

Well Operator's Report of Well Work



Well Number: Vanderbilt 6H (L003770)

API: 47 - 049 - 02536

Submission: ☒ Initial ☐ Amended

Notes:

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

API 47 - 049 - 02536 County Marion District Mannington
Quad Glover Gap Pad Name VANDERBILT Field/Pool Name N/A
Farm name EQT Production Company Well Number Vanderbilt 6H (L003770)
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 4,377,621.04 Easting 545,119.36
Landing Point of Curve Northing 4,377,723.04 Easting 544,756.83
Bottom Hole Northing 4,374,222.54 Easting 546,449.84

Elevation (ft) 1358' 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: 12.63 ppg barium sulfate, sodium chloride, xanthan gum, polyvinyl alcohol, 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 04/08/2024 Date drilling commenced 06/24/2024 Date drilling ceased 01/17/2025
Date completion activities began 02/17/2025 Date completion activities ceased 05/20/2025
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 243', 494' Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1180' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) Y

Reviewed by:

JP

8-25-2025

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CASING STRINGS	Hole Size	Casing Size	Depth (GL.)	New or Used	Grade wt/ft	Basket Depth(s) (GL.)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	26"	40'	NEW	A-500 85.6#	N/A	Y
Surface	17-1/2"	13-3/8"	1234'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2685'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	6"	21,182'	NEW	P-110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details

Production cmt has calculated TOC of 1094'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 A	1129	16	1.09	1231	0	8
Coal							
Intermediate 1	CLASS L	983	15.6	1.13	1111	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3465	15.0	1.19	4123	1094'	8+
Tubing							

Drillers TD (ft) 21,201' Loggers TD (ft) N/A
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 2769'

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 8772', EVERY JOINT TO 7166', EVERY OTHER JOINT TO 1928'

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED

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PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

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PRODUCING FORMATION(S)

DEPTHS

	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☒ Drawdown ☒ Open Flow

OIL TEST ☐ Flow ☐ Pump

SHUT-IN PRESSURE Surface 3262 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 22516 mcfpd Oil _____ bpd NGL 0 bpd Water 791 bpd GAS MEASURED BY ☐ 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 ₂ S, ETC)
	0		0		

Please insert additional pages as applicable.

Drilling Contractor Patterson UTI (294)

Address 207 Carlton Drive 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 Nextier Completion Solutions, Inc

Address 3990 Rogerdale Road City Houston State TX Zip 77042

Please insert additional pages as applicable.

Completed by Jacob Caplan

Telephone +14122152723

Signature [Signature] Title Completions Engineering Mgr Date 2025-07-31

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

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Drilling Contractor Falcon (Rig 11)

Address 1120 US-119 City Indiana State PA Zip 15701

Logging Company GyroData

Address 73 Noblestown Road City Carnegie State PA Zip 15106

Logging Company Scientific Drilling International, Inc

Address 3475 Washington Ave City Finleyville State PA Zip 15332

Cementing Company _____

Address _____ City _____ State _____ Zip _____

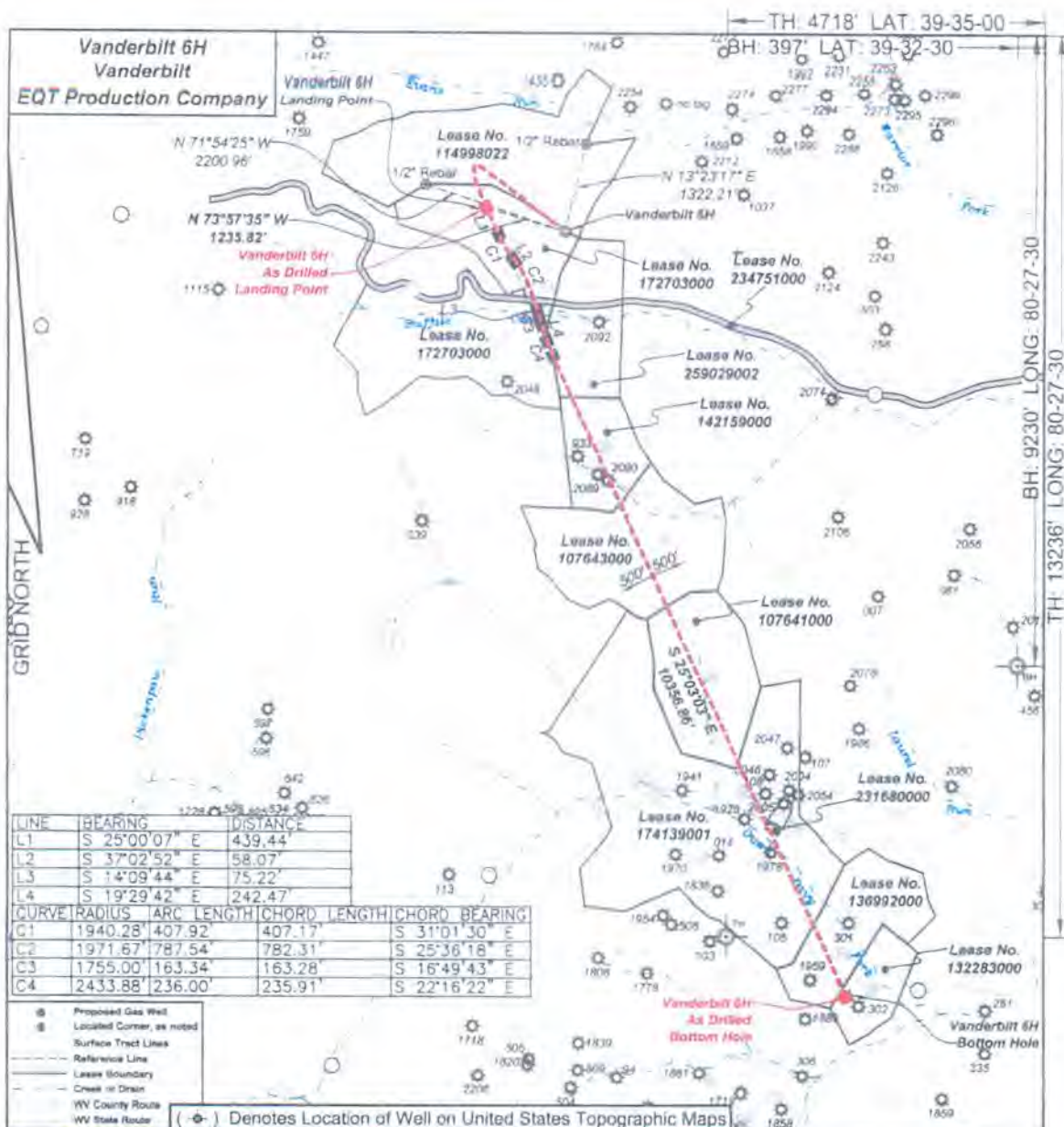
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Well # VANDERBILT 6H Final Formations API# 47-049-02536				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	1,180	1,180
Pittsburgh Coal	1,180	1,180	1,189	1,189
Sand/Shale	1,189	1,189	2,386	2,386
Big Lime	2,386	2,386	2,458	2,458
Big Injun	2,458	2,458	2,562	2,562
Sand/Shale	2,562	2,562	3,050	3,049
Gantz	3,050	3,049	3,157	3,155
50F	3,157	3,155	3,315	3,311
Sand/Shale	3,315	3,311	3,357	3,352
Fifth Sand	3,357	3,352	3,391	3,385
Sand/Shale	3,391	3,385	3,435	3,428
Bayard	3,435	3,428	4,674	4,575
Sand/Shale	4,674	4,575	5,856	5,650
Alexander	5,856	5,650	6,095	5,869
Sand/Shale	6,095	5,869	6,255	6,015
Elks	6,255	6,015	7,552	7,205
Sonyea	7,552	7,205	7,728	7,368
Middlesex	7,728	7,368	7,797	7,427
Genesee	7,797	7,427	7,930	7,526
Geneseo	7,930	7,526	7,977	7,555
Tully	7,977	7,555	8,029	7,585
Hamilton	8,029	7,585	8,245	7,680
Marcellus	8,245	7,680	21,201	7,762

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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.

P.S. 2092



SEAL

FILE NO: 93-21

DRAWING NO: Vanderbilt 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: January 23, 2025

OPERATOR'S WELL NO: Vanderbilt 6H

API WELL NO: 47-049-02536

STATE: COUNTY: PERMIT/V

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL

(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: Existing 1358.0' Proposed 1368.0' WATERSHED: Evans Run & Buffalo Creek QUADRANGLE: Glover Gap

DISTRICT: Mannington COUNTY: Marion

SURFACE OWNER: Larry Higgins & Eva Higgins

ACREAGE: 60

ROYALTY OWNER: EQT Production Company, et al

LEASE NO: 172703000

ACREAGE: 60

PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION

☐ PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,735'

WELL OPERATOR: EQT Production Company

DESIGNATED AGENT: Joseph C. Mallow

ADDRESS: 400 Woodcliff Drive
Canonsburg, PA 15317

ADDRESS: 115 Professional Place PO Box 280
Bridgeport, WV 26330

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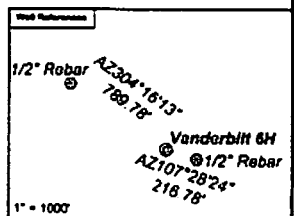
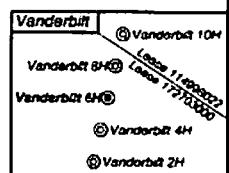
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Vanderbilt 6H **Vanderbilt** **EQT Production Company**

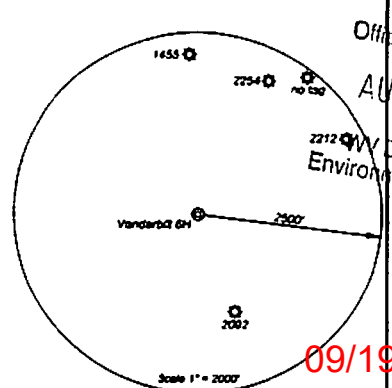
Well ID	Top Map	Bottom Map	County	Owner
1	45	11	Marion	Marion
2	45	12	Marion	Marion
3	45	5	Marion	Marion
4	45	2	Marion	Marion
5	45	4	Marion	Marion
6	45	12	Marion	Marion
7	45	13	Marion	Marion
8	45	14.2	Marion	Marion
9	45	14	Marion	Marion
10	45	14.4	Marion	Marion
11	45	16	Marion	Marion
12	45	26	Marion	Marion
13	45	25.1	Marion	Marion
14	45	24	Marion	Marion
15	45	23	Marion	Marion
16	45	20	Marion	Marion
17	45	2	Marion	Marion
18	45	5.2	Marion	Marion
19	45	4.1	Marion	Marion
20	45	6	Marion	Marion
21	45	11	Marion	Marion
22	45	12	Marion	Marion
23	45	2	Marion	Marion
24	45	13	Marion	Marion
25	45	14	Marion	Marion
26	45	16	Marion	Marion
27	45	17	Marion	Marion
28	45	9	Marion	Marion
29	45	1	Marion	Marion
30	45	1.2	Marion	Marion
31	45	11	Marion	Marion
32	45	6	Marion	Marion
33	45	7	Marion	Marion
34	45	2	Marion	Marion
35	45	1	Marion	Marion
36	45	4	Marion	Marion
37	45	5	Marion	Marion
38	45	1	Marion	Marion
39	45	2	Marion	Marion
40	45	3	Marion	Marion
41	45	4	Marion	Marion
42	45	5	Marion	Marion
43	45	2.3	Marion	Marion
44	45	7.2	Marion	Marion
45	45	2.4	Marion	Marion
46	45	10	Marion	Marion

Surface Well Owner	Acres
Larry D. & Thelma B. Higgins	16
EQT Production Company	125.71
Harry R. & Suzanne M. Murra	52
Agri M. Powell	2.49
Arnold L. Powell, Jr.	50.82
Agri M. Powell	37.5
Thelma L. Owen	11
Thelma L. Owen	1.6
Randall F. Powell	4.56
Thomas A. & Karen J. Hiestand	3
Nath A. Howell	27.29
John M. Proffitt, Jr.	14.6
Richard K. & Dawn K. Jones	5.71
Barbara E. Henderson, et al	38.4
Thomas L. Jennings	125.5
EQT Production Company	70.5
Allen L. & Donna J. McHenry	102.59
Marion County Coal Resources Inc.	74
Patricia A. Cothran	40
Patricia A. Cothran	100
Shel Martin	59.56
Shel Martin	10
Marion County Commission	644.34
Shel Martin	8.5
Shel Martin	8.5
Shel Martin	10.5
Shel Martin	7.5
Abney D. White II	13.25
Abney D. White II	30.87
Carol L. White	1.7
Dwight L. & Doretha D. Ransom	73.53
The West Virginia Land Trust Inc.	62
The West Virginia Land Trust Inc.	48
Debra A. Ransom	30
Marion County Coal Resources Inc.	38
Mike Ross Inc.	67.47
Ruby L. Herndon	162.04
David L. & Marie A. Jones	26.5
EQT Production Company	40
Mark A. Barton	27.5
Mark A. Barton	57
Marion County Coal Resources Inc.	46.83
Megan M. Peck	0.75
Marion County Commission	1.19
Marion County Commission	0.81
Lisa A. & Barton R. Powell	68

As-Drilled Well Information
Vanderbilt 6H coordinates are:
NAD 27 N 352,829.72 E 1,725,040.51
NAD 83 UTM N 4,377,821.04 E 545,119.38
Vanderbilt 6H Landing Point coordinates are:
NAD 27 N 353,184.26 E 1,723,856.49
NAD 83 UTM N 4,377,723.04 E 544,756.83
Vanderbilt 6H Bottom Hole coordinates are:
NAD 27 N 371,605.10 E 1,729,220.74
NAD 83 UTM N 4,374,222.54 E 546,449.84
West Virginia Coordinate system of 1927 (North Zone) based upon Differential GPS Measurements
Plot 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
172703000	EQT Production Company, et al	60
114928022	Bourne Minerals, LLC, et al	125.73
172703000	EQT Production Company, et al	1.33
234751000	West Virginia Department of Transportation, Division of Highways	48.86
172703000	EQT Production Company, et al	126
259029002	Country Roads Minerals, LLC, et al	52
142159000	Debra L. Sparks, et al	41.833496
107843000	Dennis L. Chappell, et al	100
107841000	Bradley W. Thomas, et al	74
174135001	Country Roads Minerals, LLC, et al	203
136982000	Mike Ross, Inc., et al	81
132283000	XTO Energy, Inc.	25



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Perforation Data

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Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	04/05/2025	21096	20917	40	Marcellus
3	04/06/2025	20898	20720	40	Marcellus
4	04/06/2025	20701	20522	40	Marcellus
5	04/06/2025	20504	20325	40	Marcellus
6	04/07/2025	20306	20127	40	Marcellus
7	04/07/2025	20109	19930	40	Marcellus
8	04/07/2025	19911	19732	40	Marcellus
9	04/07/2025	19714	19535	40	Marcellus
10	04/08/2025	19516	19337	40	Marcellus
11	04/09/2025	19319	19140	40	Marcellus
12	04/09/2025	19121	18942	40	Marcellus
13	04/09/2025	18924	18745	40	Marcellus
14	04/10/2025	18726	18547	40	Marcellus
15	04/10/2025	18528	18350	40	Marcellus
16	04/11/2025	18331	18152	40	Marcellus
17	04/11/2025	18134	17955	40	Marcellus
18	04/12/2025	17936	17757	40	Marcellus
19	04/12/2025	17739	17560	40	Marcellus
20	04/13/2025	17541	17362	40	Marcellus
21	04/13/2025	17344	17165	40	Marcellus
22	04/13/2025	17146	16967	40	Marcellus
23	04/14/2025	16949	16770	40	Marcellus
24	04/15/2025	16751	16572	40	Marcellus
25	04/15/2025	16554	16375	40	Marcellus
26	04/15/2025	16356	16177	40	Marcellus
27	04/16/2025	16159	15980	40	Marcellus
28	04/16/2025	15961	15782	40	Marcellus
29	04/16/2025	15764	15585	40	Marcellus
30	04/17/2025	15566	15387	40	Marcellus
31	04/17/2025	15369	15190	40	Marcellus
32	04/18/2025	15171	14992	40	Marcellus
33	04/18/2025	14974	14795	40	Marcellus
34	04/19/2025	14776	14597	40	Marcellus
35	04/19/2025	14579	14400	40	Marcellus
36	04/20/2025	14381	14202	40	Marcellus
37	04/20/2025	14184	14005	40	Marcellus
38	04/21/2025	13986	13807	40	Marcellus
39	04/21/2025	13789	13610	40	Marcellus
40	04/22/2025	13591	13412	40	Marcellus
41	04/22/2025	13394	13215	40	Marcellus
42	04/23/2025	13196	13017	40	Marcellus
43	04/23/2025	12999	12820	40	Marcellus

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44	04/23/2025	12801	12622	40	Marcellus
45	04/24/2025	12604	12425	40	Marcellus
46	04/24/2025	12406	12227	40	Marcellus
47	04/25/2025	12209	12030	40	Marcellus
48	04/25/2025	12011	11832	40	Marcellus
49	04/26/2025	11814	11635	40	Marcellus
50	04/26/2025	11616	11437	40	Marcellus
51	04/26/2025	11419	11240	40	Marcellus
52	04/27/2025	11221	11042	40	Marcellus
53	04/27/2025	11024	10845	40	Marcellus
54	04/28/2025	10826	10647	40	Marcellus
55	04/28/2025	10629	10450	40	Marcellus
56	04/29/2025	10431	10252	40	Marcellus
57	04/29/2025	10234	10055	40	Marcellus
58	04/29/2025	10036	9857	40	Marcellus
59	05/01/2025	9839	9660	40	Marcellus
60	05/01/2025	9641	9462	40	Marcellus
61	05/01/2025	9444	9265	40	Marcellus
62	05/02/2025	9246	9067	40	Marcellus
63	05/03/2025	9049	8870	40	Marcellus
64	05/03/2025	8851	8672	40	Marcellus
65	05/04/2025	8654	8475	40	Marcellus
66	05/05/2025	8456	8277	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	04/05/2025	95	8617	8492	4485	176155	4163.000	
2	04/05/2025	100	8931	7358	4898	439918	10322.000	
3	04/06/2025	98	9101	8997	4718	439912	10054.000	
4	04/06/2025	98	9042	8710	4995	440025	10082.001	
5	04/07/2025	98	9061	8635	4784	440424	10075.000	
6	04/07/2025	98	9044	8070	5239	439945	10017.000	
7	04/07/2025	98	9078	8052	5089	439897	10026.000	
8	04/07/2025	99	9035	8338	5108	439812	10067.000	
9	04/08/2025	99	9010	8519	5183	440132	10062.000	
10	04/09/2025	97	9165	8518	5646	439874	10059.000	
11	04/09/2025	98	9106	8123	4573	439912	10028.000	
12	04/09/2025	99	9218	8523	5245	439770	10023.000	
13	04/10/2025	98	9286	8552	5088	440188	10027.000	
14	04/10/2025	97	9060	8820	4840	439876	10006.000	
15	04/11/2025	98	9098	8870	4602	440609	10015.000	
16	04/12/2025	98	9109	8530	4987	439845	9991.000	
17	04/12/2025	99	9180	7011	5643	440250	10035.000	
18	04/12/2025	99	9107	8534	4968	439896	9988.000	
19	04/13/2025	99	9042	8279	4721	440015	10024.000	
20	04/13/2025	99	8654	8341	4849	440188	9961.000	
21	04/14/2025	99	9087	8272	5201	440080	9944.000	
22	04/14/2025	99	9076	8828	6139	440301	9976.000	
23	04/15/2025	100	9053	8410	5092	439951	9996.000	
24	04/15/2025	100	8966	8409	8467	440008	9894.000	
25	04/15/2025	100	8918	8618	7101	439876	9911.000	
26	04/16/2025	99	9085	8681	4964	440501	9910.000	
27	04/16/2025	99	9048	8484	4653	440198	9873.000	
28	04/17/2025	100	8764	8407	4771	439876	9888.000	
29	04/17/2025	100	9019	8258	5167	440317	9850.000	
30	04/17/2025	100	8951	8523	5387	440320	9742.000	
31	04/18/2025	97	8954	8434	4895	440137	9837.000	
32	04/18/2025	93	8941	8261	6806	440207	9750.000	
33	04/19/2025	99	9006	8321	4977	440143	9820.000	
34	04/20/2025	100	9002	8311	5707	440184	9846.000	
35	04/20/2025	99	9042	8398	8933	440240	9829.000	
36	04/20/2025	100	8945	8236	5623	440350	9841.000	
37	04/21/2025	100	8964	8350	5475	440296	9676.000	
38	04/21/2025	98	8797	8717	5395	440239	10639.000	
39	04/22/2025	100	8918	8683	4878	440126	9669.000	
40	04/22/2025	100	8752	8654	6380	440027	9816.000	
41	04/23/2025	100	8946	8394	5093	440255	9783.000	
42	04/23/2025	100	8626	8160	5211	440188	9627.000	


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43	04/23/2025	100	8918	6431	5339	439984	9787.000
44	04/24/2025	100	8866	6077	6263	440139	9727.000
45	04/25/2025	100	8837	6413	5601	440013	9774.000
46	04/25/2025	100	8976	6159	4611	440113	9746.000
47	04/25/2025	100	8880	6545	6705	439973	9728.000
48	04/26/2025	100	8709	6058	5627	440100	9758.000
49	04/26/2025	100	8640	6925	4785	440194	9727.000
50	04/27/2025	99	8549	6254	6197	440067	9697.000
51	04/27/2025	100	8654	6496	5627	440093	9796.000
52	04/27/2025	100	8626	6596	6609	439958	9707.000
53	04/28/2025	100	8569	6246	5831	439966	9690.000
54	04/28/2025	100	8380	6043	5702	440146	9672.000
55	04/29/2025	100	8880	6685	5597	439936	9679.000
56	04/29/2025	100	8603	5868	5338	440067	9472.000
57	04/29/2025	100	8403	6177	5851	439911	9642.000
58	04/30/2025	100	8593	6412	5373	439852	9621.000
59	05/01/2025	100	8552	6761	4873	439782	9640.000
60	05/02/2025	100	8340	6435	5155	440764	9524.000
61	05/02/2025	100	8459	6406	5357	440248	9640.000
62	05/03/2025	100	8489	6552	5100	440057	9635.000
63	05/04/2025	100	8505	6384	5172	439946	9597.000
64	05/04/2025	100	8417	6063	4726	440190	9594.000
65	05/05/2025	98	8481	6218	5143	440024	9610.999
66	05/06/2025	97	8443	6971	4612	435171	9570.000

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	02/17/2025
Job End Date:	05/06/2025
State:	West Virginia
County:	Marion
API Number:	47-049-02536-00-00
Operator Name:	EQT Production
Well Name and Number:	Vanderbilt 6H
Latitude:	39.547079
Longitude:	-80.474875
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7790
Total Base Water Volume (gal)*:	27059675.9731543
Total Base Non Water Volume:	0



Water Source	Percent
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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	88.35842	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	11.26021	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	40.00000	0.18947	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	40.00000	0.18947	None
Clearal 268	ChemStream, Inc.	Biocide					

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			Water	7732-18-5	80.00000	0.03565	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			Water	7732-18-5	15.00000	0.02664	None
DGS Divert FF ULT	Dynamic Green Solutions, LLC	Diverter					
			Poly lactide resin	9051-89-2	98.00000	0.00737	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			ETHOXYLATED ALCOHOLS (C12-16)	68551-12-2	5.00000	0.00296	None
Clearal 268	ChemStream, Inc.	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00223	None
Enviro-Syn HCR-7000- WL	STAAR Logistics, LLC	Synthetic Acid					
			FLUID-Acid-00001	Proprietary	20.00000	0.00125	None
Enviro-Syn HCR-7000- WL	STAAR Logistics, LLC	Synthetic Acid					
			FLUID-Amine-00001	Proprietary	10.00000	0.00031	None
StimSTREAM SC-398	ChemStream, Inc.	Scale Inhibitor					
			AA/ATBS Co-polymer	9003-05-8	5.00000	0.00009	None
Clearal 268	ChemStream, Inc.	Biocide					
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00005	None
Clearal 268	ChemStream, Inc.	Biocide					
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00005	None
Clearal 268	ChemStream, Inc.	Biocide					
			Ethanol	64-17-5	1.50000	0.00001	None
StimSTREAM SC-398	ChemStream, Inc.	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%

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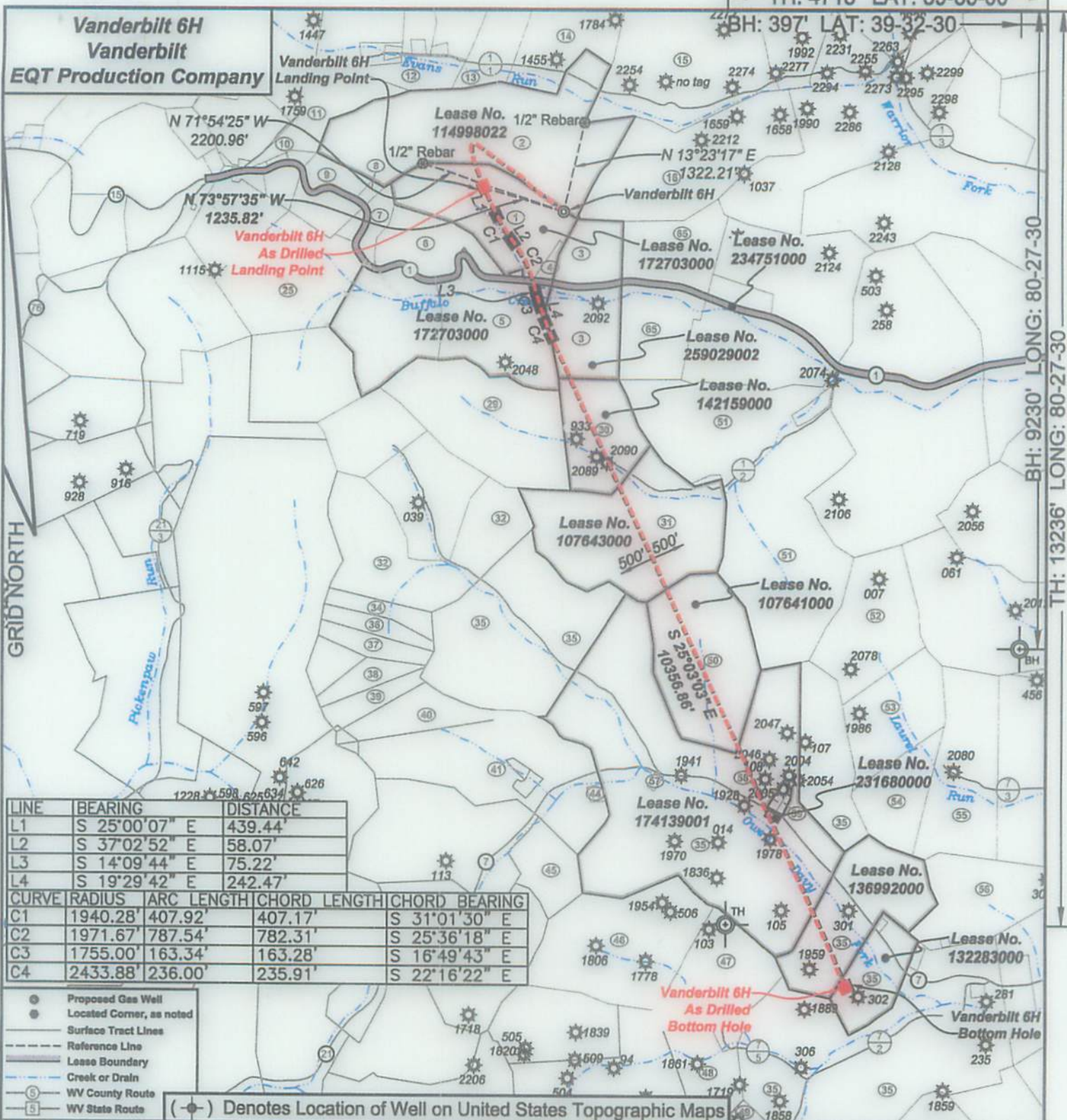
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

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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Vanderbilt 6H
Vanderbilt
EQT Production Company



LINE	BEARING	DISTANCE
L1	S 25°00'07" E	439.44'
L2	S 37°02'52" E	58.07'
L3	S 14°09'44" E	75.22'
L4	S 19°29'42" E	242.47'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	1940.28'	407.92'	407.17'	S 31°01'30" E
C2	1971.67'	787.54'	782.31'	S 25°36'18" E
C3	1755.00'	163.34'	163.28'	S 16°49'43" E
C4	2433.88'	236.00'	235.91'	S 22°16'22" E

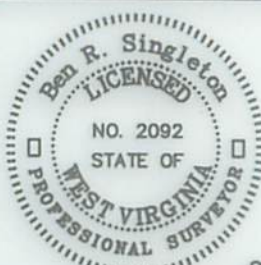
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

(•) 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



SEAL

FILE NO: 93-21
DRAWING NO: Vanderbilt 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

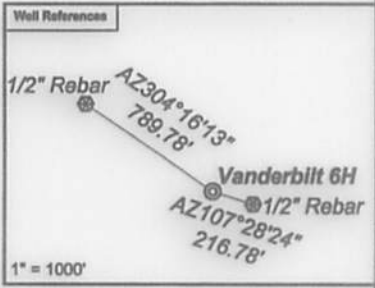
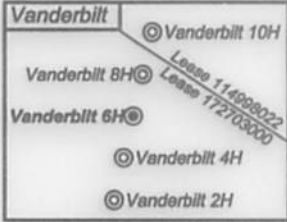
DATE: January 23 20 25
OPERATOR'S WELL NO.: Vanderbilt 6H
API WELL NO
47 - 049 - 02536
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: Existing: 1398.0' Proposed: 1358.8' WATERSHED: Evans Run & Buffalo Creek QUADRANGLE: 09/19/2025
DISTRICT: Mannington COUNTY: Marion
SURFACE OWNER: Larry Higgins & Eva Higgins ACREAGE: 60
ROYALTY OWNER: EQT Production Company, et al. LEASE NO: 172703000 ACREAGE: 60
PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,735'
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

Vanderbilt 6H
Vanderbilt
EQT Production Company

Tract I.D.	TaxMap No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	45	11	Marion	Mannington	Larry D. & Trisha B. Higgins	60
2	45	17	Marion	Mannington	EQT Production Company	125.73
3	45	5	Marion	Mannington	Harry R. & Susanne M. Morris	52
4	45	12.1	Marion	Mannington	April M. Powell	2.49
5	45	4	Marion	Mannington	Ronald L. Powell, Jr.	59.82
6	45	12	Marion	Mannington	April M. Powell	37.5
7	45	13	Marion	Mannington	Thelma L. Coen	11
8	45	14.2	Marion	Mannington	Thelma L. Coen	1.6
9	45	14.1	Marion	Mannington	Patricia F. Powell	8.59
10	45	14.4	Marion	Mannington	Thomas A. & Karen J. Hohenbaugh	3
11	45	16	Marion	Mannington	Keith A. Powell	27.29
12	45	26	Marion	Mannington	John M. Proffitt, Sr.	14.6
13	45	25.1	Marion	Mannington	Richard K. & Dawn K. Jones	5.71
14	45	24	Marion	Mannington	Barbara E. Henderson, et al.	38.5
15	45	23	Marion	Mannington	Thomas L. Shodgrass	105.5
16	45	20	Marion	Mannington	EQT Production Company	78.5
25	45	2	Marion	Mannington	Allen L. & Donna J. Hillberry	102.59
29	46	5.2	Marion	Mannington	Marion County Coal Resources Inc.	74
30	46	6.1	Marion	Mannington	Patricia A. Cotheman	40
31	46	6	Marion	Mannington	Patricia A. Cotheman	100
32	46	11	Marion	Mannington	Brett Martin	59.55
34	46	12	Marion	Mannington	Brett Martin	10
35	46	2	Marion	Mannington	Marion County Commission	644.34
36	46	13	Marion	Mannington	Brett Martin	8.5
37	46	14	Marion	Mannington	Brett Martin	8.5
38	46	16	Marion	Mannington	Brett Martin	10.5
39	46	17	Marion	Mannington	Brett Martin	7.5
40	46	9	Marion	Mannington	Wayne D. Willie II	13.25
41	46	1	Marion	Mannington	Wayne D. Willie II	85.87
44	46	1.2	Marion	Mannington	Caren L. Willie	1.2
45	47	11	Marion	Mannington	David L. & Doretta D. Bonnell	23.53
46	47	6	Marion	Mannington	The West Virginia Land Trust Inc.	62
47	47	7	Marion	Mannington	The West Virginia Land Trust Inc.	48
48	47	2	Marion	Mannington	Debra A. Marozzi	30
49	47	1	Marion	Mannington	Marion County Coal Resources Inc.	98
50	46	4	Marion	Mannington	Mike Ross Inc.	67.47
51	46	5	Marion	Mannington	Ruby L. Herndon	182.04
52	48	1	Marion	Mannington	David L. & Karla A. James	56.5
53	48	2	Marion	Mannington	EQT Production Company	40
54	48	3	Marion	Mannington	Mark A. Barron	27.5
55	48	4	Marion	Mannington	Mark A. Barron	57
56	48	5	Marion	Mannington	Marion County Coal Resources Inc.	46.83
57	46	2.3	Marion	Mannington	Megan M. Peek	0.75
58	46	2.2	Marion	Mannington	Marion County Commission	1.19
59	46	2.4	Marion	Mannington	Marion County Commission	0.81
65	45	10	Marion	Mannington	Lisa A. & Baron R. Powell	68

As-Drilled Well Information:
Vanderbilt 6H coordinates are
NAD 27 N: 382,829.72 E: 1,725,040.51
NAD 83 UTM N: 4,377,621.04 E: 545,119.36
Vanderbilt 6H Landing Point coordinates are
NAD 27 N: 383,184.26 E: 1,723,856.49
NAD 83 UTM N: 4,377,723.04 E: 544,756.83
Vanderbilt 6H Bottom Hole coordinates are
NAD 27 N: 371,605.10 E: 1,729,220.74
NAD 83 UTM N: 4,374,222.54 E: 546,449.84
West Virginia Coordinate system of 1927 (North Zone)
based upon Differential GPS Measurements.
Pist 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
172703000	EQT Production Company, et al.	60
114998022	Bounty Minerals, LLC, et al.	125.73
172703000	EQT Production Company, et al.	1.33
234751000	West Virginia Department of Transportation, Division of Highways	46.86
172703000	EQT Production Company, et al.	126
259029002	Country Roads Minerals, LLC, et al.	52
142159000	Debra L. Sparks, et al.	41.833485
107643000	Denise L. Chappell, et al.	100
107641000	Bradley W. Thomas, et al.	74
174139001	Country Roads Minerals, LLC, et al.	203
136992000	Mike Ross, Inc., et al.	61
132283000	XTO Energy, Inc.	28

