

Well Operator's Report of Well Work



Well Number: Hines A M14H (L015648)

API: 47 - 051 - 02159

Submission: ☒ Initial ☐ Amended

Notes:

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NY Department of
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01/23/2026

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

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West Virginia Department of
Environmental Protection

API 47-051-02159 County Marshall District Washington
Quad Moundsville Pad Name HINES A Field/Pool Name N/A
Farm name Donald Hines et UX Well Number Hines A M14H (L015648)
Operator (as registered with the OOG) EQT CHAP LLC
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 4,417,409.56 Easting 525,708.46
Landing Point of Curve Northing 4,417,528.96 Easting 526,287.97
Bottom Hole Northing 4,412,846.07 Easting 528,402.91

Elevation (ft) 1225' 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 13.56 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 02/22/2019 Date drilling commenced 03/23/2019 Date drilling ceased 04/05/2025
Date completion activities began 05/30/2025 Date completion activities ceased 08/10/2025
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 364' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1039', 1595', 1632' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 364', 654' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

[Signature]
01/23/2026

API 47-051 - 02159 Farm name Donald Hines et UX Well number Hines A M14H (L015648)

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"	20"	50'	NEW	X-52 78.6#	N/A	Y
Surface	17-1/2"	13-3/8"	437'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2050'	NEW	L-80 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	5-1/2"	23,973'	NEW	P-110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details _____

Production cmt has calculated TOC of 457'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	N/A	N/A	N/A	N/A	0	8+
Surface	CLASS A	448	15.6	1.19	553	0	8
Coal							
Intermediate 1	CLASS A	687	15.6	1.19	817	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4640	15.0	1.19	5522	457'	8+
Tubing							

Drillers TD (ft) 23,998'

Loggers TD (ft) N/A

Deepest formation penetrated MARCELLUS

Plug back to (ft) N/A

Plug back procedure N/A

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Kick off depth (ft) 508'

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 7272', EVERY JOINT TO 5855', EVERY OTHER JOINT TO 1398'

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 _____

01/23/2026

Well number **Hines A M14H (L015648)**

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.

01/23/2026

Well number Hines A M14H (L015648)DEPTHS

Please insert additional pages as applicable.

OIL TEST ☐ Flow ☐ Pump

OPEN FLOW	Gas		Oil		NGL		Water		GAS MEASURED BY		
3980	mcfpd		566	bpd	0	bpd	389	bpd	☐ Estimated	☒ Orifice	☐ Pilot

[illegible]

Please insert additional pages as applicable.

Address 207 Carlton Drive City Eighty Four State PA Zip 15330

Address _____ City _____ State _____ Zip _____

Address **121 Champion Way Suite 110** City **Canonsburg** State **PA** Zip **15317**

Address _____ **City** _____ **State** _____ **Zip** _____

Please insert additional pages as applicable.

Signature Title Director Completions Date 2025-10-28

Attach copy of FRACFOCUS Registry

01/23/2026

API 47- 051 - 02159 Farm name Donald Hines et UX Well number Hines A M14H (L015648)

Drilling Contractor Highlands Drilling LLC
Address 900 Virginia Street East City Charleston State WV Zip 25301

Cementing Company BJ Services
Address 1036 East Main Street City Bridgeport State PA Zip 26330

Logging Company Scientific Drilling International, Inc
Address 3475 Washington Ave City Finleyville State PA Zip 15332

Cementing Company _____
Address _____ City _____ State _____ Zip _____

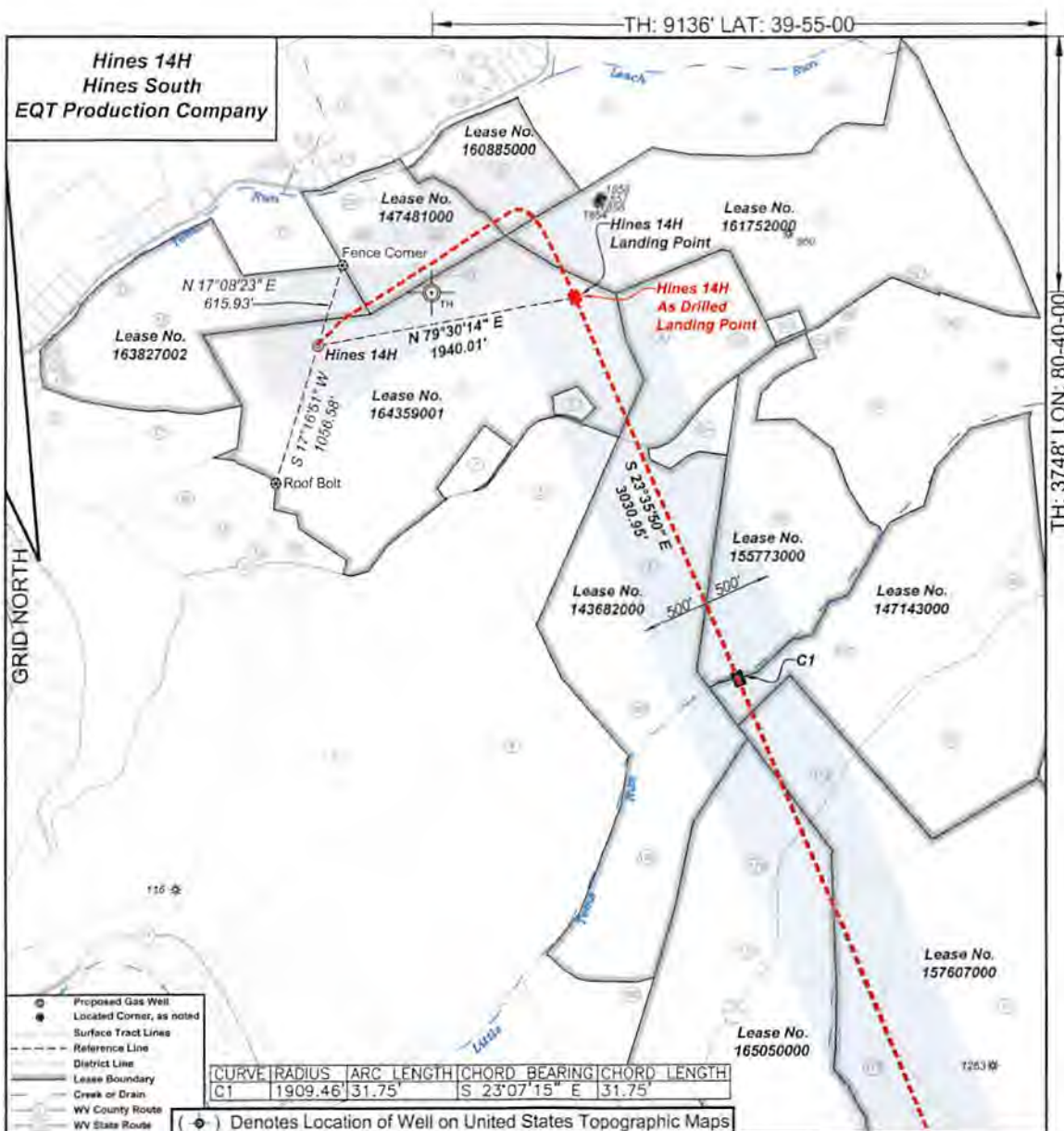
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Well # Hines A M14H Final Formations API# 47-051-02159				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	364	364
Waynesburg Coal	364	364	367	367
Sand/Shale	367	367	654	654
Pittsburgh Coal	654	654	660	660
Sand/Shale	660	660	1,594	1,592
Big Lime	1,594	1,592	1,656	1,653
Sand/Shale	1,656	1,653	1,830	1,824
Burgoon	1,830	1,824	1,983	1,976
Sand/Shale	1,983	1,976	2,197	2,187
Berea	2,197	2,187	2,218	2,208
Sand/Shale	2,218	2,208	2,454	2,436
Gordon	2,454	2,436	2,529	2,506
Sand/Shale	2,529	2,506	4,976	4,702
Elk	4,976	4,702	4,977	4,702
Sand/Shale	4,977	4,702	5,637	5,293
Rhinestreet	5,637	5,293	6,377	5,954
Sonyea	6,377	5,954	6,504	6,050
Middlesex	6,504	6,050	6,543	6,076
Genesee	6,543	6,076	6,618	6,123
Geneseo	6,618	6,123	6,654	6,143
Tully	6,654	6,143	6,710	6,173
Hamilton	6,710	6,173	6,937	6,259
Marcellus	6,937	6,259	23,998	6,472

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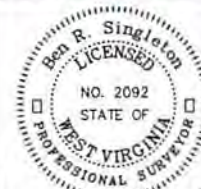
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I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

P.S. 2092



SEAL

FILE NO: 17-22
DRAWING NO: Hines 14H
SCALE: 1" = 1000'
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: May 20 20 25
OPERATOR'S WELL NO.: Hines 14H
API WELL NO
47 - 051 - 02159
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: 1125' WATERSHED Middle Grave Creek QUADRANGLE: Moundsville
DISTRICT: Washington COUNTY: Marshall
SURFACE OWNER: Shelby Hinterer ACREAGE: 94.658
ROYALTY OWNER: Shelby Hinterer LEASE NO: 164359001 ACREAGE: 156.218
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: 6312'

WELL OPERATOR: EQT CHAP LLC DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

01/23/2026

BH: 348' LAT: 39-52-30

BH: 3578' LON: 80-40-00

Hines 14H
Hines South
EQT Production Company

GRID NORTH

Lease No.
165050000

Lease No.
157607000

1263

354

S 22°38'40" E
12112.93'

Lease No.
162170000

Lease No.
146311016

Lease No.
157635000

Lease No.
152108000

Lease No.
152614000

Lease No.
275504001

Lease No.
152614000

1848

708

Lease No.
220486016

Lease No.
220486016

Hines 14H
As Drilled
Bottom Hole
Hines 14H
Bottom Hole

CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C2	1908.69'	191.65'	S 25°31'16" E	191.57'

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

() Denotes Location of Well on United States Topographic Maps

01/23/2026

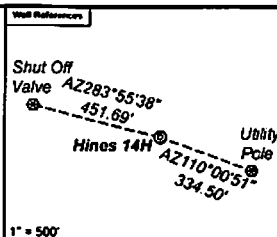
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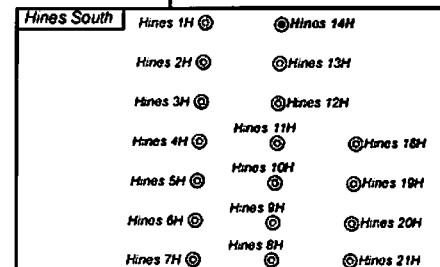
WV Department of
Environmental Protection

Hines 14H Hines South EQT Production Company

Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	12	30	Marshall	Washington	Shelby Wood Hirscher	94.659
2	12	29	Marshall	Washington	Ken Porter	25
3	11	1	Marshall	Washington	Olley L. Rine, Jr.	97.577
4	12	31	Marshall	Washington	Patricia Sue Hoskins	62.342
5	12	30.7	Marshall	Washington	Lisa K. Darnow	20.726
6	12	30.3	Marshall	Washington	Terry L. Darnow, et ux.	1.135
7	12	30.2	Marshall	Washington	EQT Aurora LLC	3.2
8	12	32	Marshall	Washington	Douglas Edward Gouldsbary, et ux.	95.45
9	12	33	Marshall	Washington	Henry T. Parsons Est. et al.	63.197
13	12	30.4	Marshall	Washington	EQT Aurora LLC	3.159
14	12	30.6	Marshall	Washington	EQT Aurora LLC	1
15	12	30.1	Marshall	Washington	Morgan L. Lachfield	9.736
16	12	30.5	Marshall	Washington	Morgan T. Lachfield	6.833
17	12	66	Marshall	Washington	Arnee N. Goodnight, et ux.	15.07
18	12	25	Marshall	Washington	Arnee N. Goodnight, et ux.	39
19	12	26	Marshall	Washington	State of West Virginia	9.13
20	12	27	Marshall	Washington	Edward David Huth, et ux.	9.56
21	12	28.1	Marshall	Washington	Edward David Huth, et ux.	0.17
22	12	28	Marshall	Washington	Tobias G. & Jessica D. Brown	9.56
23	12	24	Marshall	Washington	Danese L. & Christopher Starnes	67.536
24	12	67.3	Marshall	Washington	Branda J. Goodnight	0.76
25	12	67.7	Marshall	Washington	Branda J. Goodnight	0.2502
26	12	67.8	Marshall	Washington	Michael Martin Goodnight	0.5
27	12	67	Marshall	Washington	Julie Diane Road	10.925
80	13	2	Marshall	Washington	Todd & Dawn R. Kettler	94.005
91	9	36	Marshall	Washington	Beth A. & Robert G. Thomas	24.845
92	9	35	Marshall	Washington	Beth A. & Robert G. Thomas	11.5
93	9	34	Marshall	Washington	Beth A. & Robert G. Thomas	12.54
94	10	6	Marshall	Washington	James Stout, et al.	74.349
95	11	3.1	Marshall	Washington	Roger Delbert Brady	0.005
96	11	3.3	Marshall	Washington	Edward R. & Jana L. Richards	2.003
97	11	2	Marshall	Washington	Frances D. Turner, et ux.	34.655
98	11	2.1	Marshall	Washington	Frances D. Turner, et ux.	0.359
99	11	18.1	Marshall	Washington	Carl A. Cochran, et ux.	1.197
100	11	18.2	Marshall	Washington	Jody L. & Eric M. Wade	0.040
101	11	18	Marshall	Washington	Paul E. & Brent L. Shipley	40.728
102	11	1.2	Marshall	Washington	Robert Shilling, et al.	0.694
103	12	31.4	Marshall	Washington	Charles E. & Katie Ann Hoskins	5
104	12	31.1	Marshall	Washington	Howard L. & Sylvia L. Henry	4.159
105	12	31.2	Marshall	Washington	Christopher Bruce Hoskins	5
106	13	4	Marshall	Washington	Patricia Sue Hoskins	30
107	11	14	Marshall	Washington	Country Roads Properties LLC	94.543
108	11	6.1	Marshall	Washington	James Stout, et al.	6.44
109	11	14.1	Marshall	Washington	Bever Garbark	5.017
110	11	13	Marshall	Washington	Carlson L. McClain	38.78
111	13	8	Marshall	Washington	James J. Caveney, et ux.	88.157
112	11	15	Marshall	Washington	James J. Caveney, et ux.	19.775
113	13	7	Marshall	Washington	James J. Caveney, et ux.	32.86
114	11	11	Marshall	Washington	Lisa Finner & Jesse Pennington	51.655
115	11	11.3	Marshall	Washington	Danina W. & Donna Crow	39.64
116	13	10	Marshall	Washington	James J. Caveney, et ux.	75
117	13	11	Marshall	Washington	Danina W. & Donna Crow	37.694
118	13	11.1	Marshall	Washington	Ohio County Coal Resources Inc.	5.555
119	13	58	Marshall	Washington	Consolidation Coal Company	7.772
120	13	59	Marshall	Washington	Danion Coulter, et al.	17.373
121	13	15	Marshall	Washington	R. M. Corfield Family Trust	18.531
122	13	21	Marshall	Washington	Richard E. Vargo, et al.	30.4
123	13	21	Marshall	Washington	Todd & Dawn R. Kettler	97.125
124	13	59	Marshall	Washington	Zachary A. & Amber L. Stunell	6.4635
125	13	57	Marshall	Washington	Larry D. Kidd, et al.	9.2014
126	13	51	Marshall	Washington	Danion Coulter, et al.	0.3054
127	13	55	Marshall	Washington	Donald G. & Erin S. Rogerson	0.2653
128	13	54	Marshall	Washington	Donald G. & Erin S. Rogerson	0.100
129	13	6.1	Marshall	Cameroon	Donald G. & Erin S. Rogerson	0.469
130	1	6.2	Marshall	Cameroon	Donald G. Rogerson, Sr.	5
131	1	6	Marshall	Cameroon	Donald G. & Erin S. Rogerson	48.631
132	1	14.1	Marshall	Cameroon	Kenneth R. & Lori J. Cook	4.182
133	13	64	Marshall	Washington	Dennis W. Moberg, et ux.	15.707
134	1	7	Marshall	Cameroon	Richard P. Forshey	210.53
135	1	4	Marshall	Cameroon	Donald G. & Erin S. Rogerson	13.257
136	1	2	Marshall	Cameroon	Larry D. Kidd, et al.	25.67
137	1	1	Marshall	Cameroon	Thelma Gouldsbary Est.	36.692
138	1	3	Marshall	Cameroon	Richard P. Forshey	2.5
139	9	4	Marshall	Clay	Williams Ohio Valley Midstream, LLC	65.7
140	9	5	Marshall	Clay	Ronald A. Hill	91.775
141	9	19	Marshall	Clay	Mario E. Rotcher	89
142	9	20	Marshall	Clay	Clyde D. & Tracey R. Shriner	154.49
143	11	1.1	Marshall	Cameroon	Shari L. & Walter L. Braubogen	30.24
144	11	9.3	Marshall	Cameroon	Mark Steven Glasgow	22.39
145	11	1	Marshall	Cameroon	Louise R. Kiger, et ux.	0.43
146	1	9	Marshall	Cameroon	Alfred L. & Brenda F. Burns	2
147	1	9.5	Marshall	Cameroon	Howard M. & Kathryn M. Davidson	3.4053
148	1	9.1	Marshall	Cameroon	Mark T. & Ricklyn Roberts	59.133
149	1	13	Marshall	Cameroon	EQT Aurora LLC	101.16
150	1	11	Marshall	Cameroon	Garry R. Thomas	23.523
151	1	9.6	Marshall	Cameroon	Mark T. & Ricklyn Roberts	35.73
152	1	10	Marshall	Cameroon	Mark A. & Bridget M. Albert	2.041
153	11	13	Marshall	Cameroon	Michael S. Corley	0.39
154	11	14	Marshall	Cameroon	James M. Thomas, et ux.	0.361
155	11	15	Marshall	Cameroon	Patricia A. Littleton	0.431
156	11	16	Marshall	Cameroon	Frank M. Cayle, et ux.	0.404
157	11	17	Marshall	Cameroon	Joyce M. & Marvin K. Townsend	0.479
158	11	18	Marshall	Cameroon	Deborah L. Rush	0.569
159	11	19	Marshall	Cameroon	Harry S. & Ralyn S. Aston	0.564
160	11	20	Marshall	Cameroon	Harry S. & Ralyn S. Aston	0.525
161	9	44.1	Marshall	Washington	Bobby G. Baker, et ux.	0.616
162	9	44.3	Marshall	Washington	Ernest Grandstaff, Jr. Est.	0.461
163	9	44.4	Marshall	Washington	Bruce W. Baker, et ux.	0.553
164	9	44	Marshall	Washington	Oliver Family Trust	9.59
165	9	42	Marshall	Washington	Rudy Wade	8.75
166	9	43	Marshall	Washington	Roger T. & Sherrine L. Rush	10.78
167	9	41	Marshall	Washington	Roger T. & Sherrine L. Rush	0.69
168	9	40	Marshall	Washington	Roger T. & Sherrine L. Rush	0.49
169	9	39.1	Marshall	Washington	Millie Jane Thomas	0.53
170	13	5	Marshall	Washington	Todd & Dawn R. Kettler	33.717
171	13	5.1	Marshall	Washington	Tammy J. Watson	2.186
172	13	3	Marshall	Washington	Todd & Dawn R. Kettler	14.994
173	13	71	Marshall	Washington	David A. & Mercedes R. Fisher	1.05
174	13	43	Marshall	Washington	Q. & Imael Varasayoc	0.409
175	13	49	Marshall	Washington	Q. & Imael Varasayoc	0.0343
176	13	52	Marshall	Washington	Michael A. & Wendy S. Kelley	1.255
177	13	53	Marshall	Washington	Michael A. & Wendy S. Kelley	0.1593
178	1	5.3	Marshall	Cameroon	Michael A. & Wendy S. Kelley	4.952

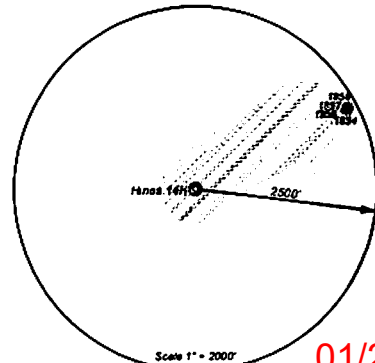


Notes
Hines 14H coordinates are:
NAD 27 N 514 458 94 E 1 663 323 10
NAD 83 UTM N 4 417 429 56 E 525 705 46
Hines 14H Landing Point coordinates are:
NAD 27 N 514 818 93 E 1 665 431 23
NAD 83 UTM N 4 417 528 96 E 526 287 97
Hines 14H Bottom Hole coordinates are:
NAD 27 N 439 335 81 E 1 672 114 53
NAD 83 UTM N 4 412 948 07 E 528 402 91
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
164356001	Shelby Hirscher	156.218
163427002	Gary D. Morrison, et al.	30
147451000	Jack David Simmons, Jr.	19.5
160855000	Jodi Lynn Harding, et al.	25
161752000	Olley L. Rine, Jr.	87.577
143682000	Patricia Sue Hoskins	115.515
155773000	Paul E. Shipley, et al.	42.937
147143000	Country Roads Properties LLC	89.56
157807000	James J. Caveney and Karen B. Caveney, et al.	215.792
165050000	Golden Eagle Resources II, LLC, et al.	90.842
162170000	RM Corfield Family Trust, dated April 30, 2015, et al.	18.631
146311016	Charles Richard Wilson, et al.	25.78
157835000	Donald G. Rogerson, Jr., et al.	18.83
152106000	Erin S. Rogerson, et al.	54.09
152614000	Richard P. Forshey	214.608
275504001	Samuel J. Hester, et al.	96.2316C
226486016	Constance L. Owen, et al.	134

Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
167	13	56	Marshall	Washington	Michael Kelley	0.253
168	1	9.4	Marshall	Cameroon	Gary L. Chambers	0.1275
169	1	9.2	Marshall	Cameroon	Gary L. Chambers	1.3887
190	11B	1.1	Marshall	Cameroon	William W. & Mona T. Briggs	0.501
191	11B	2	Marshall	Cameroon	Teresa A. Lusk-Masters	0.5
192	11B	3	Marshall	Cameroon	Mark T. Shonking, et ux.	0.467
193	11B	4	Marshall	Cameroon	Kathryn M. Woods	0.347
194	11B	5	Marshall	Cameroon	Jason W. & Brandi H. Schuster	0.555
195	11B	6	Marshall	Cameroon	John J. & Nicole D. Arnold	0.507
196	11B	9.5	Marshall	Cameroon	Kathryn M. Whispley	1
197	11B	7	Marshall	Cameroon	Nicola Group LLC	1.563
198	11B	8	Marshall	Cameroon	Michael Shaun Woods, et al.	1.705
199	11B	11	Marshall	Cameroon	Stephen M. Pyle, et ux.	0.456
200	11B	12	Marshall	Cameroon	William E. Niles, et ux.	0.383
201	11B	10	Marshall	Cameroon	Michael S. Woods	0.465
202	11	10	Marshall	Cameroon	Harry S. & Ralyn S. Aston	2.0009
203	11	11.1	Marshall	Cameroon	Ronald B. Oniel	11.651
204	11B	9	Marshall	Cameroon	George Martin	0.409
205	11A	38	Marshall	Cameroon	Dalton A. & Kala R. Smith	Lot 1
206	11A	39	Marshall	Cameroon	Ralph Morris, et ux.	Lot 2
207	11A	40	Marshall	Cameroon	Steven L. Glasgow	Lot 3
208	11A	41	Marshall	Cameroon	Raul Z. Alonzo	Lot 4
209	11	9.2	Marshall	Cameroon	Harry S. & Ralyn S. Aston	48.751
210	11A	13	Marshall	Cameroon	Shad D. Wilkstrom	0.242
211	11A	14	Marshall	Cameroon	Rogania Young	0.243
212	11A	15	Marshall	Cameroon	Roy & Carle L. Wells	0.262
213	11A	16	Marshall	Cameroon	Beryl & Teresa Morgan	0.32
214	11A	17	Marshall	Cameroon	Virgil R. Carroll Est.	0.431
215	11A	73	Marshall	Cameroon	Virgil R. Carroll Est.	1.279
216	11A	37	Marshall	Cameroon	Indya K. & Brannon M. Gogg	0.269
217	11A	36	Marshall	Cameroon	Emily & Tanagra McCarthy	Lot 31
218	11A	35	Marshall	Cameroon	George Martin, et ux.	Lot 30
219	11	9.1	Marshall	Cameroon	James T. Kearns	22.494
220	11	14	Marshall	Cameroon	John Bungard, Jr.	36.904
221	11	11	Marshall	Cameroon	Harry S. & Ralyn S. Aston	23.72
222	12	27.1	Marshall	Washington	Tobias G. & Jessica D. Brown	0.17
227	1	9.8	Marshall	Cameroon	Mark T. & Ricklyn Roberts	0.0348
228	1	9.7	Marshall	Cameroon	Mark T. & Ricklyn Roberts	1.47
229	1	9.3	Marshall	Cameroon	Gary L. Chambers	0.0569



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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	06/25/2025	23901	23750	48	Marcellus
3	06/25/2025	23721	23569	48	Marcellus
4	06/25/2025	23540	23389	48	Marcellus
5	06/28/2025	23360	23209	48	Marcellus
6	06/28/2025	23180	23028	48	Marcellus
7	06/28/2025	22999	22848	48	Marcellus
8	06/29/2025	22819	22668	48	Marcellus
9	06/29/2025	22639	22487	48	Marcellus
10	06/30/2025	22458	22307	48	Marcellus
11	06/30/2025	22278	22127	48	Marcellus
12	06/30/2025	22098	21947	48	Marcellus
13	07/01/2025	21918	21766	48	Marcellus
14	07/02/2025	21737	21586	48	Marcellus
15	07/02/2025	21557	21406	48	Marcellus
16	07/02/2025	21377	21225	48	Marcellus
17	07/03/2025	21196	21045	48	Marcellus
18	07/03/2025	21016	20865	48	Marcellus
19	07/03/2025	20836	20684	48	Marcellus
20	07/03/2025	20655	20504	48	Marcellus
21	07/04/2025	20475	20324	48	Marcellus
22	07/04/2025	20295	20144	48	Marcellus
23	07/05/2025	20115	19963	48	Marcellus
24	07/05/2025	19934	19783	48	Marcellus
25	07/05/2025	19754	19603	48	Marcellus
26	07/06/2025	19574	19422	48	Marcellus
27	07/07/2025	19393	19242	48	Marcellus
28	07/07/2025	19213	19062	48	Marcellus
29	07/07/2025	19033	18881	48	Marcellus
30	07/08/2025	18852	18701	48	Marcellus
31	07/08/2025	18672	18521	48	Marcellus
32	07/08/2025	18492	18341	48	Marcellus
33	07/09/2025	18312	18160	48	Marcellus
34	07/09/2025	18131	17980	48	Marcellus
35	07/09/2025	17951	17800	48	Marcellus
36	07/09/2025	17771	17619	48	Marcellus
37	07/10/2025	17590	17439	48	Marcellus
38	07/10/2025	17410	17259	48	Marcellus
39	07/10/2025	17230	17078	48	Marcellus
40	07/11/2025	17049	16898	48	Marcellus
41	07/11/2025	16869	16718	48	Marcellus
42	07/11/2025	16689	16538	48	Marcellus
43	07/11/2025	16509	16357	48	Marcellus
44	07/12/2025	16328	16177	48	Marcellus

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45	07/12/2025	16148	15997	48	Marcellus
46	07/13/2025	15968	15816	48	Marcellus
47	07/13/2025	15787	15636	48	Marcellus
48	07/13/2025	15607	15456	48	Marcellus
49	07/14/2025	15427	15275	48	Marcellus
50	07/14/2025	15246	15095	48	Marcellus
51	07/14/2025	15066	14915	48	Marcellus
52	07/15/2025	14886	14735	48	Marcellus
53	07/15/2025	14706	14554	48	Marcellus
54	07/15/2025	14525	14374	48	Marcellus
55	07/16/2025	14345	14194	48	Marcellus
56	07/16/2025	14165	14013	48	Marcellus
57	07/17/2025	13984	13833	48	Marcellus
58	07/17/2025	13804	13653	48	Marcellus
59	07/17/2025	13624	13472	48	Marcellus
60	07/18/2025	13443	13292	48	Marcellus
61	07/18/2025	13263	13112	48	Marcellus
62	07/18/2025	13083	12932	48	Marcellus
63	07/18/2025	12903	12751	48	Marcellus
64	07/18/2025	12722	12571	48	Marcellus
65	07/18/2025	12542	12391	48	Marcellus
66	07/19/2025	12362	12210	48	Marcellus
67	07/19/2025	12181	12030	48	Marcellus
68	07/19/2025	12001	11850	48	Marcellus
69	07/19/2025	11821	11669	48	Marcellus
70	07/19/2025	11640	11489	48	Marcellus
71	07/20/2025	11460	11309	48	Marcellus
72	07/20/2025	11280	11129	48	Marcellus
73	07/20/2025	11100	10948	48	Marcellus
74	07/20/2025	10919	10768	48	Marcellus
75	07/20/2025	10739	10588	48	Marcellus
76	07/21/2025	10559	10407	48	Marcellus
77	07/21/2025	10378	10227	48	Marcellus
78	07/21/2025	10198	10047	48	Marcellus
79	07/21/2025	10018	9866	48	Marcellus
80	07/21/2025	9837	9686	48	Marcellus
81	07/21/2025	9657	9506	48	Marcellus
82	07/22/2025	9477	9326	48	Marcellus
83	07/22/2025	9297	9145	48	Marcellus
84	07/22/2025	9116	8965	48	Marcellus
85	07/22/2025	8936	8785	48	Marcellus
86	07/22/2025	8756	8604	48	Marcellus
87	07/23/2025	8575	8424	48	Marcellus
88	07/23/2025	8395	8244	48	Marcellus
89	07/23/2025	8215	8063	48	Marcellus
90	07/23/2025	8034	7883	48	Marcellus
91	07/24/2025	7854	7703	48	Marcellus

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92	07/24/2025	7674	7523	48	Marcellus
93	07/24/2025	7494	7342	48	Marcellus
94	07/24/2025	7313	7162	48	Marcellus
95	07/25/2025	7133	6982	48	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	06/25/2025	70	8977	7971	3553	175907	4205.000	
2	06/25/2025	95	9179	6692	4510	450002	9411.000	
3	06/25/2025	96	9238	5522	5038	450019	9351.999	
4	06/26/2025	96	9232	5350	4463	450032	9400.000	
5	06/28/2025	97	9194	6334	5150	450003	9590.000	
6	06/28/2025	94	9238	6448	4577	449955	9484.000	
7	06/29/2025	97	9267	6807	4793	449988	9318.000	
8	06/29/2025	95	9104	6489	4505	449998	9394.000	
9	06/30/2025	98	9172	6621	6290	450066	9426.000	
10	06/30/2025	97	9200	6227	4603	450181	9413.000	
11	06/30/2025	93	9032	6397	4523	449996	9380.000	
12	07/01/2025	98	9046	5806	5321	449957	9404.000	
13	07/01/2025	98	9214	5886	4843	450181	9390.000	
14	07/02/2025	98	9180	6130	5177	450122	9234.000	
15	07/02/2025	97	9214	6585	5527	449995	9314.000	
16	07/02/2025	97	9157	6549	5125	450048	9397.000	
17	07/03/2025	98	9175	6185	4978	450052	9245.000	
18	07/03/2025	98	9118	6577	4631	450128	9205.000	
19	07/03/2025	99	9074	6121	4672	450117	9152.000	
20	07/04/2025	99	9129	6085	5239	450094	9127.000	
21	07/04/2025	98	9132	6408	4941	450069	9137.000	
22	07/05/2025	98	9234	6315	5078	450112	9153.000	
23	07/05/2025	99	9014	6295	4887	449999	9134.000	
24	07/05/2025	99	9122	6354	4888	448948	9152.000	
25	07/06/2025	99	9078	6211	6267	450014	8918.000	
26	07/06/2025	99	9188	6565	4848	450061	9178.000	
27	07/07/2025	99	8997	6510	4614	450071	9104.000	
28	07/07/2025	99	8896	6620	5225	450035	9044.000	
29	07/08/2025	99	9141	6003	4872	450211	9147.000	
30	07/08/2025	100	8940	6325	5875	450025	9101.000	
31	07/08/2025	100	8956	5927	5862	450034	9139.000	
32	07/09/2025	100	8932	6098	5258	450096	9118.000	
33	07/09/2025	100	8861	6381	5156	450010	9065.000	
34	07/09/2025	94	8270	6422	4646	449914	9070.000	
35	07/09/2025	100	9043	6552	4612	450044	9129.000	
36	07/10/2025	100	9041	5970	5211	450026	9178.000	
37	07/10/2025	100	8866	6170	4921	450062	8966.000	
38	07/10/2025	100	8858	6533	4779	449997	9070.000	
39	07/11/2025	98	8863	6410	7837	450061	9076.000	
40	07/11/2025	100	8905	7019	4779	450113	9048.000	
41	07/11/2025	98	9086	6340	5227	450100	9083.000	
42	07/11/2025	100	8894	5271	4838	449992	9069.000	
43	07/12/2025	100	8778	6268	4856	450029	9010.000	

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44	07/12/2025	99	8804	5864	4521	450072	9289.000
45	07/13/2025	100	8881	6558	4729	450059	9006.000
46	07/13/2025	100	8868	6501	4454	450061	9014.000
47	07/13/2025	100	8901	6702	5111	450097	9009.000
48	07/14/2025	100	8899	6857	4499	450114	9005.000
49	07/14/2025	99	8737	6775	4520	450183	9119.000
50	07/14/2025	100	8961	6548	4784	450106	9008.000
51	07/15/2025	100	8510	6518	4616	450170	8979.000
52	07/15/2025	100	8561	6502	4617	450000	9008.000
53	07/15/2025	100	8540	6348	4814	450074	8992.000
54	07/16/2025	100	8489	5892	4670	450013	9008.000
55	07/16/2025	99	8208	6244	4609	450089	9503.000
56	07/17/2025	94	8417	6602	4579	449953	8988.000
57	07/17/2025	101	8374	6393	5011	450129	8931.000
58	07/17/2025	100	8705	6349	4694	449988	9075.000
59	07/18/2025	100	8705	6181	5058	450083	8962.000
60	07/18/2025	96	8247	7043	4844	444359	8989.000
61	07/18/2025	100	8607	6479	4971	450162	8866.000
62	07/18/2025	100	8569	6464	4827	450004	8915.000
63	07/18/2025	100	8636	5850	4986	449850	8917.000
64	07/18/2025	100	8581	6172	4566	450036	8881.000
65	07/19/2025	100	8531	6079	4638	449999	8812.000
66	07/19/2025	100	8425	5790	4639	450137	8819.000
67	07/19/2025	100	8273	5827	4399	450048	9889.000
68	07/19/2025	100	8567	6047	4340	450061	8888.000
69	07/19/2025	100	8400	6244	4424	450101	8796.000
70	07/20/2025	99	8306	6160	4396	450031	8784.000
71	07/20/2025	100	8661	5721	4717	451791	8794.000
72	07/20/2025	100	8367	6635	4687	450046	8742.000
73	07/20/2025	100	8255	6421	4926	450119	8827.000
74	07/20/2025	100	7980	5873	4833	450009	8800.999
75	07/20/2025	100	8216	6427	4411	449938	8745.000
76	07/21/2025	100	8075	5852	4977	449956	8692.000
77	07/21/2025	100	8196	6160	4448	450209	8739.000
78	07/21/2025	100	8215	6302	4667	450000	8741.000
79	07/21/2025	99	8177	6464	5018	450073	8753.999
80	07/21/2025	100	7824	6292	4469	450082	8769.000
81	07/22/2025	100	8017	6151	4795	450037	8728.000
82	07/22/2025	100	7764	6353	4515	450009	8714.000
83	07/22/2025	100	7778	6236	4504	450116	8745.000
84	07/22/2025	100	7637	6107	4614	450061	8646.000
85	07/22/2025	100	7854	6189	4617	449966	8712.000
86	07/23/2025	100	7770	6257	4553	450022	8721.000
87	07/23/2025	100	7948	6108	4560	450051	8709.000
88	07/23/2025	100	7962	6397	4976	450106	8710.000
89	07/23/2025	97	7608	6400	4683	450033	8760.000
90	07/24/2025	100	7866	5726	4604	450004	8641.000

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91	07/24/2025	100	7479	5860	4888	450146	8756.000
92	07/24/2025	100	7350	6046	4943	450083	8752.000
93	07/24/2025	100	7709	6452	4571	450036	8730.000
94	07/24/2025	100	7401	5864	4679	450058	8749.000
95	07/25/2025	100	7353	6401	5162	451773	8711.000

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	05/30/2025
Job End Date:	07/25/2025
State:	West Virginia
County:	Marshall
API Number:	47-051-02159-00-00
Operator Name:	EQT Production
Well Name and Number:	Hines A 14H
Latitude:	39.90638
Longitude:	-80.699233
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6500
Total Base Water Volume (gal)*:	35816340.13
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	72.55917	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	27.32689	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	40.00000	0.01008	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	40.00000	0.01008	None
Clearal 268	ChemStream, Inc.	Biocide					

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			Water	7732-18-5	80.00000	0.00731	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			Water	7732-18-5	15.00000	0.00142	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Acid					
			FLUID-Acid-00001	Proprietary	20.00000	0.00127	None
Clearal 268	ChemStream, Inc.	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00046	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Acid					
			FLUID-Amine-00001	Proprietary	10.00000	0.00032	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			ETHOXYLATED ALCOHOLS (C12-16)	68551-12-2	5.00000	0.00016	None
StimSTREAM SC-398	ChemStream, Inc.	Scale Inhibitor					
			AA/ATBS Co-polymer	9003-05-8	5.00000	0.00002	None
Clearal 268	ChemStream, Inc.	Biocide					
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00001	None
Clearal 268	ChemStream, Inc.	Biocide					
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00001	None
Clearal 268	ChemStream, Inc.	Biocide					
			Ethanol	64-17-5	1.50000	0.00000	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%

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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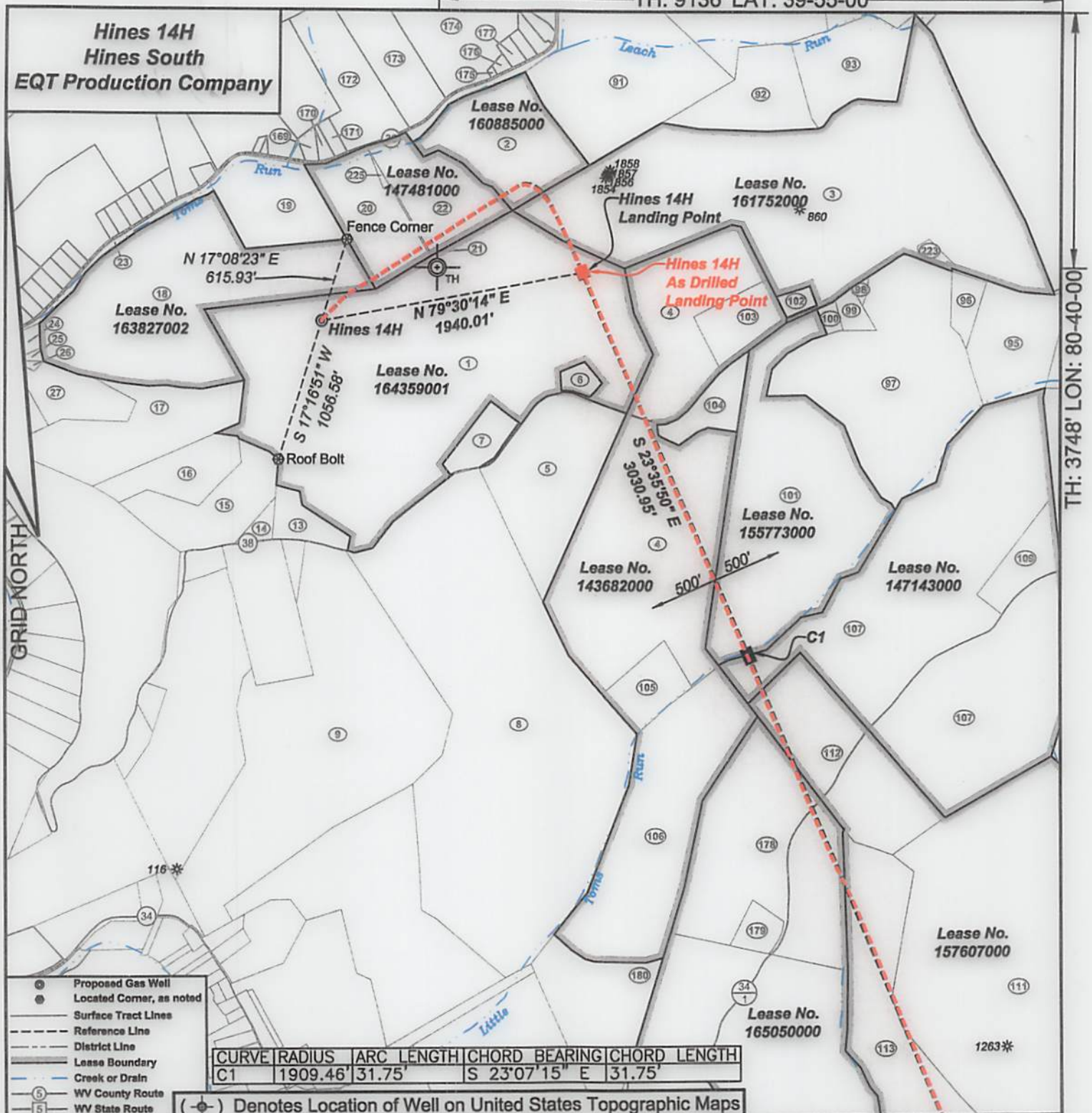
As-Drilled

TH: 9136' LAT: 39-55-00

Hines 14H
Hines South
EQT Production Company

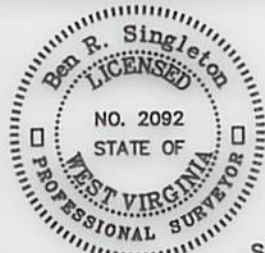
GRID NORTH

TH: 3748' LON: 80-40-00



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: 17-22
DRAWING NO: Hines 14H
SCALE: 1" = 1000'
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: May 20 20 25
OPERATOR'S WELL NO.: Hines 14H
API WELL NO
47 - 051 - 02159
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: 1125' WATERSHED Middle Grave Creek QUADRANGLE: Moundsville
DISTRICT: Washington COUNTY: Marshall
SURFACE OWNER: Shelby Hinterer ACREAGE: 94.658
ROYALTY OWNER: Shelby Hinterer LEASE NO: 164359001 ACREAGE: 156.218
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: 6312'

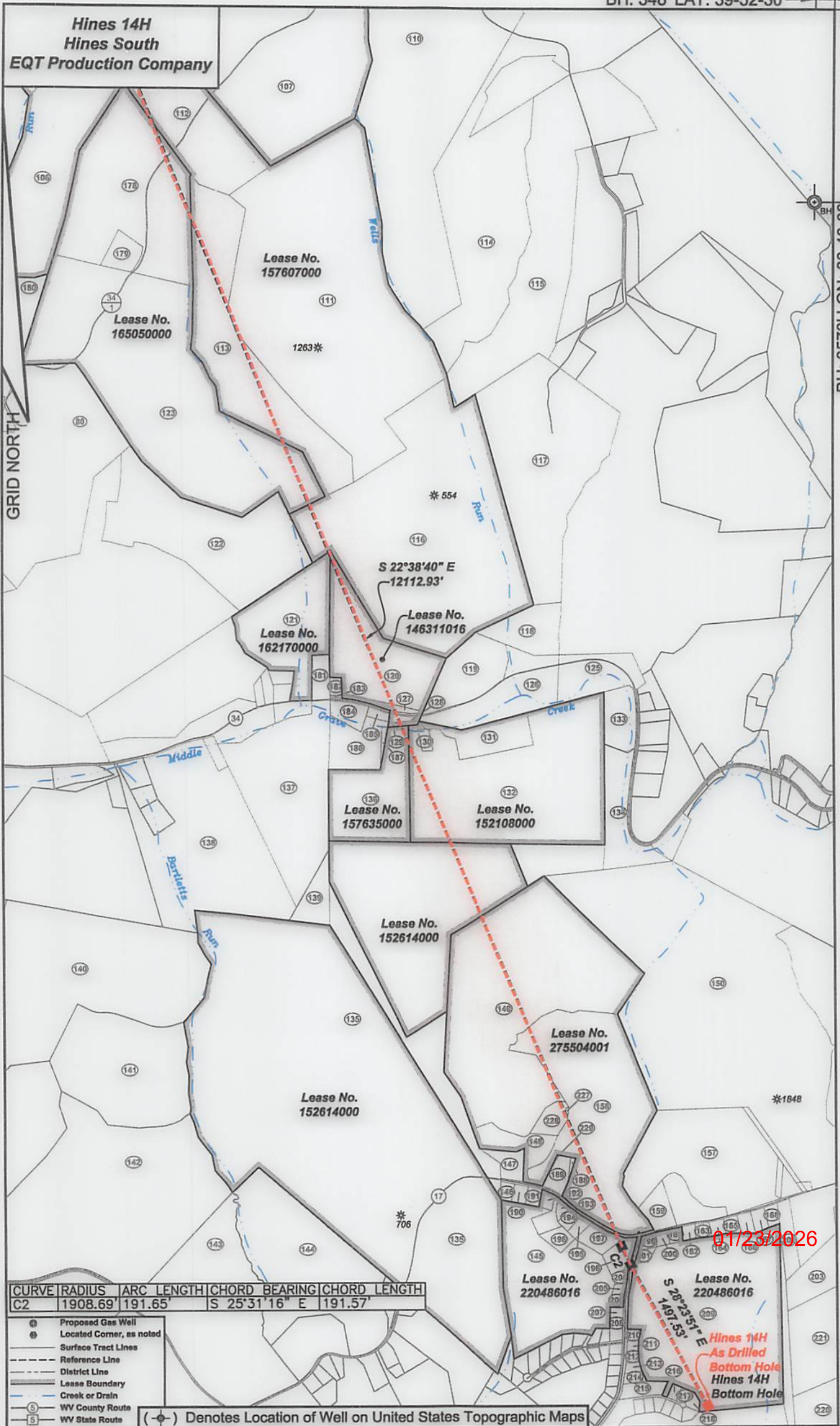
WELL OPERATOR: EQT CHAP LLC DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

As-Drilled

BH: 348' LAT: 39-52-30

Hines 14H
Hines South
EQT Production Company

BH: 3578' LON: 80-40-00



CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C2	1908.69'	191.65'	S 25°31'16" E	191.57'

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

(+) Denotes Location of Well on United States Topographic Maps

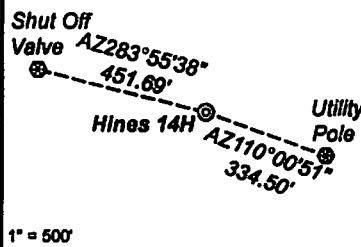
01/23/2026

Hines 14H
As Drilled
Bottom Hole
Hines 14H
Bottom Hole

Hines 14H Hines South EQT Production Company

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	12	30	Marshall	Washington	Shelby Wood HINTER	94.658
2	12	29	Marshall	Washington	Kevin Porter	25
3	11	1	Marshall	Washington	Okay L. Rine, Jr.	87.577
4	12	31	Marshall	Washington	Patricia Sue Hoskins	68.342
5	12	30.7	Marshall	Washington	Lisa K. Darrow	20.276
6	12	30.3	Marshall	Washington	Tony L. Darrow, et ux.	1.135
7	12	30.2	Marshall	Washington	EDT Aurora LLC	3.2
8	12	32	Marshall	Washington	Douglas Edward Gouldsbury, et ux.	95.45
9	12	33	Marshall	Washington	Henry T. Parsons Est, et al.	63.197
13	12	30.4	Marshall	Washington	EDT Aurora LLC	3.159
14	12	30.6	Marshall	Washington	EDT Aurora LLC	1
15	12	30.1	Marshall	Washington	Morgan Locofield	9.739
16	12	30.5	Marshall	Washington	Morgan T. Locofield	6.836
17	12	66	Marshall	Washington	Arrie N. Goodnight, et ux.	15.07
18	12	25	Marshall	Washington	Arrie N. Goodnight, et ux.	39
19	12	26	Marshall	Washington	State of West Virginia	9.18
20	12	27	Marshall	Washington	Edward David Knuth, et ux.	9.58
21	12	28.1	Marshall	Washington	Edward David Knuth, et ux.	0.17
22	12	28	Marshall	Washington	Tobias G. & Jessica D. Brown	0.58
23	12	24	Marshall	Washington	Danise L. & Christopher Szamehorn	67.523
24	12	67.3	Marshall	Washington	Brenda J. Goodnight	0.75
25	12	67.7	Marshall	Washington	Brenda J. Goodnight	0.2592
26	12	67.8	Marshall	Washington	Michael Marvin Goodnight	0.5
27	12	67	Marshall	Washington	Julie Diane Reed	10.925
80	13	2	Marshall	Washington	Todd & Dawn R. Kettler	84.805
91	9	36	Marshall	Washington	Beth A. & Robert G. Thomas	24.849
92	9	35	Marshall	Washington	Beth A. & Robert G. Thomas	11.5
93	9	34	Marshall	Washington	Beth A. & Robert G. Thomas	12.54
94	10	6	Marshall	Washington	James Sburt, et al.	74.349
95	11	3.1	Marshall	Washington	Roger Dalton Brady	8.955
96	11	3.3	Marshall	Washington	Edward R. & Jane L. Richards	2.033
97	11	2	Marshall	Washington	Francis D. Turner, et ux.	34.685
98	11	2.1	Marshall	Washington	Francis D. Turner, et ux.	0.359
99	11	18.1	Marshall	Washington	Carl A. Cochran, et ux.	1.197
100	11	18.2	Marshall	Washington	Jody L. & Eric M. Wade	0.843
101	11	18	Marshall	Washington	Paul E. & Brent L. Shipley	40.728
102	11	1.2	Marshall	Washington	Robert Stillings, et al.	0.894
103	12	31.4	Marshall	Washington	Charles E. & Katie Ann Hoskins	5
104	12	31.1	Marshall	Washington	Howard L. & Sylvia L. Henry	4.158
105	12	31.2	Marshall	Washington	Christopher Brice Hoskins	5
106	13	4	Marshall	Washington	Patricia Sue Hoskins	30
107	11	14	Marshall	Washington	Country Roads Properties LLC	84.543
108	11	6.1	Marshall	Washington	James Sburt, et al.	6.44
109	11	14.1	Marshall	Washington	Benor Garbark	5.017
110	11	13	Marshall	Washington	Colleen L. McCain	88.78
111	13	8	Marshall	Washington	James J. Cavenoy, et ux.	88.157
112	11	15	Marshall	Washington	James J. Cavenoy, et ux.	19.775
113	13	7	Marshall	Washington	James J. Cavenoy, et ux.	32.88
114	11	11	Marshall	Washington	Lisa Penner & Jesse Pennington	51.655
115	11	11.3	Marshall	Washington	Dennis W. & Donna Crow	39.64
116	13	10	Marshall	Washington	James J. Cavenoy, et ux.	75
117	13	11	Marshall	Washington	Dennis W. & Donna Crow	37.894
118	13	11.1	Marshall	Washington	Ohio County Coal Resources Inc.	5.593
119	13	58	Marshall	Washington	Consolidation Coal Company	7.732
120	13	50	Marshall	Washington	Dalton Couter, et al.	17.373
121	13	15	Marshall	Washington	R. M. Coffield Family Trust	18.631
122	13	21	Marshall	Washington	Richard E. Vargo, et al.	30.4
123	13	6	Marshall	Washington	Todd & Dawn R. Kettler	57.125
125	13	59	Marshall	Washington	Zachary A. & Amber L. Sturzel	8.4988
126	13	57	Marshall	Washington	Larry D. Kidd, et al.	9.9014
127	13	51	Marshall	Washington	Dalton Couter, et al.	0.8054
128	13	55	Marshall	Washington	Donald G. & Erin S. Rogerson	0.2953
129	13	54	Marshall	Washington	Donald G. & Erin S. Rogerson	0.109
130	1	6.1	Marshall	Cameron	Donald G. & Erin S. Rogerson	0.459
131	1	6.2	Marshall	Cameron	Donald G. Rogerson, Sr.	5
132	1	6	Marshall	Cameron	Donald G. & Erin S. Rogerson	48.631
133	1	14.1	Marshall	Cameron	Kenneth R. & Lori J. Cook	4.182
134	13	64	Marshall	Washington	Dennis W. Mager, et ux.	15.707
135	1	7	Marshall	Cameron	Richard P. Forshey	210.88
136	1	4	Marshall	Cameron	Donald G. & Erin S. Rogerson	19.267
137	1	2	Marshall	Cameron	Larry D. Kidd, et al.	25.67
138	1	1	Marshall	Cameron	Thelma Gouldsbury Est	39.092
139	1	3	Marshall	Cameron	Richard P. Forshey	2.5
140	9	4	Marshall	Oay	Williams Ohio Valley Midstream, LLC	65.7
141	9	5	Marshall	Oay	Ronald A. Hill	91.775
142	9	19	Marshall	Oay	Marlene E. Fletcher	88
143	9	20	Marshall	Oay	Clyde D. & Tracey R. Shriner	154.49
144	11	1.1	Marshall	Cameron	Shari L. & Walter L. Braufsgam	30.24
145	11	9.3	Marshall	Cameron	Mark Steven Glasgow	22.38
146	11B	1	Marshall	Cameron	Lorrie R. Nger, et ux.	0.43
147	1	9	Marshall	Cameron	Alfred L. & Belinda F. Burns	2
148	1	9.5	Marshall	Cameron	Howard M. & Katelynn M. Davidson	3.4953
149	1	9.1	Marshall	Cameron	Mark T. & Riddyn Roberts	58.133
150	1	13	Marshall	Cameron	EDT Aurora LLC	101.18
151	1	11	Marshall	Cameron	Garry R. Thomas	23.823
152	1	9.8	Marshall	Cameron	Mark T. & Riddyn Roberts	35.73
153	1	10	Marshall	Cameron	Mark A. & Bridget M. Albert	2.041
154	11B	13	Marshall	Cameron	Michael S. Corley	0.39
155	11B	14	Marshall	Cameron	James M. Thomas, et ux.	0.391
156	11B	15	Marshall	Cameron	Patricia A. Liffeton	0.431
157	11B	16	Marshall	Cameron	Frank M. Gayda, et ux.	0.404
158	11B	17	Marshall	Cameron	Joyce M. & Marvin K. Townsend	0.479
159	11B	18	Marshall	Cameron	Dorothy L. Rush	0.559
160	11B	19	Marshall	Cameron	Harry S. & Riddyn S. Aston	0.594
161	11B	20	Marshall	Cameron	Harry S. & Riddyn S. Aston	0.505
162	9	44.1	Marshall	Washington	Bobby G. Baker, et ux.	0.618
163	9	44.3	Marshall	Washington	Birmer Grandstaff, Jr. Est	0.481
164	9	44.4	Marshall	Washington	Bruce W. Baker, et ux.	0.506
165	9	44	Marshall	Washington	Oliver Family Trust	9.58
166	9	42	Marshall	Washington	Rusty Wade	8.75
167	9	43	Marshall	Washington	Roger T. & Brianna L. Rush	10.75
168	9	41	Marshall	Washington	Roger T. & Brianna L. Rush	0.69
169	9	40	Marshall	Washington	Roger T. & Brianna L. Rush	0.49
170	9	39.1	Marshall	Washington	Millie Jane Thomas	0.58
171	13	5	Marshall	Washington	Todd & Dawn R. Kettler	33.717
172	13	5.1	Marshall	Washington	Tammy J. Watson	2.195
173	13	3	Marshall	Washington	Todd & Dawn R. Kettler	14.994
174	13	71	Marshall	Washington	Daniel A. & McLeod R. Rader	1.68
175	13	48	Marshall	Washington	Oy & Israel Vansoyoc	0.409
176	13	49	Marshall	Washington	Oy & Israel Vansoyoc	0.0948
177	13	52	Marshall	Washington	Michael A. & Wendy S. Kelley	1.298
178	13	53	Marshall	Washington	Michael A. & Wendy S. Kelley	0.1996
179	1	5.3	Marshall	Cameron	Michael A. & Wendy S. Kelley	4.982

Well References



Notes:

Hines 14H coordinates are
NAD 27 N: 514,458.94 E: 1,663,523.10
NAD 83 UTM N: 4,417,409.56 E: 525,708.46
Hines 14H Landing Point coordinates are
NAD 27 N: 514,819.95 E: 1,665,431.23
NAD 83 UTM N: 4,417,528.98 E: 528,287.97
Hines 14H Bottom Hole coordinates are
NAD 27 N: 489,335.81 E: 1,872,114.59
NAD 83 UTM N: 4,412,848.07 E: 528,402.91
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.

Hines South

Hines 1H	Hines 14H
Hines 2H	Hines 13H
Hines 3H	Hines 12H
Hines 4H	Hines 11H
Hines 5H	Hines 10H
Hines 6H	Hines 9H
Hines 7H	Hines 8H
	Hines 18H
	Hines 19H
	Hines 20H
	Hines 21H

Lease No.	Owner	Acres
194359001	Shelby HINTER	156.218
163827002	Gary D. Morrison, et al.	39
147481000	Jack David Simmons, Jr.	19.5
160885000	Jodi Lynn Harding, et al.	25
181752000	Okay L. Rine, Jr.	87.577
143882000	Patricia Sue Hoskins	115.515
155773000	Paul E. Shipley, et al.	42.937
147143000	Country Roads Properties, LLC	89.56
157607000	James J. Cavenoy and Karen B. Cavenoy, et al.	215.792
185050000	Golden Eagle Resources II, LLC, et al.	60.842
182170000	RM Coffield Family Trust, dated April 30, 2015, et al.	18.631
146311016	Charles Richard Wilson, et al.	25.78
157835000	Donald G. Rogerson, Jr., et al.	19.83
152108000	Erin S. Rogerson, et al.	54.09
152614000	Richard P. Forshey	214.608
275504001	Samuel J. Heater, et al.	98.23160
220486016	Constance L. Owen, et al.	134

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
187	13	58	Marshall	Washington	Michael Kelley	0.253
188	1	9.4	Marshall	Cameron	Gary L. Chambers	0.1275
189	1	9.2	Marshall	Cameron	Gary L. Chambers	1.3887
190	11B	1.1	Marshall	Cameron	William W. & Maria T. Briggs	0.501
191	11B	2	Marshall	Cameron	Teresa A. LeMasters	0.5
192	11B	3	Marshall	Cameron	Mark T. Soneking, et ux.	0.457
193	11B	4	Marshall	Cameron	Kathryn M. Woods	0.347
194	11B	5	Marshall	Cameron	Jason W. & Brandy H. Schafer	0.555
195	11B	6	Marshall	Cameron	John J. & Nicole D. Arnold	0.507
196	11B	8.5	Marshall	Cameron	Kathryn M. Whitley	1
197	11B	7	Marshall	Cameron	Nicola Group LLC	1.553
198	11B	8	Marshall	Cameron	Michael Shaun Woods, et al.	1.705
199	11B	11	Marshall	Cameron	Stephen M. Fye, et ux.	0.495
200	11B	12	Marshall	Cameron	William E. Nica, et ux.	0.383
201	11B	10	Marshall	Cameron	Michael S. Woods	0.488
202	11	10	Marshall	Cameron	Harry S. & Riddyn S. Aston	2.0889
203	11	11.1	Marshall	Cameron	Ronald B. Onell	11.851
204	11B	9	Marshall	Cameron	George Martin	0.409
205	11A	38	Marshall	Cameron	Dalton A. & Kala R. Smith	Lot 1
206	11A	39	Marshall	Cameron	Ralph Morris, et ux.	Lot 2
207	11A	40	Marshall	Cameron	Steven L. Glasgow	Lot 3
208	11A	41	Marshall	Cameron	Paul Z. Alonzo	Lot 4
209	11	9.2	Marshall	Cameron	Harry S. & Riddyn S. Aston	48.751
210	11A	13	Marshall	Cameron	Sheed D. Wilhelm	0.242
211	11A	14	Marshall	Cameron	Ragania Young	0.243
212	11A	15	Marshall	Cameron	Roy & Carla L. Wills	0.262
213	11A	16	Marshall	Cameron	Beryl & Teresa Morgan	0.32
214	11A	17	Marshall	Cameron	Virgil R. Carroll Est	0.431
215	11A	73	Marshall	Cameron	Virgil R. Carroll Est	1.278
216	11A	37	Marshall	Cameron	Indya K. & Brannen M. Oegg	0.289
217	11A	36	Marshall	Cameron	Emily & Tanagra McCarthy	Lot 31
218	11A	35	Marshall	Cameron	George Martin, et ux.	Lot 30
219	11	9.1	Marshall	Cameron	James T. Keams	22.484
220	11	14	Marshall	Cameron	John Bungard, Jr.	38.904
221	11	11	Marshall	Cameron	Harry S. & Riddyn S. Aston	23.72
225	12	27.1	Marshall	Washington	Tobias G. & Jessica D. Brown	0.17
227	1	9.8	Marshall	Cameron	Mark T. & Riddyn Roberts	0.0348
228	1	9.7	Marshall	Cameron	as & Marilyn Roberts Irrevocabl	1.47
229	1	9.3	Marshall	Cameron	Gary L. Chambers	0.0558

