

HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-7H As-Drilled



Page 1 of 4

11,737' to Bottom Hole

4,568' to Top Hole

BTM LATITUDE 39 - 05 - 00
TOP LATITUDE 39 - 10 - 00

TOP LONGITUDE 80 - 27 - 30
BTM LONGITUDE 80 - 25 - 00

11,912' to Top Hole

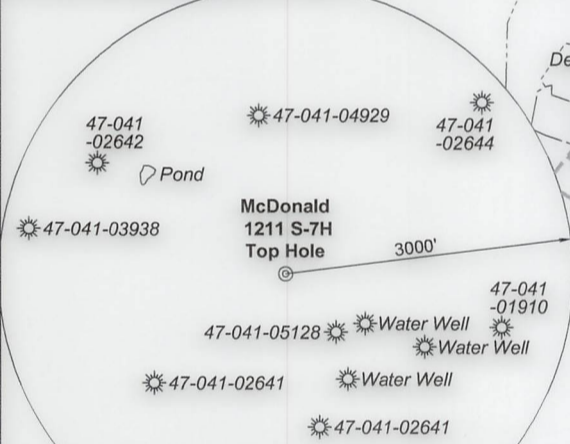
2,572' to Bottom Hole

Notes:
Well No. McDonald 1211 S-7H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°08'02.23" Latitude: 39°04'34.57"
Longitude: 80°28'27.99" Longitude: 80°27'28.88"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,331,783.284m N: 4,325,390.548m
E: 545,439.176m E: 546,896.635m
Plat orientation and corner and well references are
based upon the grid north meridian.
Well location references are based upon the magnetic
meridian.

Notes:
Well No. McDonald 1211 S-7H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,211,858.99'
E: 1,789,495.03'
Landing Point Coordinates
N: 14,211,033.63'
E: 1,787,192.74'
Bottom Hole Coordinates
N: 14,190,885.49'
E: 1,794,276.71'

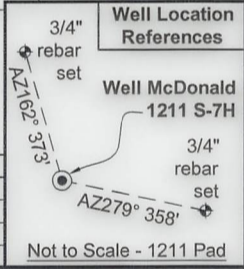
I, the undersigned, hereby certify
that this plat is correct to the best
of my knowledge and belief and
shows all the information required
by law and the rules issued and
prescribed by the Department of
Environmental Protection.

Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070



Note: 1 Pond and 3 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Tag	Bearing	Dist.
L1	S 76°49' W	2,965.8'
L2	N 75°29' W	2,362.3'
L3	N 29°41' W	2,093.5'
L4	N 45°25' E	1,190.4'



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-7H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: December 22 20 21
OPERATOR'S WELL NO. McDonald 1211 S-7H
API WELL NO
47 - 041 - 05704
STATE COUNTY PERMIT

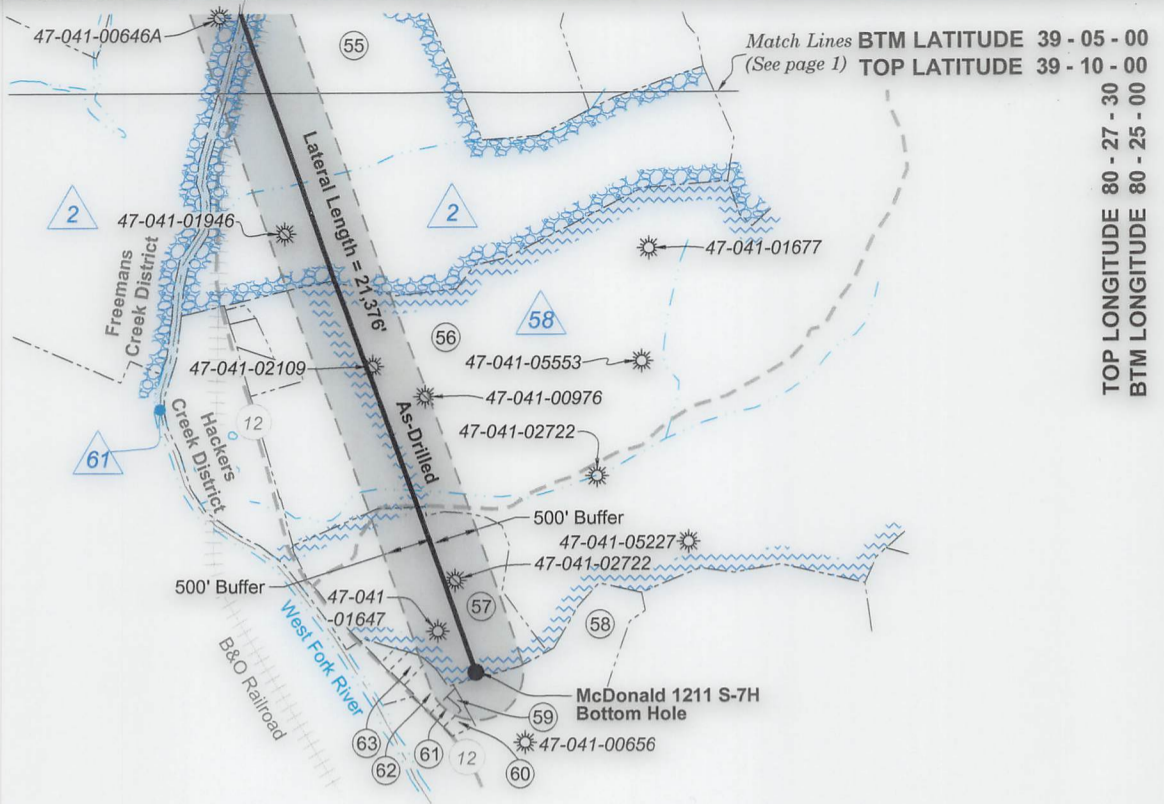
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek TH - West Milford
SURFACE OWNER: HG Energy II Appalachia, LLC QUADRANGLE: BH - Weston
ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 145.00 COUNTY: Boone
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 Shale ESTIMATED DEPTH: 29,266' MD 7,042' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-7H As-Drilled



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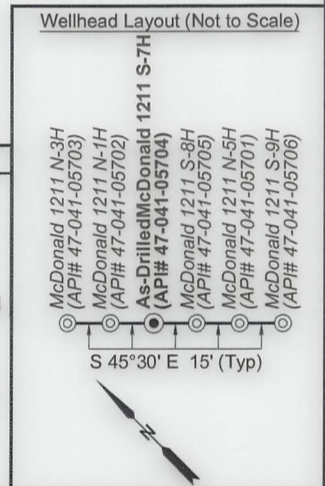


BTM LATITUDE 39 - 05 - 00
TOP LATITUDE 39 - 10 - 00
TOP LONGITUDE 80 - 27 - 30
BTM LONGITUDE 80 - 25 - 00

ID	Lease
2	Prudence M. O'hara, et al
3	T.S. Hoffman, et al
6	Mary E. Clark, et vir
7	W.A. Chittum, et al
10	J.L. Post, et al
12	G.C. Smith
13	Bertha H. Nay, et al
28	Mike Ross, Inc., et al
29	J.L. Allman, et al
30	W.D. Allman, et al
38	C. Burke Morris, et al
39	Cyrus W. Smith, et al
45	Mary E. Post, et al
54	Dominion Energy Transmission, Inc.
58	A.W. Woodford, et al
59	WVU Board of Governors
61	WVDNR

Legend

- ⊙ Proposed gas well
- ⊕ Well Reference, as noted
- ⊗ Monument, as noted
- ☀ Existing Well, as noted
- ☀ Existing Plugged Well, as noted
- ☀ Digitized Well, as noted
- Surface boundary (approx.)
- - - Interior surface tracts (approx.)
- - - Creek or Drain
- - - Existing Road
- ⊕⊕⊕ Railroad Tracks



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-7H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: December 22 2021
OPERATOR'S WELL NO. McDonald 1211 S-7H
API WELL NO
47 - 041 - 05704
STATE COUNTY PERMIT

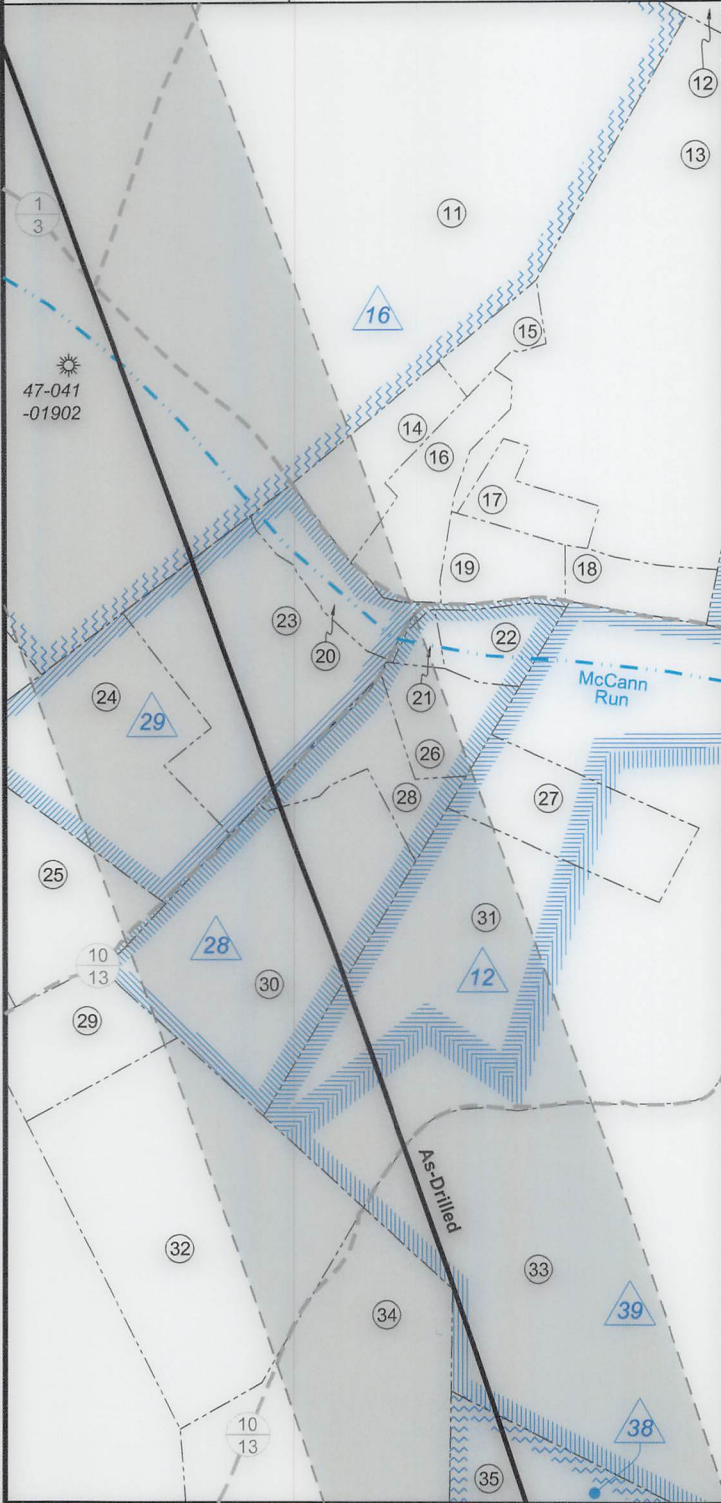
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek TH - West Milford
DISTRICT: Freemans Creek QUADRANGLE: BH - Weston
SURFACE OWNER: HG Energy II Appalachia, LLC COUNTY: Boone
ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 145.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,042' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,266' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

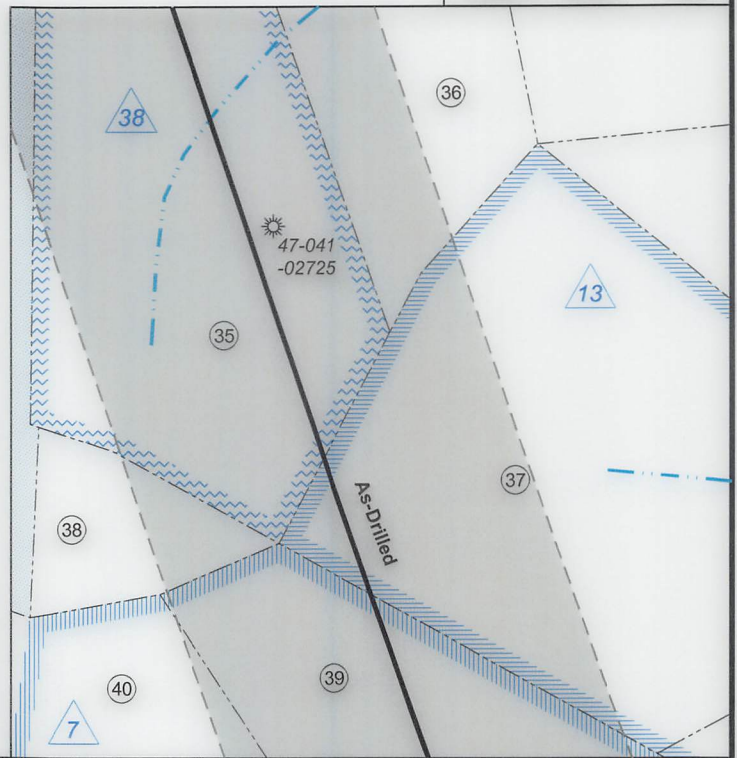


Detail 1 - Scale: 1" = 500'



No.	TM / Par	Owner	Bk / Pg	Ac.
1	7B / 10	HG Energy II Appalachia, LLC	730 / 677	61.50
2	7B / 9	Brincefield Family Trust	588 / 740	56.76
3	6B / 41	Brincefield Family Trust	588 / 740	71.62
4	6B / 42	Brincefield Family Trust	588 / 740	28.00
5	6B / 43	Brincefield Family Trust	588 / 740	69.36
6	6B / 53	Brincefield Family Trust	588 / 740	10.51
7	6B / 52	Frank McDonald	479 / 8	3.73
8	6B / 44	David G. Layton	697 / 278	75.50
9	6C / 59	Charles W. & Debra D. Queen	543 / 274	0.55
10	6C / 62	Bryan T. Beam, et al	W46 / 461	37.83
11	6B / 47	Michael A. & Christine A. Cutlip	648 / 51	71.00
12	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
13	7C / 1	Troy D. Wilsoncroft	724 / 241	22.76
14	7C / 1.1	Timothy J. & Tawney A. Wyatt	509 / 18	2.10
15	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
16	7C / 1.3	Cecil L. & Sona J. Dempsey	437 / 356	2.22
17	7C / 1.4	Joyce Lea Williams, et al	638 / 86	1.11
18	7C / 2	Jane E. Horn	F30 / 607	1.19
19	7C / 3	Benjamin T. & Casey Brown	605 / 657	1.32
20	7C / 4	Kristy D. Kerwood	723 / 99	2.53
21	7C / 5.2	Richard A. & Becky B. Westfall	736 / 553	0.26
22	7C / 5.1	Shaun C. & Sheila K. Dempsey	506 / 752	1.15
23	6C / 56	Kenneth B. & Lydia M. Burroughs	640 / 110	6.35
24	6C / 56.1	Kenneth B. & Lydia M. Burroughs	361 / 369	6.12
25	6C / 55	Kenneth B. & Lydia M. Burroughs	336 / 47	5.10

Detail 2 - Scale: 1" = 500'



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Submeter
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CORS, Bridgeport, WV

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

DATE: December 22 20 21
OPERATOR'S WELL NO. McDonald 1211 S-7H
API WELL NO
47 - 041 - 05704
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: Boone
ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Mary E. Post, et al, et al

LEASE NO: ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

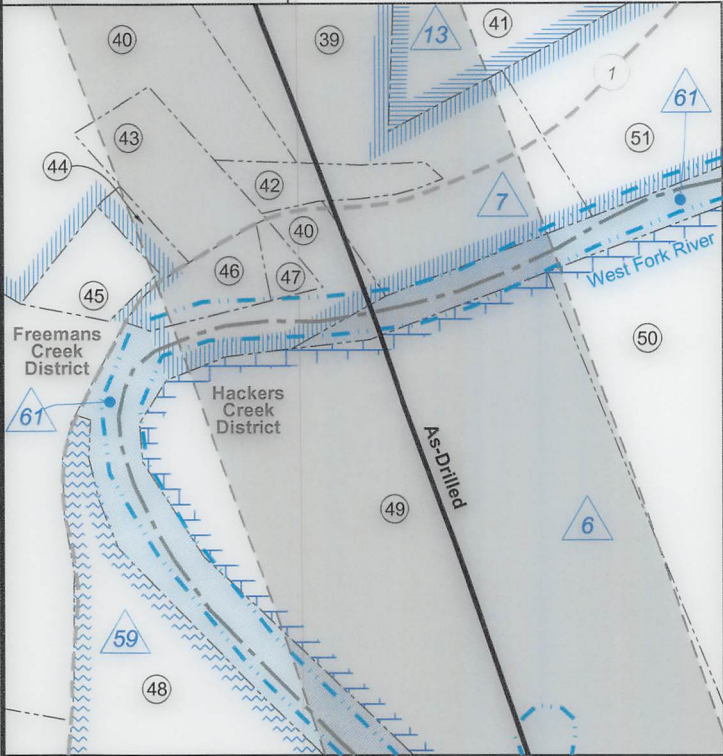
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,042' TVD 29,266' MD

WELL OPERATOR: HG Energy II Appalachia, LLC
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

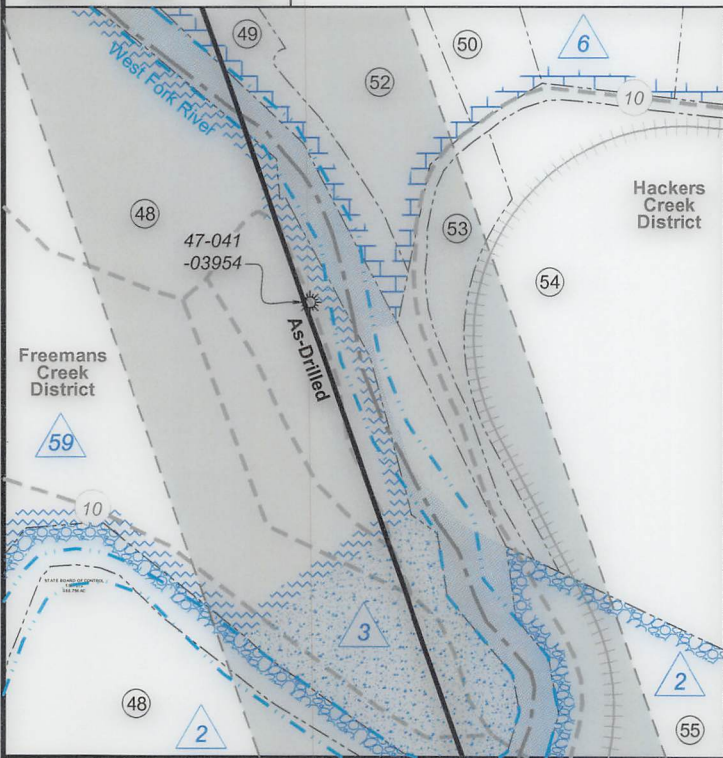
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
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Detail 3 - Scale: 1" = 500'



Detail 4 - Scale: 1" = 500'



No.	TM / Par	Owner	Bk / Pg	Ac.
26	7C / 5.3	Phillip J. & Roberta A. Stutler	359 / 443	1.67
27	7C / 6.1	Clinton C. & Gerilyn H. Beam	556 / 174	3.00
28	7C / 5.5	Phillip J. & Roberta A. Stutler	400 / 733	1.68
29	6C / 54	Kenneth B. & Lydia M. Burroughs	336 / 47	2.00
30	7C / 5	James M. Posey	667 / 710	6.06
31	7C / 6.3	Clinton C. & Gerilyn H. Beam	636 / 200	19.33
32	6C / 53	Kenneth B. & Lydia M. Burroughs	336 / 47	11.00
33	7C / 6.2	Bette Garath	W20 / 230	36.15
34	7C / 7	Bette Garath	W20 / 230	34.00
35	7C / 9	Bette Garath	W20 / 230	31.00
36	7C / 8	Bette Garath	W20 / 230	20.00
37	7C / 22	Fred Allen Bailey	452 / 268	35.35
38	7C / 10	Bette Garath	W20 / 230	4.20
39	7C / 11	Donna M. & Aubrey E. Smith, Jr.	740 / 926	37.39
40	7C / 12	Donna M. & Aubrey E. Smith, Jr.	740 / 926	36.35
41	7C / 22.2	Donna J. Williams, et al	F31 / 405	28.69
42	7C / 11.1	Robert G. Elliot	660 / 512	1.15
43	7C / 13	Ethel J. Bulka	545 / 372	2.40
44	7C / 14	Jason Sloan	633 / 605	0.43
45	7C / 15	Wilma Wine	W48 / 821	1.15
46	7C / 17	E. Jean Bulka	605 / 841	1.20
47	7C / 18	T.G. Rentals, LLC	740 / 637	0.75
48	7D / 32	WVU Board of Governors	584 / 524	221.65
49	7D / 1	James A. & Carol T. Smith	343 / 62	29.57
50	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
51	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
52	7D / 3	Larry H. McCoy	367 / 208	7.18
53	7D / 4	James A. & Carol T. Smith	343 / 62	2.48
54	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
55	7D / 5	WVU Board of Governors	584 / 524	323.00
56	7D / 9.1	Deerfield Country Club, Inc.	359 / 409	572.21
57	7E / 68	Delores B. Adler	--- / ---	67.11
58	7E / 29	John K. & Susan D. Butcher	732 / 259	40.97
59	7E / 28	Jonathon L. Barnes, et al	751 / 946	0.60
60	7E / 22	John W. Nash, et al	724 / 564	1.40
61	7E / 23	Jonathon L. Barnes, et al	751 / 946	1.25
62	7E / 24	Janette L. Byrd	W49 / 352	3.26
63	7E / 25	Dennis E. & Whitney Ballard	572 / 820	1.53

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OIL AND GAS DIVISION

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DISTRICT: Freemans Creek

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: Putnam
ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Mary E. Post, et al, et al

LEASE NO: _____ ACREAGE: 145.00

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