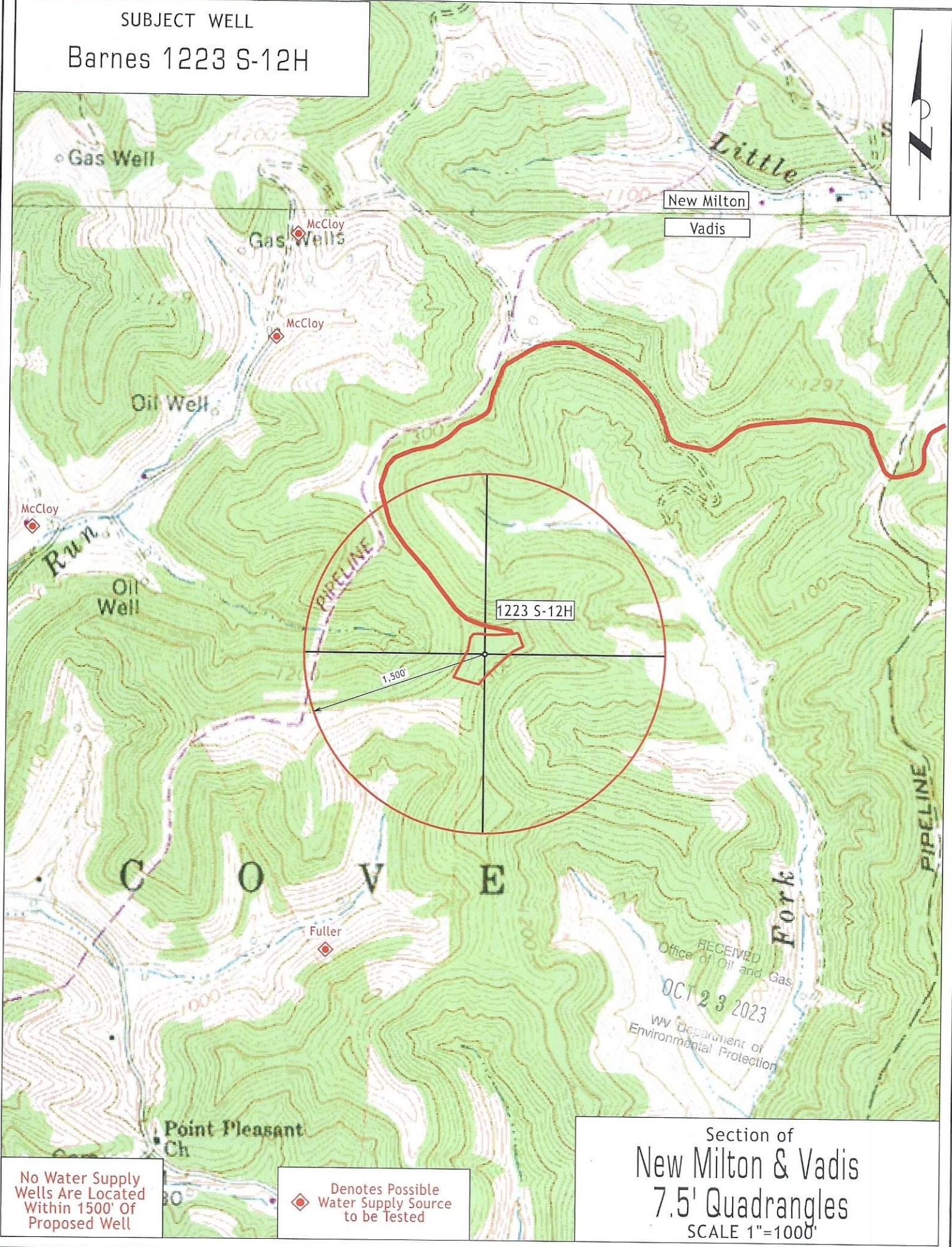


SUBJECT WELL
Barnes 1223 S-12H



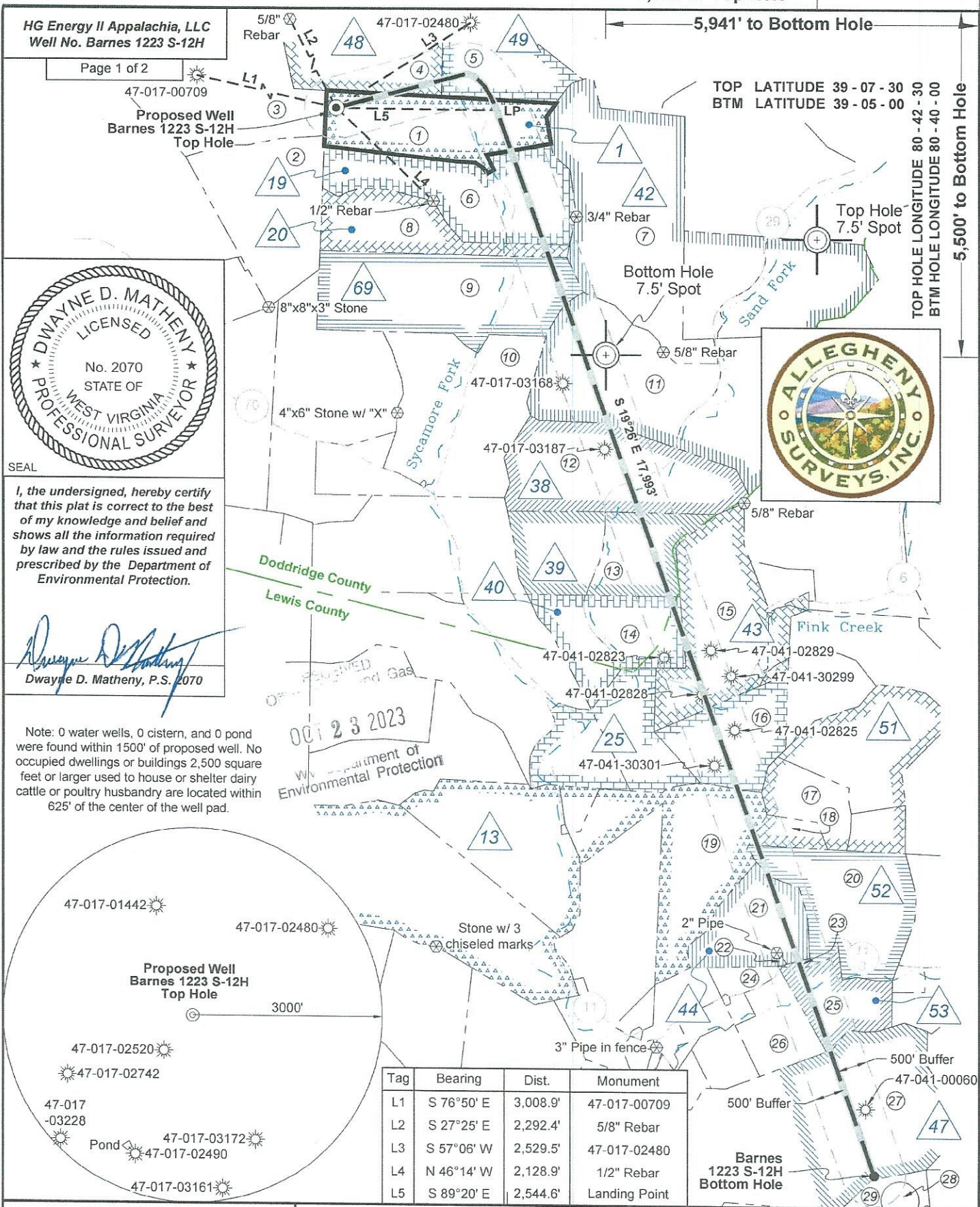
No Water Supply Wells Are Located Within 1500' Of Proposed Well

◆ Denotes Possible Water Supply Source to be Tested

Section of
New Milton & Vadis
7.5' Quadrangles
SCALE 1"=1000'

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12/01/2023



HG Energy II Appalachia, LLC
Well No. Barnes 1223 S-12H

Page 1 of 2
47-017-00709

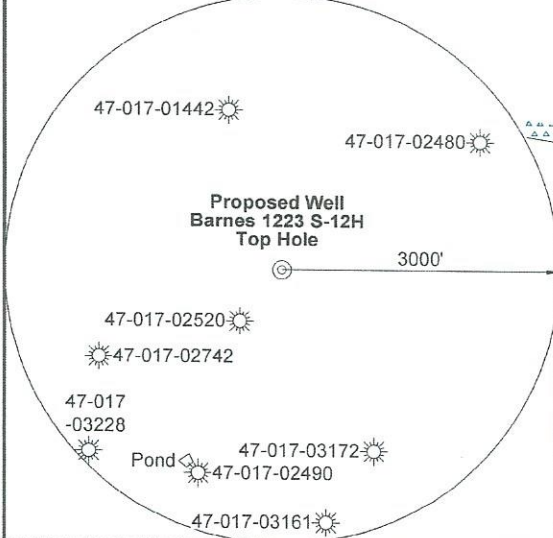
Proposed Well
Barnes 1223 S-12H
Top Hole



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: 0 water wells, 0 cistern, and 0 pond were found within 1500' 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.



FILE NO: 171-12-30-FC-22
DRAWING NO: Barnes 1223 S-12H 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: September 21 2023
OPERATOR'S WELL NO. Barnes 1223 S-12H
API WELL NO
47 - 017 - 06969
STATE COUNTY PERMIT

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

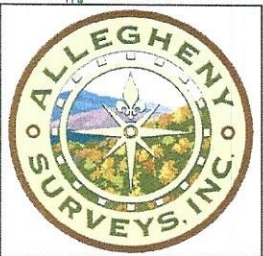
LOCATION: ELEVATION: 1,329' WATERSHED: Fink Creek
DISTRICT: Cove
SURFACE OWNER: Marilyn Barnes, et al
ROYALTY OWNER: Carolyn Rastle Bass, et al LEASE NO: ACREAGE: 123
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,071' MD 7,155' 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

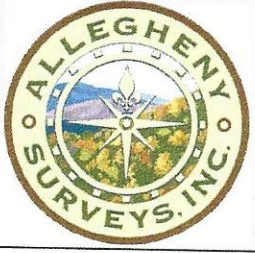
2,586' to Top Hole
5,941' to Bottom Hole

TOP LATITUDE 39-07-30
BTM LATITUDE 39-05-00
TOP HOLE LONGITUDE 80-42-30
BTM HOLE LONGITUDE 80-40-00

5,500' to Bottom Hole
3,649' to Top Hole



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Notes: Well No. Barnes 1223 S-12H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,204,642.59'
E: 1,720,606.87'
Landing Point Coordinates
N: 14,204,613.27'
E: 1,723,151.28'
Bottom Hole Coordinates
N: 14,187,650.45'
E: 1,729,133.54'

Notes: Well No. Barnes 1223 S-12H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°06'53.92" Latitude: 39°04'05.62"
Longitude: 80°43'02.82" Longitude: 80°41'15.35"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,583.721m N: 4,324,404.506m
E: 524,442.023m E: 527,040.957m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

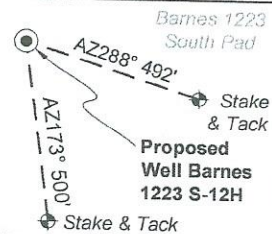
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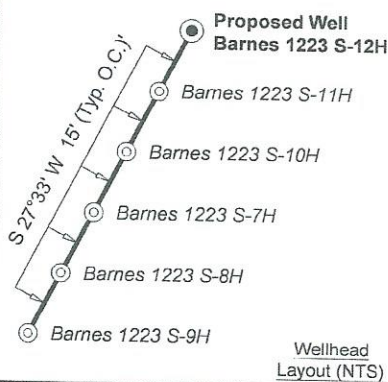
ID	Lease
1	Carolyn Rastle Bass
13	William H. Hall & Mary E. Hall
19	Carolyn Rastle Bass
20	Maxine Cole Rastle
25	HG Energy II Appalachia, LLC
38	HG Energy II Appalachia, LLC
39	HG Energy II Appalachia, LLC
40	HG Energy II Appalachia, LLC
42	Leopold Krenn, et ux
43	HG Energy II Appalachia, LLC
44	G.C. Starcher, et al
47	Lydia Starcher, et al
48	Norma C. Bowyer
49	Wilma Rastle Reed, et vir
51	HG Energy II Appalachia, LLC
52	Dollie Means, et al
53	N.N. Wiseman, et ux, et al
69	Ivah R. Schmidt, et vir, et al

Well Location References
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
- Creek or Drain
- Existing Road
- Surface boundary (approx.)



Doddridge Co. (Cove Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	10 / 16	Marilyn Barnes, et al	W28 / 552	76.10
2	9 / 27	Willard L. Fuller, III	215 / 149	89.00
3	9 / 20	Clyde W. Marsh, et al	W36 / 152	149.00
4	9 / 21	Carolyn R. Bass, et al	239 / 151	120.00
5	10 / 16.1	Richard E. Spracklen	A41 / 714	74.90
6	10 / 17	Marilyn Barnes, et al	W28 / 552	90.00
7	14 / 2	Miriam N. & Ailee Hershberger, Jr.	488 / 622	153.55
8	9 / 28	Maxine S. Rastle	A58 / 287	53.63
9	14 / 1	Maxine S. Rastle	A58 / 287	129.04
10	13 / 17	Maxine S. Rastle	A58 / 287	116.18
11	14 / 2.2	Michael E. Dayhoff	429 / 259	128.50
12	14 / 3	Keith A. Tatro	W56 / 172	101.37
13	14 / 4.1	James & Mary Donnelly	222 / 564	41.20
14	14 / 5.1	Allen Smith	514 / 134	35.46
Lewis Co. (Freemans Creek Dist.)				
No.	TM / Par	Owner	Bk / Pg	Ac.
15	1D / 11	Wayne N. Weiss	W65 / 637	89.24
16	1D / 14	Alice R. Taylor, et al	745 / 851	54.90
17	1D / 15	Dawn C. Lozina, et al	726 / 836	28.96
18	1D / 17	Dawn C. Lozina, et al	726 / 836	11.04
19	1D / 16	Maxine S. Cole Rastle	W55 / 570	99.40
20	2E / 1	Dawn C. Lozina, et al	726 / 836	83.00
21	1E / 51	Stephen C. Schertz	778 / 688	46.00
22	1E / 50	Mark H. Schulte	722 / 936	0.49
23	1E / 52	Mark H. Schulte	722 / 936	1.19
24	1E / 48	Stephen C. Schertz	778 / 688	8.60
25	1E / 53	Elton R. Ross	W20 / 443	36.00
26	1E / 54	Stephen C. Schertz	778 / 688	31.90
27	1E / 44	James R. Radcliff	595 / 26	231.00
28	2E / 22.3	David N. & Rebecca E. King	638 / 776	19.50
29	2E / 22.2	David N. & Rebecca E. King	638 / 776	20.00

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ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101