

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

API 47- 103 - 03417 County Wetzel District Center  
Quad Big Run Pad Name Michael Kuhn Field/Pool Name N/A  
Farm name Rachel Elizabeth Wyatt & Sheldon R. Norris Well Number BIG467 16H (L007924)  
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 4,385,154.36 Easting 540,273.67  
Landing Point of Curve Northing 4,385,694.61 Easting 541,353.49  
Bottom Hole Northing 4,381,926.44 Easting 543,705.65

Elevation (ft) 1508' 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

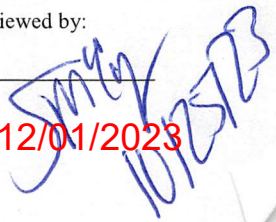
Date permit issued 06/14/2021 Date drilling commenced 08/23/2021 Date drilling ceased 03/23/2022  
Date completion activities began 12/17/2022 Date completion activities ceased 05/01/2023  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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 47, 333 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1999,2072,2267,2341 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 1176,1278 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**APPROVED**

Reviewed by:  
  
12/01/2023

API 47- 103-03417 Farm name Rachel Elizabeth Wyatt & Sheldon R. Norris Well number BIG467 16H (L007924)

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"	1305'	NEW	J-55 54.5#	1218'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2811'	NEW	A-500 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	24,108'	NEW	HP-P110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1325' 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	1100	16.0	1.13	1243	0	8
Coal							
Intermediate 1	CLASS A	942	15.6	1.18	1111	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	5205	15.2	1.04	5413	1325'	8+
Tubing							

Drillers TD (ft) 24,130' Loggers TD (ft) N/A  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 1406'

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 2094' \_\_\_\_\_

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

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

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

*[Handwritten Signature]*  
12/01/2023  
10/25/23









API 47- 103 - 03417 Farm name Rachel Elizabeth Wyatt & Sheldon R. Norris Well number BIG467 16H (L007924)

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 Suite125 City The Woodlands State TX Zip 77380

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Well # Michael Kuhn 16H (L007924) Final Formations API# 47-103-03417				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	1,176	1,176
Sewickley Coal	1,176	1,176	1,179	1,179
Sand/Shale	1,179	1,179	1,278	1,278
Pittsburgh Coal	1,278	1,278	1,286	1,286
Sand/Shale	1,286	1,286	2,605	2,590
Big Injun	2,605	2,590	2,755	2,737
Sand/Shale	2,755	2,737	2,873	2,853
Berea	2,873	2,853	3,133	3,106
Sand/Shale	3,133	3,106	3,238	3,205
Gantz	3,238	3,205	3,306	3,268
Fifty foot	3,306	3,268	3,394	3,349
Thirty foot	3,394	3,349	3,591	3,523
Bayard	3,591	3,523	3,665	3,586
Sand/Shale	3,665	3,586	3,996	3,852
Upper Speechley	3,996	3,852	4,049	3,893
Speechley	4,049	3,893	4,132	3,957
Balltown	4,132	3,957	4,496	4,236
Bradford	4,496	4,236	5,611	5,086
Benson	5,611	5,086	6,019	5,393
Alexander	6,019	5,393	6,450	5,725
Elk	6,450	5,725	8,249	7,101
Sonyea	8,249	7,101	8,496	7,287
Middlesex	8,496	7,287	8,740	7,460
Genesee	8,740	7,460	8,890	7,553
Geneseo	8,890	7,553	8,939	7,580
Tully	8,939	7,580	8,982	7,603
Hamilton	8,982	7,603	9,273	7,711
Marcellus	9,273	7,711	24,130	7,942

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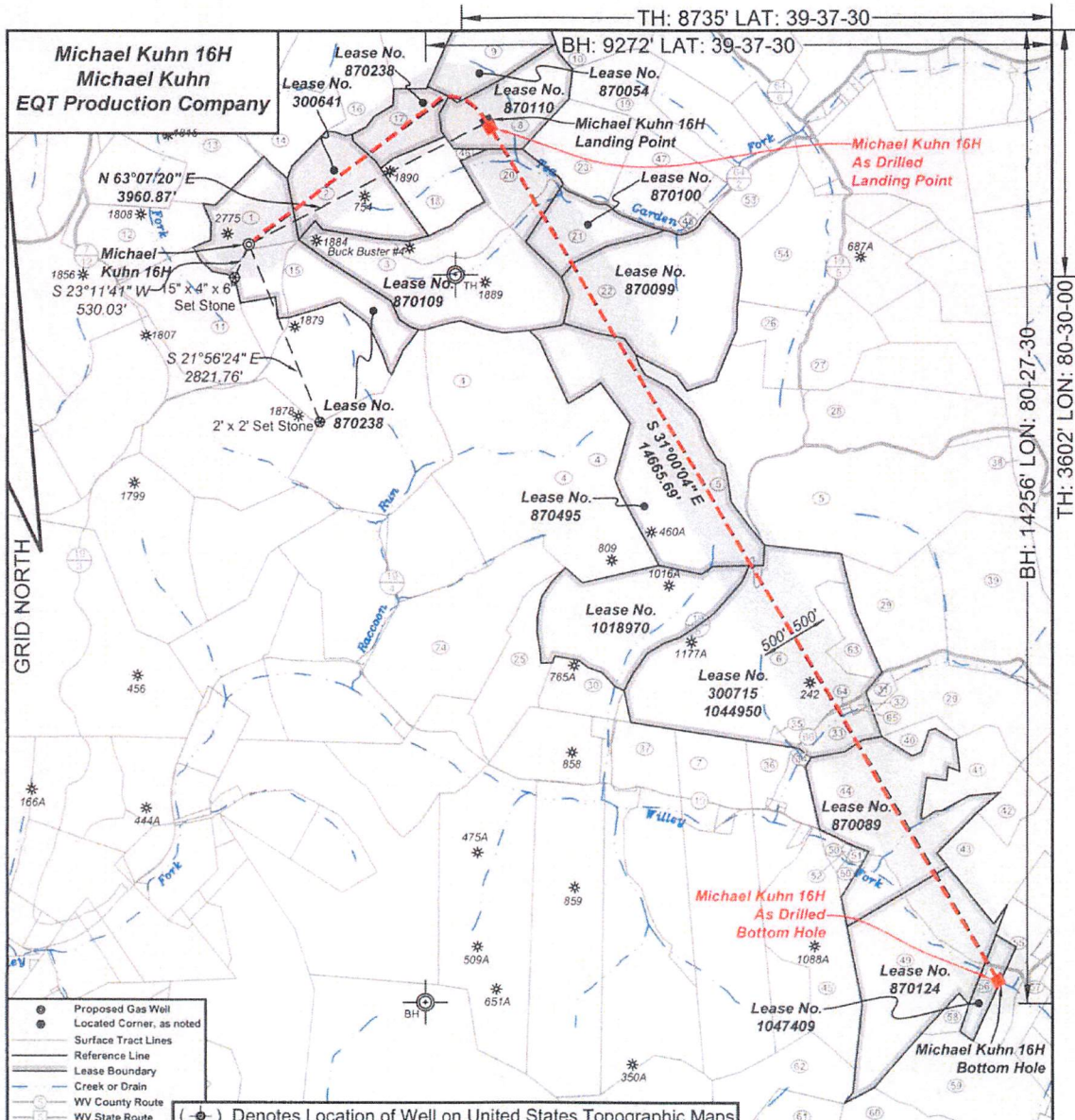
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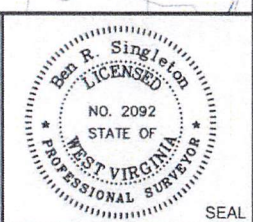






I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*Ben R. Singleton*  
P.S. 2092



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FILE NO: 49-20  
DRAWING NO: Michael Kuhn 16H  
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 1 20 22  
OPERATOR'S WELL NO.: Michael Kuhn 16H  
API WELL NO  
47 - 103 - 03417  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1509' WATERSHED: West Virginia Knob Fork of West Virginia Fork Fishing Creek QUADRANGLE: Big Run  
DISTRICT: Center COUNTY: Wetzel  
SURFACE OWNER: Rachel Elizabeth Wyatt & Sheldon R. Norris ACREAGE: 36.40  
ROYALTY OWNER: Michael G. Kuhn LEASE NO: 870238 ACREAGE: 202  
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: 7751'

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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# 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	12/19/2022	24008	23848	36	Marcellus
3	12/20/2022	23829	23670	36	Marcellus
4	12/21/2022	23651	23492	36	Marcellus
5	12/22/2022	23473	23314	36	Marcellus
6	12/22/2022	23295	23135	36	Marcellus
7	12/29/2022	23117	22957	36	Marcellus
8	12/30/2022	22938	22779	36	Marcellus
9	12/30/2022	22760	22601	36	Marcellus
10	12/31/2022	22582	22423	36	Marcellus
11	12/31/2022	22404	22244	36	Marcellus
12	01/01/2023	22226	22066	36	Marcellus
13	01/01/2023	22047	21888	36	Marcellus
14	01/02/2023	21869	21710	36	Marcellus
15	01/02/2023	21691	21532	36	Marcellus
16	01/03/2023	21513	21353	36	Marcellus
17	01/04/2023	21335	21175	36	Marcellus
18	01/04/2023	21156	20997	36	Marcellus
19	01/05/2023	20978	20799	40	Marcellus
20	01/05/2023	20780	20601	40	Marcellus
21	01/06/2023	20582	20403	40	Marcellus
22	01/06/2023	20384	20205	40	Marcellus
23	01/07/2023	20186	20007	40	Marcellus
24	01/07/2023	19988	19809	40	Marcellus
25	01/07/2023	19790	19611	40	Marcellus
26	01/08/2023	19592	19413	40	Marcellus
27	01/08/2023	19394	19215	40	Marcellus
28	01/08/2023	19196	19017	40	Marcellus
29	01/08/2023	18998	18819	40	Marcellus
30	01/09/2023	18800	18621	40	Marcellus
31	01/10/2023	18602	18423	40	Marcellus
32	01/09/2023	18404	18225	40	Marcellus
33	01/10/2023	18206	18027	40	Marcellus
34	01/10/2023	18008	17829	40	Marcellus
35	01/10/2023	17810	17631	40	Marcellus
36	01/11/2023	17612	17433	40	Marcellus
37	01/11/2023	17414	17235	40	Marcellus
38	01/11/2023	17216	17037	40	Marcellus
39	01/12/2023	17018	16839	40	Marcellus
40	01/12/2023	16820	16641	40	Marcellus
41	01/12/2023	16622	16443	40	Marcellus
42	01/12/2023	16424	16245	40	Marcellus
43	01/13/2023	16226	16047	40	Marcellus
44	01/13/2023	16028	15849	40	Marcellus

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45	01/14/2023	15830	15651	40	Marcellus
46	01/14/2023	15632	15453	40	Marcellus
47	01/14/2023	15434	15255	40	Marcellus
48	01/15/2023	15236	15057	40	Marcellus
49	01/15/2023	15038	14859	40	Marcellus
50	01/15/2023	14840	14661	40	Marcellus
51	01/15/2023	14642	14463	40	Marcellus
52	01/16/2023	14444	14265	40	Marcellus
53	01/16/2023	14246	14067	40	Marcellus
54	01/16/2023	14048	13869	40	Marcellus
55	01/17/2023	13850	13671	40	Marcellus
56	01/17/2023	13652	13473	40	Marcellus
57	01/17/2023	13454	13275	40	Marcellus
58	01/17/2023	13256	13077	40	Marcellus
59	01/18/2023	13058	12879	40	Marcellus
60	01/18/2023	12860	12681	40	Marcellus
61	01/18/2023	12662	12483	40	Marcellus
62	01/19/2023	12464	12285	40	Marcellus
63	01/19/2023	12266	12087	40	Marcellus
64	01/19/2023	12068	11889	40	Marcellus
65	01/19/2023	11870	11691	40	Marcellus
66	01/20/2023	11672	11493	40	Marcellus
67	01/20/2023	11474	11295	40	Marcellus
68	01/21/2023	11276	11097	40	Marcellus
69	01/21/2023	11078	10899	40	Marcellus
70	01/21/2023	10880	10701	40	Marcellus
71	01/22/2023	10682	10503	40	Marcellus
72	01/22/2023	10484	10305	40	Marcellus
73	01/22/2023	10286	10107	40	Marcellus
74	01/23/2023	10088	9909	40	Marcellus
75	01/23/2023	9890	9711	40	Marcellus
76	01/24/2023	9692	9513	40	Marcellus
77	01/24/2023	9494	9315	40	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	12/19/2022	80	9240	6329	5624	176000	5049	
2	12/19/2022	95	9372	6550	5355	396194	9233	
3	12/21/2022	95	9409	5778	5615	396174	9233	
4	12/22/2022	84	9300	4411	5714	396212	9311	
5	12/23/2022	80	8847	3973	5908	396206	8978	
6	12/29/2022	93	9291	4086	5409	396033	9154	
7	12/30/2022	94	9265	5793	5198	396163	9232	
8	12/30/2022	89	9416	6550	5785	396022	9178	
9	12/31/2022	83	9317	6819	6072	396813	9116	
10	12/31/2022	85	9430	6959	5743	396028	9132	
11	01/01/2023	82	9327	6766	5273	396146	9145	
12	01/01/2023	83	9362	6454	5491	396053	9153	
13	01/02/2023	84	9355	6134	5909	396156	9115	
14	01/03/2023	83	9363	6410	6197	396186	9139	
15	01/03/2023	89	9335	6206	5948	396224	9958	
16	01/04/2023	88	9319	6141	5592	396312	9187	
17	01/04/2023	86	9453	6647	6073	396069	9212	
18	01/05/2023	85	9354	6597	5963	396094	9245	
19	01/06/2023	89	9444	6566	6149	440230	10071	
20	01/06/2023	91	9324	6827	6288	440088	10068	
21	01/06/2023	93	9400	6912	6416	440103	10005	
22	01/07/2023	90	9438	9115	9463	440144	10042	
23	01/07/2023	94	9423	6393	5943	440073	10050	
24	01/07/2023	94	9412	6677	5841	440126	10049	
25	01/08/2023	94	9449	6782	6035	440247	9998	
26	01/08/2023	97	9387	6233	5824	440120	10012	
27	01/08/2023	92	9451	6048	6122	440135	10115	
28	01/09/2023	97	9428	6557	6520	440192	9966	
29	01/09/2023	97	9461	6286	5904	440271	9984	
30	01/09/2023	94	9448	6133	6039	440026	9977	
31	01/10/2023	99	9453	6624	6715	440159	9901	
32	01/10/2023	99	9456	6257	6527	440269	9938	
33	01/10/2023	99	9387	6393	6422	440271	9955	
34	01/11/2023	96	9385	6378	6379	440140	9882	
35	01/11/2023	100	9433	6211	5888	440248	9875	
36	01/11/2023	100	9210	5968	6105	440140	9901	
37	01/11/2023	100	9313	6029	5336	440099	9856	
38	01/12/2023	100	9307	6100	5816	440000	9890	
39	01/12/2023	100	9261	5811	5837	440177	9928	
40	01/12/2023	100	9301	5933	5850	440137	9886	
41	01/13/2023	100	9292	5770	5873	440213	9881	
42	01/13/2023	100	9134	6026	5888	440158	9836	
43	01/13/2023	100	9124	5000	5893	440133	9830	

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44	01/14/2023	100	9165	5911	5753	440379	9845
45	01/14/2023	100	9150	5904	5755	440138	9856
46	01/14/2023	100	9176	5794	6025	440173	9788
47	01/15/2023	100	9218	5930	6281	440082	9813
48	01/15/2023	100	9160	5902	5647	440237	9847
49	01/15/2023	100	9069	5873	5705	440087	9829
50	01/15/2023	100	9096	6182	6399	440061	9790
51	01/16/2023	100	9171	5992	5986	440141	9785
52	01/16/2023	100	9232	5840	5741	440131	9771
53	01/16/2023	100	9039	5982	6193	440063	9758
54	01/17/2023	100	9138	5970	5396	440094	9751
55	01/17/2023	100	9178	5873	5427	440156	9747
56	01/17/2023	100	9102	5698	5523	440136	9695
57	01/18/2023	100	9191	5667	5265	440040	9701
58	01/18/2023	100	9203	5636	5804	440089	9713
59	01/18/2023	100	9063	5882	5428	440062	9732
60	01/19/2023	100	9118	5727	4903	440053	9689
61	01/19/2023	100	9131	5777	4503	440146	9579
62	01/19/2023	100	8978	6309	5049	440159	9713
63	01/19/2023	100	9082	5799	5492	440145	9700
64	01/20/2023	100	9044	5751	5807	440414	9630
65	01/20/2023	101	8969	5660	5474	440387	9678
66	01/20/2023	100	8987	5596	4981	440163	9642
67	01/21/2023	101	9069	5917	5338	440319	9644
68	01/21/2023	100	9046	5743	5581	440166	9649
69	01/21/2023	100	8957	5534	5427	440082	9560
70	01/22/2023	101	8850	5755	4899	440376	9616
71	01/22/2023	100	8929	5940	5351	440290	9628
72	01/23/2023	100	8458	5452	5060	440221	9570
73	01/23/2023	100	8671	5698	5183	440077	9604
74	01/23/2023	100	8933	5763	4618	440345	9585
75	01/24/2023	100	8803	5650	4655	440542	9579
76	01/24/2023	100	8888	5760	4520	440113	9618
77	01/24/2023	100	8810	5801	4282	440199	9496

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/17/2022
Job End Date:	4/7/2023
State:	West Virginia
County:	Wetzel
API Number:	47-103-03417-00-00
Operator Name:	EQT Production
Well Name and Number:	Michael Kuhn 16H
Latitude:	39.61519650
Longitude:	-80.53081260
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,970
Total Base Water Volume (gal):	31,091,214
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	88.55266	None
Sand (Proppant)	EQT	Proppant	Silica Substrate	14808-60-7	100.00000	11.22240	None
Clearal 268	ChemStream	Biocide	Non-hazardous substances	Proprietary	80.00000	0.00890	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor	Non-hazardous substances	Proprietary	90.00000	0.00753	None
StimSTREAM FR 2800	ChemStream	Friction Reducer	Distillates (petroleum), hydrated light	64742-47-8	25.00000	0.00521	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Copolymer of 2-propenamide	Proprietary	30.00000	0.00279	None
15% HCl	Evolution Well Services	Acid	Hydrogen Chloride	7647-01-0	15.00000	0.00195	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Petroleum Distillate	64742-47-8	20.00000	0.00124	None
Clearal 268	ChemStream	Biocide					

*Handwritten signature/initials*

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			Glutaraldehyde	111-30-8	20.00000	0.00056	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor					
			Methanol	67-56-1	90.00000	0.00021	None
StimSTREAM FR 2800	ChemStream	Friction Reducer					
			Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9	5.00000	0.00021	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid)(BHMT)	34690-00-1	10.00000	0.00009	None
Ferriplex 66	Evolution	Iron Control					
			Acetic Acid	000064-19-7	50.00000	0.00005	None
Ferriplex 66	Evolution	Iron Control					
			Citric Acid	000077-92-9	30.00000	0.00002	None
Clearal 268	ChemStream	Biocide					
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00001	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00001	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Oleic Acid Diethanolamide	93-83-4	2.00000	0.00001	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00000	None
Clearal 268	ChemStream	Biocide					
			Ethanol	64-17-5	1.50000	0.00000	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor					
			Propargyl alcohol	107-19-7	5.00000	0.00000	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor					
			Alcohols, C14-C15, ethoxylated	68951-67-7	7.00000	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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Environmental Protection

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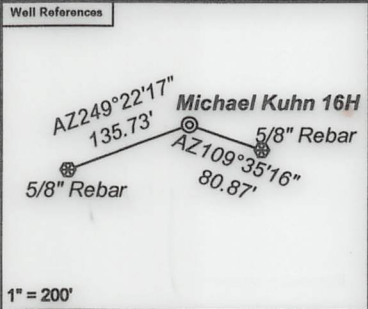




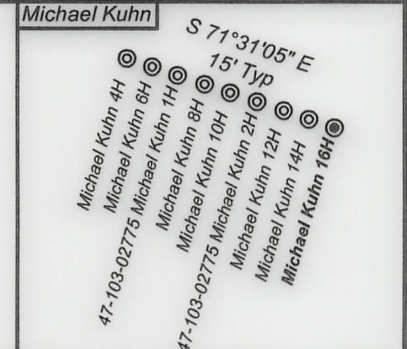


**Michael Kuhn 16H**  
**Michael Kuhn**  
**EQT Production Company**

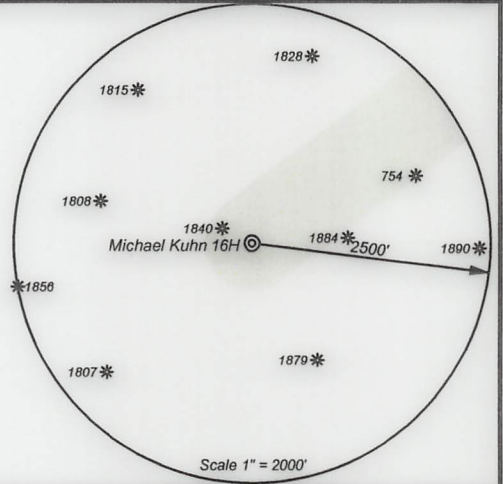
Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	20	32	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	36.40
2	13	8	Wetzel	Church	William B. Francik Jr.	48.44
3	17	1	Wetzel	Church	Buck Buster Hunt Club of WV Inc.	100.00
4	4	12	Wetzel	Grant	Robert L. McCann Jr. & Andrew S. McCann	190.78
5	5	1	Wetzel	Grant	Raccoon Run Properties LLC	370.01
6	10	2.1	Wetzel	Grant	Richard L. Ebright	139.18
7	10	21	Wetzel	Grant	John Gump Jr. & Mary Jo. Gump	25.00
8	13	7	Wetzel	Church	Daniel T & Kristie D. Park	36.00
9	13	5	Wetzel	Church	Daniel T & Kristie D. Park	48.70
10	14	18.2	Wetzel	Church	Edward N. & Jane A. Brown	69.83
11	20	35	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	54.00
12	20	31	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	40.00
13	20	27	Wetzel	Center	Robert E. & Linda E. Rix	48.75
14	20	18	Wetzel	Center	Robert E. & Linda E. Rix	60.10
15	20	36	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	45.00
16	20	5	Wetzel	Center	Robert F. & Linda Rix	107.00
17	13	6	Wetzel	Church	William B. & Pamela S. Francik	26.50
18	13	9	Wetzel	Church	William B. Francik Jr.	28.00
19	14	30.2	Wetzel	Church	Silas W. Stoneking, et al.	25.00
20	13	10	Wetzel	Church	Buck Buster Hunt Club of WV Inc	27.50
21	18	1	Wetzel	Church	Andrew Pintus	31.80
22	18	2	Wetzel	Church	David Brickenstein, et al.	98.50
23	14	31	Wetzel	Church	David M. Teagarden	40.00
24	9	12	Wetzel	Grant	Burl Barr	80.28
25	9	64	Wetzel	Grant	Calvin N. Barr, et al.	32.92
26	18	10	Wetzel	Church	Steven W. & Carolyn L. Blair	19.00
27	18	11	Wetzel	Church	Thomas E. Kahl	29.00
28	18	17	Wetzel	Church	Cecil Summers	57.30
29	10	4	Wetzel	Grant	Gary R. Taylor	86.08
30	10	9	Wetzel	Grant	Gregory A. Burdine	22.50
31	10	11	Wetzel	Grant	Earney J. Stoneking	3.52
32	10	2.2	Wetzel	Grant	Earney J. & Romona L. Stoneking	0.99
33	10	2	Wetzel	Grant	Joseph W. Judge	12.75
34	10	31.1	Wetzel	Grant	Norman & Stacy Adams	0.92
35	10	10	Wetzel	Grant	Leroy & Hazel Kirkpatrick	1.07
36	10	31	Wetzel	Grant	John Gump Jr. & Mary Jo. Gump	16.33
37	10	20	Wetzel	Grant	Billy J. & Frances J. Higgins Irrevocable Trust	21.06
38	18	19	Wetzel	Church	Harold Richmond	45.12
39	10	5	Wetzel	Grant	Ervin Paul Park	99.94
40	10	12	Wetzel	Grant	Gary R. Taylor	6.25
41	10	25	Wetzel	Grant	Gary R. Taylor	20.00
42	10	26	Wetzel	Grant	Susan Harper, et al.	13.00
43	10	35	Wetzel	Grant	EQT Gathering, LLC	24.00
44	10	23	Wetzel	Grant	James L. Greathouse	97.70
45	10	32	Wetzel	Grant	Richard E. & Jay A. Griffith	60.00
46	13	10.1	Wetzel	Church	William B. & Pamela S. Francik	1.14
47	14	32	Wetzel	Church	Daniel T & Kristie D. Park	30.00
48	14	32.1	Wetzel	Church	Unknown	1.00
49	10	40	Wetzel	Grant	Ronald Gump	94.50
50	10	33	Wetzel	Grant	Brady Grefe	5.56
51	10	33.1	Wetzel	Grant	Bobby L. Gump, et al.	1.52
52	10	33.2	Wetzel	Grant	Michael Six	0.44
53	14	33	Wetzel	Church	Maureen Cable	18.00
54	18	3	Wetzel	Church	William A. & Cathy A. Patterson	53.10
55	10	41	Wetzel	Grant	Joshua R. Gump	18.53
56	10	45.1	Wetzel	Grant	Bruce W. & Crystal F. Bradley	16.00
57	10	45	Wetzel	Grant	Roger L. & Kathy S. Edgell	10.30
58	10	44	Wetzel	Grant	Ronald K. & Deloris P. Gump	4.10
59	15	2	Wetzel	Grant	Coastal Forest Resources Company	61.00
60	15	8	Wetzel	Grant	Coastal Forest Resources Company	49.00
61	15	7	Wetzel	Grant	Timothy E. Titus	115.00
62	15	1	Wetzel	Grant	Timothy E. Titus	43.20
63	10	3	Wetzel	Grant	William & Lisa Stoneking	17.30
64	10	2.4	Wetzel	Grant	Joseph W. Judge	0.31
65	10	2.3	Wetzel	Grant	Earney Jay & Romona Lou Stoneking	0.20



**As Drilled Well Information:**  
 Michael Kuhn 16H coordinates are  
 NAD 27 N: 407,815.08 E: 1,709,551.56  
 NAD 83 UTM N: 4,385,154.36 E: 540,273.67  
**Michael Kuhn 16H Kick Out Point coordinates are**  
 NAD 27 N: 407,816.62 E: 1,709,551.07  
 NAD 83 UTM N: 4,385,154.82 E: 540,273.51  
**Michael Kuhn 16H Landing Point coordinates are**  
 NAD 27 N: 409,528.61 E: 1,713,124.38  
 NAD 83 UTM N: 4,385,694.61 E: 541,353.49  
**Michael Kuhn 16H Bottom Hole coordinates are**  
 NAD 27 N: 397,034.79 E: 1,720,636.77  
 NAD 83 UTM N: 4,381,926.44 E: 543,705.65  
 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.



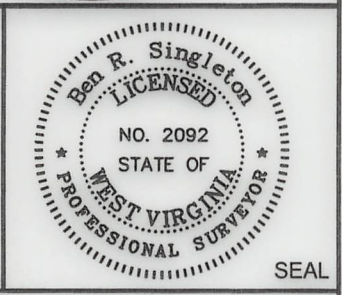
Lease No.	Owner	Acres
300641	Beulah Deloris Ballard	47
870238	Miriam K. Knowles, a/k/a Miriam M. Knowles and Philip G. Knowles, et al.	26.5
870054	George D. Park, et al.	125
870110	George D. Park, et al.	36.25
870109	Buckbusters Hunting Club of WVA, LLC	127.5
870100	Gail Bickett, et al.	31.8
870099	AMP IV, LP, et al.	98.50
870495	Shiben Estates, Inc.	129
1044950	Patrick Harold Hasenbuhler, et al.	139.18
1018970	Three Rivers Royalty, LLC, et al.	75
300715	Patrick Harold Hasenbuhler, et al.	100.00
870089	Ervin Park, et al.	97.7
870124	Ronald Keith Gump, II and Deloris Paula Gump, et al.	94.5
1047409	Lloyd Joe Prine	11.256



*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: 49-20  
 DRAWING NO: Michael Kuhn 16H  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1:2500  
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: April 1 20 22  
 OPERATOR'S WELL NO.: Michael Kuhn 16H  
 API WELL NO  
 47 - 103 - 03417  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1509' WATERSHED: Knob Fork of West Virginia Fork Fishing Creek QUADRANGLE: Big Run  
 DISTRICT: Center COUNTY: Wetzel  
 SURFACE OWNER: Rachel Elizabeth Wyatt & Sheldon R. Norris ACREAGE: 36.40  
 ROYALTY OWNER: Michael G. Kuhn LEASE NO: 870238 ACREAGE: 202  
 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: 7751'

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