

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

API 47-103-03414 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 10H (L003943)  
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 4,385,160.00 Easting 540,255.80  
Landing Point of Curve Northing 4,385,238.50 Easting 540,562.26  
Bottom Hole Northing 4,380,754.00 Easting 543,403.81

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 13.7 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 12/15/2021 Date drilling commenced 08/23/2021 Date drilling ceased 01/31/2022  
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

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 1171,1277 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by: [Signature]  
**APPROVED**  
**12/08/2023**

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API 47- 103-03414 Farm name Rachel Elizabeth Wyatt & Sheldon R. Norris Well number BIG467 10H (L003943)

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"	1327'	NEW	J-55 54.5#	1240'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2810'	NEW	A-500 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	25,604'	NEW	HP-P110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1045' 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	1086	16.0	1.13	1227	0	8
Coal							
Intermediate 1	CLASS A	1003	15.6	1.18	1183	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	5575	15.2	1.04	5798	1045	8+
Tubing							

Drillers TD (ft) 25,622' Loggers TD (ft) N/A  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure N/A

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Kick off depth (ft) 1360'

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 2364' \_\_\_\_\_

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 \_\_\_\_\_

*Handwritten signature and date: 10/24/23*

12/08/2023

API 47- 103 - 03414

Farm name Rachel Elizabeth Wyatt & Sheldon R. Norris

Well number BIG467 10H (L003943)

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
<b>PERFORATION DATA ATTACHED</b>					

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)
<b>STIMULATION DATA ATTACHED</b>								

Please insert additional pages as applicable.

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*JAN*  
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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                  Oil                  NGL                  Water                  GAS MEASURED BY  
                   21849    mcfpd    0    bpd    0    bpd    816    bpd     Estimated     Orifice     Pilot

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

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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 724-579-5475  
 Signature \_\_\_\_\_ Title Director of Completions Date 2023-07-11

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

SM

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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 Suite125 City The Woodlands State TX Zip 77380

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Well # Michael Kuhn 10H (L003943) Final Formations API# 47-103-03414				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	1,171	1,171
Sewickley Coal	1,171	1,171	1,179	1,179
Sand/Shale	1,179	1,179	1,277	1,277
Pittsburgh Coal	1,277	1,277	1,284	1,284
Sand/Shale	1,284	1,284	2,605	2,601
Big Injun	2,605	2,601	2,755	2,750
Sand/Shale	2,755	2,750	2,873	2,868
Berea	2,873	2,868	3,133	3,126
Sand/Shale	3,133	3,126	3,238	3,229
Gantz	3,238	3,229	3,306	3,296
Fifty foot	3,306	3,296	3,394	3,383
Thirty foot	3,394	3,383	3,591	3,576
Bayard	3,591	3,576	3,665	3,648
Sand/Shale	3,665	3,648	3,996	3,972
Upper Speechley	3,996	3,972	4,049	4,024
Speechley	4,049	4,024	4,132	4,105
Balltown	4,132	4,105	4,496	4,461
Bradford	4,496	4,461	5,611	5,556
Benson	5,611	5,556	6,019	5,957
Alexander	6,019	5,957	6,450	6,380
Elk	6,450	6,380	7,207	7,121
Sonyea	7,207	7,121	7,379	7,288
Middlesex	7,379	7,288	7,424	7,330
Genesee	7,424	7,330	7,511	7,409
Geneseo	7,511	7,409	7,538	7,432
Tully	7,538	7,432	7,561	7,452
Hamilton	7,561	7,452	7,672	7,538
Marcellus	7,672	7,538	25,622	7,923

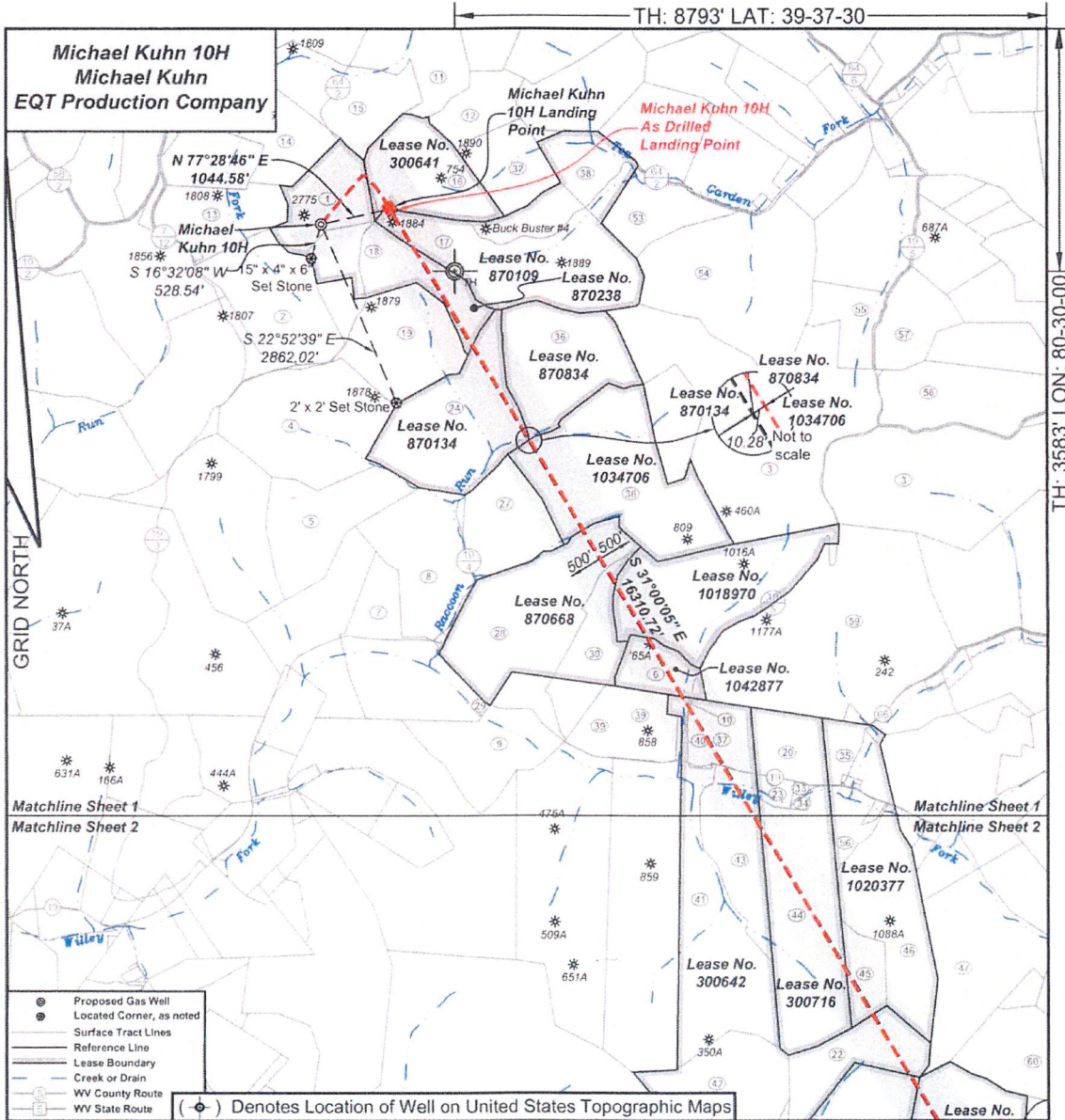
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TH: 8793' LAT: 39-37-30

TH: 3583' LON: 80-30-00

**Michael Kuhn 10H**  
**Michael Kuhn**  
**EQT Production Company**

**Michael Kuhn 10H**  
**As Drilled**  
**Landing Point**

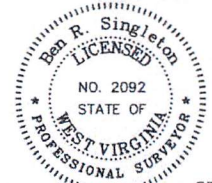
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

(⊙) 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



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FILE NO: 49-20  
 DRAWING NO: Michael Kuhn 10H  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1:2500  
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

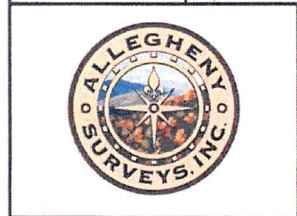
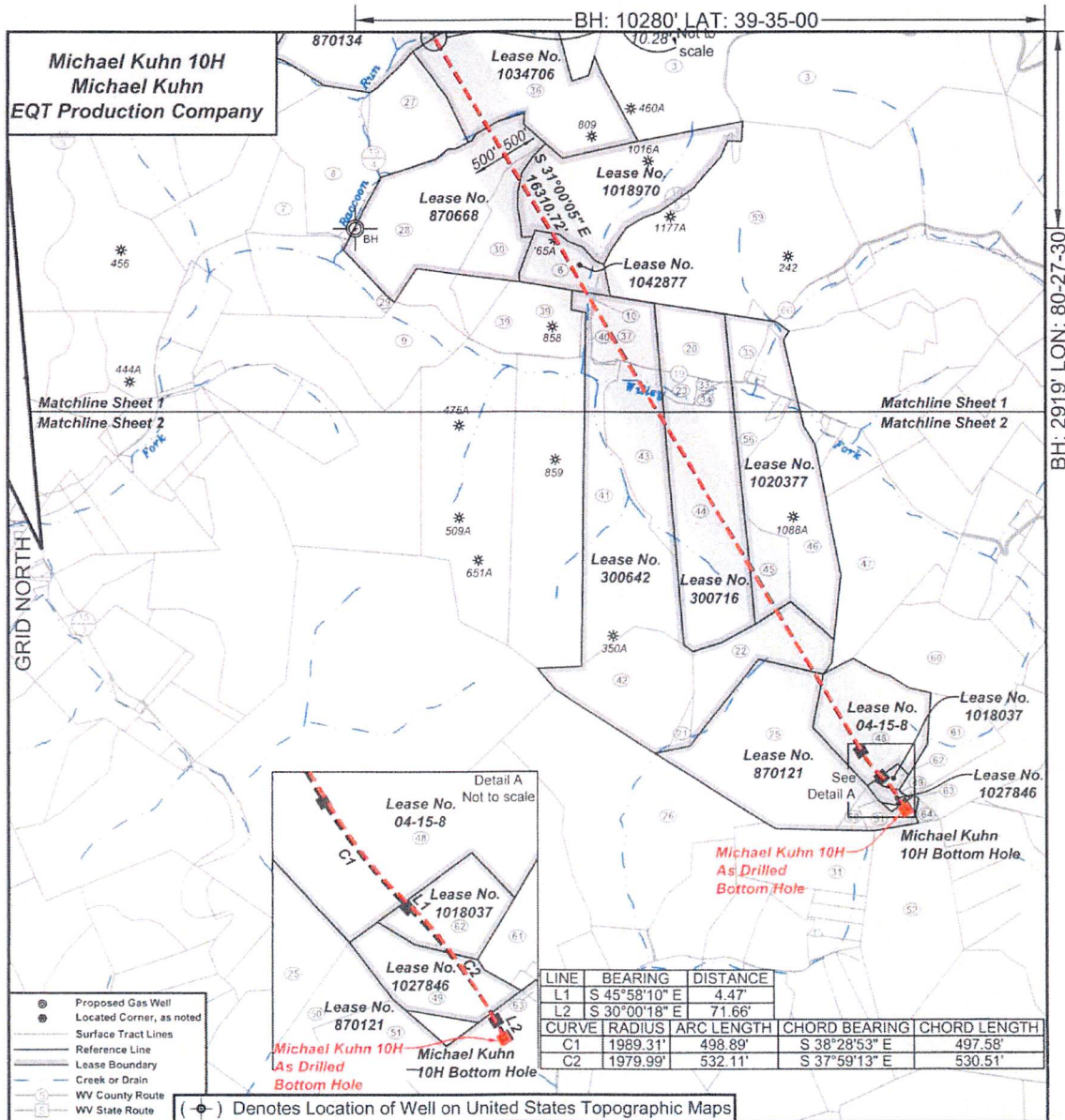
**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: February 22, 2022  
 OPERATOR'S WELL NO.: Michael Kuhn 10H  
 API WELL NO  
 47 - 103 - 03414  
 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: 7736'

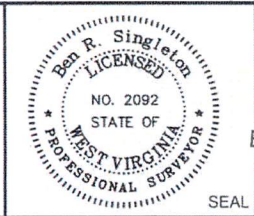
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
 ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280  
 Canonsburg, PA 15317 Bridgeport, WV 26330

12/08/2023



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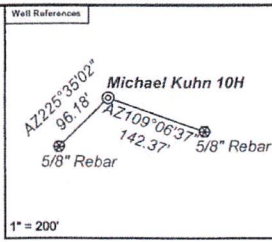
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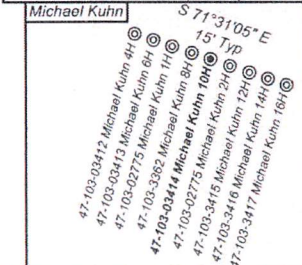


**Michael Kuhn 10H**  
**Michael Kuhn**  
**EQT Production Company**

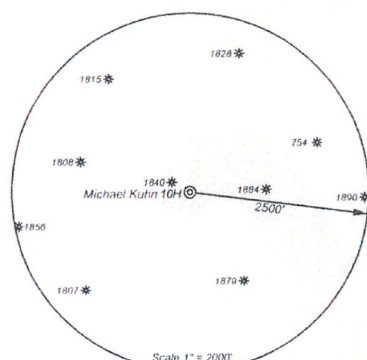
Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	20	32	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	36.40
2	20	35	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	54.00
3	5	1	Wetzel	Grant	Raccoon Run Properties LLC	379.01
4	4	10	Wetzel	Grant	William B. & Pamela S. Franck	76.78
5	9	3	Wetzel	Grant	William B. & Pamela S. Franck	50.00
6	10	8	Wetzel	Grant	Gregory A. Budine	22.50
7	9	21	Wetzel	Grant	Gregory A. Michael Dunaway	59.00
8	9	4	Wetzel	Grant	Gregory A. Michael Dunaway	50.00
9	9	27	Wetzel	Grant	Burt Barr	47.17
10	10	19	Wetzel	Grant	Robert Chappis	2.41
11	20	5	Wetzel	Center	Robert F. & Linda Rix	107.00
12	13	8	Wetzel	Church	William B. & Pamela S. Franck	28.50
13	20	31	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	40.00
14	20	27	Wetzel	Center	Robert E. & Linda E. Rix	48.75
15	20	18	Wetzel	Center	Robert E. & Linda E. Rix	60.10
16	13	9	Wetzel	Church	William B. Franck Jr.	48.44
17	17	1	Wetzel	Church	Buck Buster Hunt Club of WV Inc.	100.00
18	20	36	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	45.00
19	20	37	Wetzel	Center	William B. & Pamela S. Franck	87.30
20	10	21	Wetzel	Grant	John Gump Jr. & Mary Jo Gump	25.00
21	15	8	Wetzel	Grant	Donald J. D'Usky, et al.	2.75
22	15	1	Wetzel	Grant	Timothy E. Tibus	43.20
23	10	38.1	Wetzel	Grant	Brooks Howerman	5.00
24	4	11	Wetzel	Grant	Liberty Holding Company	88.05
25	15	7	Wetzel	Grant	Timothy E. Tibus	115.00
26	15	12	Wetzel	Grant	Donald J. D'Usky, et al.	147.50
27	9	5	Wetzel	Grant	John E. Sewell	30.50
28	9	12	Wetzel	Grant	Burt Barr	80.26
29	9	21.2	Wetzel	Grant	David W. & Barbara L. Anderson	1.00
30	9	64	Wetzel	Grant	Cahan N. Barr, et al.	32.92
31	15	13	Wetzel	Grant	Donald W. & Dianne White	40.00
32	13	6	Wetzel	Church	William B. Franck Jr.	28.00
33	10	49	Wetzel	Grant	Brooks & Donna J. Howerman	1.28
34	10	30	Wetzel	Grant	Tammy D. Chambers	1.05
35	10	31	Wetzel	Grant	John Gump Jr. & Mary Jo Gump	16.31
36	4	12	Wetzel	Grant	Robert L. McCann Jr. & Andrew S. McCann	100.78
37	10	20	Wetzel	Grant	Billy J. & Frances J. Huggins Irrevocable Trust	21.00
38	13	10	Wetzel	Church	Buck Buster Hunt Club of WV Inc.	27.00
39	10	18	Wetzel	Grant	Michael J. & Patricia L. Barber	35.00
40	10	29.1	Wetzel	Grant	Robert Rice	2.21
41	10	29	Wetzel	Grant	Billy J. & Frances J. Huggins Irrevocable Trust	99.31
42	15	5	Wetzel	Grant	Donald J. D'Usky, et al.	43.20
43	10	29.2	Wetzel	Grant	Randy R. Rex	40.00
44	10	38	Wetzel	Grant	Tammy D. Chambers	80.67
45	10	39	Wetzel	Grant	Tammy D. Chambers	18.36
46	10	32	Wetzel	Grant	Richard E. & Jay A. Griffin	80.00
47	10	40	Wetzel	Grant	Ronald A. Gump & Delores P. Gump	94.50
48	15	8	Wetzel	Grant	Coastal Forest Resources Company	48.00
49	15	14	Wetzel	Grant	Rich Rager	2.70
50	15	7.2	Wetzel	Grant	Monice E. O'Bannon	6.00
51	15	7.1	Wetzel	Grant	Donald W. & Dianne White	7.80
52	15	29	Wetzel	Grant	William Jack & Beverly L. Barr	76.22
53	18	1	Wetzel	Church	Andrew Prilus	31.80
54	18	2	Wetzel	Church	David Brockenstein, et al.	68.50
55	18	10	Wetzel	Church	Steven W. & Carolyn L. Blair	19.00
56	10	33	Wetzel	Grant	Brady Grefe	5.56
57	18	11	Wetzel	Church	Thomas E. Kani	29.00
58	18	17	Wetzel	Church	Cecil Summers	57.30
59	10	2.1	Wetzel	Grant	Richard L. Elmgist	139.18
60	15	2	Wetzel	Grant	Coastal Forest Resources Company	61.00
61	15	10	Wetzel	Grant	Coastal Forest Resources Company	20.94
62	15	6	Wetzel	Grant	Coastal Forest Resources Company	2.50
63	15	15	Wetzel	Grant	Charleston Welding Co. LLC	0.21
64	15	27	Wetzel	Grant	Coastal Forest Resources Company	1.45



As Drilled Well Information:  
**Michael Kuhn 10H coordinates are**  
 NAD 27 N: 407,834.57 E: 1,709,493.23  
 NAD 83 UTM N: 4,385,160.00 E: 540,255.80  
**Michael Kuhn 10H Kick Out Point coordinates are**  
 NAD 27 N: 407,834.59 E: 1,709,494.82  
 NAD 83 UTM N: 4,385,160.01 E: 540,256.28  
**Michael Kuhn 10H Landing Point coordinates are**  
 NAD 27 N: 408,075.37 E: 1,710,503.15  
 NAD 83 UTM N: 4,385,238.50 E: 540,562.26  
**Michael Kuhn 10H Bottom Hole coordinates are**  
 NAD 27 N: 393,204.10 E: 1,719,582.24  
 NAD 83 UTM N: 4,380,754.00 E: 543,403.81  
 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 Deoris Ballard	48.43874
870109	Buckbusters Hunting Club of WVA, LLC	127.5
870236	Michael G. Kuhn, et al.	202
870134	Liberty Holding Company, Inc.	80
870834	Shiben Estates, Inc. et al.	69.75
1028706	Andrew S. McGee, et al.	107.75
870868	Valerie D. Preat, et al.	103
1018970	Three Rivers Royalty, LLC, et al.	75
1042877	Liberty Holding Company	22.775
300642	Waco Oil & Gas Co., Inc. et al.	256
300716	Bourby Minerals LLC, et al.	122
1020377	Patrick Harold Hester-Buller, et al.	110
300642	Oxy USA Inc., et al.	288
870121	Beverly Kay Camdubell, et al.	117
04-15-8	Stone Hill Minerals Holdings, LLC	49
1018037	Coastal Forest Resources Company db/a Coastal Timberlands Company, et al.	2.5
1027846	Rich Rager	2.75



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 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: 7736'

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

12/08/2023

# 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	01/28/2023	25501.0	25341.0	36	Marcellus
3	01/29/2023	25322.0	25161.0	36	Marcellus
4	01/29/2023	25142.0	24982.0	36	Marcellus
5	01/30/2023	24963.0	24802.0	36	Marcellus
6	01/31/2023	24783.0	24623.0	36	Marcellus
7	01/31/2023	24604.0	24443.0	36	Marcellus
8	01/31/2023	24424.0	24263.0	36	Marcellus
9	01/31/2023	24245.0	24084.0	36	Marcellus
10	01/31/2023	24065.0	23904.0	36	Marcellus
11	02/01/2023	23885.0	23725.0	36	Marcellus
12	02/02/2023	23706.0	23545.0	36	Marcellus
13	02/02/2023	23526.0	23366.0	36	Marcellus
14	02/03/2023	23347.0	23186.0	36	Marcellus
15	02/03/2023	23167.0	23007.0	36	Marcellus
16	02/03/2023	22988.0	22827.0	36	Marcellus
17	02/03/2023	22808.0	22648.0	36	Marcellus
18	02/03/2023	22629.0	22468.0	36	Marcellus
19	02/04/2023	22449.0	22288.0	36	Marcellus
20	02/04/2023	22269.0	22109.0	36	Marcellus
21	02/06/2023	22090.0	21929.0	36	Marcellus
22	02/06/2023	21910.0	21750.0	36	Marcellus
23	02/06/2023	21731.0	21550.0	40	Marcellus
24	02/06/2023	21531.0	21350.0	40	Marcellus
25	02/10/2023	21331.0	21150.0	40	Marcellus
26	02/10/2023	21131.0	20950.0	40	Marcellus
27	02/11/2023	20931.0	20749.0	40	Marcellus
28	02/11/2023	20729.0	20547.0	40	Marcellus
29	02/11/2023	20528.0	20346.0	40	Marcellus
30	02/12/2023	20326.0	20144.0	40	Marcellus
31	02/12/2023	20125.0	19943.0	40	Marcellus
32	02/12/2023	19923.0	19741.0	40	Marcellus
33	02/13/2023	19722.0	19540.0	40	Marcellus
34	02/13/2023	19520.0	19338.0	40	Marcellus
35	02/13/2023	19319.0	19137.0	40	Marcellus
36	02/13/2023	19117.0	18935.0	40	Marcellus
37	02/14/2023	18916.0	18734.0	40	Marcellus
38	02/14/2023	18714.0	18532.0	40	Marcellus
39	02/14/2023	18513.0	18331.0	40	Marcellus
40	02/14/2023	18311.0	18129.0	40	Marcellus
41	02/14/2023	18110.0	17928.0	40	Marcellus
42	02/16/2023	17908.0	17726.0	40	Marcellus
43	02/16/2023	17707.0	17525.0	40	Marcellus
44	02/16/2023	17505.0	17323.0	40	Marcellus

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45	02/16/2023	17304.0	17122.0	40	Marcellus
46	02/16/2023	17102.0	16920.0	40	Marcellus
47	02/17/2023	16901.0	16719.0	40	Marcellus
48	02/17/2023	16699.0	16517.0	40	Marcellus
49	02/17/2023	16498.0	16316.0	40	Marcellus
50	02/17/2023	16296.0	16114.0	40	Marcellus
51	02/18/2023	16094.8	15912.5	40	Marcellus
52	02/18/2023	15893.3	15711.0	40	Marcellus
53	02/18/2023	15692.0	15510.0	40	Marcellus
54	02/20/2023	15490.0	15308.0	40	Marcellus
55	02/20/2023	15289.0	15107.0	40	Marcellus
56	02/21/2023	15087.0	14905.0	40	Marcellus
57	02/21/2023	14886.0	14704.0	40	Marcellus
58	02/22/2023	14684.0	14502.0	40	Marcellus
59	02/22/2023	14483.0	14301.0	40	Marcellus
60	02/23/2023	14281.0	14099.0	40	Marcellus
61	02/23/2023	14080.0	13898.0	40	Marcellus
62	02/24/2023	13878.0	13696.0	40	Marcellus
63	02/24/2023	13677.0	13495.0	40	Marcellus
64	02/24/2023	13475.0	13293.0	40	Marcellus
65	02/24/2023	13274.0	13092.0	40	Marcellus
66	02/25/2023	13072.0	12890.0	40	Marcellus
67	02/25/2023	12871.0	12689.0	40	Marcellus
68	02/25/2023	12669.0	12487.0	40	Marcellus
69	02/26/2023	12468.0	12286.0	40	Marcellus
70	02/26/2023	12266.0	12084.0	40	Marcellus
71	02/26/2023	12065.0	11883.0	40	Marcellus
72	02/26/2023	11863.0	11681.0	40	Marcellus
73	02/27/2023	11662.0	11480.0	40	Marcellus
74	02/27/2023	11460.0	11278.0	40	Marcellus
75	02/27/2023	11259.0	11077.0	40	Marcellus
76	02/28/2023	11057.0	10875.0	40	Marcellus
77	02/28/2023	10856.0	10674.0	40	Marcellus
78	02/28/2023	10654.0	10472.0	40	Marcellus
79	03/01/2023	10453.0	10271.0	40	Marcellus
80	03/01/2023	10251.0	10069.0	40	Marcellus
81	03/01/2023	10050.0	9868.0	40	Marcellus
82	03/01/2023	9848.0	9666.0	40	Marcellus
83	03/02/2023	9647.0	9465.0	40	Marcellus
84	03/02/2023	9445.0	9263.0	40	Marcellus
85	03/02/2023	9244.0	9062.0	40	Marcellus
86	03/03/2023	9042.0	8860.0	40	Marcellus
87	03/03/2023	8841.0	8659.0	40	Marcellus
88	03/03/2023	8639.0	8457.0	40	Marcellus
89	03/03/2023	8438.0	8256.0	40	Marcellus
90	03/04/2023	8236.0	8054.0	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	02/12/2023	74	9167	7063	5821	176004	4873	
2	01/28/2023	81	9301	6340	6616	396000	9529	
3	01/29/2023	79	9417	6031	6124	396097	9342	
4	01/29/2023	82	9400	5557	6294	396041	9297	
5	01/31/2023	84	9256	7293	5714	396787	9356	
6	01/31/2023	86	9298	5303	5796	396311	9306	
7	01/31/2023	91	9385	5145	5759	396000	9251	
8	01/31/2023	88	9398	6282	5790	396079	9243	
9	02/01/2023	85	9226	5956	5671	396028	9191	
10	02/02/2023	84	9158	6493	5857	396562	9225	
11	01/28/2023	87	9258	6250	5832	396471	9298	
12	02/02/2023	87	9277	5941	6088	396018	9312	
13	02/03/2023	80	9252	6256	6015	396021	10610	
14	02/03/2023	92	9368	5034	5845	396020	9216	
15	02/03/2023	92	9377	6312	5787	396044	9189	
16	02/03/2023	92	9407	6144	5408	396028	9179	
17	02/04/2023	89	9355	6233	6152	396097	9148	
18	02/04/2023	86	9357	6283	5868	396117	9112	
19	02/04/2023	87	9355	6195	6381	396139	9128	
20	02/06/2023	94	9127	6367	4180	396436	10784	
21	02/06/2023	92	9379	6219	5854	396025	9215	
22	02/06/2023	92	9378	9138	5854	396021	9210	
23	02/07/2023	94	9324	6448	5948	440193	10166	
24	02/10/2023	91	9324	6123	6069	440120	10190	
25	02/10/2023	94	9425	5929	5636	440182	10145	
26	02/11/2023	95	9293	6569	5511	440022	10114	
27	02/11/2023	94	9075	6138	5494	440128	10098	
28	02/11/2023	97	9385	6039	5903	440134	10017	
29	02/12/2023	98	9264	6068	6195	440041	10100	
30	02/12/2023	97	9363	5927	6011	440560	10080	
31	02/12/2023	98	9309	6007	5456	440231	10115	
32	02/13/2023	99	9310	6236	9286	440236	10053	
33	02/13/2023	98	9305	5663	5570	440333	10048	
34	02/13/2023	100	9315	6201	5545	440387	10032	
35	02/13/2023	99	9281	5971	5515	440193	10087	
36	02/14/2023	100	9158	5712	5886	440273	10026	
37	02/14/2023	99	9238	5977	5718	440134	9993	
38	02/14/2023	99	9279	5850	5634	440180	10040	
39	02/14/2023	99	9309	5900	5661	440334	10045	
40	02/15/2023	100	9253	5743	5786	440315	10022	
41	02/15/2023	99	9298	5663	5627	440031	9977	
42	02/16/2023	96	9139	6054	5730	440281	9942	

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43	02/16/2023	97	9050	6117	5475	440310	10016
44	02/16/2023	100	9132	6000	5680	440330	10021
45	02/17/2023	100	9164	5945	5796	440397	10009
46	02/17/2023	100	9191	6111	5992	440139	9989
47	02/17/2023	100	9112	6199	6101	440541	9923
48	02/18/2023	100	9195	6155	5847	440118	9955
49	02/18/2023	96	8978	6313	5664	440091	10001
50	02/18/2023	100	9148	5698	5282	440339	9979
51	02/18/2023	100	9170	5823	5061	440339	9950
52	02/19/2023	100	9121	5909	5427	440107	9954
53	02/20/2023	100	9163	6018	5214	440158	9952
54	02/20/2023	99	9264	5994	5289	440142	9915
55	02/21/2023	100	9080	5866	2743	440176	9817
56	02/21/2023	99	9042	5815	5432	440201	9804
57	02/22/2023	100	9095	5521	5410	440328	9809
58	02/22/2023	100	9002	5872	4952	440304	9810
59	02/23/2023	100	9113	6210	5429	440447	9808
60	02/23/2023	99	9197	5929	6329	440372	9797
61	02/23/2023	99	9227	5976	5552	440002	9925
62	02/24/2023	100	9206	6000	5531	440008	9769
63	02/24/2023	98	9092	6099	4948	440417	9877
64	02/24/2023	100	9132	5653	4648	440247	9834
65	02/25/2023	100	9235	5670	5079	440008	9810
66	02/25/2023	100	9284	5829	5223	440002	9821
67	02/25/2023	100	8962	5719	4704	440420	9811
68	02/26/2023	101	9156	5716	5766	440021	9834
69	02/26/2023	100	9139	5649	4767	440390	9819
70	02/26/2023	100	9044	5643	4624	440250	9796
71	02/27/2023	101	9027	5686	5112	440118	9793
72	02/27/2023	99	8893	5504	4660	440032	9790
73	02/27/2023	100	8831	6000	4688	440398	9756
74	02/27/2023	100	8605	5685	5210	440169	9749
75	02/28/2023	100	8704	5512	5388	440241	9751
76	02/28/2023	99	8884	5817	5467	440395	9746
77	02/28/2023	100	8762	5817	5006	440796	9864
78	03/01/2023	101	8953	5843	4780	440134	9682
79	03/01/2023	101	8945	5894	4775	440096	9759
80	03/01/2023	100	9000	5442	4579	440089	9738
81	03/01/2023	100	8884	5483	4830	440141	9694
82	03/02/2023	100	8780	5378	5311	440004	9683
83	03/02/2023	100	8703	5583	5784	440627	9707
84	03/02/2023	100	8751	5575	5231	440156	9601
85	03/03/2023	101	8791	5492	5408	440075	9587
86	03/03/2023	99	8760	5667	4561	440083	9680
87	03/03/2023	100	8508	5640	4426	440000	9696

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88	03/04/2023	100	8654	5652	4184	440089	9663
89	03/04/2023	100	8532	5853	4964	440021	9636
90	03/04/2023	100	8812	5833	4334	440146	9639

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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:	47-103-03414-00-00
Operator Name:	EQT Production
Well Name and Number:	Michael Kuhn 10H
Latitude:	39.61524810
Longitude:	-80.53102060
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,951
Total Base Water Volume (gal):	36,721,566
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	88.67747	None
Sand (Proppant)	EQT	Proppant	Silica Substrate	14808-60-7	100.00000	11.12082	None
Clearal 268	ChemStream	Biocide	Non-hazardous substances	Proprietary	80.00000	0.00900	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Copolymer of 2-propenamide	Proprietary	30.00000	0.00846	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor	Non-hazardous substances	Proprietary	90.00000	0.00763	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Petroleum Distillate	64742-47-8	20.00000	0.00376	None
15% HCl	Evolution Well Services	Acid	Hydrogen Chloride	7647-01-0	15.00000	0.00186	None
Clearal 268	ChemStream	Biocide	Glutaraldehyde	111-30-8	20.00000	0.00056	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor					

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			Methanol	67-56-1	90.00000	0.00020	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid)(BHMT)	34690-00-1	10.00000	0.00009	None
StimSTREAM FR 2800	ChemStream	Friction Reducer					
			Distillates (petroleum), hydrated light	64742-47-8	25.00000	0.00007	None
Ferriplex 66	Evolution	Iron Control					
			Acetic Acid	000064-19-7	50.00000	0.00005	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Oleic Acid Diethanolamide	93-83-4	2.00000	0.00004	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00004	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					
			Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00001	None
StimSTREAM FR 2800	ChemStream	Friction Reducer					
			Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9	5.00000	0.00000	None
Clearal 268	ChemStream	Biocide					
			Ethanol	64-17-5	1.50000	0.00000	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor					
			Alcohols, C14-C15, ethoxylated	68951-67-7	7.00000	0.00000	None
Plexhib 166	Evolution	Acid Corrosion Inhibitor					
			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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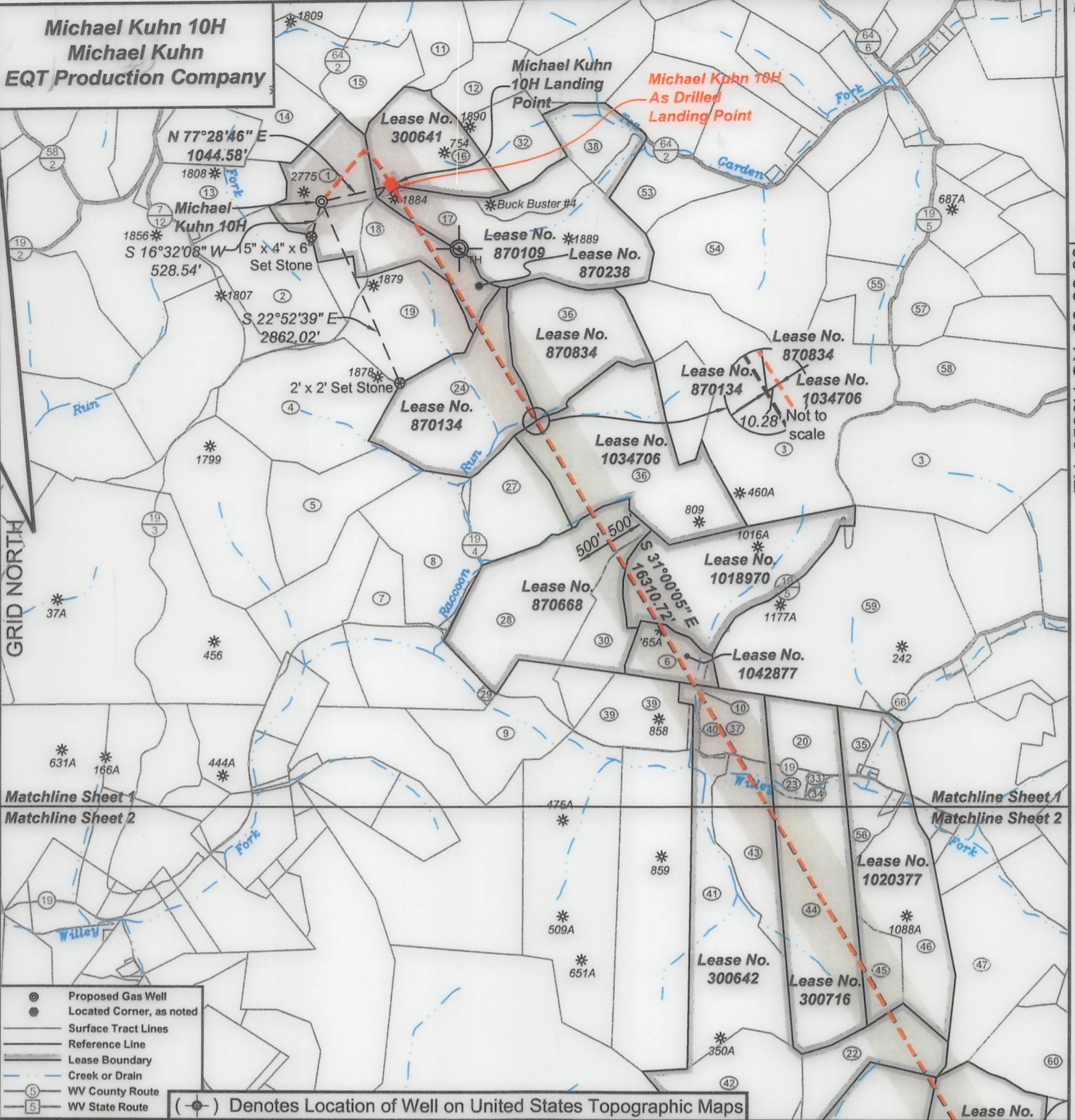
TH: 8793' LAT: 39-37-30

TH: 3583' LON: 80-30-00

Michael Kuhn 10H  
Michael Kuhn  
EQT Production Company

Michael Kuhn  
10H Landing  
Point

Michael Kuhn 10H  
As Drilled  
Landing Point



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 10H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station

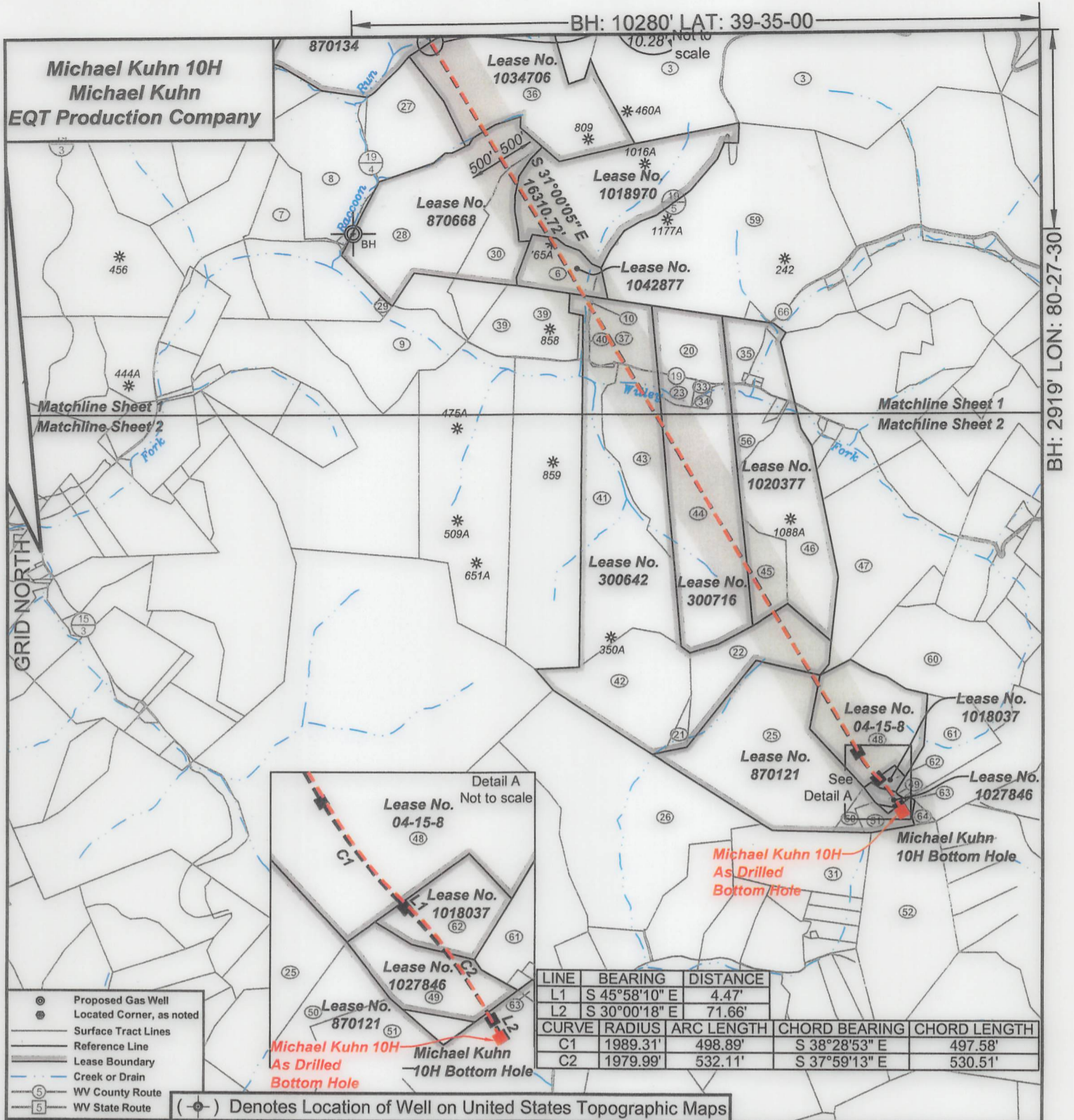
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS DIVISION

DATE: February 22 20 22  
OPERATOR'S WELL NO.: Michael Kuhn 10H  
API WELL NO  
47 - 103 - 03414  
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: 7736'

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

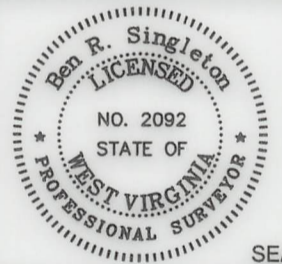
12/08/2023



*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



SEAL

FILE NO: 49-20  
 DRAWING NO: Michael Kuhn 10H  
 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: February 22 20 22  
 OPERATOR'S WELL NO.: Michael Kuhn 10H  
 API WELL NO  
 47 - 103 - 03414  
 STATE COUNTY PERMIT

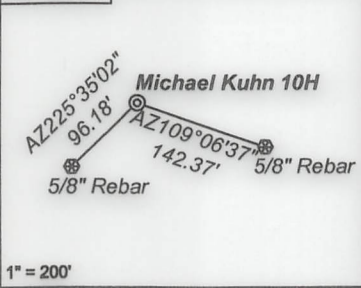
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1509' WATERSHED: Knob Fork of West Virginia Fork Fishing Creek QUADRANGLE: Big Run  
 DISTRICT: Center COUNTY: Wetzel  
 SURFACE OWNER: Rachel Elizabeth Wyatt & Sheldon R. Norris 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: 7736'

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

**Michael Kuhn 10H**  
**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	20	35	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	54.00
3	5	1	Wetzel	Grant	Raccoon Run Properties LLC	370.01
4	4	10	Wetzel	Grant	William B. & Pamela S. Franck	76.78
5	9	3	Wetzel	Grant	William B. & Pamela S. Franck	50.00
6	10	9	Wetzel	Grant	Gregory A. Burdine	22.50
7	9	21	Wetzel	Grant	Gregory & Michael Dulaney	59.90
8	9	4	Wetzel	Grant	Gregory & Michael Dulaney	59.00
9	9	27	Wetzel	Grant	Burl Barr	47.17
10	10	19	Wetzel	Grant	Robert Chipps	2.41
11	20	5	Wetzel	Center	Robert F. & Linda Rix	107.00
12	13	8	Wetzel	Church	William B. & Pamela S. Franck	26.50
13	20	31	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	40.00
14	20	27	Wetzel	Center	Robert E. & Linda E. Rix	48.75
15	20	18	Wetzel	Center	Robert E. & Linda E. Rix	60.10
16	13	8	Wetzel	Church	William B. Franck Jr.	48.44
17	17	1	Wetzel	Church	Buck Buster Hunt Club of WV Inc.	100.00
18	20	36	Wetzel	Center	Rachel Elizabeth Wyatt & Sheldon R. Norris	45.00
19	20	37	Wetzel	Center	William B. & Pamela S. Franck	67.50
20	10	21	Wetzel	Grant	John Gump Jr. & Mary Jo. Gump	25.00
21	15	6	Wetzel	Grant	Donald J. D'Lusky, et al.	2.75
22	15	1	Wetzel	Grant	Timothy E. Titus	43.20
23	10	38.1	Wetzel	Grant	Brooks Hineman	5.00
24	4	11	Wetzel	Grant	Liberty Holding Company	89.05
25	15	7	Wetzel	Grant	Timothy E. Titus	115.00
26	15	12	Wetzel	Grant	Donald J. D'Lusky, et al.	147.50
27	9	5	Wetzel	Grant	John E. Selwell	36.50
28	9	12	Wetzel	Grant	Burl Barr	80.28
29	9	21.2	Wetzel	Grant	David W. & Barbara L. Anderson	1.00
30	9	64	Wetzel	Grant	Calvin N. Barr, et al.	32.92
31	15	13	Wetzel	Grant	Donald W. & Dianna White	40.00
32	13	9	Wetzel	Church	William B. Franck Jr.	28.00
33	10	49	Wetzel	Grant	Brooks & Donna J. Hineman	1.28
34	10	30	Wetzel	Grant	Tammy D. Chambers	1.05
35	10	31	Wetzel	Grant	John Gump Jr. & Mary Jo. Gump	16.33
36	4	12	Wetzel	Grant	Robert L. McCann Jr. & Andrew S. McCann	190.78
37	10	20	Wetzel	Grant	Billy J. & Frances J. Higgins Irrevocable Trust	21.06
38	13	10	Wetzel	Church	Buck Buster Hunt Club of WV Inc	27.50
39	10	18	Wetzel	Grant	Michael J. & Patricia L. Barber	35.00
40	10	29.1	Wetzel	Grant	Robert Rice	2.21
41	10	29	Wetzel	Grant	Billy J. & Frances J. Huggins Irrevocable Trust	99.31
42	15	5	Wetzel	Grant	Donald J. D'Lusky, et al.	43.20
43	10	29.2	Wetzel	Grant	Randy R. Rex	40.00
44	10	38	Wetzel	Grant	Tammy D. Chambers	89.67
45	10	39	Wetzel	Grant	Tammy D. Chambers	18.36
46	10	32	Wetzel	Grant	Richard E. & Jay A. Griffith	60.00
47	10	40	Wetzel	Grant	Ronald K. Gump & Deloris P. Gump	94.50
48	15	8	Wetzel	Grant	Coastal Forest Resources Company	49.00
49	15	14	Wetzel	Grant	Rich Rager	2.70
50	15	7.2	Wetzel	Grant	Minnie E. O'Bannon	6.00
51	15	7.1	Wetzel	Grant	Donald W. & Dianna White	7.80
52	15	26	Wetzel	Grant	William Jack & Beverly L. Barr	76.22
53	18	1	Wetzel	Church	Andrew Pintus	31.80
54	18	2	Wetzel	Church	David Brickenstein, et al.	98.50
55	18	10	Wetzel	Church	Steven W. & Carolyn L. Blair	19.00
56	10	33	Wetzel	Grant	Brady Grefe	5.56
57	18	11	Wetzel	Church	Thomas E. Kahl	29.00
58	18	17	Wetzel	Church	Cecil Summers	57.30
59	10	2.1	Wetzel	Grant	Richard L. Ebright	139.18
60	15	2	Wetzel	Grant	Coastal Forest Resources Company	61.00
61	15	10	Wetzel	Grant	Coastal Forest Resources Company	29.64
62	15	9	Wetzel	Grant	Coastal Forest Resources Company	2.50
63	15	15	Wetzel	Grant	Charleston Welding Co LLC	0.21
64	15	37	Wetzel	Grant	Coastal Forest Resources Company	1.45

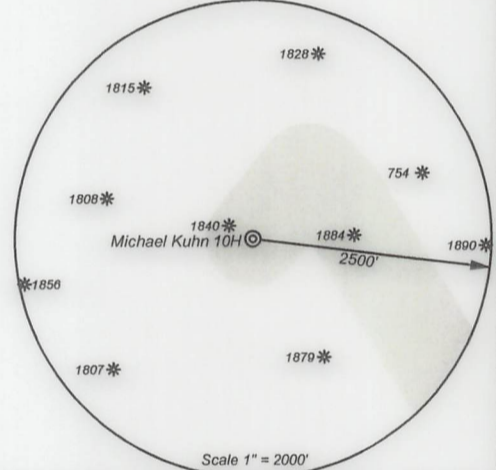
**Well References**



**As Drilled Well Information:**  
 Michael Kuhn 10H coordinates are  
 NAD 27 N: 407,834.57 E: 1,709,493.23  
 NAD 83 UTM N: 4,385,160.00 E: 540,255.80  
 Michael Kuhn 10H Kick Out Point coordinates are  
 NAD 27 N: 407,834.59 E: 1,709,494.82  
 NAD 83 UTM N: 4,385,160.01 E: 540,256.28  
 Michael Kuhn 10H Landing Point coordinates are  
 NAD 27 N: 408,075.37 E: 1,710,503.15  
 NAD 83 UTM N: 4,385,238.50 E: 540,562.26  
 Michael Kuhn 10H Bottom Hole coordinates are  
 NAD 27 N: 393,204.10 E: 1,719,582.24  
 NAD 83 UTM N: 4,380,754.00 E: 543,403.81  
 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.

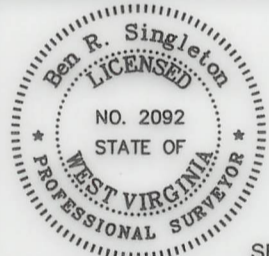


Lease No.	Owner	Acres
300641	Baulah Deloris Ballard	48.43874
870109	Buckbusters Hunting Club of WVA, LLC	127.5
870238	Michael G. Kuhn, et al.	202
870134	Liberty Holding Company, Inc.	89
870834	Shiben Estates, Inc., et al.	60.75
1034706	Andrew S. McCann, et al.	107.75
870668	Valerie D. Preat, et al.	103
1018970	Three Rivers Royalty, LLC, et al.	75
1042877	Liberty Holding Company	22.775
300642	Waco Oil & Gas Co., Inc., et al.	256
300716	Bounty Minerals LLC, et al.	122
1020377	Patrick Harold Hasenbuhler, et al.	110
300642	Oxy USA Inc., et al.	256
870121	Beverly Kay Campbell, et al.	117
40-15-8	Stone Hill Minerals Holdings, LLC	49
1018037	Coastal Forest Resources Company d/b/a Coastal Timberlands Company, et al.	2.5
1027846	Rich Rager	2.75



*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



SEAL

FILE NO: 49-20  
 DRAWING NO: Michael Kuhn 10H  
 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: February 22 20 22  
 OPERATOR'S WELL NO.: Michael Kuhn 10H  
 API WELL NO  
 47 - 103 - 03414  
 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  
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 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7736'

12/08/2023

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