

Well Operator's Report of Well Work



Well Number: Hines A M12H (L016547)

API: 47 - 051 - 02084

Submission: ☒ Initial ☐ Amended

Notes:

RECEIVED
Office Of Oil and Gas

NOV 6 2025

WV Department of
Environmental Protection

01/23/2026

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

NOV 6 2025

WV Department of
Environmental Protection

API 47 - 051 - 02084 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 M12H (L016547)
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 4,417,400.51 Easting 525,708.26
Landing Point of Curve Northing 4,416,997.66 Easting 525,042.09
Bottom Hole Northing 4,415,308.15 Easting 525,943.08

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 13.07 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 10/04/2018 Date drilling commenced 03/22/2019 Date drilling ceased 04/20/2025
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:


01/23/2026

API 47-051 - 02084

Farm name Donald Hines et UX

Well number Hines A M12H (L016547)

CASING STRINGS	Hole Size	Casing Size	Depth (GL.)	New or Used	Grade wt/lb	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"	454'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2045'	NEW	L-80 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	5-1/2"	13,744'	NEW	P-110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details

Production cmt has calculated TOC of 925'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	727	15.6	1.19	865	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2570	15.0	1.19	3058	925'	8+
Tubing							

Drillers TD (ft) 13,759'

Loggers TD (ft) N/A

Deepest formation penetrated MARCELLUS

Plug back to (ft) N/A

Plug back procedure N/A

RECEIVED
Office Of Oil and Gas
NOV 6 2025

Kick off depth (ft) 490'

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 7606', EVERY JOINT TO 5830', EVERY OTHER JOINT TO 1409'

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

API 47-051 - 02084 Farm name Donald Hines et UX Well number Hines A M12H (L016547)

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

NOV 6 2025
U.S. Department of
Environmental Protection

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

01/23/2026

API 47- 051 - 02084 Farm name Donald Hines et UX Well number Hines A M12H (L016547)

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 2537 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 2265 mcfpd Oil 459 bpd NGL 0 bpd Water 257 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		
					RECEIVED
					Office of Oil and Gas
					NOV 6 2025
					WV Department of Environmental Protection

Please insert additional pages as applicable.

Drilling Contractor Patterson UTI (294)

Address 207 Carlton Drive City Eighty Four State PA Zip 15330

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company Halliburton

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

Cementing
Company _____
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Jacob Caplan Telephone +14122152723
Signature [Signature] Title Director Completions Date 2025-10-28

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

01/23/2026

API 47- 051 - 02084 Farm name Donald Hines et UX Well number Hines A M12H (L016547)

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 _____

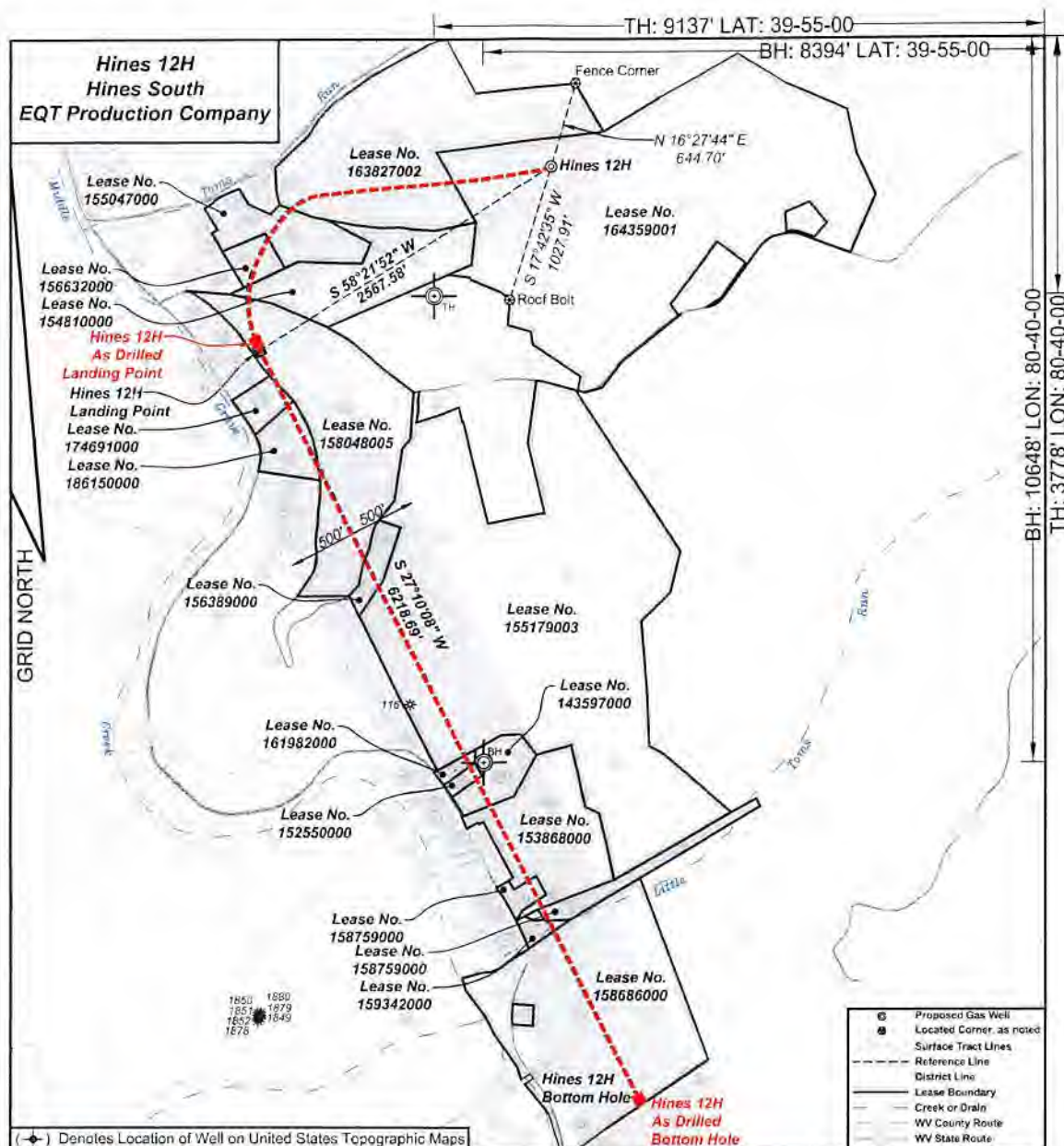
RECEIVED
Office Of Oil and Gas
NOV 6 2025
WV Department of
Environmental Protection

01/23/2026

Well # Hines A M12H Final Formations API# 47-051-02084				
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	1,826
Burgoon	1,830	1,826	1,983	1,978
Sand/Shale	1,983	1,978	2,197	2,191
Berea	2,197	2,191	2,218	2,211
Sand/Shale	2,218	2,211	2,454	2,442
Gordon	2,454	2,442	2,529	2,514
Sand/Shale	2,529	2,514	4,976	4,672
Elk	4,976	4,672	4,977	4,673
Sand/Shale	4,977	4,673	5,637	5,253
Rhinestreet	5,637	5,253	6,471	5,933
Sonyea	6,471	5,933	6,634	6,031
Middlesex	6,634	6,031	6,687	6,059
Genesee	6,687	6,059	6,793	6,108
Geneseo	6,793	6,108	6,847	6,130
Tully	6,847	6,130	6,931	6,159
Hamilton	6,931	6,159	7,199	6,234
Marcellus	7,199	6,234	13,759	6,336

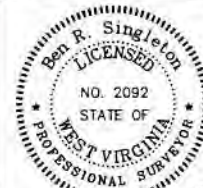
RECEIVED
 Office Of Oil and Gas
 NOV 6 2025
 WV Department of
 Environmental Protection

01/23/2026



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 12H
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 21, 2025

OPERATOR'S WELL NO.: Hines 12H

API WELL NO
47 - 051 - 02084
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'

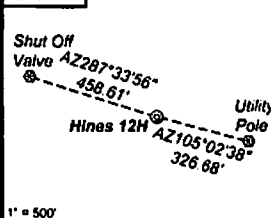
WELL OPERATOR: EQT CHAP LLC DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

01/23/2026

Hines 12H Hines South EQT Production Company

Tract ID	Text Map No	Parcel No	County	District	Surface Tract Owner	Acres
1	12	30	Marshall	Washington	Shelby Wood Hinciner	94.659
2	12	29	Marshall	Washington	Kevin Porter	25
3	11	1	Marshall	Washington	Clay L. Rine, Jr.	87.477
4	12	31	Marshall	Washington	Patricia Sue Hinkins	68.342
5	12	30.7	Marshall	Washington	Lisa K. Dorow	20.278
6	12	30.3	Marshall	Washington	Terry L. Dorow, 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, et al	63.197
10	12	45	Marshall	Washington	Henry T. Parsons, et al	26.505
11	12	33.2	Marshall	Washington	Darlene L. Boston - Life	10.027
12	12	45.1	Marshall	Washington	Morgan T. & Pamela M. Loeferfeld	1.309
13	12	30.4	Marshall	Washington	EDT Aurora LLC	3.159
14	12	30.5	Marshall	Washington	EDT Aurora LLC	1
15	12	30.1	Marshall	Washington	Morgan Loeferfeld	9.738
16	12	30.5	Marshall	Washington	Morgan T. Loeferfeld	6.806
17	12	65	Marshall	Washington	Arnie N. Goodnight, et ux	15.07
18	12	25	Marshall	Washington	Arnie N. Goodnight, et ux	39
19	12	28	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	9.58
23	12	24	Marshall	Washington	Danise L. & Christopher Starnholm	67.526
24	12	67.3	Marshall	Washington	Brenda J. Goodnight	0.75
25	12	67.7	Marshall	Washington	Brenda J. Goodnight	0.2502
26	12	67.8	Marshall	Washington	Michael Marvin Goodnight	0.5
27	12	67	Marshall	Washington	Jillie Diane Reed	10.925
28	12	67.5	Marshall	Washington	Arlene J. Goodnight	2.344
29	12	67.2	Marshall	Washington	Arnie N. & Bobbie B. Goodnight	0.397
30	12	67.6	Marshall	Washington	Phyllis C. Hartley Est	0.6574
31	12	67.4	Marshall	Washington	Arnie or Bobbie Goodnight	0.579
32	12	68	Marshall	Washington	Morgan Family Revocable Trust	0.869
33	12	67.1	Marshall	Washington	Arnie N. & Bobbie B. Goodnight	1.591
34	12	64.1	Marshall	Washington	Clay James Marcar	2
35	12	64.2	Marshall	Washington	Karon M. Polley	1
36	12	64.3	Marshall	Washington	Ernest R. & Nancy Sue Nice	0.547
37	12	64.4	Marshall	Washington	Randall L. Bree, et ux	0.748
38	12	64.5	Marshall	Washington	Randall L. Bree, et ux	0.745
39	12	64.6	Marshall	Washington	Michael Lee Jenkins, et ux	1.3058
40	12	64.8	Marshall	Washington	John M. Schneider, et al	2.334
41	3	51	Marshall	Clay	Dorina M. Logsdon Family Trust	32.699
42	12	64.9	Marshall	Washington	Billy J. & Misty L. Kennedy	1.9708
43	12	65	Marshall	Washington	Sylvia Van Slyoc	20
44	12	64.10	Marshall	Washington	Billy J. & Misty L. Kennedy	2.1871
45	12	64.13	Marshall	Washington	Victor A. Caldwell	1.977
46	12	64.11	Marshall	Washington	Victor A. Caldwell	1.933
47	12	64	Marshall	Washington	Kenneth Gray, et ux	2.23
48	12	64.14	Marshall	Washington	Kenneth Gray, Jr	2.357
49	12	64.12	Marshall	Washington	Victoria L. & Kenneth Gray	2.781
50	12	63	Marshall	Washington	Mark G. Stout, et ux	12.323
51	12	63.7	Marshall	Washington	Kerth E. Vancycoc	1.494
52	12	48	Marshall	Washington	Kerth E. Vancycoc	41.531
53	12	47	Marshall	Washington	Sylvia Van Slyoc	1.01
54	12	46	Marshall	Washington	Sylvia Van Slyoc	1.228
55	12	44	Marshall	Washington	Nile L. Wilts	1.945
56	12	41.1	Marshall	Washington	James G. & Barbara Updgraff	0.309
57	12	41.2	Marshall	Washington	Frederick S. Wilkinson	0.571
58	12	37.1	Marshall	Washington	Rhdney L. Ott, et ux	0.743
59	12	40.1	Marshall	Washington	Fred W. & Fred S. Wilkinson	0.403
60	12	37.2	Marshall	Washington	Rhdney L. Ott, et ux	0.66
61	12	40	Marshall	Washington	Sharon Heath & Fred W. Wilkinson	0.713
62	12	40.2	Marshall	Washington	Sharon Heath & Fred W. Wilkinson	0.597
63	12	37	Marshall	Washington	Kevin W. & Rebecca Rogers	3.617
64	12	34	Marshall	Washington	Henry T. Parsons Est, et al	31.94
65	12	35	Marshall	Washington	Carol S. Croft-Onell	16.307
66	12	38	Marshall	Washington	Grave Creek Church of God Tls	0.3
67	13	35	Marshall	Washington	Grave Creek Church of God Tls	0.33
68	12	35.2	Marshall	Washington	Carol S. & Warren W. Onel	1.088
69	12	35.5	Marshall	Washington	Carol S. & Warren W. Onel	0.433
70	12	35.1	Marshall	Washington	Richard C. & Carla V. Yoho	0.353
71	12	35.3	Marshall	Washington	Richard C. & Carla V. Yoho	0.982
72	13	43	Marshall	Washington	Michael E. & Donna D. Richards	0.801
73	13	34	Marshall	Washington	Michael S. Gomersley, et ux	0.431
74	13	33	Marshall	Washington	Larry D. Lilley, et ux	0.562
75	13	32	Marshall	Washington	Shawn M. & Charly J. Carroll	0.469
76	13	41.2	Marshall	Washington	Richard L. & Darlene K. Martin	0.181
77	13	41.1	Marshall	Washington	Richard L. & Darlene K. Martin	0.955
78	13	42	Marshall	Washington	Richard C. & Carla V. Yoho	1.488
79	13	41	Marshall	Washington	Richard C. & Carla V. Yoho	5.299
80	13	2	Marshall	Washington	Todd & Dawn R. Kettler	94.808
81	13	28	Marshall	Washington	Jennifer Welch	44.189
82	13	28.1	Marshall	Washington	Jennifer Welch	0.273
83	13	28.3	Marshall	Washington	Marisa Roe Lucas	3.482
84	4	63	Marshall	Clay	Harley & Lee Ann South	53.564
85	4	63.2	Marshall	Clay	Harley & Lee Ann South	0.776
86	4	63.1	Marshall	Clay	Jacqueline Lynn Young	0.61
87	4	68	Marshall	Clay	Wayne Eugene Young	26.16
88	13	47	Marshall	Washington	Stephen P. Rich	0.291
89	13	24	Marshall	Washington	Stephen P. Rich	0.75
90	13	22	Marshall	Washington	Edlyn Ruth Johnson	23.82
228	13	28.4	Marshall	Washington	Harley & Lee Ann South	0.07

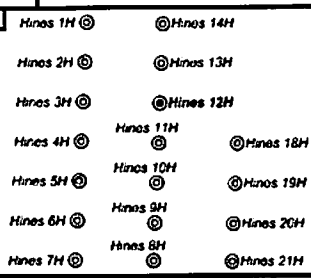
Well Reference



As United Well Information

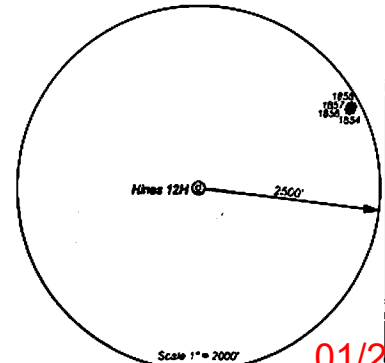
Hines 12H coordinates are
 NAD 27 N: 514,429.25 E: 1,663,521.02
 NAD 83 UTM N: 4,417,400.51 E: 525,708.26
 Hines 12H Landline Point coordinates are
 NAD 27 N: 513,143.87 E: 1,661,313.88
 NAD 83 UTM N: 4,416,997.66 E: 525,042.09
 Hines 12H Bottom Hole coordinates are
 NAD 27 N: 507,550.25 E: 1,664,177.60
 NAD 83 UTM N: 4,415,306.15 E: 525,943.08
 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 Motors.

Hines South



Lease No.	Owner	Acres
184359001	Shelby Hinciner	156.218
183827002	Gary D. Morrison, et al.	39
155047000	Arlene J. Goodnight	11.430
156632000	Arlene J. Goodnight	2.34
154810000	Arnie N. Goodnight and Bobbie B. Goodnight	15.070
156048005	Carolyn Gaughan, et al.	20
174691000	John M. Schneider and Elaine J. Ramsey	2.334
186150000	Billy Joe Kennedy and Misty L. Kennedy	4.1577
156369000	Sylvia I. Vancycoc	2.836
155179003	Douglas L. Parsons, et al.	121.542
161982000	Rhoney L. Ott and Mary Ann Ott	0.74
152550000	Rhoney L. Ott and Mary Ann Ott	0.660
143597000	Kevin W. Rogers, Jr. and Rebecca Rogers	4.277
153868000	Carol Sue Croft-Onell, et al.	16.307
156759000	Stone Hill Minerals Holdings, LLC	8.085
159042000	Richard L. Martin and Darlene K. Martin	0.95
156686000	Jennifer Welch	47.721

RECEIVED
 Office Of Oil and Gas
 MAY 6 2025
 WV Department of
 Environmental Protection



01/23/2026

Perforation Data

RECEIVED
Office Of Oil And Gas

NOV 6 2025

UW Department of
Environmental Protection

01/23/2026

Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	06/13/2025	13664	13513	48	Marcellus
3	06/13/2025	13484	13334	48	Marcellus
4	06/14/2025	13305	13154	48	Marcellus
5	06/14/2025	13126	12975	48	Marcellus
6	06/14/2025	12946	12796	48	Marcellus
7	06/14/2025	12767	12616	48	Marcellus
8	06/15/2025	12587	12437	48	Marcellus
9	06/15/2025	12408	12257	48	Marcellus
10	06/15/2025	12229	12078	48	Marcellus
11	06/16/2025	12049	11899	48	Marcellus
12	06/16/2025	11870	11719	48	Marcellus
13	06/16/2025	11690	11540	48	Marcellus
14	06/16/2025	11511	11360	48	Marcellus
15	06/17/2025	11332	11181	48	Marcellus
16	06/17/2025	11152	11002	48	Marcellus
17	06/17/2025	10973	10822	48	Marcellus
18	06/17/2025	10793	10643	48	Marcellus
19	06/18/2025	10614	10463	48	Marcellus
20	06/18/2025	10435	10284	48	Marcellus
21	06/19/2025	10255	10105	48	Marcellus
22	06/19/2025	10076	9925	48	Marcellus
23	06/19/2025	9896	9746	48	Marcellus
24	06/19/2025	9717	9566	48	Marcellus
25	06/20/2025	9538	9387	48	Marcellus
26	06/20/2025	9358	9208	48	Marcellus
27	06/20/2025	9179	9028	48	Marcellus
28	06/20/2025	8999	8849	48	Marcellus
29	06/21/2025	8820	8669	48	Marcellus
30	06/21/2025	8641	8490	48	Marcellus
31	06/21/2025	8461	8311	48	Marcellus
32	06/21/2025	8282	8131	48	Marcellus
33	06/21/2025	8102	7952	48	Marcellus
34	06/22/2025	7923	7772	48	Marcellus
35	06/22/2025	7744	7593	48	Marcellus
36	06/22/2025	7564	7414	48	Marcellus
37	06/22/2025	7385	7234	48	Marcellus

Stimulation Data

RECEIVED
Office Of Oil and Gas
NOV 6 2025
WV Department of
Environmental Protection

01/23/2026

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	06/13/2025	88	9272	4281	4148	177478	3690.000	
2	06/13/2025	99	8187	6003	4959	439098	9084.000	
3	06/14/2025	100	8554	5778	8618	450001	8843.000	
4	06/14/2025	100	8442	2504	4287	450140	8982.000	
5	06/14/2025	100	8682	5451	4356	450006	8992.000	
6	06/15/2025	100	8739	5828	NA	450123	8942.000	
7	06/15/2025	100	8613	5678	4450	450070	8942.000	
8	06/15/2025	100	8662	5869	4422	449979	8987.000	
9	06/15/2025	100	8632	5790	4269	450181	8983.000	
10	06/16/2025	96	8832	5925	3653	450032	8907.000	
11	06/16/2025	98	8576	6021	4602	450051	9052.000	
12	06/16/2025	100	8384	5832	4695	450005	8791.000	
13	06/16/2025	100	8443	3599	8288	450263	8784.000	
14	06/17/2025	100	8371	5384	4437	450091	8748.000	
15	06/17/2025	100	8266	5525	4216	450048	8734.000	
16	06/17/2025	100	8197	5473	4482	450191	8753.000	
17	06/18/2025	98	8061	5691	7923	450111	8664.000	
18	06/18/2025	100	8054	5715	4659	450143	8753.999	
19	06/18/2025	100	8268	5807	4843	450018	8744.000	
20	06/19/2025	100	7980	5712	NA	450138	8730.000	
21	06/19/2025	99	7772	5597	7979	450025	8720.000	
22	06/19/2025	100	8309	5827	5746	449940	8722.000	
23	06/20/2025	99	8452	5683	5304	449975	8650.000	
24	06/20/2025	99	7998	5697	NA	450067	8672.000	
25	06/20/2025	100	7541	5501	NA	450101	8710.000	
26	06/20/2025	96	7398	5661	4303	449902	8701.000	
27	06/21/2025	98	8325	5733	4542	449966	8699.000	
28	06/21/2025	95	7092	5525	5552	449973	8674.999	
29	06/21/2025	100	7571	5393	4713	450059	8595.000	
30	06/21/2025	100	7633	5804	4471	450093	8666.000	
31	06/21/2025	100	7406	5673	4604	450026	8694.000	
32	06/21/2025	100	7268	5507	4859	450024	8683.000	
33	06/22/2025	100	6948	5303	4356	450027	8657.000	
34	06/22/2025	100	7225	5428	4736	450014	8676.000	
35	06/22/2025	100	6977	5711	4786	450004	8653.000	
36	06/22/2025	100	6885	5457	4971	449996	8648.000	
37	06/22/2025	100	6960	5439	4615	449989	8703.000	

RECEIVED
Office of Oil and Gas
MAY 16 2025
The Department of
Environmental Protection

01/23/2026

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:	47-051-02084-00-00
Operator Name:	EQT Production
Well Name and Number:	Hines A 12H
Latitude:	39.906297
Longitude:	-80.699235
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6364
Total Base Water Volume (gal)*:	13423620.02
Total Base Non Water Volume:	0



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

RECEIVED
Office Of Oil and Gas
NOV 6 2025
WV Department of
Environmental Protection

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	72.03292	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	27.89239	None
Clearal 268	ChemStream, Inc.	Biocide					
			Water	7732-18-5	80.00000	0.00727	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	40.00000	0.00384	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-	69418-26-4	40.00000	0.00384	None

01/23/2026

			ETHYL ACRYLATE COPOLYMER				
Enviro-Syn HCR-7000- WL	Fluid Energy Group Ltd.	Acid					
			FLUID-Acid-00001	Proprietary	20.00000	0.00127	None
StimSTREAM FR 9800	ChemStream, Inc.	Friction Reducer					
			Water	7732-18-5	15.00000	0.00054	None
Clearal 268	ChemStream, Inc.	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00045	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	0.00006	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					
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00001	None
Clearal 268	ChemStream, Inc.	Biocide					
			Didecyl dimethyl ammonium chloride	7173-51-5	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

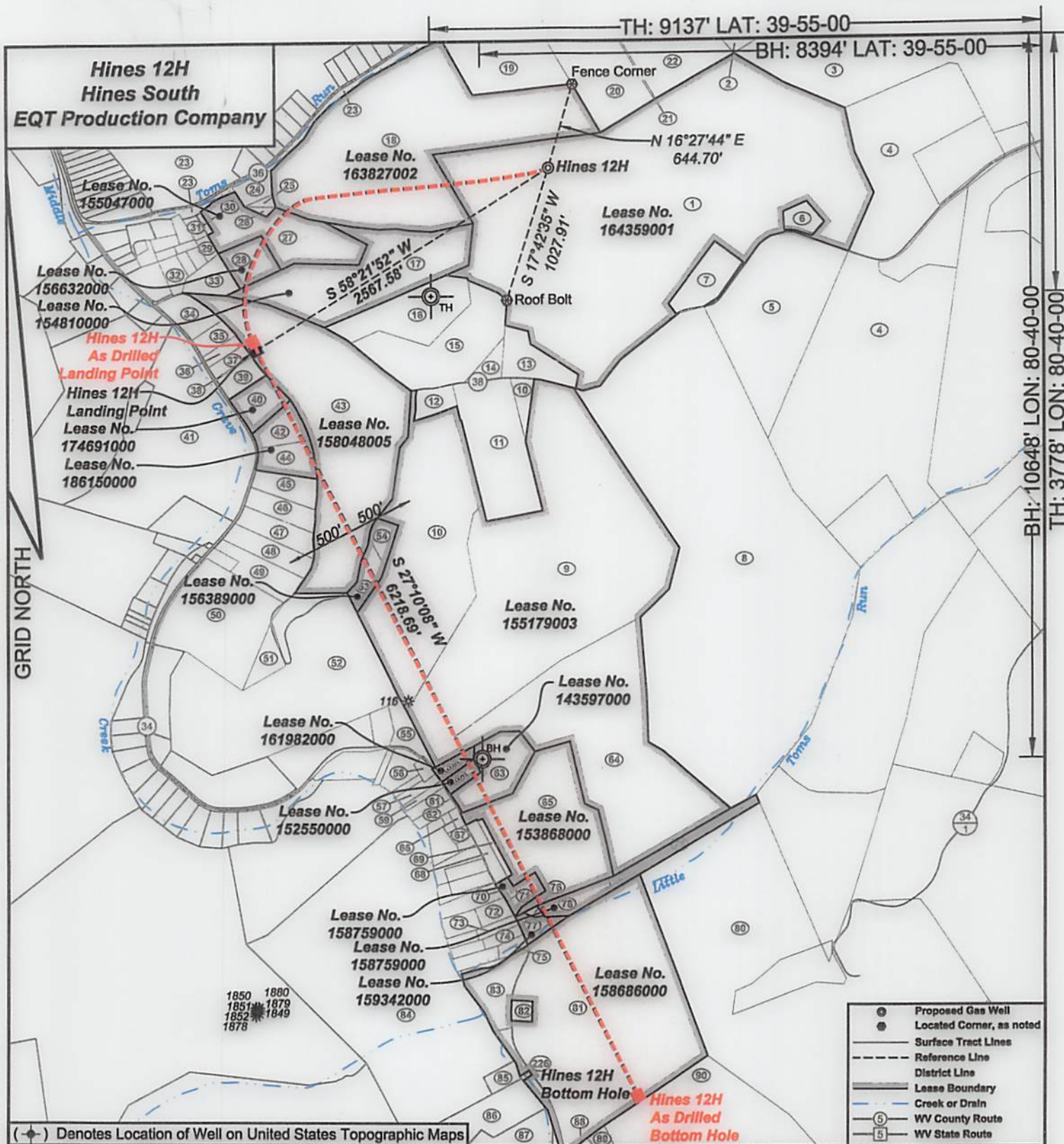
** Information is based on the maximum potential for concentration and thus the total may be over 100%

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)

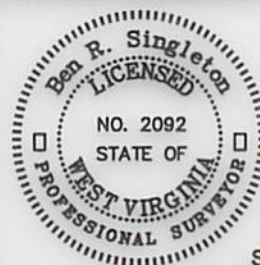
01/23/2026

As-Drilled



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: 17-22
DRAWING NO: Hines 12H
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 21 20 25
OPERATOR'S WELL NO.: Hines 12H
API WELL NO
47 - 051 - 02084
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: Mountsville
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

Hines 12H
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 Hinterer	94.658
2	12	29	Marshall	Washington	Kevin Porter	25
3	11	1	Marshall	Washington	Okey 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	Terry L. Darrow, et ux.	1.135
7	12	30.2	Marshall	Washington	EQT Aurora LLC	3.2
8	12	32	Marshall	Washington	Douglas Edward Gouldsberry, et ux.	95.45
9	12	33	Marshall	Washington	Henry T. Parsons Est., et al.	63.197
10	12	45	Marshall	Washington	Henry T. Parsons, et al.	26.505
11	12	33.2	Marshall	Washington	Darlene L. Boston - Life	10.027
12	12	45.1	Marshall	Washington	Morgan T. & Pamela M. Lacefield	1.309
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 Lacefield	9.738
16	12	30.5	Marshall	Washington	Morgan T. Lacefield	6.836
17	12	66	Marshall	Washington	Arnie N. Goodnight, et ux.	15.07
18	12	25	Marshall	Washington	Arnie 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	9.58
23	12	24	Marshall	Washington	Denise L. & Christopher Scamehorn	67.526
24	12	67.3	Marshall	Washington	Brenda J. Goodnight	0.75
25	12	67.7	Marshall	Washington	Brenda J. Goodnight	0.2562
26	12	67.8	Marshall	Washington	Michael Marvin Goodnight	0.5
27	12	67	Marshall	Washington	Julie Diane Reed	10.925
28	12	67.5	Marshall	Washington	Arlene J. Goodnight	2.344
29	12	67.2	Marshall	Washington	Arnie N. & Bobbie B. Goodnight	0.397
30	12	67.6	Marshall	Washington	Phyllis C. Hartley Est.	0.6574
31	12	67.4	Marshall	Washington	Arnie or Bobbie Goodnight	0.579
32	12	68	Marshall	Washington	Maxian Family Revocable Trust	0.869
33	12	67.1	Marshall	Washington	Arnie N. & Bobbie B. Goodnight	1.591
34	12	64.1	Marshall	Washington	Gary James Mercer	2
35	12	64.2	Marshall	Washington	Karen M. Pelley	1
36	12	64.3	Marshall	Washington	Earnest R. & Nancy Sue Nice	0.547
37	12	64.4	Marshall	Washington	Randall L. Enix, et ux.	0.746
38	12	64.5	Marshall	Washington	Randall L. Enix, et ux.	0.745
39	12	64.6	Marshall	Washington	Michael Lee Jenkins, et ux.	1.3056
40	12	64.8	Marshall	Washington	John M. Schneider, et al.	2.334
41	3	51	Marshall	Clay	Donna M. Logsdon Family Trust	32.898
42	12	64.9	Marshall	Washington	Billy J. & Misty L. Kennedy	1.9706
43	12	65	Marshall	Washington	Sylvia Van Scyoc	20
44	12	64.10	Marshall	Washington	Billy J. & Misty L. Kennedy	2.1871
45	12	64.13	Marshall	Washington	Victor A. Caldwell	1.977
46	12	64.11	Marshall	Washington	Victor A. Caldwell	1.933
47	12	64	Marshall	Washington	Kenneth Gray, et ux.	2.23
48	12	64.14	Marshall	Washington	Kenneth Gray, Jr.	2.367
49	12	64.12	Marshall	Washington	Victoria L. & Kenneth Gray	2.781
50	12	63	Marshall	Washington	Mark G. Stout, et ux.	12.323
51	12	63.7	Marshall	Washington	Keith E. Vanscyoc	1.484
52	12	48	Marshall	Washington	Keith E. Vanscyoc	41.531
53	12	47	Marshall	Washington	Sylvia Van Scyoc	1.61
54	12	46	Marshall	Washington	Sylvia Van Scyoc	1.226
55	12	44	Marshall	Washington	Nila L. Willis	1.945
56	12	41.1	Marshall	Washington	James G. & Barbara Updegraff	0.309
57	12	41.2	Marshall	Washington	Frederick S. Wilkerson	0.571
58	12	37.1	Marshall	Washington	Rhdney L. Ott, et ux.	0.743
59	12	40.1	Marshall	Washington	Fred W. & Fred S. Wilkerson	0.403
60	12	37.2	Marshall	Washington	Rhdney L. Ott, et ux.	0.66
61	12	40	Marshall	Washington	Sharon Heath & Fred W. Wilkerson	0.713
62	12	40.2	Marshall	Washington	Sharon Heath & Fred W. Wilkerson	0.597
63	12	37	Marshall	Washington	Kevin W. & Rebecca Rogers	3.617
64	12	34	Marshall	Washington	Henry T. Parsons Est., et al.	31.84
65	12	35	Marshall	Washington	Carol S. Croft-ONEIL	16.307
66	12	38	Marshall	Washington	Grave Creek Church of God Trs	0.3
67	13	35	Marshall	Washington	Grave Creek Church of God Trs	0.33
68	12	35.2	Marshall	Washington	Carol S. & Warren W. Oneil	1.088
69	12	35.5	Marshall	Washington	Carol S. & Warren W. Oneil	0.433
70	12	35.1	Marshall	Washington	Richard C. & Carla V. Yoho	0.353
71	12	35.3	Marshall	Washington	Richard C. & Carla V. Yoho	0.962
72	13	43	Marshall	Washington	Michael E. & Donna D. Richards	0.801
73	13	34	Marshall	Washington	Michael S. Gamensky, et ux.	0.481
74	13	33	Marshall	Washington	Larry D. Lilley, et ux.	0.582
75	13	32	Marshall	Washington	Shawn M. & Charity J. Carroll	0.469
76	13	41.2	Marshall	Washington	Richard L. & Darlene K. Martin	0.161
77	13	41.1	Marshall	Washington	Richard L. & Darlene K. Martin	0.955
78	13	42	Marshall	Washington	Richard C. & Carla V. Yoho	1.486
79	13	41	Marshall	Washington	Richard C. & Carla V. Yoho	5.299
80	13	2	Marshall	Washington	Todd & Dawn R. Kettler	84.805
81	13	26	Marshall	Washington	Jennifer Kelch	44.189
82	13	26.1	Marshall	Washington	Jennifer Kelch	0.273
83	13	26.3	Marshall	Washington	Marisa Rae Lucas	3.462
84	4	63	Marshall	Clay	Harley & Lee Ann South	53.564
85	4	63.2	Marshall	Clay	Harley & Lee Ann South	0.776
86	4	63.1	Marshall	Clay	Jacqueline Lynn Young	6.61
87	4	68	Marshall	Clay	Wayne Eugene Young	26.16
88	13	47	Marshall	Washington	Stephen P. Rich	0.291
89	13	24	Marshall	Washington	Stephen P. Rich	0.75
90	13	22	Marshall	Washington	Evelyn Ruth Johnson	23.82
226	13	26.4	Marshall	Washington	Harley & Lee Ann South	0.07

Well References



As Drilled Well Information:

Hines 12H coordinates are
NAD 27 N: 514,429.25 E: 1,663,521.92
NAD 83 UTM N: 4,417,400.51 E: 525,708.26
Hines 12H Landing Point coordinates are
NAD 27 N: 513,143.87 E: 1,661,313.88
NAD 83 UTM N: 4,416,997.66 E: 525,042.09
Hines 12H Bottom Hole coordinates are
NAD 27 N: 507,550.25 E: 1,664,177.80
NAD 83 UTM N: 4,415,308.15 E: 525,943.08
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.

Hines South

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

Lease No.	Owner	Acres
164359001	Shelby Hinterer	156.218
163827002	Gary D. Morrison, et al.	39
155047000	Arlene J. Goodnight	11.430
156632000	Arlene J. Goodnight	2.34
154810000	Arnie N. Goodnight and Bobbie B. Goodnight	15.070
158048005	Carolyn Gaughan, et al.	20
174691000	John M. Schneider and Faline J. Ramsey	2.334
186150000	Billy Joe Kennedy and Misty L. Kennedy	4.1577
156389000	Sylvia I. VanScyoc	2.836
155179003	Douglas L. Parsons, et al.	121.542
161982000	Rhdney L. Ott and Mary Ann Ott	0.74
152550000	Rhdney L. Ott and Mary Ann Ott	0.660
143597000	Kevin W. Rogers, Jr. and Rebecca Rogers	4.277
153868000	Carol Sue Croft-ONEIL, et al.	16.307
158759000	Stone Hill Minerals Holdings, LLC	8.085
159342000	Richard L. Martin and Darlene K. Martin	0.95
158686000	Jennifer Kelch	47.721

