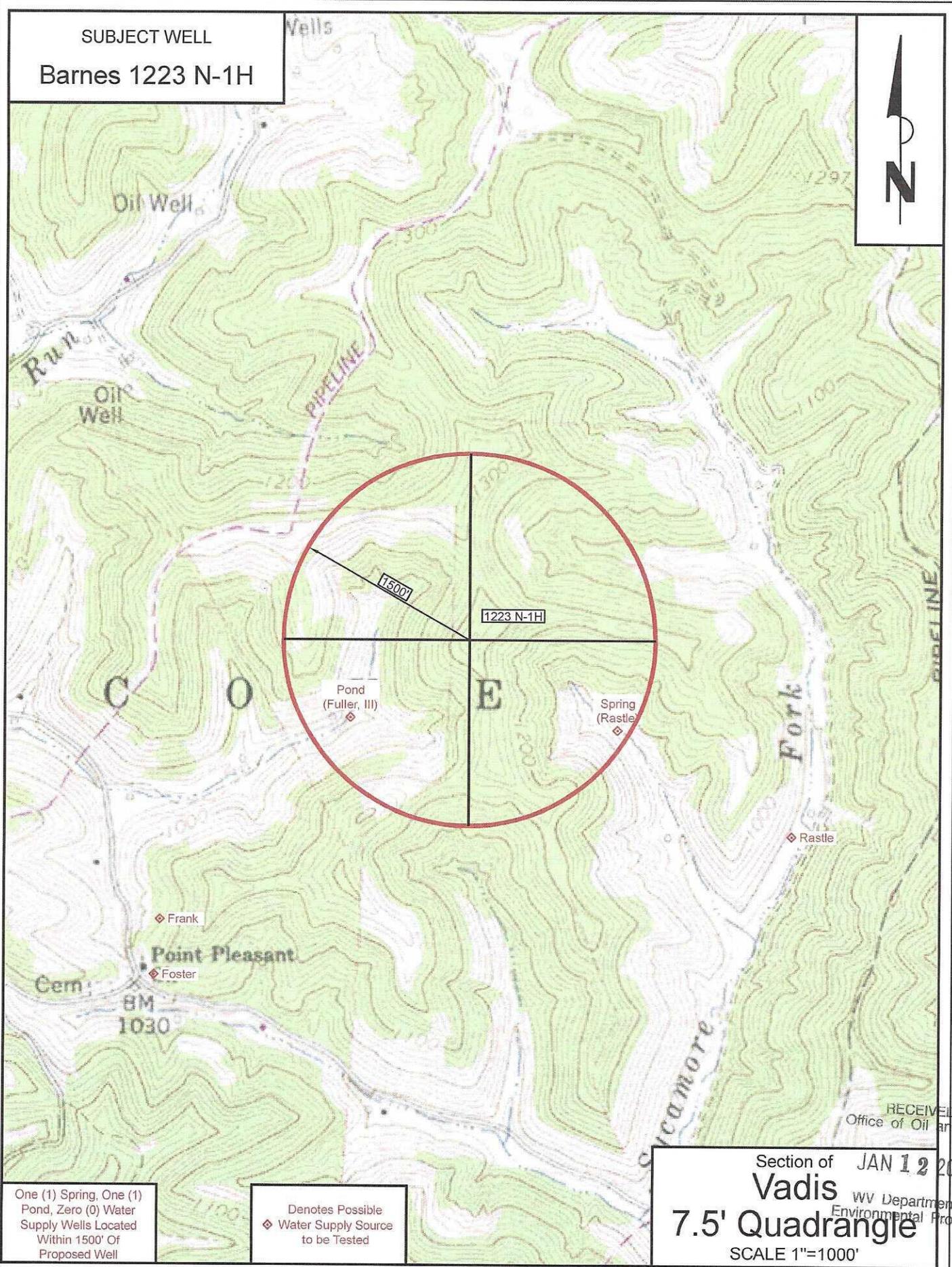


SUBJECT WELL  
Barnes 1223 N-1H



One (1) Spring, One (1) Pond, Zero (0) Water Supply Wells Located Within 1500' Of Proposed Well

Denotes Possible Water Supply Source to be Tested

Section of **Vadis** 7.5' Quadrangle  
SCALE 1"=1000'  
RECEIVED JAN 12 2026  
Office of Oil and Gas  
WV Department of Environmental Protection

02/13/2026

HG Energy II Appalachia, LLC  
Well No. Barnes 1223 N-1H

Page 1 of 2

| Tag | Bearing    | Dist.    |
|-----|------------|----------|
| L1  | S 89°06' W | 1,614.6' |
| L2  | N 64°18' W | 1,171.2' |
| L3  | N 30°28' E | 1,962.0' |
| L4  | N 48°09' E | 1,129.6' |
| L5  | N 84°52' W | 2,187.4' |

1/2" Rebar w/ 4"x4" concrete post

3/4" Rebar in concrete

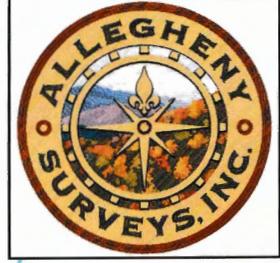
3/4" Rebar

1/2" Rebar @ fence corner

6"x6"x12" Stone w/ "L" chiseled & w/ T-post witness

3"x12"x18" Stone

TOP LATITUDE 39 - 07 - 30  
BTM LATITUDE 39 - 10 - 00



TOP HOLE LONGITUDE 80 - 42 - 30  
BTM HOLE LONGITUDE 80 - 42 - 30

12,721' to Bottom Hole

2,668' to Top Hole

7,490' to Bottom Hole



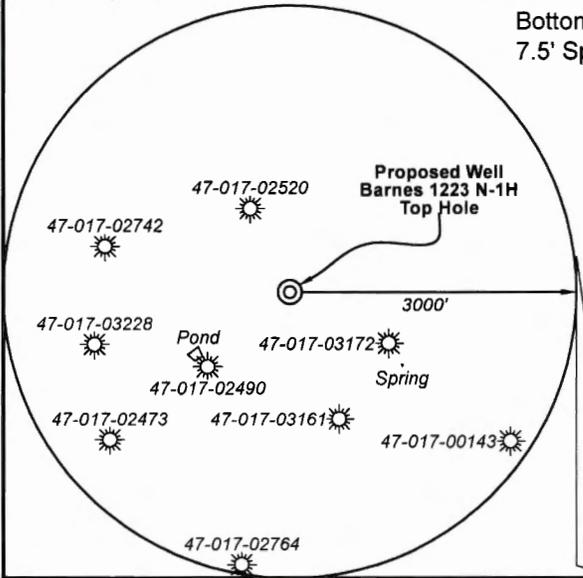
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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



SEAL

Note: 0 water wells, 1 pond, & 1 spring 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.



Barnes 1223 N-1H Bottom Hole

5/8" Rebar

5/8" Rebar @ fence corner

47-017-03547

1/2" Rebar

Bottom Hole 7.5' Spot

2" Pipe

5/8" Rebar

Proposed Well Barnes 1223 N-1H Top Hole

3000'

47-017-02520

47-017-02742

47-017-03228

Pond

47-017-03172

Spring

47-017-02490

47-017-02473

47-017-03161

47-017-00143

47-017-02764

GRID NORTH

500' Buffer

500' Buffer

47-017-03228

47-017-02742

47-017-02490

47-017-03172

47-017-02490

8"x8"x3" Painted stone

Proposed Well Barnes 1223 N-1H Top Hole

1/2" Rebar @ fence corner

DATE: January 22 20 26

OPERATOR'S WELL NO. Barnes 1223 N-1H

API WELL NO

47 - 017 - 07003

STATE COUNTY PERMIT

FILE NO: 171-12-30-FC-22

DRAWING NO: Barnes 1223 N-1H 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

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

LOCATION: ELEVATION: 1,311.55' WATERSHED: Leading Creek

DISTRICT: Cove

SURFACE OWNER: Maxine S. Rastle, et al

ROYALTY OWNER: Maxine Cole Rastle, aka Maxine S. Rastle, et al

LEASE NO: ACREAGE: 53.63

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: 7,272' TVD 15,792' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

ADDRESS: 5260 Dupont Road

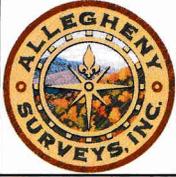
Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White

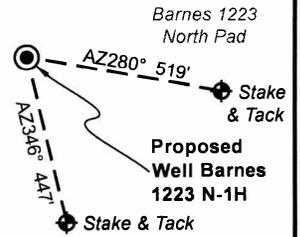
ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

02/13/2026



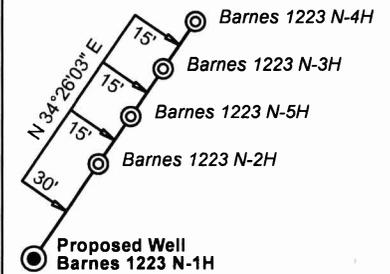
**Well Location References  
Not to Scale**



**Legend**

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)

**Wellhead Layout (NTS)**



| ID | Lease   |
|----|---|
| 1  | Maxine Cole Rastle, aka Maxine S. Rastle, et al |
| 2  | Asset Management, LLC., et al                   |
| 3  | William M. Bailey, aka William M. Baily, et al  |
| 4  | James L. Marsh, et al                           |
| 6  | Lulu C. Schmidt, Widow, et al                   |
| 7  | Marie & Edmond Cole, et al                      |
| 8  | Rosa M. Hinter, et al                           |
| 9  | James J. Hinter Life Estate, et al              |

| Doddridge County |          |                              |             |        |
|------------------|----------|------------------------------|-------------|--------|
| No.              | TM / Par | Owner                        | Bk / Pg     | Ac.    |
| 1                | 9 / 28   | Maxine S. Rastle, et al      | AB 58 / 287 | 53.63  |
| 2                | 10 / 17  | Marilyn Barnes, et al        | W28 / 552   | 90.00  |
| 3                | 9 / 27   | Willard L. Fuller, III       | 215 / 149   | 89.00  |
| 4                | 9 / 26   | Chestnut Oak, LLC            | 513 / 465   | 91.75  |
| 5                | 9 / 24   | Charles Wellings             | 94 / 478    | 204.50 |
| 6                | 9 / 20   | Clyde W. Marsh, et al        | W36 / 152   | 149.00 |
| 7                | 9 / 19   | James J. & Leopold W. Hinter | 211 / 1     | 26.00  |
| 8                | 9 / 18   | Nelson G. McCloy             | 269 / 190   | 95.00  |
| 9                | 9 / 11.1 | James J. & Leopold W. Hinter | 211 / 1     | 61.21  |
| 10               | 9 / 8.1  | James J. Hinter              | 238 / 287   | 61.10  |
| 11               | 9 / 9    | James J. & Leopold W. Hinter | AB 35 / 77  | 34.25  |
| 12               | 9 / 10   | James J. & Leopold W. Hinter | AB 35 / 77  | 93.00  |
| 13               | 5 / 29   | Sam Marano, Jr.              | 230 / 191   | 33.11  |
| 14               | 9 / 11   | Ann M. & Rebecca Zirkle      | 230 / 191   | 33.11  |
| 15               | 5 / 29.2 | HG Energy II Appalachia      | W124 / 142  | 100.96 |
| 16               | 5 / 29.1 | HG Energy II Appalachia      | 358 / 349   | 20.16  |
| 17               | 5 / 20   | Catherine S. Ross            | 302 / 481   | 131.98 |

**West Virginia Coordinate System of 1927, North Zone**  
based upon Differential GPS Measurements.

**UTM Zone 17, NAD 1983**  
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. Barnes 1223 N-1H**  
**WVCS 1927, North Zone**  
Top Hole Coordinates  
Lat: 39°06'39.11"  
Lon: 80°43'03.86"  
Landing Point Coordinates  
Lat: 39°06'41.11"  
Lon: 80°43'31.50"  
Bottom Hole Coordinates  
Lat: 39°07'54.22"  
Lon: 80°44'05.08"

**Notes: Well No. Barnes 1223 N-1H**  
**UTM NAD 1983 (USFS)**  
Top Hole Coordinates  
N: 14,203,144.54'  
E: 1,720,529.74'  
Landing Point Coordinates  
N: 14,203,340.48'  
E: 1,718,351.18'  
Bottom Hole Coordinates  
N: 14,210,726.04'  
E: 1,715,683.86'

**Notes: Well No. Barnes 1223 N-1H**  
**UTM NAD 1983 (Meters)**  
Top Hole Coordinates  
N: 4,329,127.114m  
E: 524,418.514m  
Landing Point Coordinates  
N: 4,329,186.837m  
E: 523,754.487m  
Bottom Hole Coordinates  
N: 4,331,437.960m  
E: 522,941.486m

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DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**



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