

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

RECEIVED
Office Of Oil and Gas

JUN 19 2025

West Virginia Department of
Environmental Protection
District: Mannington

API 47 - 049 - 02524 County Marion
Quad Glover Gap Pad Name CARNEGIE Field/Pool Name N/A
Farm name Jeanne A. Musgrave Akers & Joseph Forte Well Number Carnegie 9H (L003706)
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 4,375,066.33 Easting 548,452.24
Landing Point of Curve Northing 4,375,235.69 Easting 548,338.40
Bottom Hole Northing 4,380,119.48 Easting 545,956.94

Elevation (ft) 1318' 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 13.73 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polycrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 12/04/2023 Date drilling commenced 01/04/2024 Date drilling ceased 06/04/2024
Date completion activities began 11/09/2024 Date completion activities ceased 03/29/2025
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 298', 324', 330', 358', 698' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1841' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 503', 656', 925', 1032' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) Y

Reviewed by:

JP 8-25-2025

APPROVED

09/26/2025

**** Please Note**:** While cementing the 6" production casing string on Carnegie 9H, we saw high pressure and then ultimately a loss of cement returns while pumping displacement. A CBL was run on 06/18/2024 and cement top was found at 5,660' MD. Our Drilling and Completions team feel confident about the CBL and cement placement that it does not need to be remediated since we have good cement at least 500'TVD above the Marcellus.

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API 47- 049 02524 Farm name Jeanne A. Musgrave Akers & Joseph Forte Well number Carnegie 9H (L003706)

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"	1108'	NEW	J-55 54.5#	1012'	N
Coal							
Intermediate 1	12-1/4"	9-5/8"	2672'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	6"	26,184'	NEW	P-110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production cmt has TOC at 5660'GL, which is greater than 500'TVD above the producing formations.
There was high pressure and a loss of returns while pumping displacement. CBL log was run on 06/18/2024.

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	1021	16.0	1.09	1113	0	8
Coal							
Intermediate 1	CLASS A	1045	16.5	1.07		0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4300	15.0	1.19	5117	5660'	8+
Tubing							

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Drillers TD (ft) 26,203' Loggers TD (ft) N/A
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure _____

Kick off depth (ft) 2780'

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 2142'

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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Farm name Jeanne A. Musgrave Akers & Joseph Forte Well number Carnegie 9H (L003706)

[illegible]

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AGE WV Department of
Environmental Protection

Complete a separate record for each stimulation stage.

[illegible]

09/26/2025

Farm name **Jeanne A. Musgrave Akers & Joseph Forte** Well number **Carnegie 9H (L003706)**

DEPTHS

GAS TEST ☐ Build up ☒ Drawdown ☒ Open Flow **OIL TEST** ☐ Flow ☐ Pump

OPEN FLOW	Gas		Oil		NGL		Water		GAS MEASURED BY
	33090	mcfpd	0	bpd	0	bpd	391	bpd	☐ Estimated ☒ Orifice ☐ Pilot

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

[illegible]Drilling Contractor Patterson UTI (292)

Logging Company Baker Hughes

Cementing Company Halliburton

**Cementing
Company** **Nextier Completion Solutions, Inc.**

Please insert additional pages as applicable.

Completed by Jacob Caplan

Telephone 412-215-2723

Signature  Title Mgr Completions Engr Date 2025-06-10

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

09/26/2025

API 47- 049 - 02524 Farm name Jeanne A. Musgrave Akers & Joseph Forte Well number Carnegie 9H (L003706)

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

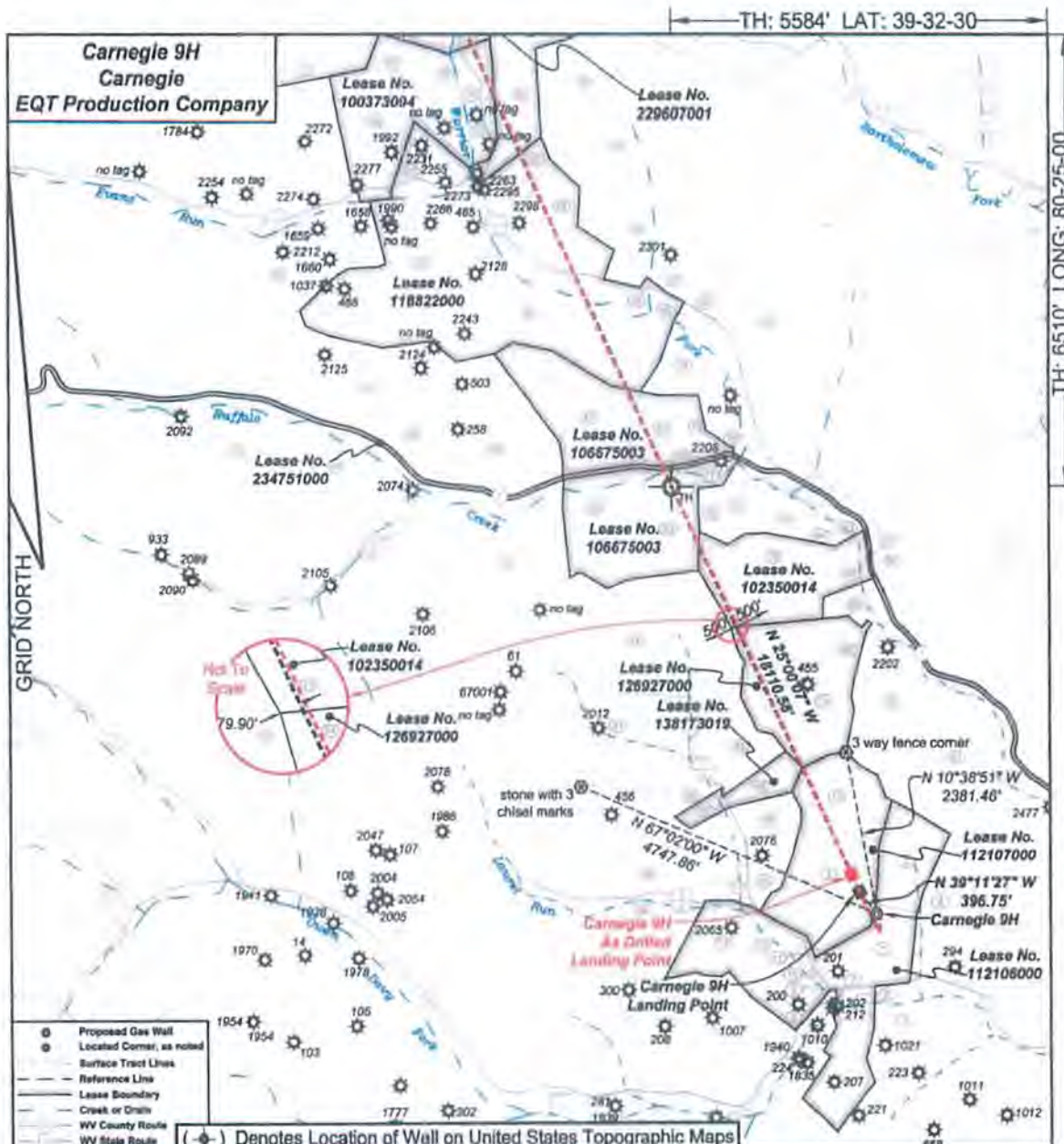
Drilling Contractor _____
Address _____ City _____ State _____ Zip _____

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Well # CARNEGIE 9H Final Formations API# 47-049-02524				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	503	503
Washington	503	503	504	504
Sand/Shale	504	504	656	656
Waynesburg	656	656	658	658
Sand/Shale	658	658	925	925
Sewickley	925	925	928	928
Sand/Shale	928	928	1,032	1,032
Pittsburgh	1,032	1,032	1,040	1,040
Sand/Shale	1,040	1,040	2,487	2,487
Big Injun	2,487	2,487	2,448	2,448
Sand/Shale	2,448	2,448	2,937	2,937
Gantz	2,937	2,937	3,063	3,063
50F	3,063	3,063	3,144	3,144
Sand/Shale	3,144	3,144	3,228	3,227
Fifth Sand	3,228	3,227	3,248	3,247
Sand/Shale	3,248	3,247	3,338	3,337
Bayard	3,338	3,337	3,370	3,369
Sand/Shale	3,370	3,369	5,735	5,728
Alexander	5,735	5,728	5,785	5,778
Sand/Shale	5,785	5,778	6,107	6,099
Elks	6,107	6,099	7,155	7,144
Sonyea	7,155	7,144	7,352	7,334
Middlesex	7,352	7,334	7,431	7,404
Genesee	7,431	7,404	7,553	7,501
Geneseo	7,553	7,501	7,610	7,540
Tully	7,610	7,540	7,681	7,583
Hamilton	7,681	7,583	7,932	7,682
Marcellus	7,932	7,682	26,203	7,748

09/26/2025



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.

P.S. 2092



SEAL

FILE NO: 92-21
DRAWING NO: Carnegie 9H
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: June 07 20 24
OPERATOR'S WELL NO.: Carnegie 9H
API WELL NO
47 - 049 - 02524
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: As-Built: 1318' WATERSHED Laurel Run of Owen Davy Fork QUADRANGLE: Glover Gap
DISTRICT: Mannington COUNTY: Marion
SURFACE OWNER: Jeanne A. Musgrave Akers & Joseph Forte ACREAGE: 28.96
ROYALTY OWNER: Bounty Minerals, LLC, et al. LEASE NO: 112108000 ACREAGE: 135
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: 7712'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 25301

09/26/2025

BH: 1914' LAT: 39-35-00		BH: 5050' LONG: 80-27-30
Carnegie 9H Carnegie EQT Production Company		
☐ Proposed Gas Well ☐ Located Corner, as noted ☐ Surface Tract Lines ☐ Reference Line ☐ Lease Boundary ☐ Creek or Dryin ☐ WV County Route ☐ WV State Route	(-o-) Denotes Location of Well on United States Topographic Maps	
	<i>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.</i> <i>Ben R. Singleton</i> P.S. 2092	
FILE NO: 92-21 DRAWING NO: Carnegie 9H 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	
WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW LOCATION: ELEVATION: As-Built: 1318' WATERSHED: Laurel Run of Owen Davy Fork QUADRANGLE: Glover Gap DISTRICT: Mannington COUNTY: Marion SURFACE OWNER: Jeanne A. Musgrave Akers & Joseph Forte ACREAGE: 28.96 ROYALTY OWNER: Bounty Minerals, L.L.C. et al LEASE NO: 112106000 ACREAGE: 135 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: 7712'		DATE: June 07 20 24 OPERATOR'S WELL NO: Carnegie 9H API WELL NO 47 - 049 - 02524 STATE COUNTY PERMIT
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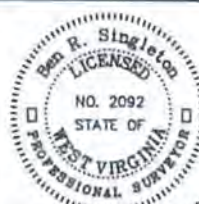
Carnegie 9H
Carnegie
EQT Production Company

Tract ID	Tract No.	Parcel No.	County	District	Surface Tract Owner	Acres	Tract ID	Tract No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	92	80	Marion	Mannington	Jeanne A. Musgrave Akers & Joseph Forte	28.96	102	44	41.2	Marion	Mannington	Charles L. Riggs	0.943
1	94	71	Marion	Mannington	Epiphany B	11.5	103	44	17.1	Marion	Mannington	Leann H. & Terry L. Strawn	0.1275
1	95	30.1	Marion	Mannington	Jeanne A. Musgrave Akers & Joseph Forte	11.9	105	34	17.1	Marion	Mannington	William L. & Peggy L. Jordan	0.13
4	45	40	Marion	Mannington	Marshall & Bob Carrington	94	111	42	8.2	Marion	Mannington	Charles S. Russell	1.27
5	26	15	Marion	Mannington	Marshall & Bob Carrington	38	112	42	8.2	Marion	Mannington	Charles S. Russell	0.15
6	57	17	Marion	Mannington	Brace R. & Janice M. Thomas	5.71	113	42	8.2	Marion	Mannington	Jerry L. & Kimberly S. Rice	12.5
7	52	14	Marion	Mannington	Richard H. & Lucy M. Lambert	6.76	114	42	11	Marion	Mannington	Jerry L. & Kimberly S. Rice	4.94
8	52	13	Marion	Mannington	Kevin H. & Brenda L. Sargent	6.17	115	42	14	Marion	Mannington	Jerry L. & Kimberly S. Rice	18.4
9	40	11	Marion	Mannington	Helen O. & Diana S. Bellini	1.1	116	42	14	Marion	Mannington	Jeffrey C. & Rose M. Scobey	34.4
39	46	13.2	Marion	Mannington	Devon Coal	0.13	117	42	14	Marion	Mannington	Jeffrey C. & Rose M. Scobey	64.89
11	46	13.1	Marion	Mannington	Gary A. & Sheila D. Dan	1.08	118	42	14	Marion	Mannington	Jeffrey C. & Rose M. Scobey	14.82
12	46	14	Marion	Mannington	Ingene T. & Preston A. Holman	14.09	119	42	8	Marion	Mannington	Edward L. Harris	11.42
13	46	15	Marion	Mannington	Donna O. & Keith B. Stroman	27.5	120	42	16	Marion	Mannington	Donna M. & Lisa A. Hays	0.59
14	79	26	Marion	Mannington	William E. Granger	5.9							
15	45	30	Marion	Mannington	Fielder R. & Kimberly P. Turner	64.21							
16	70	35	Marion	Mannington	Trustees Mannington Church of Christ	1.1							
17	45	36	Marion	Mannington	Thomas R. Smith	91							
18	45	37	Marion	Mannington	Leah A. & Rita D. Smith	117.5							
19	45	38	Marion	Mannington	Mike Burtner	11.93							
20	45	39	Marion	Mannington	James E. Smith, wife	208.25							
21	45	40	Marion	Mannington	James E. & Denise D. Samsingh	195.45							
22	45	41	Marion	Mannington	Sharon R. Gier	105.909							
23	44	39	Marion	Mannington	Jeffrey T. & Cheryl A. Lawrence	14.91							
24	44	40	Marion	Mannington	Patricia A. Hunsicker	107.1							
25	44	41	Marion	Mannington	Jeffrey B. & Patricia J. Gray	109.133							
26	44	42	Marion	Mannington	Lisa A. & Brian R. Powell	40							
27	44	43	Marion	Mannington	William E. Jones	203.136							
28	44	44	Marion	Mannington	Calvinne Evans	80.12							
29	44	45	Marion	Mannington	Charles T. & Kathy R. Glover	13.46							
30	44	46	Marion	Mannington	Raymond M. & Susan D. Russell	5.4							
31	44	47	Marion	Mannington	Michael B. Alvarado & Michelle A. Smith	1.25							
32	44	48	Marion	Mannington	Joseph A. Tucker	5							
33	44	49	Marion	Mannington	Joseph A. & Helen J. Sapping	0.479							
34	44	50	Marion	Mannington	Joseph A. Tucker	45							
35	44	51	Marion	Mannington	Joseph A. Tucker	50							
36	44	52	Marion	Mannington	Victor J. Jones	24.537							
37	44	53	Marion	Mannington	Dean A. Jones	22.79							
38	44	54	Marion	Mannington	Thomas L. Samsingh	44.43							
39	44	55	Marion	Mannington	EQT Production Company	75.9							
40	44	56	Marion	Mannington	Charles E. Jones	11							
41	44	57	Marion	Mannington	Mike Berry Inc	59.12							
42	44	58	Marion	Mannington	Lincoln M. & Rosemary A. Samsingh	10.46							
43	44	59	Marion	Mannington	W. B. Jennings LLC	6.13							
44	44	60	Marion	Mannington	Kathleen Rees	1							
45	44	61	Marion	Mannington	Richard A. & Andrea M. Samsingh	6.45							
46	44	62	Marion	Mannington	Stanley Q. Sapping	4.8							
47	44	63	Marion	Mannington	Stanley Q. Sapping	17.50							
48	44	64	Marion	Mannington	No Parcel Info Available	N/A							
49	44	65	Marion	Mannington	Waters & Pappas Square	58.899							
50	44	66	Marion	Mannington	Leann & Terry Samsingh	4							
51	44	67	Marion	Mannington	Paul R. Carl Jones	1							
52	44	68	Marion	Mannington	Paul R. Carl Jones	35.25							
53	44	69	Marion	Mannington	Marion & Linda Russell	1.96							
54	44	70	Marion	Mannington	Marion & Linda Russell Inc	81							
55	44	71	Marion	Mannington	Larry Baker, et al	42							
56	44	72	Marion	Mannington	The Mannington Coal Company	32.12							
57	44	73	Marion	Mannington	United & Lundy Quarry	47.433							
58	44	74	Marion	Mannington	Thomas A. & Kathy Samsingh	3.73							
59	44	75	Marion	Mannington	Samuel M. Samsingh	2.5							
60	44	76	Marion	Mannington	OTK Land LLC	1.75							
61	44	77	Marion	Mannington	Lamontary	1.3							
62	44	78	Marion	Mannington	David R. & Jerry Samsingh	17.13							
63	44	79	Marion	Mannington	David R. & Jerry Samsingh	42							
64	44	80	Marion	Mannington	William H. Samsingh	6.18							
65	44	81	Marion	Mannington	Marion & Linda Russell	40.134							
66	44	82	Marion	Mannington	James L. Samsingh	38.4							
67	44	83	Marion	Mannington	E & N Properties LLC	36							
68	44	84	Marion	Mannington	James L. & Kimberly S. Rice	3.75							
69	44	85	Marion	Mannington	James L. & Kimberly S. Rice	12.15							
70	44	86	Marion	Mannington	E & N Properties LLC	20.49							
71	44	87	Marion	Mannington	E & N Properties LLC	14.56							
72	44	88	Marion	Mannington	William H. Samsingh	4.4							
73	44	89	Marion	Mannington	William H. Samsingh	35.25							
74	44	90	Marion	Mannington	James L. & Kimberly S. Rice	14.71							
75	44	91	Marion	Mannington	James L. & Kimberly S. Rice	5.41							



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Carnegie 9H
Carnegie
EQT Production Company

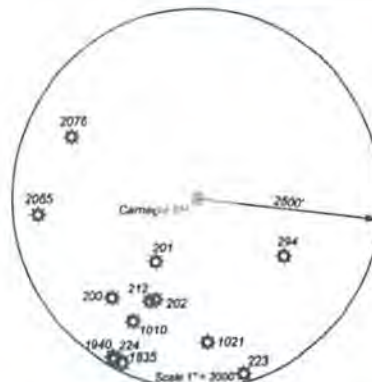
Lease No.	Owner	Acres
112106000	Bounty Minerals, LLC, et al.	135
112107000	EQT Production Company, et al.	81
138173019	Mike Ross, Inc., et al.	16.5
126927000	CNX Gas Company LLC, et al.	71
102350014	Karen S. Phillips Trust, et al.	55
106675003	J&H Management Enterprises, LLC, et al.	163.02
234751000	West Virginia Department of Transportation, Division of Highways	48.86
116822000	John M. Bachman, et al.	260.4
165997010	Craig M. Steele, et al.	36
100373094	Lou Ellen Brumage, et al.	83.23
296366001	Country Roads Minerals, LLC, et al.	143
229607001	Frederick L. Satterfield, et al.	0.75
226237001	Priscilla J. Vincent, et al.	18.02
124415118	LuAnn Campbell, et al.	32.5
135009045	XTO Energy, Inc.	36 of 222
124415158	Christ Episcopal Church, et al.	78.6

As Drilled Well Information:
Carnegie 9H coordinates are
NAD 27 N: 374,204.31 E: 1,735,637.48
NAD 83 UTM N: 4,375,066.33 E: 548,452.24
Carnegie 9H Landing Point coordinates are
NAD 27 N: 374,826.25 E: 1,735,473.20
NAD 83 UTM N: 4,375,235.69 E: 548,338.40
Carnegie 9H Bottom Hole coordinates are
NAD 27 N: 390,982.23 E: 1,727,925.44
NAD 83 UTM N: 4,380,119.48 E: 545,956.94
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.

Carnegie

- ① Carnegie 19H
- ② Carnegie 17H
- ③ Carnegie 15H
- ④ Carnegie 13H
- ⑤ Carnegie 11H
- ⑥ Carnegie 9H
- ⑦ Carnegie 7H
- ⑧ Carnegie 5H
- ⑨ Carnegie 3H
- ⑩ Carnegie 1H

Well References:



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: 92-21
DRAWING NO: Carnegie 9H
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: June 07 20 24
OPERATOR'S WELL NO.: Carnegie 9H
API WELL NO
47 - 049 - 02524
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: As-Built: 1318' WATERSHED Laurel Run of Owen Davy Fork QUADRANGLE: Glover Gap
DISTRICT: Mannington COUNTY: Marion
SURFACE OWNER: Jeanne A. Musgrave Akers & Joseph Forte ACREAGE: 28.96
ROYALTY OWNER: Bounty Minerals, LLC, et al. LEASE NO: 112106000 ACREAGE: 135
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: 7712'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 25301

09/26/2025

Perforation Data

Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	11/09/2024	26098	25897	44	Marcellus
3	11/10/2024	25878	25676	44	Marcellus
4	11/10/2024	25657	25456	44	Marcellus
5	11/10/2024	25437	25235	44	Marcellus
6	11/11/2024	25216	25015	44	Marcellus
7	11/11/2024	24996	24794	44	Marcellus
8	11/11/2024	24775	24553	48	Marcellus
9	11/12/2024	24534	24313	48	Marcellus
10	11/12/2024	24294	24072	48	Marcellus
11	11/12/2024	24053	23832	48	Marcellus
12	11/13/2024	23813	23591	48	Marcellus
13	11/13/2024	23572	23350	48	Marcellus
14	11/13/2024	23331	23110	48	Marcellus
15	11/14/2024	23091	22869	48	Marcellus
16	11/14/2024	22850	22629	48	Marcellus
17	11/14/2024	22610	22388	48	Marcellus
18	11/15/2024	22369	22147	48	Marcellus
19	11/15/2024	22128	21907	48	Marcellus
20	11/15/2024	21888	21666	48	Marcellus
21	11/16/2024	21647	21426	48	Marcellus
22	11/16/2024	21407	21186	48	Marcellus
23	11/16/2024	21166	20944	48	Marcellus
24	11/16/2024	20925	20704	48	Marcellus
25	11/17/2024	20685	20463	48	Marcellus
26	11/17/2024	20444	20223	48	Marcellus
27	11/17/2024	20204	19982	48	Marcellus
28	11/17/2024	19963	19741	48	Marcellus
29	11/18/2024	19722	19501	48	Marcellus
30	11/18/2024	19482	19260	48	Marcellus
31	11/19/2024	19241	19020	48	Marcellus
32	11/19/2024	19001	18779	48	Marcellus
33	11/19/2024	18760	18538	48	Marcellus
34	11/19/2024	18519	18298	48	Marcellus
35	11/20/2024	18279	18057	48	Marcellus
36	11/20/2024	18038	17817	48	Marcellus
37	11/20/2024	17798	17576	48	Marcellus
38	11/21/2024	17557	17335	48	Marcellus
39	11/21/2024	17316	17095	48	Marcellus
40	11/21/2024	17076	16854	48	Marcellus
41	11/22/2024	16835	16614	48	Marcellus
42	11/22/2024	16595	16373	48	Marcellus

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43	11/22/2024	16354	16132	48	Marcellus
44	11/23/2024	16113	15892	48	Marcellus
45	11/23/2024	15873	15651	48	Marcellus
46	11/23/2024	15632	15411	48	Marcellus
47	11/24/2024	15392	15170	48	Marcellus
48	11/24/2024	15151	14929	48	Marcellus
49	11/24/2024	14910	14689	48	Marcellus
50	11/24/2024	14670	14448	48	Marcellus
51	11/24/2024	14429	14208	48	Marcellus
52	11/25/2024	14189	13967	48	Marcellus
53	11/25/2024	13948	13726	48	Marcellus
54	11/25/2024	13707	13486	48	Marcellus
55	11/26/2024	13467	13245	48	Marcellus
56	11/26/2024	13226	13005	48	Marcellus
57	11/26/2024	12986	12764	48	Marcellus
58	11/26/2024	12745	12523	48	Marcellus
59	11/27/2024	12504	12283	48	Marcellus
60	11/27/2024	12264	12042	48	Marcellus
61	11/27/2024	12023	11802	48	Marcellus
62	11/27/2024	11783	11561	48	Marcellus
63	11/28/2024	11542	11320	48	Marcellus
64	11/28/2024	11301	11080	48	Marcellus
65	11/28/2024	11061	10839	48	Marcellus
66	11/30/2024	10820	10599	48	Marcellus
67	12/01/2024	10580	10358	48	Marcellus
68	12/02/2024	10339	10117	48	Marcellus
69	12/02/2024	10098	9877	48	Marcellus
70	12/02/2024	9858	9636	48	Marcellus
71	12/02/2024	9617	9396	48	Marcellus
72	12/02/2024	9377	9155	48	Marcellus
73	12/02/2024	9136	8914	48	Marcellus
74	12/03/2024	8895	8674	48	Marcellus
75	12/03/2024	8655	8433	48	Marcellus
76	12/03/2024	8414	8193	48	Marcellus
77	12/03/2024	8174	7972	44	Marcellus

Stimulation Data

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	11/09/2024	85	10676	10910	4451	177205	4390.00	
2	11/10/2024	115	10140	7997	18	484998	12069.00	
3	11/10/2024	111	10476	6871	4601	484696	11578.00	
4	11/11/2024	120	10358	7477	5572	484416	11499.00	
5	11/11/2024	118	10113	7058	5170	485164	11386.00	
6	11/11/2024	117	10504	6361	5204	484734	11355.00	
7	11/12/2024	117	10535	6931	5016	485290	11352.00	
8	11/12/2024	115	10509	6560	5397	529497	12314.00	
9	11/12/2024	118	10417	6336	4583	528559	12533.00	
10	11/13/2024	120	10766	6674	5233	528375	12247.00	
11	11/13/2024	120	10527	6776	5627	530529	12224.00	
12	11/13/2024	118	10889	6243	3270	528290	12453.00	
13	11/14/2024	120	10665	6597	5289	528377	12384.00	
14	11/14/2024	120	10424	6677	5875	528376	12231.00	
15	11/14/2024	120	10675	6876	5502	528323	12222.00	
16	11/15/2024	120	10845	6737	5824	528000	12312.00	
17	11/15/2024	120	10927	6469	5980	529203	12221.00	
18	11/15/2024	121	10934	6823	5467	529476	12221.00	
19	11/16/2024	120	10792	6429	5381	528445	12381.00	
20	11/16/2024	119	10710	5946	5378	529540	12087.00	
21	11/16/2024	120	11029	6450	5836	528861	12077.00	
22	11/16/2024	120	10953	6706	5168	528200	12091.00	
23	11/17/2024	121	10912	6269	5798	528855	12145.00	
24	11/17/2024	120	10877	6155	6060	527957	12021.00	
25	11/17/2024	120	10814	6491	6241	528298	12075.00	
26	11/18/2024	120	10867	6325	5897	528375	12185.00	
27	11/18/2024	120	10629	6463	5598	529630	12004.00	
28	11/18/2024	120	10871	6593	5484	528377	11986.00	
29	11/18/2024	120	10541	6178	5794	529185	12053.00	
30	11/19/2024	118	10987	6073	5548	522500	12044.00	
31	11/19/2024	120	10494	6447	6510	528243	11961.00	
32	11/19/2024	120	10592	6154	6459	528257	12011.00	
33	11/19/2024	120	10311	6135	6077	528158	11908.00	
34	11/20/2024	120	10534	6537	5877	528710	11918.00	
35	11/20/2024	120	10680	6806	5291	529059	11955.00	
36	11/21/2024	120	10360	6176	6257	529639	12095.00	
37	11/21/2024	119	10443	6919	5840	529507	11952.00	
38	11/21/2024	120	10669	6758	5643	528348	11970.00	
39	11/22/2024	120	10131	6621	6058	530119	11921.00	
40	11/22/2024	120	10850	6887	5947	529050	11907.00	
41	11/22/2024	120	10422	6423	5586	528084	11941.00	

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42	11/23/2024	119	10296	6602	4975	528600	11906.00
43	11/23/2024	121	10891	6674	5806	528250	11868.00
44	11/23/2024	120	10718	6378	5815	528065	11861.00
45	11/23/2024	120	10500	6717	5951	528244	11878.00
46	11/24/2024	119	10733	7099	6076	528418	11867.00
47	11/24/2024	120	10727	6829	6119	529438	11865.00
48	11/24/2024	120	10555	6380	0	528173	11877.57
49	11/25/2024	120	10803	6584	5953	527844	11889.00
50	11/25/2024	113	9785	6464	6210	529225	11836.00
51	11/25/2024	120	10104	6380	6007	528213	11824.00
52	11/25/2024	120	10210	6635	5219	528148	11821.00
53	11/26/2024	120	9891	6573	5849	528534	11884.00
54	11/26/2024	120	10022	6960	6250	529050	11776.00
55	11/26/2024	120	10224	6500	6488	528596	11806.00
56	11/26/2024	120	9920	6660	5664	529223	11792.00
57	11/27/2024	120	10095	6920	5127	529027	11751.00
58	11/27/2024	120	9902	6696	5505	528203	11739.00
59	11/27/2024	120	9822	6510	5830	528250	11748.00
60	11/27/2024	120	9855	6841	5687	516882	11910.00
61	11/28/2024	116	9320	6787	5497	528218	11734.00
62	11/28/2024	121	9645	6378	6546	528473	11748.00
63	11/28/2024	120	9272	5598	5888	528386	11755.00
64	11/29/2024	121	9560	6732	5904	528288	11728.00
65	11/29/2024	120	9516	6672	5911	527866	11440.00
66	12/01/2024	115	9171	6510	5869	529960	11691.00
67	12/02/2024	120	9434	5861	6008	527913	11713.00
68	12/02/2024	120	9269	5437	5855	528240	11665.00
69	12/02/2024	120	9443	6020	5355	528404	11667.00
70	12/02/2024	120	9122	5998	5869	528195	11669.00
71	12/03/2024	120	9278	6396	5686	528772	11598.00
72	12/03/2024	120	8930	6016	5735	530181	11663.00
73	12/03/2024	120	8917	6444	5998	528211	11625.00
74	12/03/2024	120	9088	5889	5773	528449	11656.00
75	12/03/2024	120	9065	6296	5637	528063	11630.00
76	12/03/2024	118	9319	5929	5723	528148	12603.00
77	12/04/2024	108	9993	6528	5373	482864	16235.00

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/09/2024
Job End Date:	12/04/2024
State:	West Virginia
County:	Marion
API Number:	47-049-02524-00-00
Operator Name:	EQT Production
Well Name and Number:	Carnegie 9H
Latitude:	39.523879
Longitude:	-80.436273
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7776
Total Base Water Volume (gal)*:	38396297.94
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	88.77064	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	11.08990	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	40.00000	0.01405	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	40.00000	0.01405	None
Clearal 268	ChemStream	Biocide					
			Water	7732-18-5	80.00000	0.00900	None

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StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Water	7732-18-5	15.00000	0.00198	None
Enviro-Syn HCR-7000- WL	Fluid USA, Inc.	Synthetic Acid					
			FLUID-Acid-00001	Proprietary	20.00000	0.00113	None
Clearal 268	ChemStream	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00056	None
Enviro-Syn HCR-7000- WL	Fluid USA, Inc.	Synthetic Acid					
			FLUID-Amine-00001	Proprietary	10.00000	0.00028	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ETHOXYLATED ALCOHOLS (C12-16)	68551-12-2	5.00000	0.00022	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		0.00000	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			AA/Maleic Anhydride Co- polymer	9003-04-7		0.00000	None
RECEIVED Office of Oil and Gas JUN 19 2025 WV Department of Environmental Protection							
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)

09/26/2025

Carnegie 9H
Carnegie
EQT Production Company

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres	Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	49	39	Marion	Mannington	Jeanne A. Musgrave Akers & Joseph Forte	28.96	208	44	41.2	Marion	Mannington	Charles E. Riggs	0.743
2	49	37	Marion	Mannington	Equitrans LP	51.5	209	44	17.1	Marion	Mannington	Lewis H. & Terry L. Simons	0.2273
3	49	39.1	Marion	Mannington	Jeanne A. Musgrave Akers & Joseph Forte	23.9	210	44	17.3	Marion	Mannington	Walter L. & Poppie L. Upton	0.53
4	49	40	Marion	Mannington	Marshall & Dick Curtright	36	211	42	8.2	Marion	Mannington	Cheslea S. Russell	1.27
5	50	14	Marion	Mannington	Melvin L. Gooch Sr.	28	212	42	8.1	Marion	Mannington	Cheslea S. Russell	0.55
6	50	15	Marion	Mannington	Perry R. & Janice M. Thorne	5.61	213	42	10	Marion	Mannington	Jerry L. & Kimberly S. Rice	32.5
7	50	16	Marion	Mannington	Richard H. & Lucy M. Lambert	0.46	214	42	11	Marion	Mannington	Jerry L. & Kimberly S. Rice	4.94
8	50	17	Marion	Mannington	Jason H. & Brandy L. Watson	0.37	215	42	14	Marion	Mannington	Jennifer R. Fridley & Rose M. Sokolsky	13.8
9	48	13	Marion	Mannington	Harlen O. & Diana S. Batson	1.1	216	42	18	Marion	Mannington	Nathanael C. Hibbs	34.4
10	48	13.2	Marion	Mannington	Dustin Earl	0.73	217	42	21	Marion	Mannington	Nathanael C. Hibbs	64.69
11	48	13.1	Marion	Mannington	Gary A. & Sheila D. Earl	2.02	218	42	20	Marion	Mannington	Nathanael C. Hibbs	54.81
12	48	14	Marion	Mannington	Roger L. & Pauline A. Sherman	75.09	300	42	8	Marion	Mannington	Edward L. Morris	17.47
13	48	15	Marion	Mannington	Elmer O. & Alda G. Duncan	23.5	304	42	36	Marion	Mannington	Dennis M. & Lisa A. Hayes	0.59
14	48	16	Marion	Mannington	William E. Crigler	5.5							
15	49	36	Marion	Mannington	Frederic R. & Kimberly P. Steele	16.25							
16	49	35	Marion	Mannington	Trustees Mannington Church of Christ	13							
17	49	38	Marion	Mannington	Thomas R. Wright	30							
36	48	17	Marion	Mannington	George A. & Ada D. Stahl	117.5							
40	49	11	Marion	Mannington	Mike Ross Inc	51.51							
41	48	18	Marion	Mannington	Jason D. Beaty, et al.	101.25							
44	48	19	Marion	Mannington	Dennis L. & Denise D. Sprounglin	105.45							
45	45	8	Marion	Mannington	Sharon A. Grim	185.959							
47	44	34	Marion	Mannington	Billy L. & Cheryl A. Garrison	44.93							
48	44	37	Marion	Mannington	Priscilla A. Hamilton	157.3							
49	45	9	Marion	Mannington	Jeffrey B. & Pamela J. Gray	107.777							
51	45	10	Marion	Mannington	Lisa A. & Baron R. Powell	68							
52	45	21	Marion	Mannington	Vickie E. Lucas	103.194							
53	44	33	Marion	Mannington	Katherine Reese	90.12							
54	44	26	Marion	Mannington	Charles L. & Kathy K. Glover	11.06							
55	44	36	Marion	Mannington	Raymond M. & Carrie D. Booth	1.4							
56	44	23	Marion	Mannington	Michael B. Abruzzo & Michelle A. Smith	2.25							
57	44	22.2	Marion	Mannington	Joseph A. Tucker	5							
58	44	22.1	Marion	Mannington	Eugene C. & Helen I. Serafino	0.675							
59	44	22	Marion	Mannington	Joseph A. Tucker	45							
60	44	21	Marion	Mannington	Joseph A. Tucker	50							
62	44	19	Marion	Mannington	Vickie E. Lucas	74.937							
63	44	39	Marion	Mannington	Dawn K. Jones	22.79							
64	45	22	Marion	Mannington	Thomas L. Snodgrass	44.43							
65	45	20	Marion	Mannington	EQT Production Company	78.5							
73	47	1	Marion	Mannington	Sharon A. Grim	33							
74	49	32.1	Marion	Mannington	Mike Ross Inc	58.12							
75	49	31	Marion	Mannington	Samuel M. & Rosemary A. Snodgrass	50.08							
76	48	20	Marion	Mannington	We R Farmers LLC	8.53							
77	48	21	Marion	Mannington	Katherine Reese	3							
78	44	33.1	Marion	Mannington	Richard & Brandon Fitzpatrick	6.46							
79	44	39.1	Marion	Mannington	Stanley D. Minger	1.8							
80	44	42	Marion	Mannington	Blinne Fike, et al.	17.36							
81	44	40	Marion	Mannington	No Parcel Info Available	NA							
82	44	17	Marion	Mannington	Walter & Poppie Upton	58.0777							
83	44	18	Marion	Mannington	Lewis & Terry Simons	4							
84	44	41.1	Marion	Mannington	Paul & Carol Fravel	1							
85	44	41	Marion	Mannington	Paul & Carol Fravel	16.25							
86	44	41.3	Marion	Mannington	Wayman & Linda Fravel	1.96							
87	49	14	Marion	Mannington	Marion County Coal Resources Inc	61							
88	49	16	Marion	Mannington	Larry Baker, et al.	42							
89	49	32	Marion	Mannington	The Harrison County Coal Company	12.12							
90	47	2	Marion	Mannington	Chad & Liberty Glover	27.220							
91	47	9.1	Marion	Mannington	Charles & Kathy Glover	7.07							
92	49	31.1	Marion	Mannington	Samuel M. Snodgrass	2.5							
93	49	21	Marion	Mannington	CNX Land LLC	1.75							
94	49	20	Marion	Mannington	Cemetery	1.5							
95	49	30	Marion	Mannington	Chad & Liberty Glover	17.15							
96	44	20	Marion	Mannington	Joseph A. Tucker	40							
162	44	33.2	Marion	Mannington	Katherine Reese	0.18							
179	42	6	Marion	Mannington	Monica J. & Randal W. Valentine	46.184							
180	42	5	Marion	Mannington	Louis J. Chussagun	38.4							
194	42	1	Marion	Mannington	E & N Properties LLC	90							
195	42	9	Marion	Mannington	Jerry L. & Kimberly S. Rice	3.75							
196	42	12	Marion	Mannington	Naomi V. Eddy	12.15							
197	42	13.1	Marion	Mannington	E & N Properties LLC	29.49							
198	42	36.1	Marion	Mannington	E & N Properties LLC	14.04							
199	42	45	Marion	Mannington	William H. Parrish	8.4							
200	42	39	Marion	Mannington	William H. Parrish	35.25							
206	42	15	Marion	Mannington	Dennis M. & Lisa A. Hayes	38.71							
207	42	13	Marion	Mannington	Jennifer R. Fridley & Rose M. Sokolsky	8.41							



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: 92-21
DRAWING NO: Carnegie 9H
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: June 07 20 24
OPERATOR'S WELL NO.: Carnegie 9H
API WELL NO
47 - 049 - 02524
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: As-Built: 1318' WATERSHED Laurel Run of Owen Davy Fork QUADRANGLE: Glover Gap
DISTRICT: Mannington COUNTY: Marion
SURFACE OWNER: Jeanne A. Musgrave Akers & Joseph Forte ACREAGE: 29.96
ROYALTY OWNER: Bounty Minerals, LLC, et al. LEASE NO: 112106000 ACREAGE: 135
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: 7712'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 25301

Carnegie 9H Carnegie EQT Production Company		As Drilled Well Information: Carnegie 9H coordinates are NAD 27 N: 374,264.31 E: 1,735,837.48 NAD 83 UTM N: 4,375,066.33 E: 548,452.24 Carnegie 9H Landing Point coordinates are NAD 27 N: 374,826.25 E: 1,735,473.20 NAD 83 UTM N: 4,375,235.69 E: 548,338.40 Carnegie 9H Bottom Hole coordinates are NAD 27 N: 390,982.23 E: 1,727,925.44 NAD 83 UTM N: 4,380,119.48 E: 545,956.94 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.																																																				
<table><tr><th>Lease No.</th><th>Owner</th><th>Acres</th></tr><tr><td>112106000</td><td>Bounty Minerals, LLC, et al.</td><td>135</td></tr><tr><td>112107000</td><td>EQT Production Company, et al.</td><td>81</td></tr><tr><td>138173019</td><td>Mike Ross, Inc., et al.</td><td>16.5</td></tr><tr><td>126927000</td><td>CNX Gas Company LLC, et al.</td><td>71</td></tr><tr><td>102350014</td><td>Karen S. Phillips Trust, et al.</td><td>55</td></tr><tr><td>106675003</td><td>J&N Management Enterprises, LLC, et al.</td><td>163.02</td></tr><tr><td>234751000</td><td>West Virginia Department of Transportation, Division of Highways</td><td>46.86</td></tr><tr><td>118822000</td><td>John M. Bachman, et al.</td><td>260.4</td></tr><tr><td>185997010</td><td>Craig M. Steele, et al.</td><td>36</td></tr><tr><td>100373094</td><td>Lou Ellen Brumage, et al.</td><td>93.23</td></tr><tr><td>259366001</td><td>Country Roads Minerals, LLC, et al.</td><td>143</td></tr><tr><td>229607001</td><td>Frederick L. Satterfield, et al.</td><td>0.75</td></tr><tr><td>226237001</td><td>Priscilla J. Vincent, et al.</td><td>18.02</td></tr><tr><td>124415118</td><td>LuAnn Campbell, et al.</td><td>32.5</td></tr><tr><td>135009045</td><td>XTO Energy, Inc.</td><td>36 of 222</td></tr><tr><td>124415158</td><td>Christ Episcopal Church, et al.</td><td>78.6</td></tr></table>		Lease No.	Owner	Acres	112106000	Bounty Minerals, LLC, et al.	135	112107000	EQT Production Company, et al.	81	138173019	Mike Ross, Inc., et al.	16.5	126927000	CNX Gas Company LLC, et al.	71	102350014	Karen S. Phillips Trust, et al.	55	106675003	J&N Management Enterprises, LLC, et al.	163.02	234751000	West Virginia Department of Transportation, Division of Highways	46.86	118822000	John M. Bachman, et al.	260.4	185997010	Craig M. Steele, et al.	36	100373094	Lou Ellen Brumage, et al.	93.23	259366001	Country Roads Minerals, LLC, et al.	143	229607001	Frederick L. Satterfield, et al.	0.75	226237001	Priscilla J. Vincent, et al.	18.02	124415118	LuAnn Campbell, et al.	32.5	135009045	XTO Energy, Inc.	36 of 222	124415158	Christ Episcopal Church, et al.	78.6	Carnegie ⊙ Carnegie 19H ⊙ Carnegie 17H ⊙ Carnegie 15H ⊙ Carnegie 13H ⊙ Carnegie 11H ⊙ Carnegie 9H ⊙ Carnegie 7H ⊙ Carnegie 5H ⊙ Carnegie 3H ⊙ Carnegie 1H	
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