

8,953' to Bottom Hole

8,370' to Top Hole

TOP LATITUDE 39 - 07 - 30

TOP LONGITUDE 80 - 27 - 30

2,496' to Top Hole

9,983' to Bottom Hole



SEAL

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.

Kevin S. James
Kevin S. James, P.S. 2305

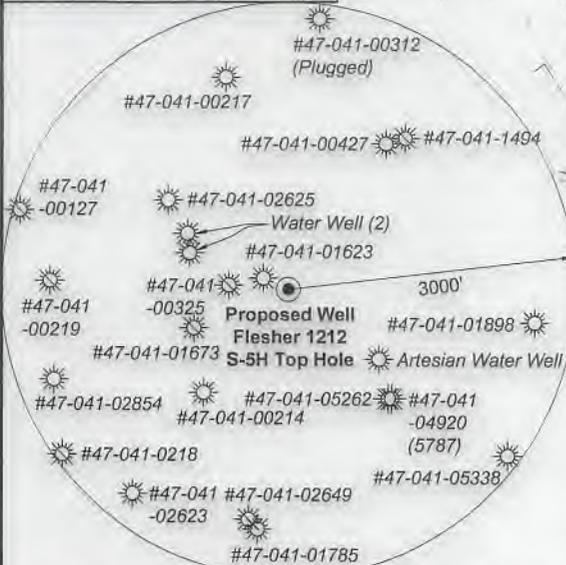


Hackers Creek District

Flesher 1212 S-5H Bottom Hole

Bottom Hole 7.5' Spot

Freemans Creek District



Note: 2 water wells and 1 artesian well was 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: 156-36-12-U-F-19
DRAWING NO: Flesher 1212 S-5H 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: November 24 2020
OPERATOR'S WELL NO. Flesher 1212 S-5H
API WELL NO. 46A
47 - 041 - 05715
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top: Weston
Btm: Big Isaac

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: H.G. Energy II Appalachia, LLC

ACREAGE: 70.00

ROYALTY OWNER: W.D. Hitt, et al, et al

LEASE NO: ACREAGE: 210.00

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: 14,720' MD 6,925' 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

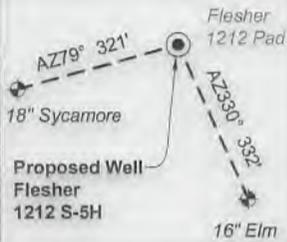


Notes: Well No. Flesher 1212 S-5H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°07'05.32" Longitude: 80°29'16.24"
Bottom Hole coordinates Latitude: 39°05'51.29" Longitude: 80°29'23.60"
UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,330,022.633m E: 544,290.716m
Bottom Hole Coordinates N: 4,327,739.564m E: 544,126.801m
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. Flesher 1212 S-5H
UTM NAD 1983 (USSF)
Top Hole Coordinates N: 14,206,082.59' E: 1,785,727.12'
Landing Point Coordinates N: 14,204,561.22' E: 1,783,080.12'
Bottom Hole Coordinates N: 14,198,592.22' E: 1,785,189.34'

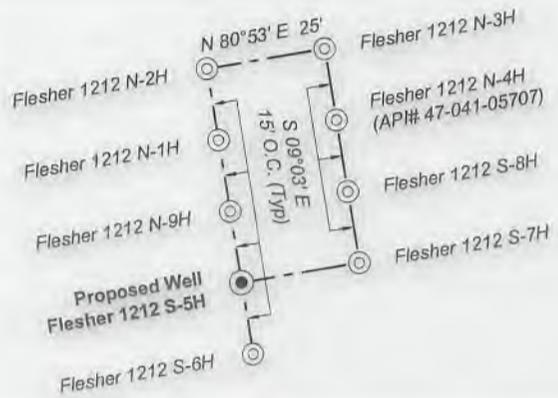
Well Location References
Not to Scale

Legend

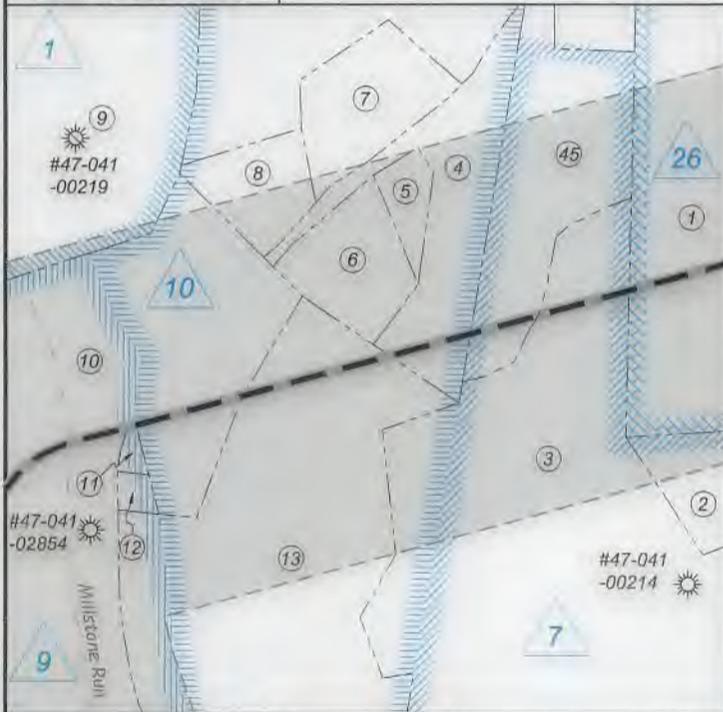


- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

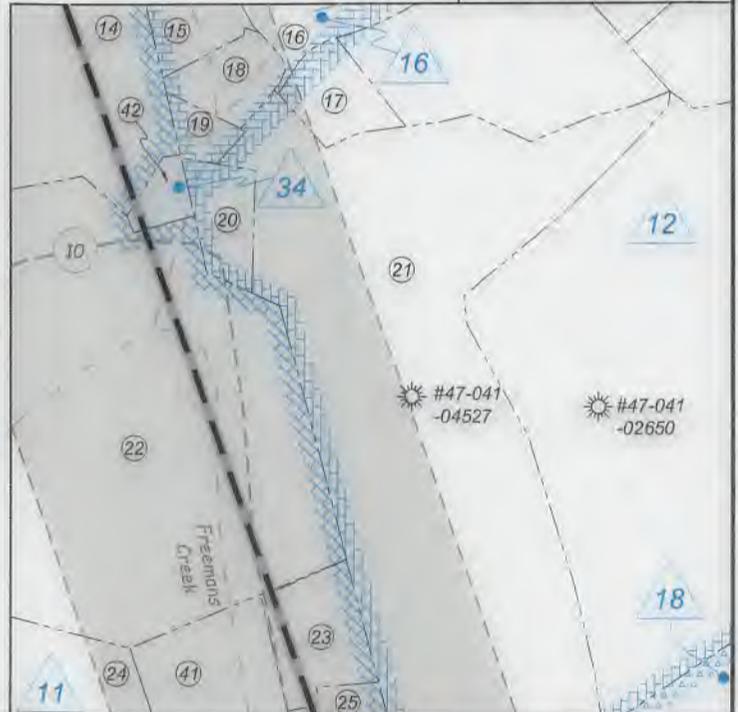
Wellhead Layout (NTS)



Detail 1 (Scale 1"=500')



Detail 2 (Scale 1"=500')



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DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 24 2020
OPERATOR'S WELL NO. Flesher 1212 S-5H
API WELL NO. HGA
47 - 041 - 05715
STATE COUNTY PERMIT

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QUADRANGLE: Btm: Big Isaac Top: Weston

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COUNTY: Lewis

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Lewis Co. - Freeman Creek Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
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6	6C / 23.6	Gary Farris	700 / 769	2.02
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33	6D / 27.1	Karen Sue Carson	553 / 232	2.00
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36	6D / 30.1	Charles F. Bailey	W25 / 263	5.37
37	6D / 29	Tina M. Burnside	W42 / 563	1.91
38	6D / 29.1	Mary J. Bailey Trust	W49 / 571	14.09
39	6D / 37	Charles R. Kemper	487 / 688	13.40
40	6D / 55	Edward E. Garrett	482 / 153	95.00
41	6C / 13	Eastern Gas Transmission & Storage, Inc.	427 / 545	6.57
42	6C / 16	Valley Chapel U.M. Church	7 / 285	0.33
43	6D / 25.2	WV American Water Co.	583 / 337	0.01
44	6D / 30	Scott & Amy Carpenter	709 / 826	3.93
45	6C / 23	Richard G. & Loretta E. Hayhurst	566 / 355	34.80

Tag	Bearing	Dist.	Description
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L3	N 68°32' E	1,591.1'	1" Iron pipe
L4	S 52°34' E	1,566.3'	#47-041-02625
L5	S 60°07' W	3,053.1'	Landing point

ID	Lease
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7	Pearla A. Norris, et al
9	J.S. Norris
10	J.S. Norris, et al
11	Abram Gaston
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18	W.E. Carpenter, et al
26	W.D. Hitt, et al
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FILE NO: 156-36-12-U-F-19

DRAWING NO: Flesher 1212 S-5H 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: November 24 2020

OPERATOR'S WELL NO. Flesher 1212 S-5H

API WELL NO HGA

47 — 041 — 05715
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek

QUADRANGLE: Btm: Big Isaac
Top: Weston

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: H.G. Energy II Appalachia, LLC

ACREAGE: 70.00

ROYALTY OWNER: W.D. Hitt, et al, et al

LEASE NO: ACREAGE: 210.00

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: 6,925' TVD
14,720' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

HG Energy II Appalachia, LLC
Well No. Flesher 1212 S-5H

Page 1 of 3

8,953' to Bottom Hole

8,370' to Top Hole

TOP LATITUDE 39 - 07 - 30

TOP LONGITUDE 80 - 27 - 30

2,496' to Top Hole

9,983' to Bottom Hole



SEAL

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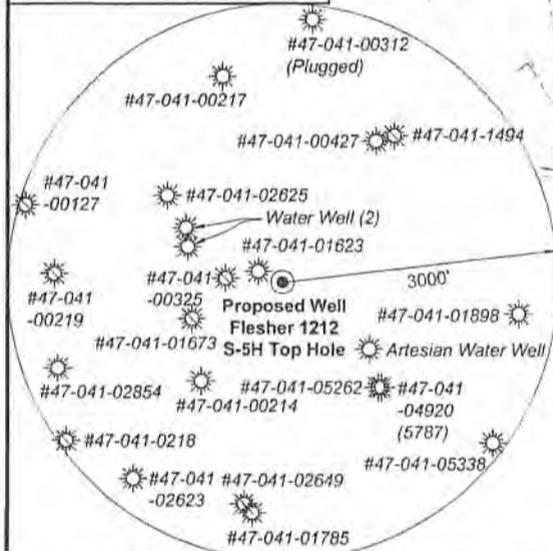


Hackers Creek District

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Office of Oil and Gas

DEC 28 2020

WV Department of Environmental Protection



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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: November 24 2020

OPERATOR'S WELL NO. Flesher 1212 S-5H

API WELL NO 464

47 - 041 - 05115
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top: Weston

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: H.G. Energy II Appalachia, LLC

ACREAGE: 70.00

ROYALTY OWNER: W.D. Hitt, et al, et al

LEASE NO: ACREAGE: 210.00

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PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 14,720' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

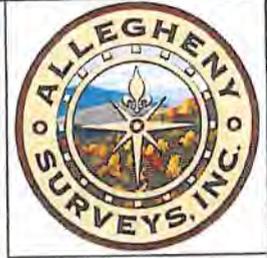
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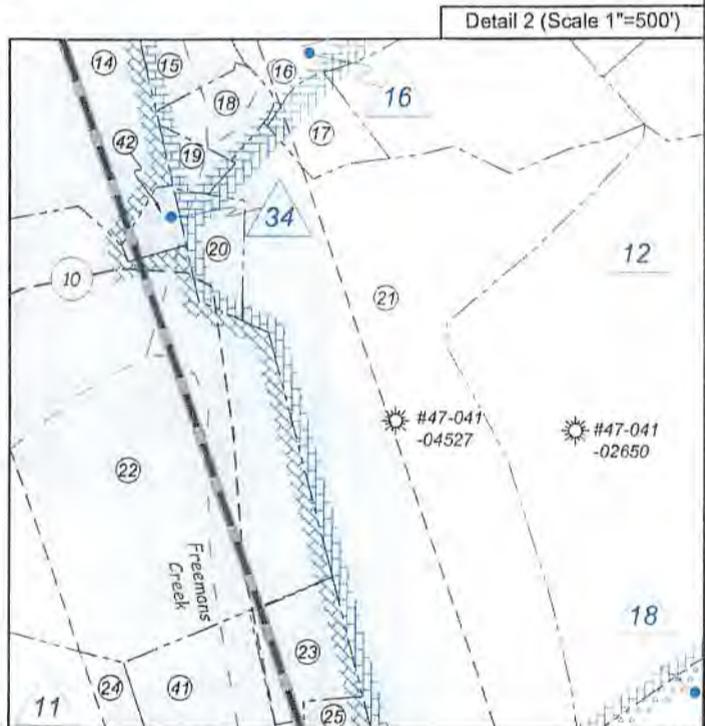
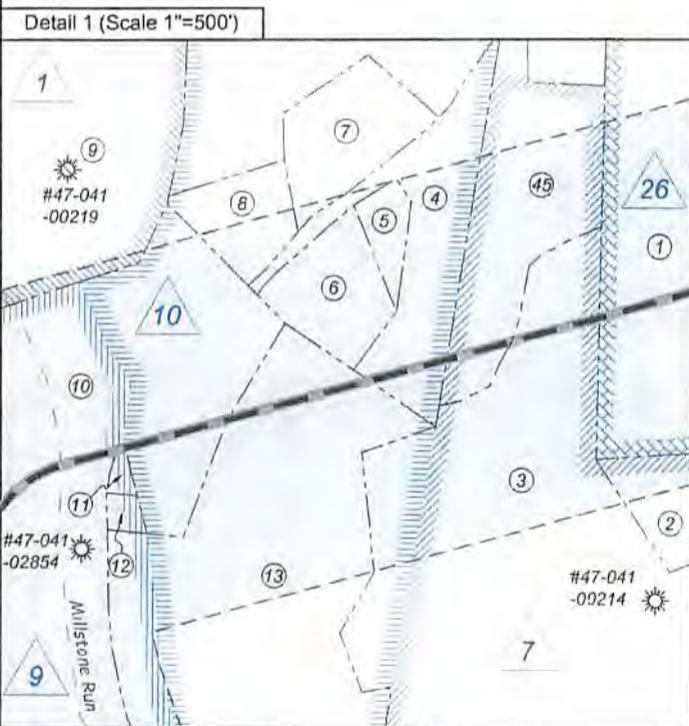
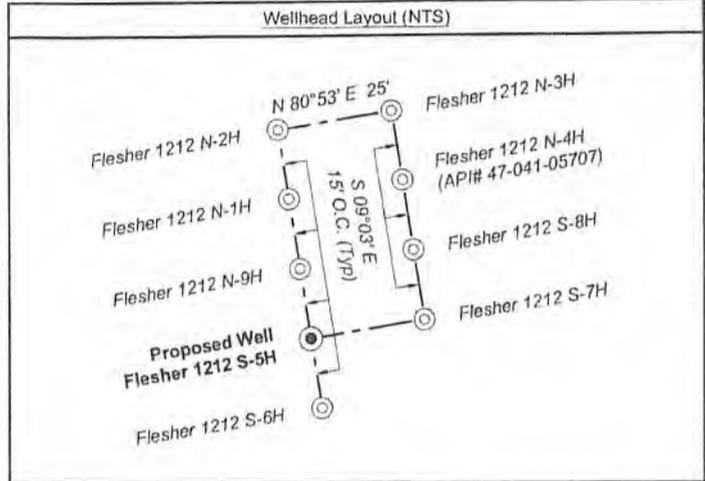
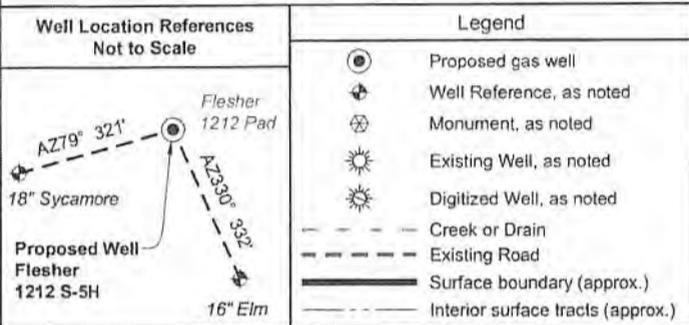


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Office of Oil and Gas

DEC 28 2020

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Environmental Protection

<p>Notes: Well No. Flesher 1212 S-5H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Top Hole coordinates Bottom Hole coordinates Latitude: 39°07'05.32" Latitude: 39°05'51.29" Longitude: 80°29'16.24" Longitude: 80°29'23.60" UTM Zone 17, NAD 1983 Top Hole Coordinates Bottom Hole Coordinates N: 4,330,022.633m N: 4,327,739.564m E: 544,290.716m E: 544,126.801m Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.</p>	<p>Notes: Well No. Flesher 1212 S-5H UTM NAD 1983 (USSF) Top Hole Coordinates N: 14,206,082.59' E: 1,785,727.12' Landing Point Coordinates N: 14,204,561.22' E: 1,783,080.12' Bottom Hole Coordinates N: 14,198,592.22' E: 1,785,189.34'</p>
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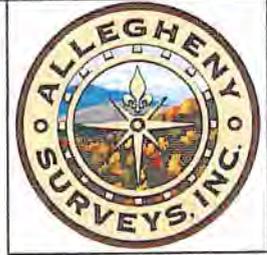
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 24 2020
OPERATOR'S WELL NO. Flesher 1212 S-5H
API WELL NO **HGA**
47 — 041 — **05715**
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek QUADRANGLE: Btm: Big Isaac
DISTRICT: Freemans Creek Top: Weston
SURFACE OWNER: H.G. Energy II Appalachia, LLC COUNTY: Lewis
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: _____ ACREAGE: 210.00
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WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
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Parkersburg, WV 26101 Parkersburg, WV 26101



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OIL AND GAS DIVISION

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API WELL NO. #64
47 — 041 — 05715
STATE COUNTY PERMIT

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(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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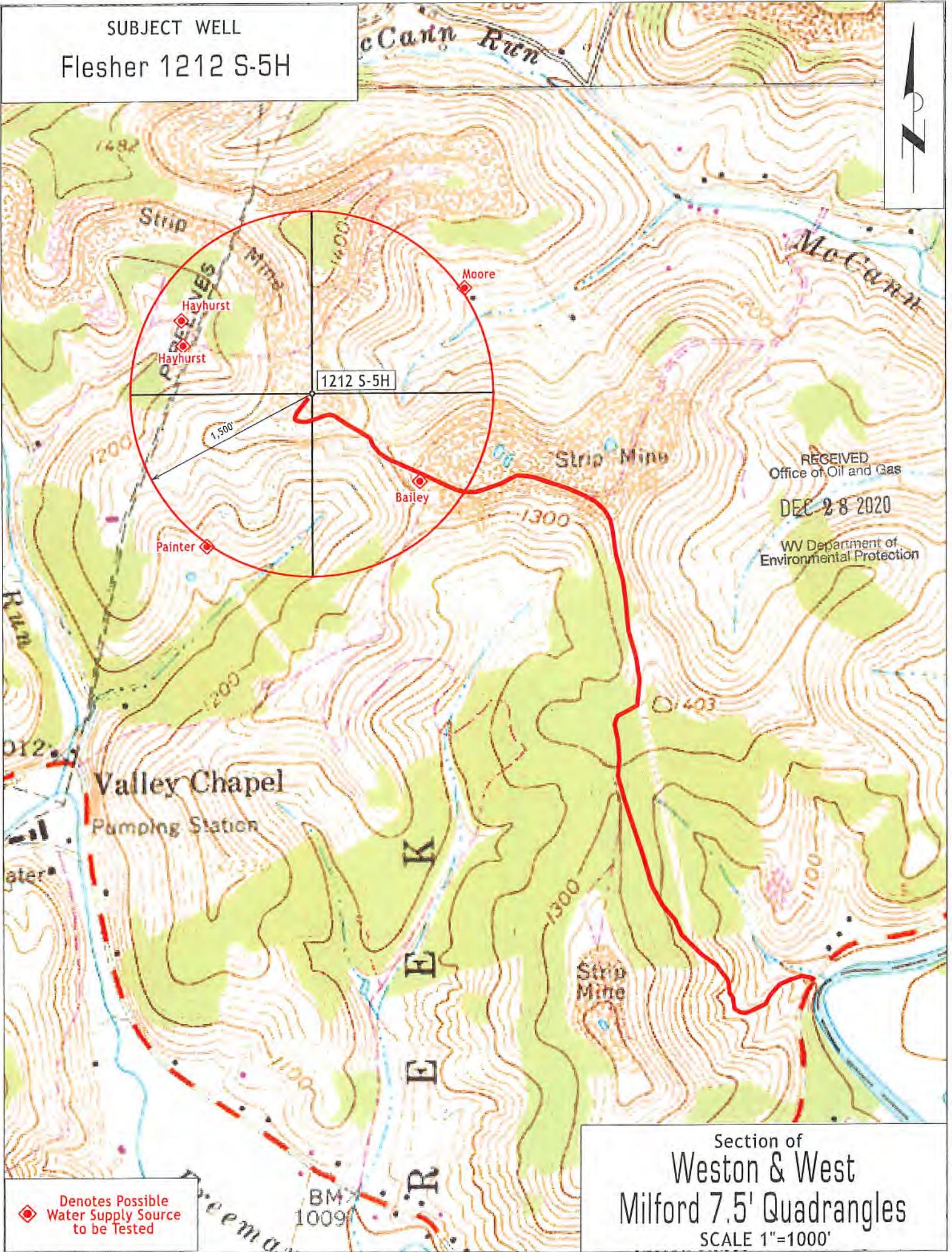
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Parkersburg, WV 26101

SUBJECT WELL
Flesher 1212 S-5H



RECEIVED
Office of Oil and Gas
DEC 28 2020
WV Department of
Environmental Protection

Denotes Possible
Water Supply Source
to be Tested

Section of
Weston & West
Milford 7.5' Quadrangles
SCALE 1"=1000'