

RECEIVED
Office of Oil and Gas
FEB 24 2025

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

APPROVED
Ky W. J. J. J.
3/24/25

API 47-049-02517 County Marion District Mannington
Quad Glover Gap Pad Name RADCLIFF Field/Pool Name N/A
Farm name Jackie D. and Sheila L. Radcliff Well Number Radcliff 6H (L004663)
Operator (as registered with the OOG) EQT Production Company
Address 400 Woodcliff Drive City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,382,152.65 Easting 548,258.84
Landing Point of Curve Northing 4,381,498.86 Easting 547,658.11
Bottom Hole Northing 4,377,559.60 Easting 549,579.45

Elevation (ft) 1494' 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 13.66 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 09/27/2023 Date drilling commenced 11/04/2023 Date drilling ceased 03/26/2024
Date completion activities began 09/12/2024 Date completion activities ceased 11/24/2024
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 448', 478', 609', 739', 893' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2110' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1190', 1282' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

09/19/2025

API 47- 049 - 02517 Farm name Jackie D. and Sheila L. Radcliff Well number Radcliff 6H (L004663)

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"	1348'	NEW	J-55 54.5#	1261'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2711'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	6"	23,967'	NEW	P-110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production cmt has calculated TOC of 1145'GL, which is greater than 500'TVD above the producing formation. No issues.

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 L	1265	16.0	1.09	1379	0	8
Coal							
Intermediate 1	CLASS L	1005	15.6	1.14	1146	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3945	15.0	1.18	4655	1145'	8+
Tubing							

Drillers TD (ft) 23,986' Loggers TD (ft) N/A
Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
Plug back procedure _____

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Kick off depth (ft) 2819'

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, EVERY OTHER JOINT TO 9107', EVERY JOINT TO 7887' AND EVERY OTHER JOINT TO 2147'

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 _____

09/19/2025

Farm name Jackie D. and Sheila L. Radcliff Well number Radcliff 6H (L004663)

[illegible]

Please insert additional pages as applicable.

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

09/19/2025

Well number Radcliff 6H (L004663)

DEPTHS

OIL TEST ☐ Flow ☐ Pump

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY		
0	mcfpd	0	bpd	0	bpd	0	bpd
						☐ Estimated	☒ Orifice
						☐ Pilot	

[illegible]

· Attach copy of FRACFOCUS Registry.

09/19/2025

API 47- 049 - 02517 Farm name Jackie D. and Sheila L. Radcliff Well number Radcliff 6H (L004663)

Drilling Contractor Falcon (Rig 25)

Address 1120 US-119 City Indiana State PA Zip 15701

Logging Company Scientific Drilling International

Address 3475 Washington Ave City Finleyville State PA Zip 15332

Logging Company GyroData

Address 73 Noblestown Road City Carnegie State PA Zip 15106

Drilling Contractor _____

Address _____ City _____ State _____ Zip _____

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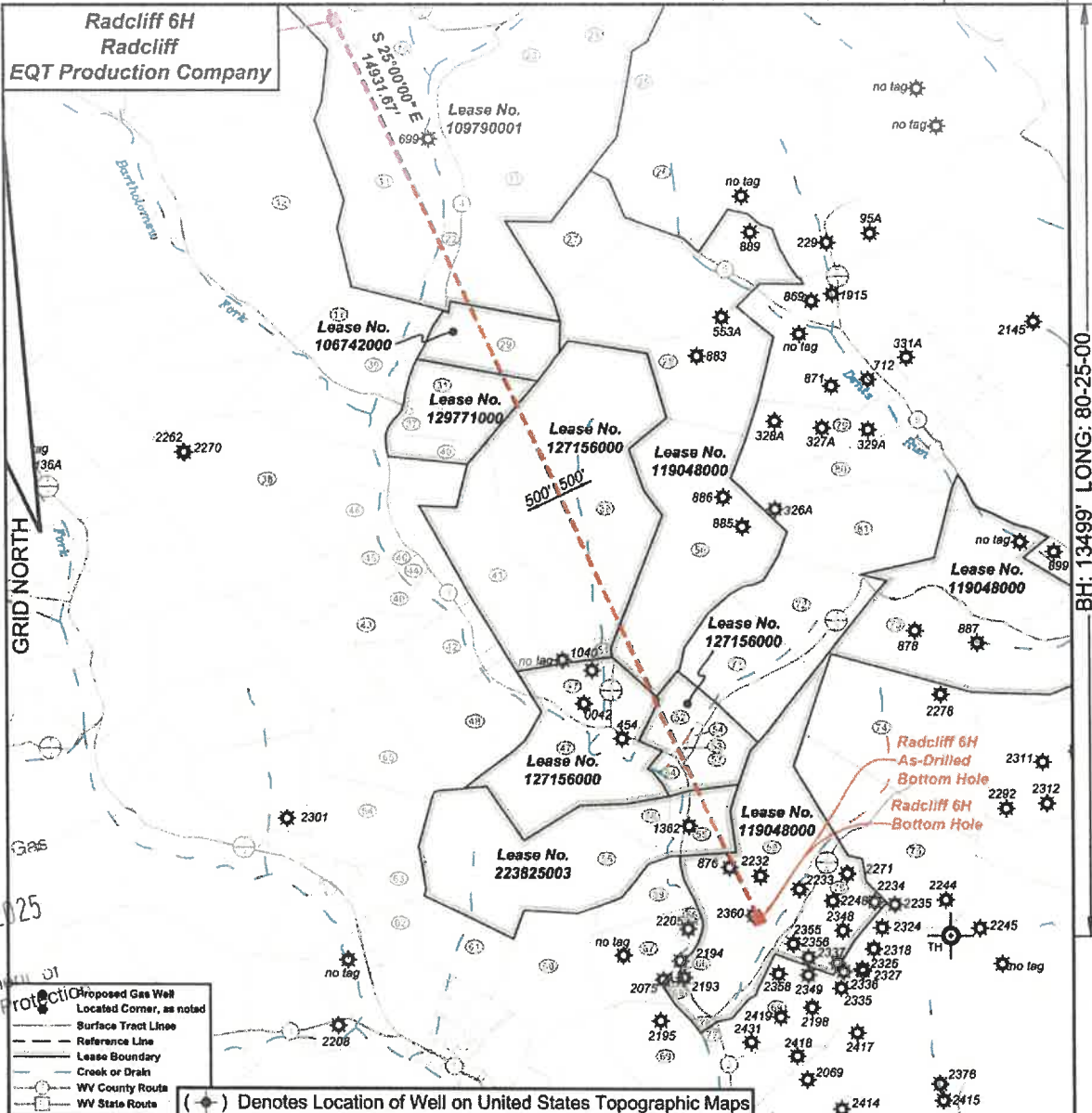
09/19/2025

Well # RADCLIFF 6H Final Formations API# 47-049-02517				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	1,190	1,190
Sewickley Coal	1,190	1,190	1,194	1,194
Sand/Shale	1,194	1,194	1,282	1,282
Pittsburgh Coal	1,282	1,282	1,292	1,292
Sand/Shale	1,292	1,292	2,455	2,455
Big Lime	2,455	2,455	2,528	2,528
Big Injun	2,528	2,528	2,656	2,656
Sand/Shale	2,656	2,656	2,771	2,771
Berea	2,771	2,771	3,346	3,342
Gordon	3,346	3,342	3,508	3,501
Bayard	3,508	3,501	5,949	5,614
Alexander	5,949	5,614	6,394	5,985
Elks	6,394	5,985	8,084	7,375
Sonyea	8,084	7,375	8,286	7,541
Middlesex	8,286	7,541	8,351	7,591
Genesee	8,351	7,591	8,502	7,698
Geneseo	8,502	7,698	8,551	7,729
Tully	8,551	7,729	8,610	7,762
Hamilton	8,610	7,762	8,894	7,872
Marcellus	8,894	7,872	23,986	7,927

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BH: 1783' LAT: 39-35-00

Radcliff 6H
Radcliff
EQT Production CompanyRECEIVED
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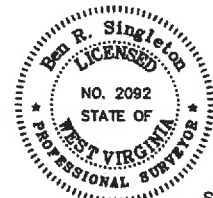
- Proposed Gas Well
Located Corner, as noted
Surface Tract Line
Reference Line
Lease Boundary
Creek or Drain
WV County Route
WV State Route

(★) 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.

P.S. 2092



SEAL

FILE NO: 113-21

DRAWING NO: Radcliff 6H

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
1:2500PROVEN SOURCE OF ELEVATION:
NGS CORS Station

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

DATE: April 1 20 24

OPERATOR'S WELL NO.: Radcliff 6H

API WELL NO

47 - 049 - 02517
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1493' WATERSHED Bartholomew Fork QUADRANGLE: Glover Gap

DISTRICT: Mannington COUNTY: Marion

SURFACE OWNER: Jackie D. & Sheila L. Radcliff

ACREAGE: 48.08

ROYALTY OWNER: Rebecca R. Shuttlesworth, et al.

LEASE NO: 109790001

ACREAGE: 1090

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: 7916'

WELL OPERATOR: EQT Production Company

DESIGNATED AGENT: Joseph C. Mallow

ADDRESS: 400 Woodcliff Drive

ADDRESS: 427 Midstate Drive

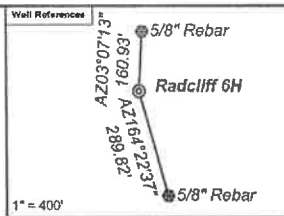
Canonsburg, PA 15317

Clarksburg, WV 26301

09/19/2025

Radcliff 6H Radcliff EQT Production Company

Tract L.O. Tax Map No. Parcel No.	County	District	Surface Tract Owner	Acres
1	40	10	Jackie D. & Sheila L. Radcliff	48.08
2	40	10	Shelly L. Nelson	48.03
3	40	3	Jason G. & Heather R. Short	99.73
4	40	3	Lula B. Knight	56.33
5	40	11	Clarence W. Sweeney	63
6	40	11	Jackie D. & Sheila L. Radcliff	27.28
7	40	13	Shelly L. Nelson	19.75
8	40	18	Nimrod Cole	92.12
9	40	17	Steven B. Newbraugh	106.7
10	40	13	Sara M. Pascoe, et al.	16.73
11	39	4	Coastal Forest Resources Company	145.722
12	40	22	James & Natalie Kerza	113.25
13	44	14	Charles D. & June Shaver	22.7
14	39	4.1	Thomas R. & Joann McSorley	14.9
15	40	2.2	James W. Boone	29.51
16	40	2.1	Jason G. & Heather R. Short	20.58
17	39	3	Thomas G. & Theresa A. Jones	30.32
18	39	5	Thomas G. & Theresa A. Jones	61.85
19	38	23.3	David Malfield	37.282
20	38	21	Devin G. & Louise M. Hayes	74.885
21	38	1	Cathy B. & Joseph J. Alexander	33.25
22	44	11	Charles D. & June Shaver	55.75
23	38	3	Justin B. Kende Davis	13.05
24	38	6	Thomas R. & Margaret M. Williams	13.18
25	44	13	Charles D. & June Shaver	128.75
26	38	10	Thomas E. & Andrea G. Ryan	176.13
27	40	8	John D. & Raji K. Cannon	64.56
28	38	9	Thomas E. & Andrea G. Ryan	62
29	44	5	Thomas E. & Andrea G. Ryan	24.51
30	44	6	John D. & Raji K. Cannon	25
31	38	6.1	John D. & Raji K. Cannon	2.69
32	44	8	Charles D. & June Shaver	16.5
33	44	9	Charles D. & June Shaver	19
34	44	1	Edna Marie Cain	105.5
35	44	4	Richard L. Carr	54.13
36	38	13	Yulia Mikhailova	115
37	38	10.3	Michael E. & Laura A. Gorbey	1.35
38	38	13.3	Christine L. Fragle, et al.	15.87
39	38	13	Cindy Staley, et al.	0.54
40	38	13.2	Christine L. Fragle, et al.	7
41	37	21	Justin R. Cain	129.85
42	37	21.1	Julie A. Pridley & Justin R. Cain	11.171
43	38	13.1	Christine L. Fragle, et al.	15.56
44	37	22	Jeffrey H. Michael	196.63
45	37	20	Justin R. Cain	18
46	37	3	Kevin D. & Heather L. Glascock	49.25
47	44	31	Richard C. Conwin	28
48	44	27	Daniel Bertico	23.236
49	44	26	Charles P. & Kelly R. Bower	41.85
50	44	24.1	RD of TMS Moss Microsplit GAD Log of AF & AJM WV Inc	43.56
51	44	24	Stratland Ltd	36.17
52	37	19	Gary E. Snodgrass	3.54
53	37	18	Tommy L. & Terri A. Snodgrass	31.65
54	37	22.1	Ronald C. & Betty L. Michael	5.17
55	37	17	Jeffrey H. Michael	86.94
56	38	14	Nancy M. Riggs	52
57	38	14.1	John A. Mayhew, Jr.	48
58	37	34	James D. Alderton	112.5
59	37	23	Christine L. Fragle, et al.	56
60	37	24	Jeffrey H. Michael	79
61	37	29	Jeffrey H. Michael	33.75
62	37	17.1	Ronald C. & Betty L. Michael	1.46
63	37	22.2	Ronald C. & Betty L. Michael	3.5
64	38	15	Dorothy D. Henderson	38.446
65	38	25.4	William E. Henderson	38.702
66	38	15	Michael & Julie A. Billo	58.67



As Drilled Well Information:
Radcliff 6H coordinates are
NAD 83 N: 397,565.38 E: 1,704,151.65
NAD 83 UTM N: 4,382,152.65 E: 549,258.84
Radcliff 6H Landing Point coordinates are
NAD 83 N: 395,452.92 E: 1,702,144.59
NAD 83 UTM N: 4,381,458.88 E: 547,658.11
Radcliff 6H Bottom Hole coordinates are
NAD 83 N: 382,421.43 E: 1,708,233.56
NAD 83 UTM N: 4,377,659.60 E: 549,579.45
West Virginia Coordinate system of 1983 (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.

Radcliff

Radcliff 18H

Radcliff 16H

Radcliff 14H

Radcliff 12H

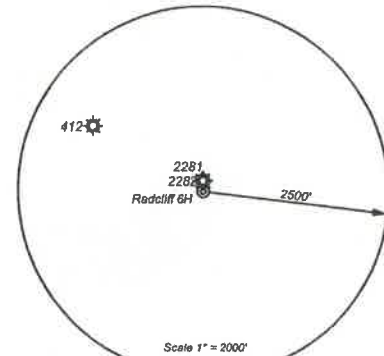
Radcliff 10H

Radcliff 8H

Radcliff 6H

Radcliff 4H

Lease No.	Owner	Acres
109790001	Rebecca R. Shuttlesworth, et al.	1090
108742000	The Sheila Lightfoot Revocable Trust, et al.	37.25
129771000	Joanne Edgall, et al.	50.75
127156000	EQT Production Company, et al.	240
119048000	Lee and Hal Royalties, et al.	809
127156000	EQT Production Company, et al.	102.75
127156000	EQT Production Company, et al.	41
223825003	Bradley W. Thomas, et al.	141



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SEAL

FILE NO: 113-21
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SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
1:2500
PROVEN SOURCE OF ELEVATION:
NGS CORS Station

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 1 20 24
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47 - 049 - 02517
STATE COUNTY PERMIT

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Canonsburg, PA 15317 Clarksburg, WV 26301

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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	09/13/2024	23881	23702	40	Marcellus
3	09/13/2024	23683	23504	40	Marcellus
4	09/14/2024	23486	23307	40	Marcellus
5	09/14/2024	23288	23109	40	Marcellus
6	09/14/2024	23091	22912	40	Marcellus
7	09/15/2024	22893	22714	40	Marcellus
8	09/15/2024	22696	22517	40	Marcellus
9	09/16/2024	22498	22319	40	Marcellus
10	09/16/2024	22301	22122	40	Marcellus
11	09/16/2024	22103	21924	40	Marcellus
12	09/17/2024	21906	21727	40	Marcellus
13	09/17/2024	21708	21529	40	Marcellus
14	09/18/2024	21511	21332	40	Marcellus
15	09/18/2024	21313	21134	40	Marcellus
16	09/18/2024	21116	20937	40	Marcellus
17	09/19/2024	20918	20739	40	Marcellus
18	09/19/2024	20721	20542	40	Marcellus
19	09/20/2024	20523	20344	40	Marcellus
20	09/20/2024	20326	20147	40	Marcellus
21	09/20/2024	20128	19949	40	Marcellus
22	09/21/2024	19931	19752	40	Marcellus
23	09/21/2024	19733	19554	40	Marcellus
24	09/22/2024	19536	19357	40	Marcellus
25	09/22/2024	19338	19159	40	Marcellus
26	09/23/2024	19141	18962	40	Marcellus
27	09/23/2024	18943	18764	40	Marcellus
28	09/24/2024	18746	18567	40	Marcellus
29	09/24/2024	18548	18369	40	Marcellus
30	09/25/2024	18351	18172	40	Marcellus
31	09/25/2024	18153	17974	40	Marcellus
32	09/25/2024	17956	17777	40	Marcellus
33	09/26/2024	17758	17579	40	Marcellus
34	09/26/2024	17561	17382	40	Marcellus
35	09/27/2024	17363	17184	40	Marcellus
36	09/27/2024	17166	16987	40	Marcellus
37	09/28/2024	16968	16789	40	Marcellus
38	09/28/2024	16771	16592	40	Marcellus
39	09/28/2024	16573	16394	40	Marcellus
40	09/29/2024	16376	16197	40	Marcellus
41	09/29/2024	16178	15999	40	Marcellus
42	09/29/2024	15981	15802	40	Marcellus

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43	09/30/2024	15783	15604	40	Marcellus
44	09/30/2024	15586	15407	40	Marcellus
45	09/30/2024	15388	15209	40	Marcellus
46	10/01/2024	15191	15012	40	Marcellus
47	10/01/2024	14993	14814	40	Marcellus
48	10/01/2024	14796	14617	40	Marcellus
49	10/02/2024	14598	14419	40	Marcellus
50	10/02/2024	14401	14222	40	Marcellus
51	10/03/2024	14203	14024	40	Marcellus
52	10/03/2024	14006	13827	40	Marcellus
53	10/04/2024	13808	13629	40	Marcellus
54	10/04/2024	13611	13432	40	Marcellus
55	10/04/2024	13413	13234	40	Marcellus
56	10/05/2024	13216	13037	40	Marcellus
57	10/05/2024	13018	12839	40	Marcellus
58	10/05/2024	12821	12642	40	Marcellus
59	10/06/2024	12623	12444	40	Marcellus
60	10/06/2024	12426	12247	40	Marcellus
61	10/06/2024	12228	12049	40	Marcellus
62	10/07/2024	12031	11852	40	Marcellus
63	10/07/2024	11833	11654	40	Marcellus
64	10/08/2024	11636	11457	40	Marcellus
65	10/08/2024	11438	11259	40	Marcellus
66	10/08/2024	11241	11062	40	Marcellus
67	10/09/2024	11043	10864	40	Marcellus
68	10/09/2024	10846	10667	40	Marcellus
69	10/09/2024	10648	10469	40	Marcellus
70	10/09/2024	10451	10272	40	Marcellus
71	10/10/2024	10253	10074	40	Marcellus
72	10/10/2024	10056	9877	40	Marcellus
73	10/10/2024	9858	9679	40	Marcellus
74	10/11/2024	9661	9482	40	Marcellus
75	10/11/2024	9463	9284	40	Marcellus
76	10/11/2024	9266	9087	40	Marcellus
77	10/12/2024	9068	8929	32	Marcellus

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Stimulation Data

09/19/2025

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	09/13/2024	60	8927	4120	4431	176000	4157	
2	09/13/2024	100	8999	7312	4787	440271	10240	
3	09/14/2024	96	8775	7409	5345	440117	10020	
4	09/14/2024	100	8973	7005	5627	440281	10196	
5	09/15/2024	94	8883	6935	5130	440262	10256	
6	09/15/2024	99	9216	6466	5401	441896	10262	
7	09/15/2024	98	9116	6670	5184	439993	10205	
8	09/16/2024	95	9215	6223	5142	440685	10223	
9	09/16/2024	98	9156	6594	5302	440184	10161	
10	09/16/2024	97	9082	6388	5071	439462	10278	
11	09/17/2024	100	8988	5921	5309	440365	9961	
12	09/17/2024	98	9031	5992	5410	440231	10186	
13	09/18/2024	98	9066	5432	5779	440205	9822	
14	09/18/2024	99	9193	6592	5083	440073	10145	
15	09/18/2024	99	9030	6634	4925	440487	10129	
16	09/19/2024	100	9034	5879	5399	440392	10197	
17	09/19/2024	100	8960	6412	5098	440187	10205	
18	09/20/2024	100	9053	5584	6133	440406	10169	
19	09/20/2024	100	9016	5978	5338	440148	10176	
20	09/21/2024	100	8990	5760	5869	440407	10296	
21	09/21/2024	100	8939	5849	5514	439968	10125	
22	09/21/2024	100	8722	6127	5355	440197	10153	
23	09/22/2024	100	8895	5692	5388	440144	10185	
24	09/22/2024	100	8996	5986	5369	440321	10436	
25	09/23/2024	100	8877	6111	4998	440050	10178	
26	09/23/2024	100	8880	6435	5700	441358	9934	
27	09/24/2024	87	8887	5913	4902	439955	11336	
28	09/24/2024	100	8967	6222	5617	440091	10113	
29	09/25/2024	100	9071	6313	5813	440727	10158	
30	09/25/2024	97	8629	6278	5231	440011	9960	
31	09/26/2024	100	8865	6173	5477	441157	10135	
32	09/26/2024	99	8916	6366	5860	440130	9825	
33	09/27/2024	100	8977	6569	5465	440695	10006	
34	09/27/2024	99	8899	6410	5753	440583	9962	
35	09/27/2024	101	8975	6432	5377	441261	9930	
36	09/28/2024	100	8931	6261	6248	440070	9949	
37	09/28/2024	98	8727	9374	5569	442360	9922	
38	09/28/2024	100	8891	6423	5623	440633	9810	
39	09/29/2024	100	8932	6187	6301	440098	9968	
40	09/29/2024	100	8890	6465	5907	440471	9889	
41	09/29/2024	101	8807	6457	6011	440170	9860	

09/19/2025

42	09/30/2024	100	8863	6048	5299	440619	9756
43	09/30/2024	100	8711	6487	5608	440361	9884
44	10/01/2024	100	8816	6371	5641	440483	9898
45	10/01/2024	100	8749	6502	5868	441437	9897
46	10/01/2024	94	8320	6682	5238	440495	9834
47	10/02/2024	100	8755	7009	6675	440467	9830
48	10/02/2024	98	8594	9127	6106	441799	9841
49	10/02/2024	95	8241	6266	5831	440027	9821
50	10/03/2024	95	8152	6660	6113	439972	9843
51	10/03/2024	100	8318	6098	6082	440056	9842
52	10/04/2024	100	8498	6201	6466	440133	9808
53	10/04/2024	100	8247	6544	5841	441183	9772
54	10/05/2024	101	8456	5836	5281	440144	9767
55	10/05/2024	101	8321	6190	5078	440043	9764
56	10/05/2024	100	8106	6301	5986	440006	9737
57	10/06/2024	100	8172	6012	5414	440099	9750
58	10/06/2024	100	7983	8690	5816	440149	9772
59	10/06/2024	100	8152	9161	4794	440000	9745
60	10/07/2024	101	8121	6134	5128	440167	9744
61	10/07/2024	100	8067	9235	6140	440099	9577
62	10/07/2024	100	8192	9130	5479	441290	9702
63	10/08/2024	101	8244	6212	5559	440273	9705
64	10/08/2024	100	8132	9111	5919	440038	9716
65	10/09/2024	100	8311	8943	5608	440185	9691
66	10/09/2024	100	8158	4810	5749	439995	9657
67	10/09/2024	100	7993	6209	5458	440170	9661
68	10/09/2024	100	8074	6263	5872	380000	9659
69	10/10/2024	100	8102	8880	6164	440201	9673
70	10/10/2024	100	8046	6259	5587	440191	9665
71	10/10/2024	100	7666	5342	5973	440504	9644
72	10/11/2024	100	8115	6265	5847	440004	9678
73	10/11/2024	100	7732	5872	5962	440078	9638
74	10/11/2024	100	7483	5051	5719	440153	9594
75	10/11/2024	100	7898	6114	5842	443164	9643
76	10/12/2024	100	7916	9075	5868	440956	9624
77	10/12/2024	99	8257	6458	4857	352296	7715

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09/19/2025

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	09/12/2024
Job End Date:	10/12/2024
State:	West Virginia
County:	Marion
API Number:	47-049-02517-00-00
Operator Name:	EQT Production
Well Name and Number:	Radcliff 6H
Latitude:	39.587738
Longitude:	-80.438008
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7956
Total Base Water Volume (gal)*:	31821930
Total Base Non Water Volume:	0



Water Source	Percent
--------------	---------

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	88.65073	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	11.18332	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	40.00000	0.01749	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	40.00000	0.01749	None
Clearal 268	ChemStream	Biocide					
			Water	7732-18-5	80.00000	0.00900	None

09/19/2025

StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Water	7732-18-5	15.00000	0.00246	None
Enviro-Syn HCR-7000- WL	Fluid USA, Inc.	Synthenic Acid					
			FLUID-Acid-00001	Proprietary	20.00000	0.00133	None
Clearal 268	ChemStream	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00056	None
Enviro-Syn HCR-7000- WL	Fluid USA, Inc.	Synthenic Acid					
			FLUID-Amine-00001	Proprietary	10.00000	0.00033	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ETHOXYLATED ALCOHOLS (C12-16)	68551-12-2	5.00000	0.00027	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			AA/ATBS Co-polymer	9003-05-8	5.00000	0.00002	None
Clearal 268	ChemStream	Biocide					
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Ethanol	64-17-5	1.50000	0.00000	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			AA/Maleic Anhydride Co- polymer	9003-04-7	1.00000	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 various types of water including fresh water, produced water, and 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.

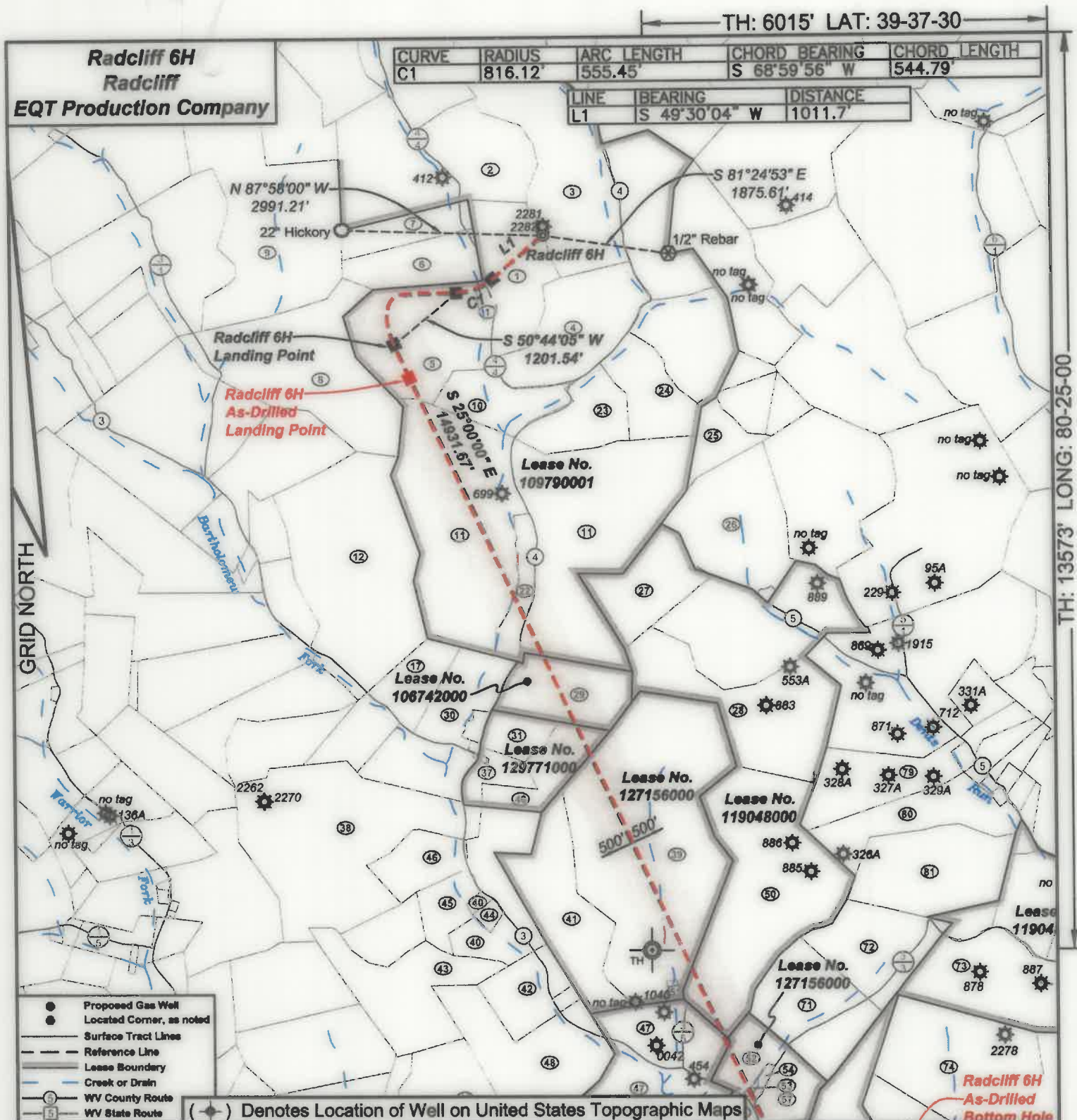
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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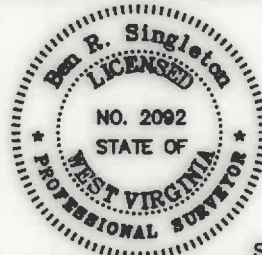
WV Department of
Environmental Protection

09/19/2025



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

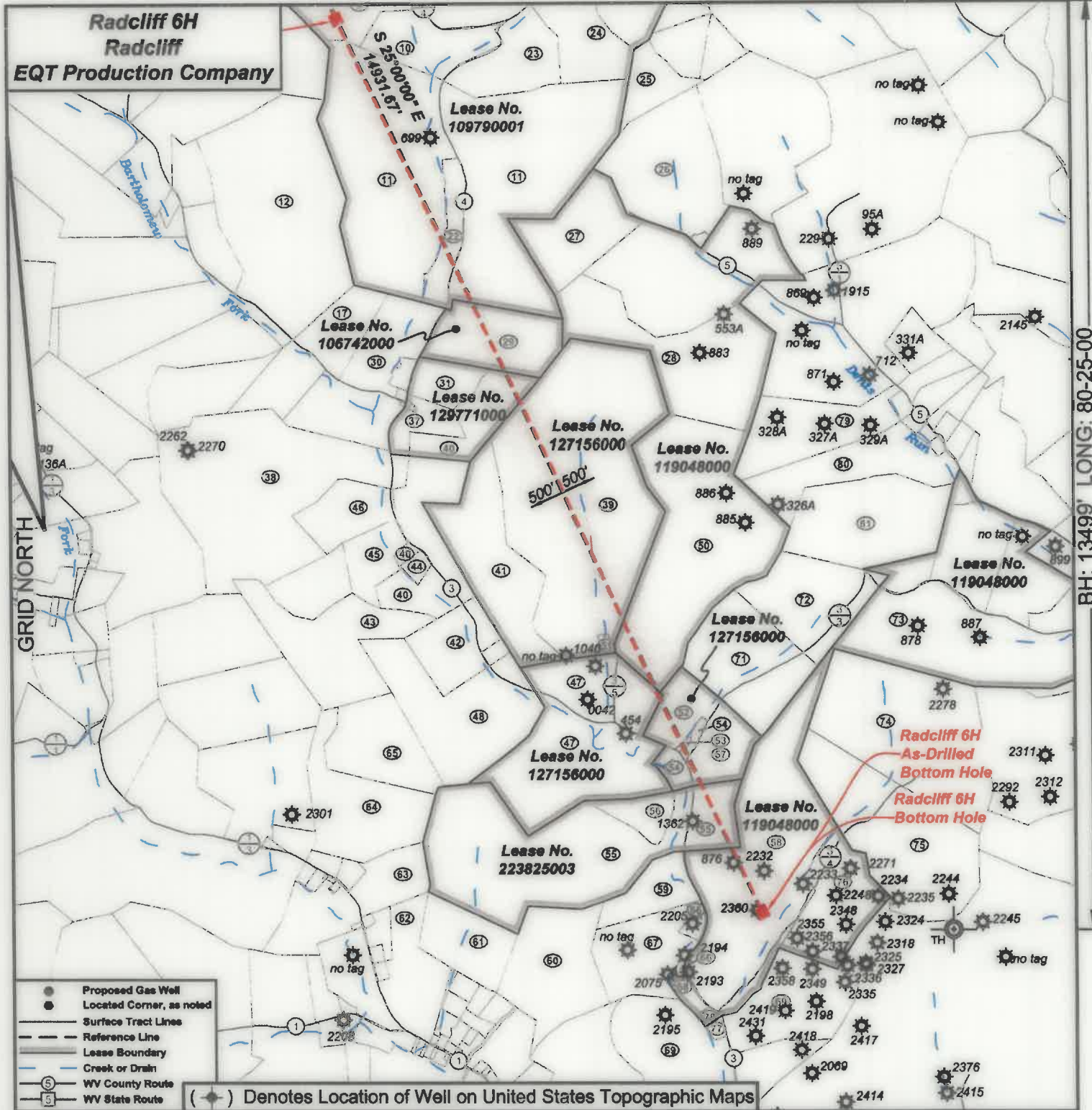
FILE NO: 113-21
DRAWING NO: Radcliff 6H
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: April 1 20 24
OPERATOR'S WELL NO.: Radcliff 6H
API WELL NO
47 - 049 - 02517
STATE COUNTY PERMIT

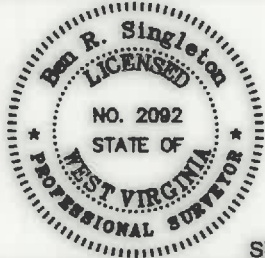
WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: 1493' WATERSHED Bartholomew Fork QUADRANGLE: Glover Gap
DISTRICT: Mannington COUNTY: Marion
SURFACE OWNER: Jackie D. & Sheila L. Radcliff ACREAGE: 46.68
ROYALTY OWNER: Rebecca R. Shuttlesworth, et al. LEASE NO: 109790001 ACREAGE: 1090
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: 7916'
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

BH: 1783' LAT: 39-35-00



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Ben R. Singleton
P.S. 2092



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

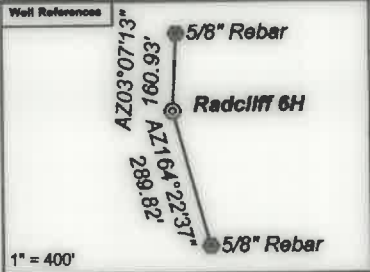
DATE: April 1 20 24
OPERATOR'S WELL NO.: Radcliff 6H
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47 - 049 - 02517
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ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

Radcliff 6H
Radcliff
EQT Production Company

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	40	10.1	Marion	Mannington	Jackie D. & Sheila L. Radcliff	48.08
2	40	10	Marion	Mannington	Shelly L. Nelson	43.08
3	40	3	Marion	Mannington	Jason G. & Heather R. Stout	99.75
4	40	2	Marion	Mannington	Lula B. Knight	56.32
5	40	11	Marion	Mannington	Clarence W. Sweeney	61
6	40	12	Marion	Mannington	Jackie D. & Sheila L. Radcliff	27.35
7	40	13	Marion	Mannington	Shelly L. Nelson	19.75
8	40	18	Marion	Mannington	Nimrod Cole	92.12
9	40	17	Marion	Mannington	Steven B. Newbrough	108.7
10	40	23	Marion	Mannington	Sara M. Pascoe, et al.	26.41
11	39	4	Marion	Mannington	Coastal Forest Resources Company	245.722
12	40	22	Marion	Mannington	James & Natalie Kerns	113.25
17	44	14	Marion	Mannington	Charles D. & June Shaver	22.7
22	39	4.1	Marion	Mannington	Thomas R. & Joann McSorley	14.9
23	40	2.2	Marion	Mannington	James W. Boone	29.52
24	40	2.1	Marion	Mannington	Jason G. & Heather R. Stout	29.58
25	39	3	Marion	Mannington	Thomas G. & Theresa A. Jones	10.25
26	39	5	Marion	Mannington	Thomas G. & Theresa A. Jones	61.85
27	38	21.3	Marion	Mannington	David Marfield	37.292
28	38	21	Marion	Mannington	Dennis G. & Louise M. Heyes	74.885
29	38	1	Marion	Mannington	Casey B. & Jennifer J. Allender	37.25
30	44	11	Marion	Mannington	Charles D. & June Shaver	57.75
31	38	2	Marion	Mannington	Justin & Kendra Davis	13.05
37	38	6	Marion	Mannington	Thomas R. & Margaret M. Williams	11.19
38	44	10	Marion	Mannington	Charles D. & June Shaver	128.75
39	38	10	Marion	Mannington	Thomas E. & Andrea G. Ryan	176.15
40	38	8	Marion	Mannington	John D. & Raji K. Carson	64.56
41	38	9	Marion	Mannington	Thomas E. & Andrea G. Ryan	62
42	44	5	Marion	Mannington	Thomas E. & Andrea G. Ryan	24.51
43	44	6	Marion	Mannington	John D. & Raji K. Carson	55
44	38	8.1	Marion	Mannington	John D. & Raji K. Carson	2.89
45	44	8	Marion	Mannington	Charles D. & June Shaver	16.5
46	44	9	Marion	Mannington	Charles D. & June Shaver	19
47	44	1	Marion	Mannington	Edna Marie Cain	107.5
48	44	4	Marion	Mannington	Richard L. Cain	54.33
50	38	11	Marion	Mannington	Yulia Nikolaeva	115
51	38	10.1	Marion	Mannington	Michael E. & Laura A. Gorbey	1.15
52	38	13.3	Marion	Mannington	Christine L. Fragale, et al.	15.87
53	38	13	Marion	Mannington	Cindy Slater, et al.	0.54
54	38	13.2	Marion	Mannington	Christine L. Fragale, et al.	7
55	37	21	Marion	Mannington	Justin R. Cain	129.85
56	37	21.1	Marion	Mannington	Julie A. Titley & Justin R. Cain	11.171
57	38	13.1	Marion	Mannington	Christine L. Fragale, et al.	16.56
58	37	22	Marion	Mannington	Jeffrey H. Michael	166.93
59	37	20	Marion	Mannington	Justin R. Cain	18
60	37	3	Marion	Mannington	Kevin D. & Heather L. Glasscock	49.25
61	44	31	Marion	Mannington	Richard C. Corwin	28
62	44	27	Marion	Mannington	Daniel Berisko	29.226
63	44	26	Marion	Mannington	Charles P. & Kathy R. Glover	41.05
64	44	24.1	Marion	Mannington	BD of TIS Most Worshipful GRD LDG of AF & AM WV Inc	43.56
65	44	24	Marion	Mannington	Stratland Ltd	36.17
66	37	19	Marion	Mannington	Gary E. Snodgrass	3.61
67	37	18	Marion	Mannington	Tommy L. & Terri A. Snodgrass	31.65
68	37	22.1	Marion	Mannington	Ronald C. & Betty L. Michael, et al.	5.17
69	37	17	Marion	Mannington	Jeffrey H. Michael	86.04
71	38	14	Marion	Mannington	Nancy M. Riggs	52
72	38	14.1	Marion	Mannington	John A. Mayhew, Jr.	48
73	37	34	Marion	Mannington	James D. Atkinson	112.5
74	37	13	Marion	Mannington	Christine L. Fragale, et al.	95
75	37	24	Marion	Mannington	Jeffrey H. Michael	79
76	37	25	Marion	Mannington	Jeffrey H. Michael	33.75
77	37	17.1	Marion	Mannington	Ronald C. & Betty L. Michael	1.46
78	37	22.2	Marion	Mannington	Ronald C. & Betty L. Michael	1.5
79	38	19	Marion	Mannington	Dorothy D. Hendershot	38.246
80	38	19.4	Marion	Mannington	William E. Hendershot	39.702
81	38	15	Marion	Mannington	Michael & Julia A. Blittie	58.67

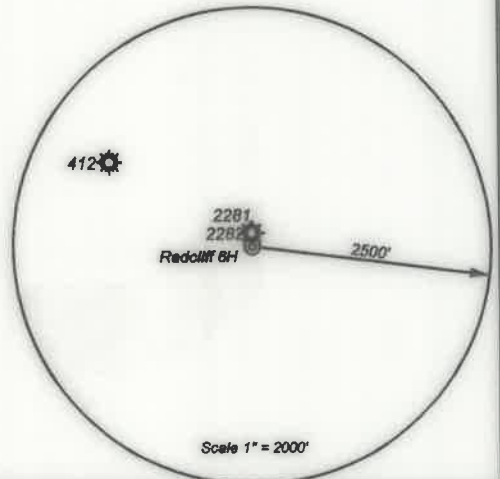


As Drilled Well Information:
Radcliff 6H coordinates are
NAD 83 N: 397,585.38 E: 1,704,151.85
NAD 83 UTM N: 4,382,152.85 E: 548,258.84
Radcliff 6H Landing Point coordinates are
NAD 83 N: 395,452.82 E: 1,702,144.59
NAD 83 UTM N: 4,381,498.86 E: 547,658.11
Radcliff 6H Bottom Hole coordinates are
NAD 83 N: 382,421.43 E: 1,708,233.56
NAD 83 UTM N: 4,377,559.80 E: 549,579.45
West Virginia Coordinate system of 1983 (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.

Radcliff

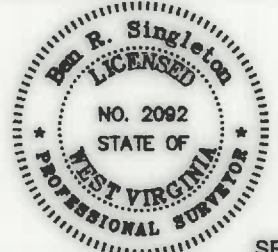
- Radcliff 18H ●
- Radcliff 16H ●
- Radcliff 14H ●
- Radcliff 12H ●
- Radcliff 10H ●
- Radcliff 8H ●
- Radcliff 6H ●
- Radcliff 4H ●

Lease No.	Owner	Acres
109790001	Rebecca R. Shuttlesworth, et al.	1090
106742000	The Sheila Lightfoot Revocable Trust, et al.	37.25
129771000	Joanne Edgell, et al.	50.75
127158000	EQT Production Company, et al.	240
119048000	Lee and Hall Royalties, et al.	809
127158000	EQT Production Company, et al.	102.75
127158000	EQT Production Company, et al.	41
223825003	Bradley W. Thomas, et al.	141



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SEAL

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1:2500
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OIL AND GAS DIVISION

DATE: April 1 20 24
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API WELL NO
47 - 049 - 02517
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: 1493' WATERSHED Bartholomew Fork QUADRANGLE: Glover Gap
DISTRICT: Mannington COUNTY: Marion
SURFACE OWNER: Jackie D. & Sheila L. Radcliff ACREAGE: 48.08
ROYALTY OWNER: Rebecca R. Shuttlesworth, et al. LEASE NO: 109790001 ACREAGE: 1090
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: 7916'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
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