	9706	9665	15	Marcellus
234	07/09/2023	9646	9605	15	Marcellus
235	07/09/2023	9586	9545	15	Marcellus
236	07/09/2023	9526	9485	15	Marcellus

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237	07/10/2023	9466	9425	15	Marcellus
238	07/10/2023	9406	9365	15	Marcellus
239	07/10/2023	9346	9305	15	Marcellus
240	07/10/2023	9286	9245	15	Marcellus
241	07/10/2023	9226	9185	15	Marcellus
242	07/10/2023	9166	9125	15	Marcellus
243	07/10/2023	9106	9065	15	Marcellus
244	07/10/2023	9046	9005	15	Marcellus
245	07/10/2023	8986	8945	15	Marcellus
246	07/10/2023	8926	8885	15	Marcellus
247	07/10/2023	8866	8825	15	Marcellus
248	07/10/2023	8806	8765	15	Marcellus
249	07/10/2023	8746	8705	15	Marcellus
250	07/10/2023	8686	8645	15	Marcellus
251	07/10/2023	8626	8585	15	Marcellus
252	07/10/2023	8566	8525	15	Marcellus
253	07/10/2023	8506	8465	15	Marcellus
254	07/11/2023	8446	8405	15	Marcellus
255	07/11/2023	8386	8345	15	Marcellus
256	07/11/2023	8326	8285	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 (bbbls)	Amount of Nitrogen/other (units)
1	04/11/2023	68	9303	7489	4283	176324	3836	
2	04/22/2023	84	9301	6893	5043	132520	2859	
3	04/23/2023	94	9292	6488	5602	132070	3315	
4	04/23/2023	95	9150	6149	5839	132461	3721	
5	04/24/2023	92	9203	6829	5765	132035	3582	
6	04/24/2023	63	9398	7188	5204	132000	3533	
7	04/24/2023	67	9219	6728	5246	132299	3549	
8	04/24/2023	70	9225	7167	5654	132355	3577	
9	04/25/2023	77	9324	7025	5627	132043	3563	
10	04/27/2023	52	9252	7335	5744	132087	5371	
11	04/27/2023	34	9246	7640	5360	132054	5217	
12	04/27/2023	59	9294	7093	6064	132004	4364	
13	04/28/2023	76	9422	7567	5695	132044	3599	
14	04/28/2023	79	9318	6919	5851	132061	3549	
15	04/28/2023	70	9495	7385	5991	132023	3577	
16	04/28/2023	86	9459	7380	7162	132110	3636	
17	04/29/2023	86	9447	7188	6285	132076	3611	
18	04/29/2023	87	9390	6706	6707	132148	3528	
19	04/30/2023	75	9395	7034	5729	132057	3519	
20	04/30/2023	43	9410	7248	5531	132058	3550	
21	05/02/2023	62	9283	8020	5674	132001	4209	
22	05/02/2023	69	9318	6883	6347	132074	3530	
23	05/03/2023	83	9270	6710	6109	132003	3593	
24	05/03/2023	90	9121	6149	5958	132001	3527	
25	05/03/2023	88	9367	6608	6458	132143	3445	
26	05/04/2023	61	9222	7128	6468	131820	3477	
27	05/04/2023	78	9331	7131	6688	132034	3459	
28	05/04/2023	65	9350	6728	6150	132039	3507	
29	05/05/2023	35	9435	7256	7907	132000	3583	
30	06/01/2023	100	8897	5849	5804	132000	8900	
31	06/01/2023	96	9206	6692	5284	132419	3685	
32	06/01/2023	95	9240	7203	5126	132453	3800	
33	06/02/2023	97	9188	6814	5738	132106	3828	
34	06/02/2023	100	9021	6739	5509	132099	3893	
35	06/02/2023	86	9159	6449	5519	132340	3776	
36	06/02/2023	76	9199	6371	5793	132143	3627	
37	06/02/2023	70	9191	6766	5596	132165	3745	
38	06/03/2023	59	9164	6861	5957	132032	3715	
39	06/03/2023	76	9171	7234	5774	132022	3664	
40	06/03/2023	62	9208	6082	5669	132042	3617	
41	06/03/2023	85	9222	7624	5555	132100	4331	
42	06/04/2023	76	9158	6814	5257	132084	3725	
43	06/04/2023	70	9183	6262	5421	132129	3569	

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44	06/04/2023	77	9170	7515	5253	132123	3714
45	06/07/2023	69	9178	6539	5690	132041	3515
46	06/07/2023	64	9219	7132	5800	132092	4613
47	06/07/2023	82	9216	7424	5737	132163	3706
48	06/07/2023	92	9246	7351	5549	132192	3682
49	06/08/2023	75	9159	6713	5752	132070	3724
50	06/08/2023	99	8939	5981	5525	132143	3654
51	06/08/2023	69	9220	6665	5801	132085	3546
52	06/08/2023	86	9233	6978	5823	132122	4216
53	06/08/2023	99	9038	5695	5812	132500	3608
54	06/09/2023	74	9116	6646	5784	132348	3600
55	06/09/2023	61	9105	6797	5894	132310	3606
56	06/09/2023	45	9294	6836	9098	37104	3166
57	06/18/2023	81	8547	6437	5542	226766	6589
58	06/18/2023	88	8883	7060	5748	132101	3492
59	06/18/2023	90	8960	7370	5707	132136	3500
60	06/18/2023	99	8894	5912	5347	132391	3532
61	06/19/2023	99	9000	6925	5941	132421	3517
62	06/19/2023	94	9024	7024	5899	132410	3518
63	06/19/2023	99	8894	6214	5968	132382	3541
64	06/19/2023	98	9091	6795	5419	132104	3451
65	06/19/2023	98	9060	7303	5622	132109	3506
66	06/19/2023	93	9078	7074	5178	132067	3498
67	06/20/2023	87	9113	6968	5639	132356	3495
68	06/20/2023	98	8958	6689	5096	132408	3529
69	06/20/2023	99	8874	6479	5563	132044	3548
70	06/20/2023	98	9087	6739	5553	132139	3455
71	06/20/2023	96	8716	6778	5495	132104	3567
72	06/21/2023	90	9126	6842	5978	132527	3453
73	06/21/2023	97	8908	6672	5632	132416	3503
74	06/21/2023	85	9103	6753	6169	132374	3346
75	06/21/2023	93	9052	6170	5600	132459	3554
76	06/21/2023	92	9152	6185	5674	132140	3402
77	06/21/2023	93	9004	6146	5422	132118	3549
78	06/22/2023	90	9127	6588	6045	132514	3505
79	06/22/2023	97	9009	6643	5933	132392	3413
80	06/22/2023	97	9040	6137	5707	132438	3437
81	06/22/2023	88	9184	6857	5524	132131	3470
82	06/22/2023	84	9228	6876	5675	132111	3533
83	06/22/2023	96	9001	6681	5730	132130	3459
84	06/22/2023	98	8770	6374	5808	132060	3374
85	06/23/2023	95	9124	6480	5624	132097	3417
86	06/23/2023	86	9129	6841	5941	132091	3431
87	06/23/2023	96	8860	6287	5956	132073	3456
88	06/23/2023	95	8838	6488	5546	132135	3547
89	06/23/2023	91	8329	6182	5475	132122	3556
90	06/23/2023	96	9059	7101	5748	132109	3543

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91	06/24/2023	99	8849	5927	5515	132088	3432
92	06/24/2023	80	9122	6866	5677	132028	3411
93	06/24/2023	96	9043	7036	5884	132043	3429
94	06/24/2023	89	9054	7107	5791	132158	3401
95	06/24/2023	73	8910	7244	6076	132125	3597
96	06/25/2023	87	9083	6444	5639	132037	3727
97	06/25/2023	84	9138	6540	5600	132091	3447
98	06/25/2023	94	9119	6655	5868	132057	3513
99	06/25/2023	92	8992	6689	5750	132134	3436
100	06/25/2023	98	8809	6305	6002	132094	3416
101	06/26/2023	88	9157	7054	5403	132048	3676
102	06/26/2023	101	8570	5807	5224	132080	3536
103	06/26/2023	97	8936	6703	5774	132100	3808
104	06/26/2023	101	8355	5792	5302	132078	3324
105	06/26/2023	97	8951	6600	5170	132159	3402
106	06/26/2023	96	8949	6535	5397	132130	3392
107	06/26/2023	97	9098	6417	5403	132102	3377
108	06/27/2023	100	8297	5705	5033	132070	3397
109	06/27/2023	98	9038	6526	5340	132132	3375
110	06/27/2023	95	9061	7041	5261	132033	3508
111	06/27/2023	100	8977	6437	4814	132422	3359
112	06/27/2023	98	8936	6926	4984	132067	3417
113	06/27/2023	74	9070	6420	5403	132056	3334
114	06/27/2023	94	9063	6731	5711	132131	3560
115	06/28/2023	85	9202	7001	5549	132100	3318
116	06/28/2023	84	9218	7086	5599	132055	3465
117	06/28/2023	79	9149	6811	5489	134785	3385
118	06/28/2023	96	8707	6989	5573	132054	3397
119	06/28/2023	94	8927	6162	5601	132187	3261
120	06/28/2023	90	9158	6998	5407	132000	3310
121	06/28/2023	95	8997	6860	5451	132011	3410
122	06/28/2023	90	9124	6512	5583	132060	3404
123	06/29/2023	92	9192	7545	5690	132085	3401
124	06/29/2023	98	8849	5651	5787	132016	3303
125	06/29/2023	96	8897	6745	5804	132083	3409
126	06/29/2023	96	8712	6869	5816	132163	3311
127	06/29/2023	97	8735	7419	5425	132218	3386
128	06/29/2023	95	9088	6404	5570	132183	3298
129	06/29/2023	91	9028	6158	5783	132189	3398
130	06/29/2023	94	8870	6428	5388	132152	3226
131	06/30/2023	93	9054	7087	5592	132682	3373
132	06/30/2023	97	8802	6673	5832	132203	3282
133	06/30/2023	95	9048	6826	5710	132115	3248
134	06/30/2023	98	9020	6233	5589	132031	3218
135	06/30/2023	91	9007	7108	5400	132164	3332
136	07/01/2023	89	9000	7376	5645	132233	3471
137	07/02/2023	93	8990	6675	5574	132157	3342

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138	07/02/2023	87	9219	6948	5617	132075	3315
139	07/02/2023	95	8959	6378	5429	132079	3323
140	07/02/2023	92	9169	7156	5423	130072	3333
141	07/02/2023	87	8842	6505	5637	132211	3248
142	07/02/2023	92	8671	7273	5779	132201	3435
143	07/02/2023	88	8778	7348	5619	132159	3383
144	07/02/2023	97	8606	6599	5088	132129	3249
145	07/02/2023	96	9089	6719	5037	132093	3177
146	07/03/2023	95	9096	6376	4994	132088	3291
147	07/03/2023	93	9122	7005	5290	132069	3173
148	07/03/2023	95	9060	6651	5156	132060	3312
149	07/03/2023	89	9141	6573	5077	132045	3291
150	07/03/2023	90	9026	7434	4903	132204	3340
151	07/03/2023	91	8940	7269	5151	132231	3310
152	07/03/2023	93	8931	7253	4682	132191	3336
153	07/03/2023	95	8765	6661	5011	132139	3309
154	07/03/2023	93	8969	6777	5093	132236	3291
155	07/03/2023	96	8657	6583	5073	132143	3302
156	07/03/2023	96	8998	6687	4984	132204	3274
157	07/04/2023	94	8971	6635	4305	132097	3261
158	07/04/2023	98	8877	6074	5354	132090	3112
159	07/04/2023	100	8859	7159	5360	132083	3320
160	07/04/2023	99	8376	6317	5264	132181	3238
161	07/04/2023	90	8817	7043	5287	132169	3150
162	07/04/2023	95	8738	6849	4951	132205	3163
163	07/04/2023	96	8669	6595	5213	132181	3273
164	07/04/2023	95	9079	6619	5305	132130	3180
165	07/05/2023	90	9010	6944	5656	132173	3203
166	07/05/2023	87	9091	6684	5674	132148	3083
167	07/05/2023	92	8996	6727	5824	132047	3204
168	07/05/2023	96	8791	6860	5634	132145	3174
169	07/05/2023	93	8897	6708	5566	132037	3164
170	07/05/2023	97	8877	6678	5817	132119	3183
171	07/05/2023	94	8603	7139	5633	132186	3178
172	07/05/2023	100	8457	7104	5707	132079	3188
173	07/05/2023	93	8756	6902	5595	132087	3291
174	07/05/2023	93	9007	6628	5652	132132	3206
175	07/06/2023	92	8881	7011	5552	132099	3138
176	07/06/2023	93	8932	7417	5506	132125	3168
177	07/06/2023	94	8951	6951	5552	132119	3181
178	07/06/2023	94	8873	6568	5766	132145	3174
179	07/06/2023	97	8773	7112	5760	132125	3179
180	07/06/2023	94	9045	7007	5774	132134	3157
181	07/06/2023	91	8852	6718	5695	132190	3161
182	07/06/2023	92	8671	6912	5716	132151	3156
183	07/06/2023	95	8732	7005	5540	132144	3155
184	07/06/2023	76	9103	6489	5514	132187	3161

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185	07/06/2023	89	8833	6488	5318	132134	3131
186	07/06/2023	92	8866	6536	5543	132163	3043
187	07/06/2023	97	9045	6863	5398	132427	3108
188	07/07/2023	90	9116	7155	5421	132422	3138
189	07/07/2023	88	9174	6559	5344	132407	3147
190	07/07/2023	98	8909	6765	5335	132383	3145
191	07/07/2023	95	8972	6421	5246	132391	3152
192	07/07/2023	98	9003	6927	5305	132422	3176
193	07/07/2023	77	9166	6770	5318	132441	3134
194	07/07/2023	93	8928	6611	5352	132139	3141
195	07/07/2023	92	8735	6280	5370	132115	3090
196	07/07/2023	94	8592	6582	5388	132130	3120
197	07/07/2023	91	8904	6656	5254	132142	3128
198	07/07/2023	92	8698	6581	5648	132135	3132
199	07/07/2023	95	8799	6612	5625	132130	3121
200	07/07/2023	94	8914	6598	5404	132309	3122
201	07/07/2023	96	8762	6194	5304	130069	3107
202	07/07/2023	99	8867	6961	5266	132388	3131
203	07/08/2023	93	9091	6996	5294	132401	3135
204	07/08/2023	93	9173	6200	5390	132461	3112
205	07/08/2023	99	8771	6486	5228	132409	3035
206	07/08/2023	97	8790	7161	5204	132364	3112
207	07/08/2023	98	8908	6430	5369	132392	3125
208	07/08/2023	98	8897	6584	5149	132441	3130
209	07/08/2023	99	8805	7150	5302	132425	3093
210	07/08/2023	94	8814	6488	5227	132128	3087
211	07/08/2023	95	8861	6573	5410	132146	3094
212	07/08/2023	98	8522	6179	5607	132146	3081
213	07/08/2023	96	8809	6670	5367	132160	3078
214	07/08/2023	95	8837	7310	5463	132165	3075
215	07/08/2023	99	8783	6911	5515	132178	3086
216	07/08/2023	98	8573	6930	5469	132134	3079
217	07/08/2023	98	8863	6581	5487	132389	3079
218	07/08/2023	94	8933	6908	5408	132417	3079
219	07/09/2023	97	8968	6654	5400	132414	3082
220	07/09/2023	98	8995	7262	5434	132416	3079
221	07/09/2023	91	9175	6795	5505	132376	3068
222	07/09/2023	66	9136	6936	5379	132296	3069
223	07/09/2023	98	8540	6322	5420	132414	3102
224	07/09/2023	94	9135	6309	5430	132407	3080
225	07/09/2023	97	8628	6949	5516	132122	3052
226	07/09/2023	96	8694	6562	5542	132235	3065
227	07/09/2023	96	8650	6605	5513	132153	3064
228	07/09/2023	95	8774	6678	5436	132240	3046
229	07/09/2023	96	8630	7135	5419	132192	3045
230	07/09/2023	98	8632	6737	5339	132180	3025
231	07/09/2023	96	8680	6953	5339	132150	3051
232	07/09/2023	99	8784	6385	5229	132463	3062

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233	07/09/2023	100	8694	7021	5151	132433	3058
234	07/10/2023	99	8867	6546	5288	132413	3046
235	07/10/2023	100	8638	6325	5191	132382	3048
236	07/10/2023	99	8713	5809	5464	132400	3049
237	07/10/2023	100	8631	6088	5481	132421	3045
238	07/10/2023	100	8368	6672	5378	132424	2988
239	07/10/2023	98	8795	6466	5534	132452	3047
240	07/10/2023	100	8410	6663	5565	132190	3034
241	07/10/2023	99	8165	6356	5296	132118	3028
242	07/10/2023	100	8641	7226	5472	132561	3021
243	07/10/2023	99	8511	6822	5358	132181	3039
244	07/10/2023	99	8631	6322	5321	132057	3017
245	07/10/2023	99	8396	6338	5490	132130	3016
246	07/10/2023	100	8415	6816	5162	132105	3011
247	07/10/2023	99	8638	6046	5286	132151	3004
248	07/10/2023	99	8684	7013	5174	132367	3026
249	07/10/2023	91	9182	6325	5241	132374	3027
250	07/11/2023	97	8722	6424	5196	132422	3027
251	07/11/2023	99	8862	6681	5318	132409	3014
252	07/11/2023	99	8663	6552	5301	132403	3025
253	07/11/2023	87	9204	6902	5333	132409	3005
254	07/11/2023	100	8585	6159	5329	132423	3009
255	07/11/2023	101	8850	6857	5267	132427	3019
256	07/11/2023	96	8675	6025	5193	132000	2998

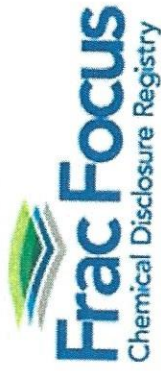
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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/9/2023
Job End Date:	7/11/2023
State:	West Virginia
County:	Wetzel
API Number:	47-103-03432-00-00
Operator Name:	EQT Production
Well Name and Number:	BIG464 3H
Latitude:	39.56772960
Longitude:	-80.51649540
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,480
Total Base Water Volume (gal):	36,483,258
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trace Name	Supplier	Purpose	Ingredients	Chemical 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	89.54928	None
Sand (Proppant)	EQT	Proppant					
SlimSTREAM FR 9800	ChemStream	Friction Reducer	Silica Substrate	14808-60-7	100.00000	9.96598	None
Clearal 268	ChemStream	Biocide	Copolymer of 2-propenamide	Proprietary	30.00000	0.01327	None
SlimSTREAM SC-398	ChemStream	Scale Inhibitor	Non-hazardous substances	Proprietary	80.00000	0.00906	None
15% Evolution Well Services	Evolution Well Services	Acid	Non-hazardous substances	Proprietary	90.00000	0.00781	None
SlimSTREAM FR 9800	ChemStream	Friction Reducer	Hydrogen Chloride	7647-01-0	15.00000	0.00702	None
Plux 166	Evolution	Acid Corrosion Inhibitor	Petroleum Distillate	64742-47-8	20.00000	0.00590	None
Clearal 268	ChemStream	Biocide	Methanol	67-56-1	90.00000	0.00066	None

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Ferriplex 66	Evolution	Iron Control	Glutaraldehyde	111-30-8	20.00000	0.00057	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor	Acetic acid	64-19-7	50.00000	0.00018	None
Ferriplex 66	Evolution	Iron Control	Bis(Hexamethylene Triamine Penta(Methylene Phosphonic Acid)(BHMT)	34690-00-1	10.00000	0.00010	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Citric Acid	000077-92-9	30.00000	0.00007	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Oleic Acid Diethanolamide	93-83-4	2.00000	0.00006	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Alcohols, C12-16, ethoxylated	88551-12-2	2.00000	0.00006	None
Clearal 268	ChemStream	Biocide	Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00002	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
Clearal 268	ChemStream	Biocide	Alcohols, C14-C15, ethoxylated	68951-67-7	7.00000	0.00000	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor	Ethanol	64-17-5	1.50000	0.00000	None
			Propargyl alcohol	107-19-7	5.00000	0.00000	None

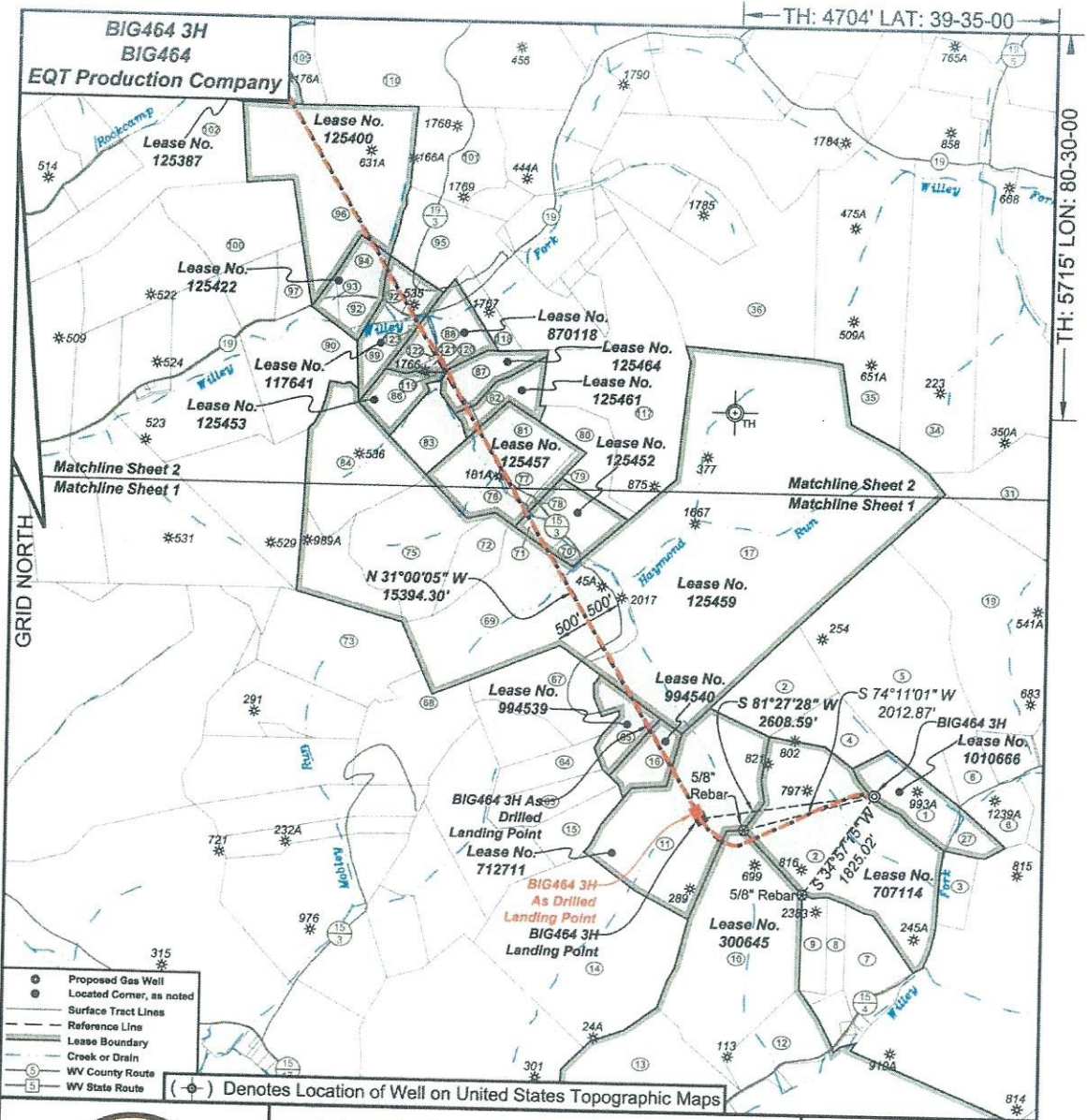
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

* 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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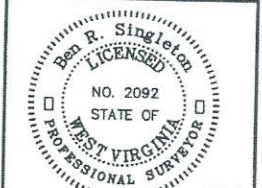
03/01/2024



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. Sht

P.S. 2092



FILE NO: 125-16
 DRAWING NO: BIG464 3H
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

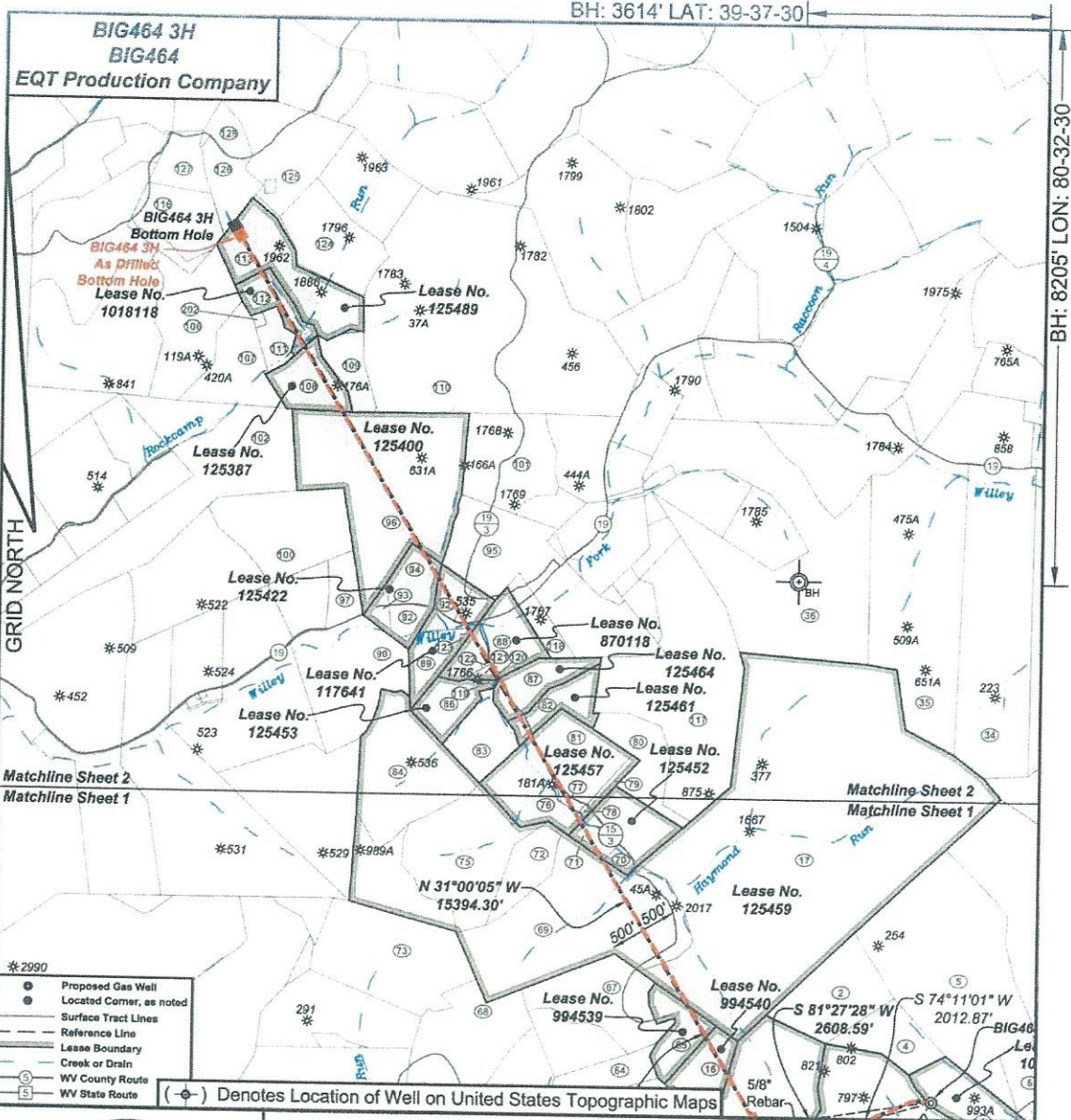
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

DATE: April 26 20 22
 OPERATOR'S WELL NO.: BIG464 3H
 API WELL NO
 47 - 103 - 03432
 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
 ROYALTY OWNER: Ridgetop Royalties, LLC, et al. ACREAGE: 25.25
 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

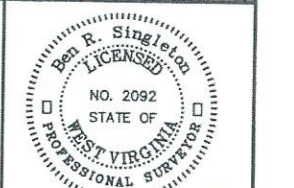
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 26 20 22
OPERATOR'S WELL NO.: BIG464 3H
API WELL NO
47 - 103 - 03432
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1246.6' 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

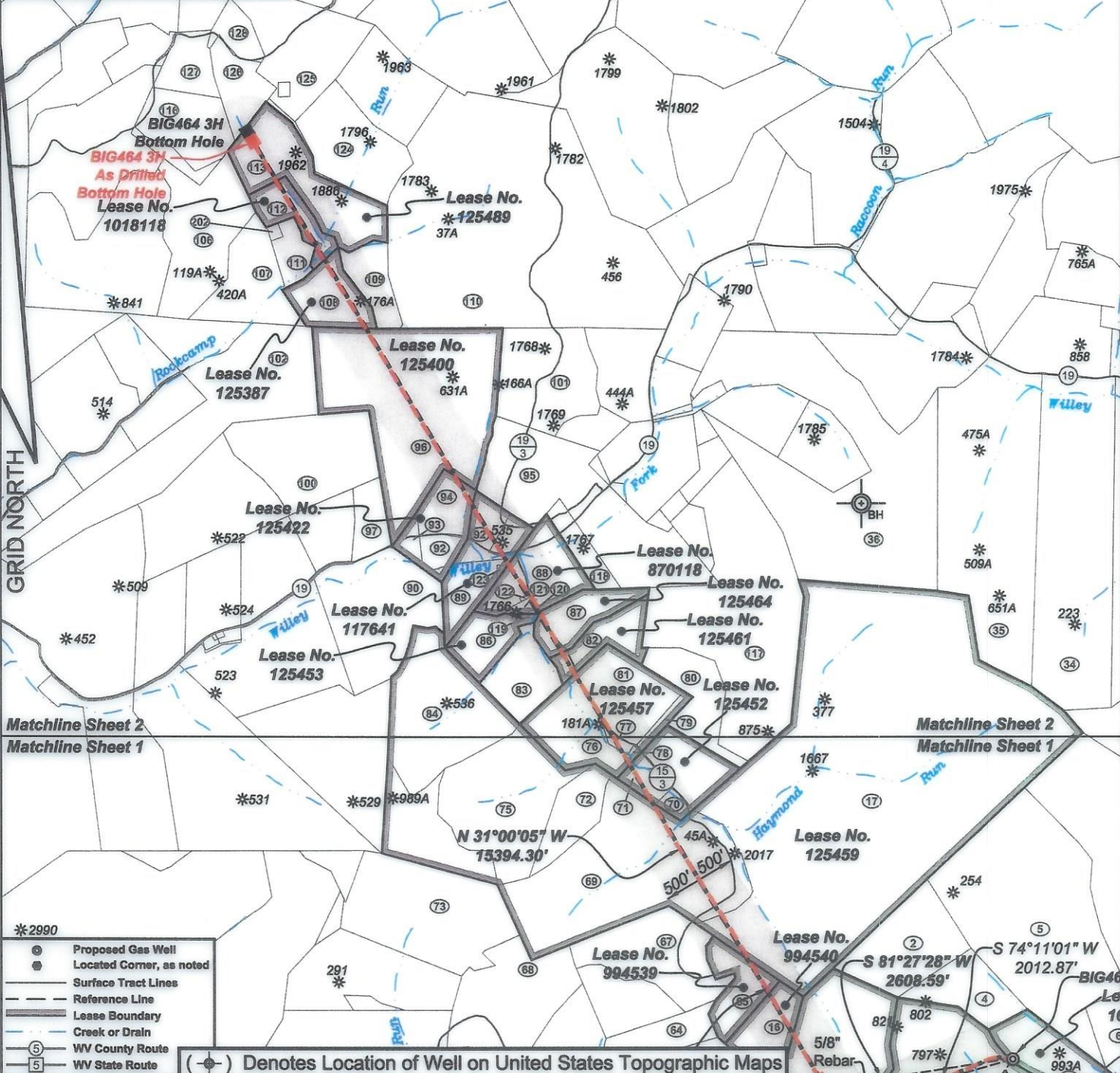
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,394'

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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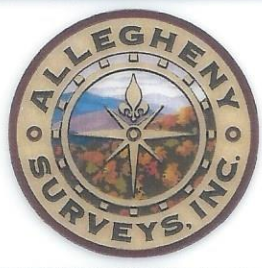
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BIG464 3H
BIG464
EQT Production Company



- *2990
- 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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SEAL

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

DATE: April 26 20 22
 OPERATOR'S WELL NO.: BIG464 3H
 API WELL NO
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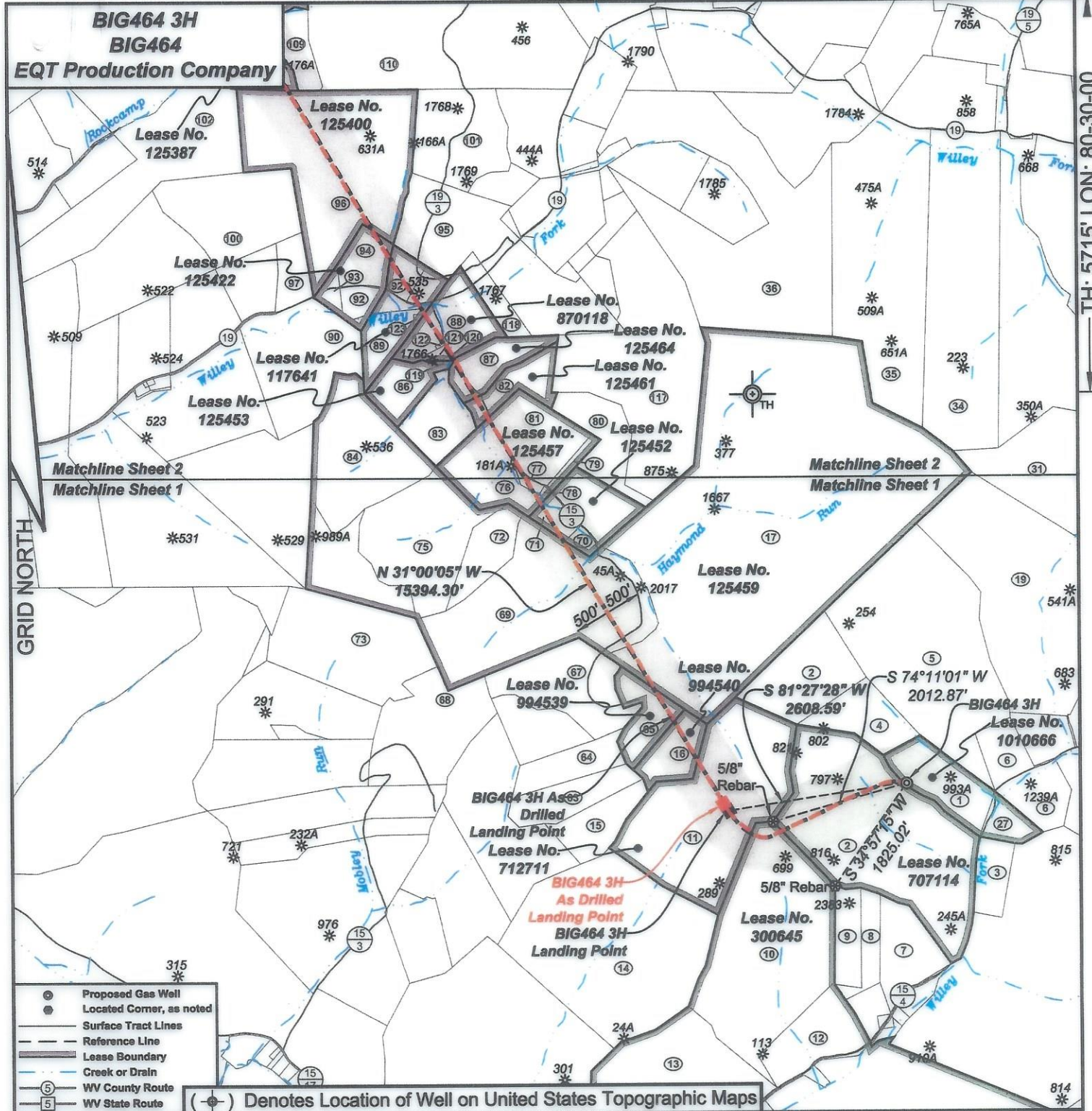
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1246.8' WATERSHED Willey Fork QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel
 SURFACE OWNER: EQT Production Company ACREAGE: 29.29
 ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,394'

03/01/2024

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

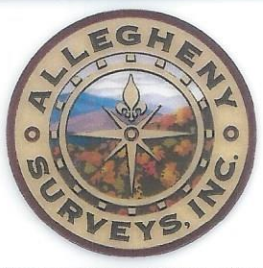
TH: 4704' LAT: 39-35-00

TH: 5715' LON: 80-30-00



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

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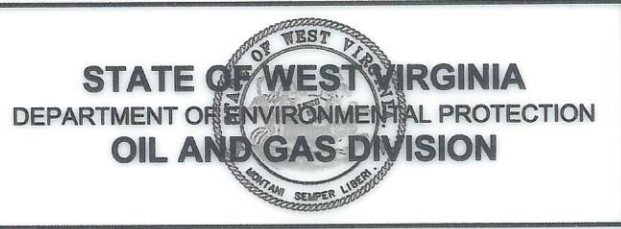
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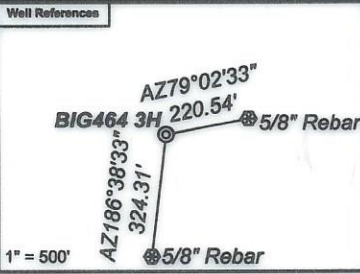
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1246.8' WATERSHED Wiley Fork QUADRANGLE: Big Run
DISTRICT: Grant COUNTY: Wetzel
SURFACE OWNER: EQT Production Company ACREAGE: 32
ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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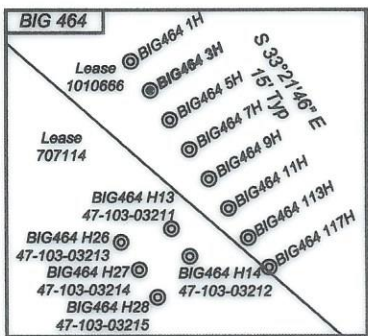
03/01/2024

BIG464 3H
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	128.50
6	15	16	Wetzel	Grant	Donald J. D'Lusky	25.00
7	14	45	Wetzel	Grant	Coastal Forest Resources Company	11.08
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	Aleo H. & Hilda B. Conway	108.00
12	19	9	Wetzel	Grant	Donald J. D'Lusky	26.18
13	19	8	Wetzel	Grant	Donald J. D'Lusky, Jr.	71.50
14	14	40	Wetzel	Grant	Donald J. D'Lusky, Jr.	131.00
15	14	31	Wetzel	Grant	Donald J. D'Lusky, Jr.	19.00
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
38	9	38	Wetzel	Grant	Terry L. & Carolyn M. Fry	155.08
63	14	30	Wetzel	Grant	Equitrans LP	20.50
64	14	29	Wetzel	Grant	ET Blue Grass, LLC	17.00
65	14	28	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	138.88
70	14	13	Wetzel	Grant	Coastal Forest Resources Company	2.80
71	14	14	Wetzel	Grant	Gary L. Elfw	21.40
72	14	16.1	Wetzel	Grant	Thomas J. Parks, et al.	16.82
73	14	18	Wetzel	Grant	John W. Wycoff	66.70
75	14	11	Wetzel	Grant	Thomas J. Parks, et al.	54.44
76	14	12	Wetzel	Grant	Thomas J. Parks, et al.	16.00
77	14	3.1	Wetzel	Grant	Ronald L. & Anna P. Elfw	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
84	14	9	Wetzel	Grant	Leonard E. & Edwin C. Rice	55.00
86	9	58	Wetzel	Grant	Leonard E. & Edwin C. Rice	16.50
87	9	59.1	Wetzel	Grant	Clyde R. & Connie L. Fordyce	16.70
88	9	48	Wetzel	Grant	Donald Allen Kennedy	25.80
89	9	45	Wetzel	Grant	Dewayne & Patricia L. Morris	19.85
90	9	55	Wetzel	Grant	Jack L. & Lesanne C. Barnette	18.40
92	9	43	Wetzel	Grant	Norman R. & Vivian L. Derby	14.40
93	9	42	Wetzel	Grant	Jack L. & Lesanne 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.	73.98
98	9	23	Wetzel	Grant	Stephen B. & Carolyn M. Gantz	119.00
97	9	41	Wetzel	Grant	William Schleicher	11.56
100	9	29	Wetzel	Grant	William & Margaret Schleicher	47.80
101	9	24	Wetzel	Grant	John D. Parks, et al.	40.00
102	8	32	Wetzel	Grant	Joe Willie Pigg Halm	82.40
108	9	63	Wetzel	Grant	Mary Wright, et al.	46.00
107	9	13	Wetzel	Grant	James A. Yocho	27.00
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 Franck	233.37
111	9	15	Wetzel	Grant	Opal Stonelking Estate	8.82
112	9	9	Wetzel	Grant	Lossie Watson	11.30
113	9	6	Wetzel	Grant	James A. Yocho	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	0.26
120	9	58	Wetzel	Grant	Leonard E. & Edwin C. Rice	0.25
121	9	47	Wetzel	Grant	Roger L. & Sharon G. Hinerman	
122	9	48	Wetzel	Grant	Brookfield Homecoming Association	

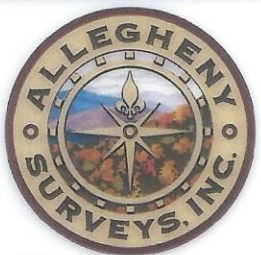
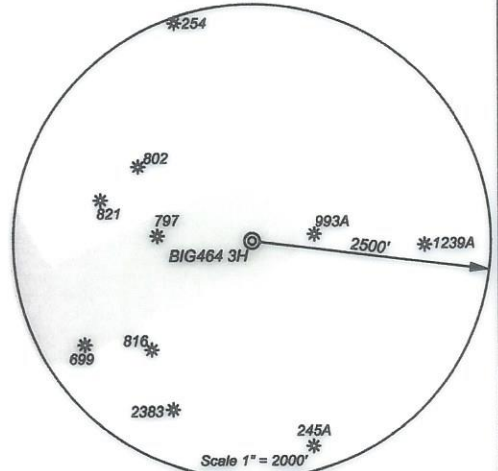


As Drilled Well Information:
BIG464 3H coordinates are
NAD 27 N: 390,481.01 E: 1,713,389.73
NAD 83 UTM N: 4,379,892.85 E: 541,530.97
BIG464 3H Kick Out Point coordinates are
NAD 27 N: 390,484.65 E: 1,713,427.70
NAD 83 UTM N: 4,379,894.15 E: 541,542.52
BIG464 3H Landing Point coordinates are
NAD 27 N: 390,192.41 E: 1,710,741.46
NAD 83 UTM N: 4,379,791.44 E: 540,725.59
BIG464 3H Bottom Hole coordinates are
NAD 27 N: 403,150.54 E: 1,702,958.17
NAD 83 UTM N: 4,383,699.65 E: 538,288.55
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
300645	Camman Lee Allen, et al.	858
712711	Barbara Lynne Metheny, et al.	108
994540	Dan Coleman, et al.	13
994539	Dan Coleman, et al.	14
125459	Randel J. Hartman, et al.	693
125452	Lavena Jane Higginbotham	25
125457	Kenneth M. Wayman, et al.	55
125461	Ervin Willey and Thelmas Willey, et al.	17
125464	Dara J. Cottrell, et al.	19
125453	Bounty Minerals, LLC	17
870118	AMP Fund III, L.P., et al.	26
117641	Frank W. Watson, Jr., et al.	30
125422	Ridgetop Appalachia, LLC, et al.	
125400	Robert Barry Myers, Jr., et al.	119
125387	Wanda K. Willey, et al.	21
1018118	Wanda K. Willey, et al.	11.31
125489	Shiben Estates, Inc., et al.	46

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
123	9	45.1	Wetzel	Grant	Dewey & Mary L. Taylor	0.34
124	9	7	Wetzel	Grant	James D. & Collette J. Streets	34.00
125	4	7	Wetzel	Grant	Earl Stonelking	45.50
126	4	13	Wetzel	Grant	Olive M. Utt	15.17
127	9	8	Wetzel	Grant	Mary Wright, et al.	18.80
128	4	14	Wetzel	Grant	Olive M. Utt	7.80
202	9	14	Wetzel	Grant	Willey Cemetery	0.80



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P.S. 2092



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DATE: April 26 20 22
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API WELL NO
47 - 103 - 03432
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: 26.25
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
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 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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