

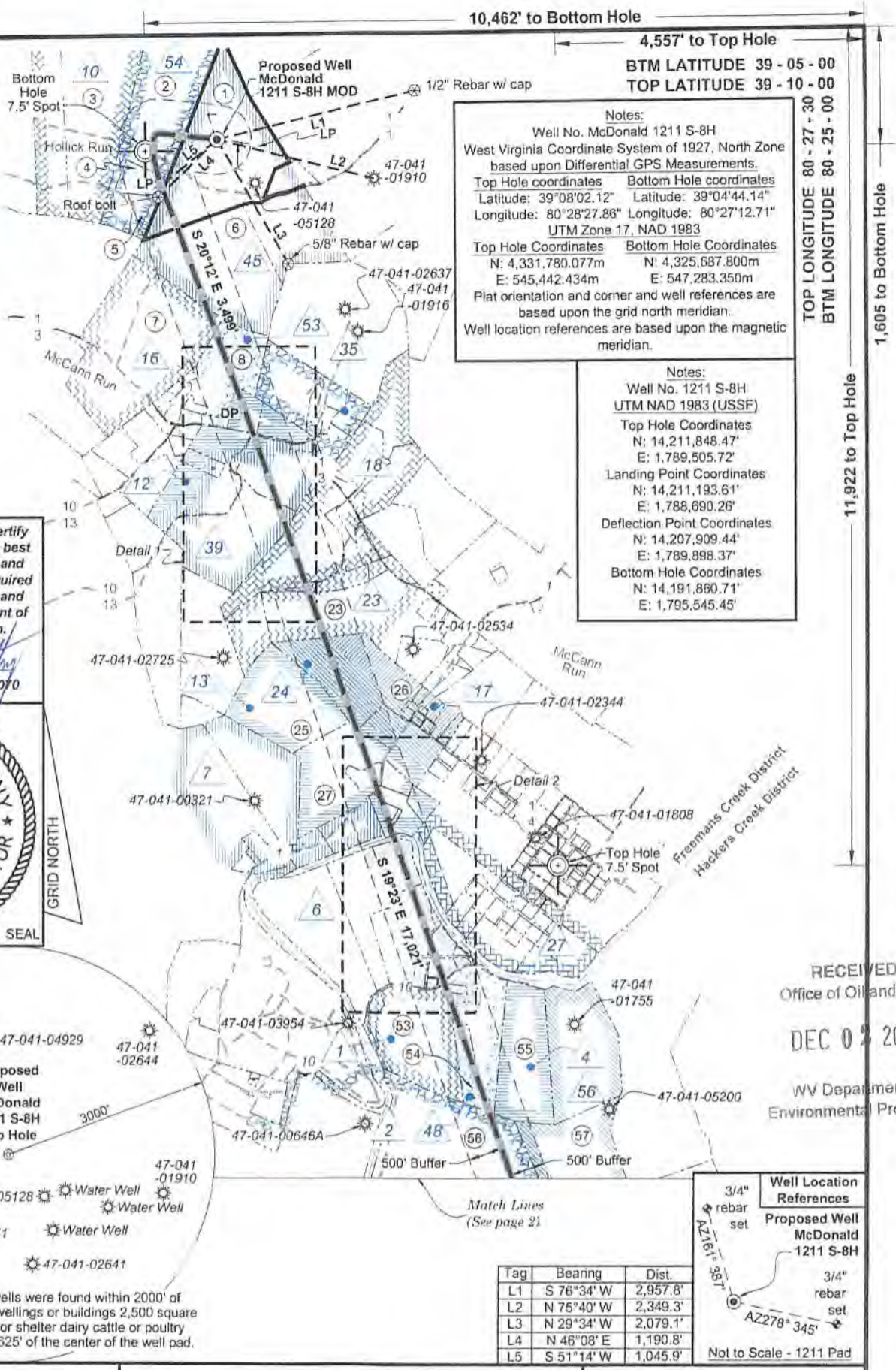
HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-8H MOD



Page 1 of 4

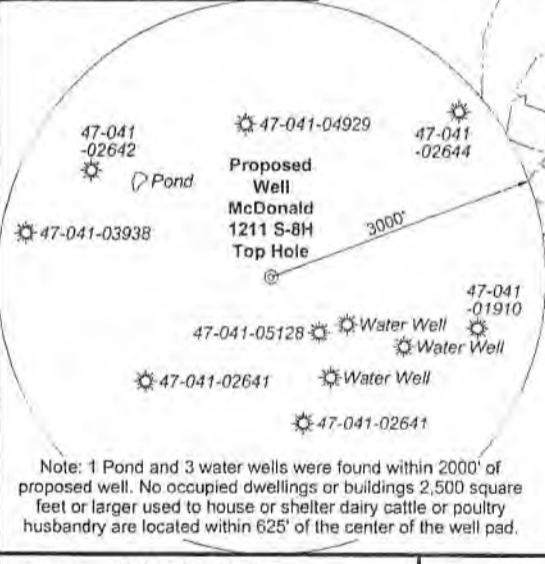
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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



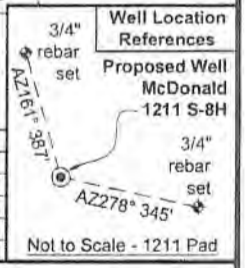
Notes:
Well No. McDonald 1211 S-8H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°08'02.12" Latitude: 39°04'44.14"
Longitude: 80°28'27.88" Longitude: 80°27'12.71"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,331,780.077m N: 4,325,687.800m
E: 545,442.434m E: 547,283.350m
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. 1211 S-8H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,211,848.47'
E: 1,789,505.72'
Landing Point Coordinates
N: 14,211,193.61'
E: 1,788,690.26'
Deflection Point Coordinates
N: 14,207,909.44'
E: 1,789,898.37'
Bottom Hole Coordinates
N: 14,191,860.71'
E: 1,795,545.45'



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°34' W	2,957.8'
L2	N 75°40' W	2,349.3'
L3	N 29°34' W	2,079.1'
L4	N 46°08' E	1,190.8'
L5	S 51°14' W	1,045.9'



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-8H Well Plat
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: October 20 2020
OPERATOR'S WELL NO. McDonald 1211 S-8H
API WELL NO
47 - 041 - 05705
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: Lewis
ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 61.50
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD - BH ACREAGE: 145.00
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 27,897' MD 6,800' TVD

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

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Office of Oil and Gas
DEC 02 2020
WV Department of Environmental Protection

1,605' to Bottom Hole

11,922' to Top Hole

10,462' to Bottom Hole

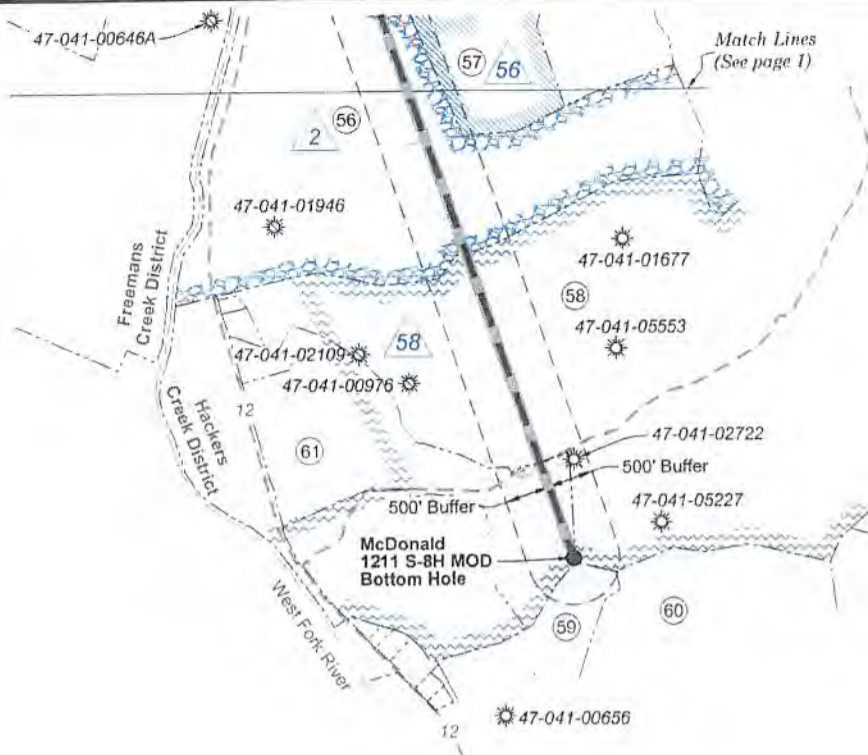
4,557' to Top Hole

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

**HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-8H MOD**



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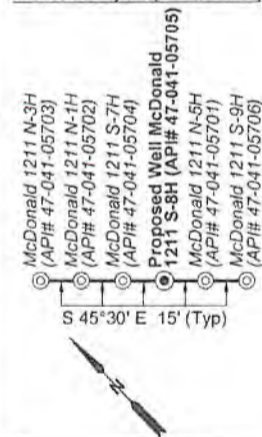
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54	HG Energy II Appalachia, LLC
56	Mary J. Hayes
58	A.W. Woodford, et al

Wellhead Layout (Not to Scale)



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

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

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PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD - BH 6,800' TVD

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ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

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

LEASE NO: ACREAGE: 145.00

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Appalachia, LLC
Well No. McDonald
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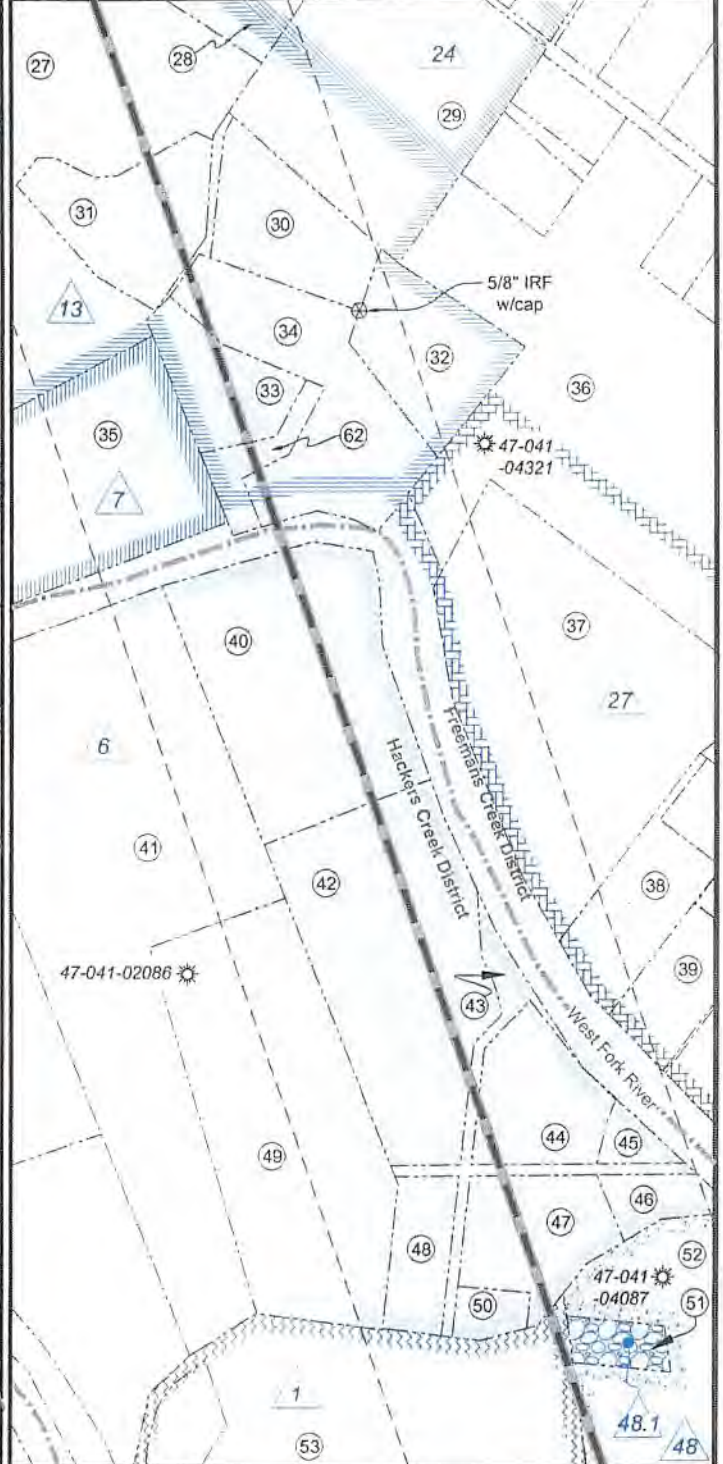
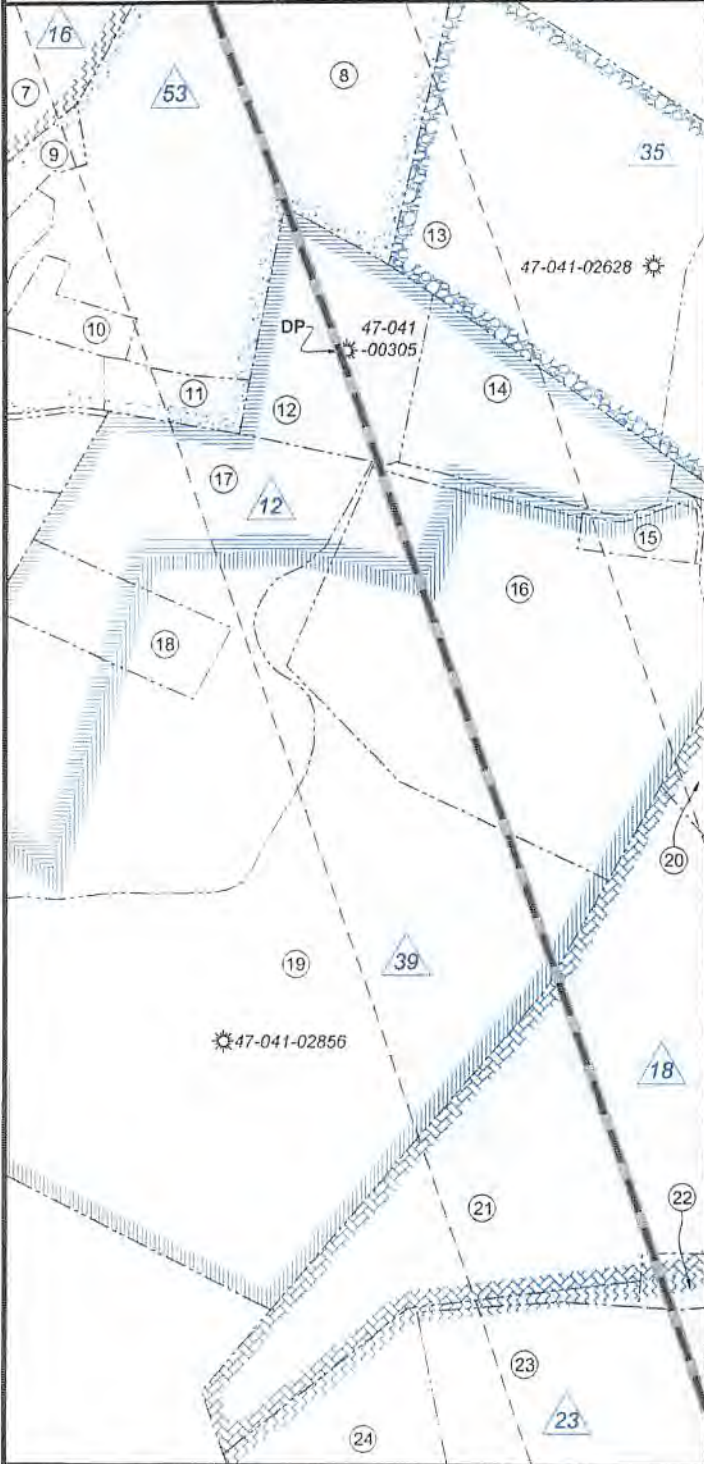
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WV Department of
Environmental Protection



Detail 1 - Scale: 1" = 500'

Detail 2 - Scale: 1" = 500'



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1211 S-8H MOD**



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WV Department of
Environmental Protection

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	7B / 9.2	Brincefield Family Trust	588 / 740	10.51
5	7B / 9.1	Frank McDonald	479 / 8	3.73
6	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
7	6B / 47	Michael A. & Christine A. Cutlip	648 / 51	71.00
8	7C / 1	Troy D. Wilsoncroft	724 / 241	22.76
9	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
10	7C / 1.4	Joyce Lea Williams, et al	638 / 86	1.11
11	7C / 2	Jane E. Horn	F30 / 607	1.19
12	7C / 6	Beverly Ann Beam	W33 / 295	5.66
13	7C / 32	Kelvin G. & Trent M. Williston	673 / 669	16.08
14	7C / 30.5	Timothy E. Beam	537 / 254	5.32
15	7C / 31	Francis C. Smith	488 / 376	0.75
16	7C / 30	Bette Gerath	W20 / 230	19.16
17	7C / 6.3	Clinton C. & Gerilyn H. Beam	636 / 200	19.33
18	7C / 6.1	Clinton C. & Gerilyn H. Beam	556 / 174	3.00
19	7C / 6.2	Bette Gerath	W20 / 230	36.15
20	7C / 30.8	Russell E. & Catherine F. Kerns	652 / 128	4.75
21	7C / 29	Betsy L. & Miquel A. Rodriguez	717 / 329	24.43
22	7C / 29.1	Daniel L. Truman	712 / 544	4.82
23	7C / 26.1	Charles D. & Linda Bailey	653 / 713	42.15
24	7C / 8	Bette Gerath	W20 / 230	20.00
25	7C / 22	Fred Allen Bailey	452 / 268	35.35
26	7C / 25	Fred Allen Bailey	452 / 268	32.27
27	7C / 22.2	William B. Williams II	593 / 139	28.69
28	7C / 23	Fred Allen Bailey	452 / 268	6.02
29	7C / 51	Nathan King	720 / 789	9.75
30	7C / 21	Michael S. & Mary Beth Furby	593 / 248	3.00
31	7C / 22.1	Allen B. Jerden	301 / 77	3.35

No.	TM / Par	Owner	Bk / Pg	Ac.
32	7C / 20.1	Daniel R. & Gienna M. Johnston	726 / 830	3.00
33	7C / 20.2	Timothy P. & Glenda R. Weber	603 / 649	2.10
34	7C / 20	Edward W. Holden	726 / 826	5.20
35	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
36	7C / 53.4	Jeremy & Jenny L. Garton	532 / 665	37.21
37	7C / 52.7	Jeremy & Jenny L. Garton	549 / 373	14.03
38	7D / 59	Jeremy & Jenny L. Garton	586 / 138	2.58
39	7D / 54	Joseph & Malissa Miller	584 / 422	1.91
40	7C / 2	James A. & Carol Trefz Smith	343 / 62	9.60
41	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
42	7D / 60	John & Phylis Porterfield	427 / 687	10.00
43	7D / 61	John & Phylis Porterfield	427 / 687	0.46
44	7D / 17	Tyrone D. & Amy B. Campbell	584 / 543	2.73
45	7D / 18	John & Phylis Porterfield	427 / 691	0.58
46	7D / 21	Tyrone D. & Amy B. Campbell	597 / 615	0.67
47	7D / 19	John & Phylis Porterfield	427 / 691	2.50
48	7D / 15	John & Phylis Porterfield	427 / 691	1.57
49	7D / 16	Ricky W. & Kristine L. Frame	670 / 717	10.75
50	7D / 14	John & Phylis Porterfield	427 / 691	0.47
51	7D / 20	James A. & Carol Trefz Smith	343 / 62	0.74
52	7D / 12	James A. & Carol Trefz Smith	343 / 62	28.68
53	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
54	7D / 12.1	Randall D. & Leanna M. Louk	575 / 73	7.21
55	7D / 11	Ricky W. Frame	677 / 723	31.50
56	7D / 5	WVU Board of Governors	584 / 524	323.00
57	7D / 10	Tamela B. Smith, et al	452 / 311	40.00
58	7D / 9.3	Swisher LLC	739 / 833	473.38
59	7E / 29	John K. & Susan D. Butcher	732 / 259	40.97
60	7E / 30	J. Bean Nicholson	509 / 215	61.17
61	7D / 9.1	Deerfield Country Club, Inc.	359 / 409	98.83
62	7C / 20.3	Timothy P. & Glenda R. Weber	726 / 833	0.90

FILE NO: 79-36-12-U-F-18
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MINIMUM DEGREE OF ACCURACY:
Submeter
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

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API WELL NO
47 - 041 - 05705
STATE COUNTY PERMIT

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TH - West Milford
QUADRANGLE: BH - Weston

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: HG Energy II Appalachia, LLC

ACREAGE: 61.50

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) MOD - BH

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 27,897' MD 6,800' TVD

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DESIGNATED AGENT: Diane C. White

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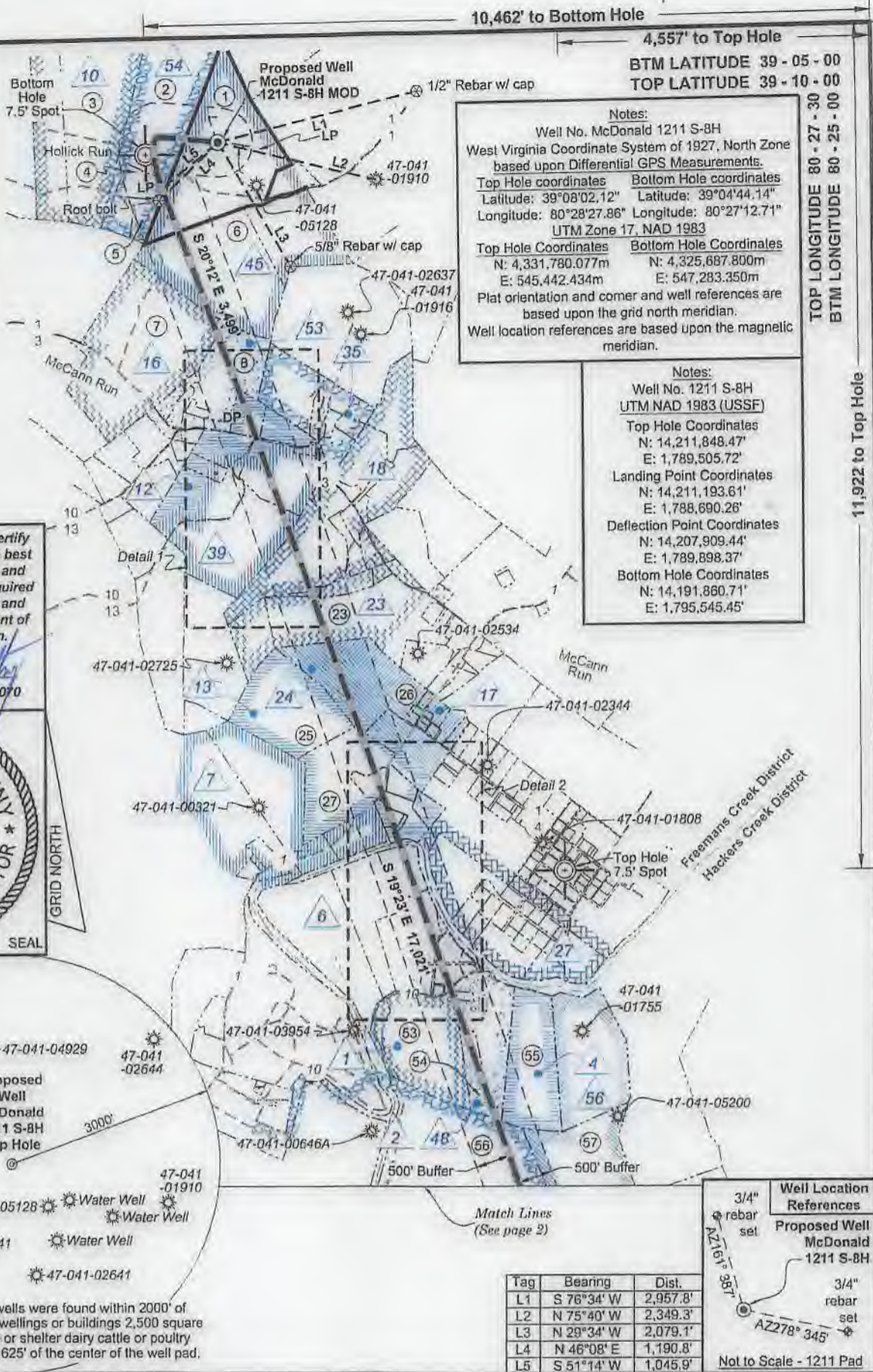
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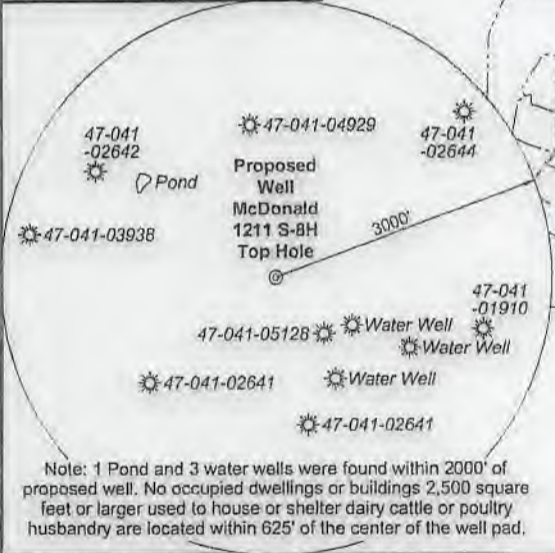
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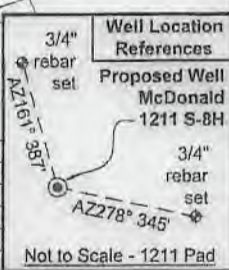
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OIL AND GAS DIVISION

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47 - 041 - 05705
STATE COUNTY PERMIT

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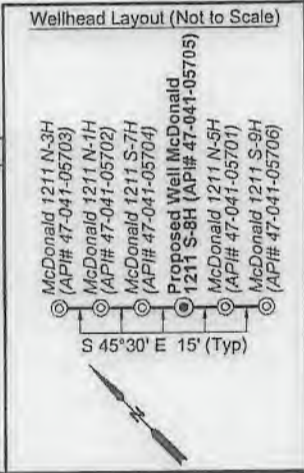


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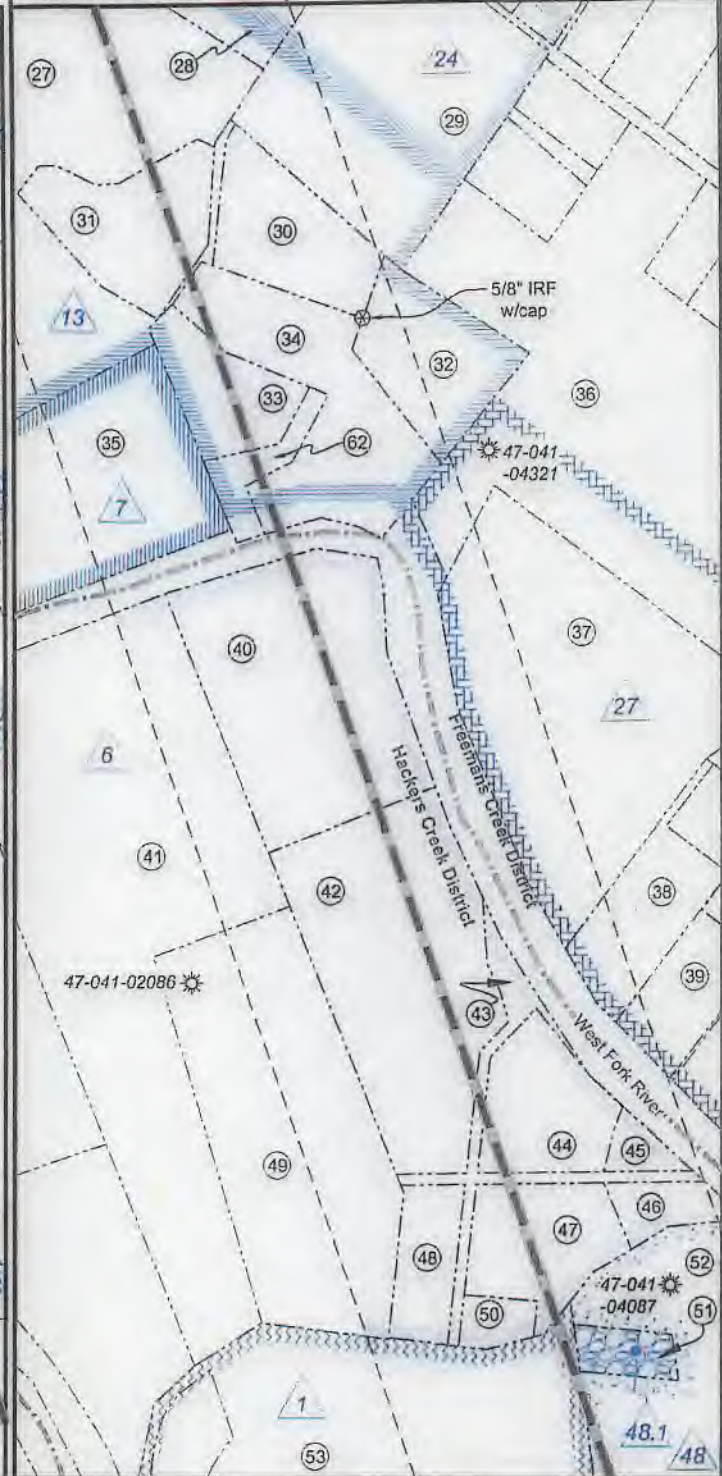
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Detail 2 - Scale: 1" = 500'



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SURFACE OWNER: HG Energy II Appalachia, LLC

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

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

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD - BH 6,800' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 27,897' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

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

ACREAGE: 145.00



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	7B / 9.2	Brincefield Family Trust	588 / 740	10.51
5	7B / 9.1	Frank McDonald	479 / 8	3.73
6	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
7	6B / 47	Michael A. & Christine A. Cullip	648 / 51	71.00
8	7C / 1	Troy D. Wilsoncroft	724 / 241	22.76
9	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
10	7C / 1.4	Joyce Lea Williams, et al	638 / 86	1.11
11	7C / 2	Jane E. Horn	F30 / 607	1.19
12	7C / 6	Beverly Ann Beam	W33 / 295	5.66
13	7C / 32	Kelvin G. & Trent M. Williston	673 / 669	16.08
14	7C / 30.5	Timothy E. Beam	537 / 254	5.32
15	7C / 31	Francis C. Smith	488 / 376	0.75
16	7C / 30	Bette Gerath	W20 / 230	19.16
17	7C / 6.3	Clinton C. & Gerilyn H. Beam	636 / 200	19.33
18	7C / 6.1	Clinton C. & Gerilyn H. Beam	556 / 174	3.00
19	7C / 6.2	Bette Gerath	W20 / 230	36.15
20	7C / 30.8	Russell E. & Catherine F. Kerns	652 / 128	4.75
21	7C / 29	Betsy L. & Miquel A. Rodriguez	717 / 329	24.43
22	7C / 29.1	Daniel L. Truman	712 / 544	4.82
23	7C / 26.1	Charles D. & Linda Bailey	653 / 713	42.15
24	7C / 8	Bette Gerath	W20 / 230	20.00
25	7C / 22	Fred Allen Bailey	452 / 268	35.35
26	7C / 25	Fred Allen Bailey	452 / 268	32.27
27	7C / 22.2	William B. Williams II	693 / 139	28.69
28	7C / 23	Fred Allen Bailey	452 / 268	6.02
29	7C / 51	Nathan King	720 / 789	9.75
30	7C / 21	Michael S. & Mary Beth Furby	593 / 248	3.00
31	7C / 22.1	Allen B. Jerden	301 / 77	3.35

No.	TM / Par	Owner	Bk / Pg	Ac.
32	7C / 20.1	Daniel R. & Glenna M. Johnston	726 / 830	3.00
33	7C / 20.2	Timothy P. & Glenda R. Weber	603 / 649	2.10
34	7C / 20	Edward W. Holden	726 / 826	5.20
35	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
36	7C / 53.4	Jeremy & Jenny L. Garton	532 / 665	37.21
37	7C / 52.7	Jeremy & Jenny L. Garton	549 / 373	14.03
38	7D / 59	Jeremy & Jenny L. Garton	586 / 138	2.58
39	7D / 54	Joseph & Malissa Miller	584 / 422	1.91
40	7C / 2	James A. & Carol Trefz Smith	343 / 62	9.60
41	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
42	7D / 60	John & Phylis Porterfield	427 / 687	10.00
43	7D / 61	John & Phylis Porterfield	427 / 687	0.46
44	7D / 17	Tyrone D. & Amy B. Campbell	584 / 543	2.73
45	7D / 18	John & Phylis Porterfield	427 / 691	0.58
46	7D / 21	Tyrone D. & Amy B. Campbell	597 / 615	0.67
47	7D / 19	John & Phylis Porterfield	427 / 691	2.50
48	7D / 15	John & Phylis Porterfield	427 / 691	1.57
49	7D / 16	Ricky W. & Kristine L. Frame	670 / 717	10.75
50	7D / 14	John & Phylis Porterfield	427 / 691	0.47
51	7D / 20	James A. & Carol Trefz Smith	343 / 62	0.74
52	7D / 12	James A. & Carol Trefz Smith	343 / 62	28.68
53	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
54	7D / 12.1	Randall D. & Leanna M. Louk	575 / 73	7.21
55	7D / 11	Ricky W. Frame	677 / 723	31.50
56	7D / 5	WVU Board of Governors	584 / 524	323.00
57	7D / 10	Tamela B. Smith, et al	452 / 311	40.00
58	7D / 9.3	Swisher LLC	739 / 833	473.38
59	7E / 29	John K. & Susan D. Butcher	732 / 259	40.97
60	7E / 30	J. Bean Nicholson	509 / 215	61.17
61	7D / 9.1	Deerfield Country Club, Inc.	359 / 409	98.83
62	7C / 20.3	Timothy P. & Glenda R. Weber	726 / 833	0.90

FILE NO: 79-36-12-U-F-18
 DRAWING NO: McDonald 1211 S-8H Well Plat
 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: October 20 2020
 OPERATOR'S WELL NO. McDonald 1211 S-8H
 API WELL NO **MOD**
 47 - 041 - 05705
 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
 QUADRANGLE: BH - Weston

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: HG Energy II Appalachia, LLC

ACREAGE: 61.50

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

LEASE NO: ACREAGE: 145.00

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