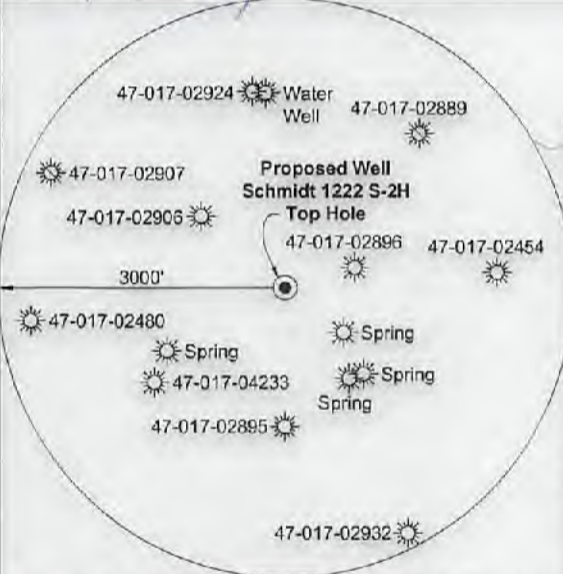
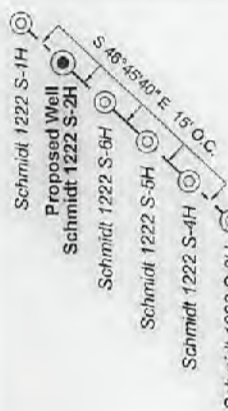




I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

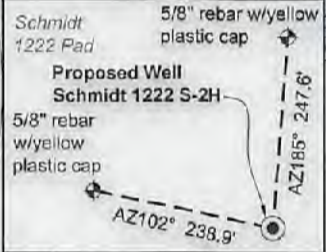
Dwayne D. Matheny, P.S. 2070

Wellhead Layout (NTS)



Note: 0 water wells & 4 springs 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.

Well Location References Not to Scale



Tag	Bearing	Dist.
L1	S 61°54' E	803.1'
L2	S 43°20' W	1,116.9'
L3	N 86°14' W	2,021.8'
L4	N 00°40' W	1,460.7'
L5	S 35°39' W	816.9'

FILE NO: 156-12-FC-21
DRAWING NO: Schmidt 1222 S-2H 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

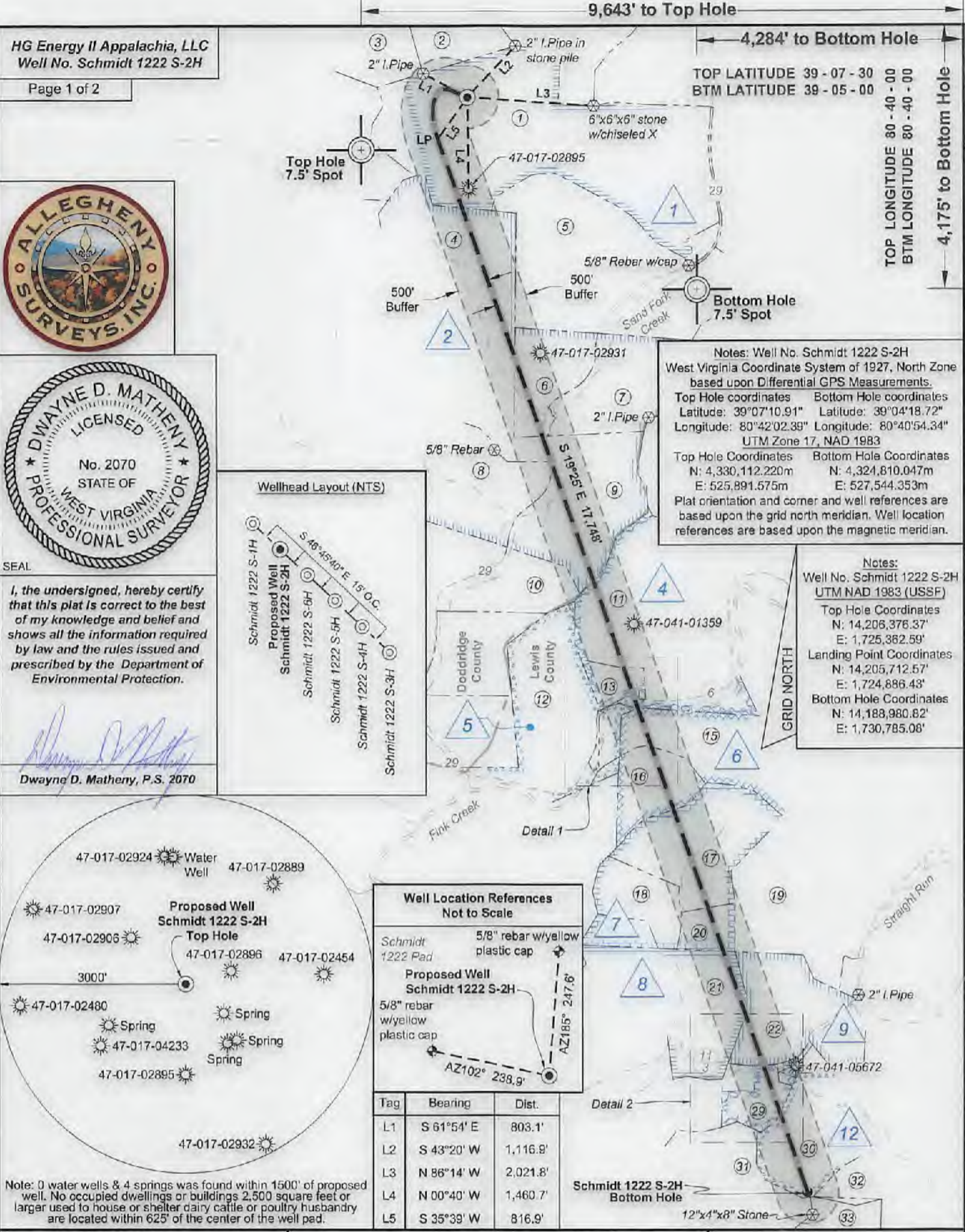
DATE: September 27 2021
OPERATOR'S WELL NO. Schmidt 1222 S-2H
API WELL NO
47 - 017 - 06910
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,111' WATERSHED: Sand Fork of Fink Creek
DISTRICT: Cove/Freemans Creek
SURFACE OWNER: John A. Schmidt
ROYALTY OWNER: Frona M. Schmidt, et ux, et al LEASE NO: ACREAGE: 289.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Drill pilot hole, plug back & drill horizontal well 6,962' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 25,301' 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



Notes: Well No. Schmidt 1222 S-2H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'10.91" Latitude: 39°04'18.72"
Longitude: 80°42'02.38" Longitude: 80°40'54.34"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,330,112.220m N: 4,324,810.047m
E: 525,891.575m E: 527,544.353m
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. Schmidt 1222 S-2H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,376.37'
E: 1,725,362.59'
Landing Point Coordinates
N: 14,205,712.57'
E: 1,724,886.43'
Bottom Hole Coordinates
N: 14,188,980.82'
E: 1,730,785.08'

9,643' to Top Hole

4,284' to Bottom Hole

TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 05 - 00

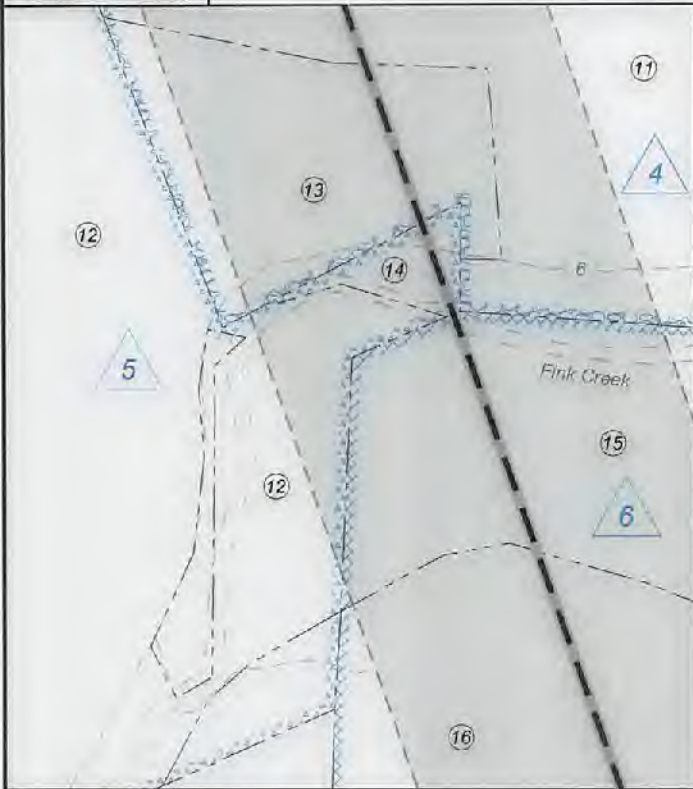
TOP LONGITUDE 80 - 40 - 00
BTM LONGITUDE 80 - 40 - 00

4,175' to Bottom Hole

1,931' to Top Hole



Detail 1 (1"=500')



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.)
- Adjoiner surface tracts (approx.)
- County Line (approx.)

ID	Lease
1	Frona M. Schmidt, et al
2	Leopold Krenn, et al
4	Theresa M. Bode, et al
5	HG Energy II Appalachia, LLC
6	HG Energy II Appalachia, LLC
7	HG Energy II Appalachia, LLC
8	Dollie Means, et al
9	W.E. Means, et al
11	Oleta Yeager
12	C.E. Latlea, et al

Detail 2 (1"=500')



Doddridge Co. - Cove Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	10 / 18.1	John A. Schmidt	281 / 622	237.07
2	10 / 2.3	Daniel L. & Yvette L. King	336 / 355	44.41
3	10 / 2.4	John Geelhaar	178 / 482	99.12
4	14 / 2	Georganna & Henry Miller, Jr.	333 / 202	163.55
5	10 / 19	Marilyn Barns & Carolyn Bass	W28 / 52	175.00
6	14 / 2.4	Marguerite Dombroski	W33 / 526	38.43
7	14 / 2.3	John W. & Jennie Lacy	216 / 509	63.04
8	14 / 2.2	Michael E. Dayhoff	429 / 259	128.60
9	14 / 2.1	Lois Hluhan	262 / 583	80.60
10	14 / 3	Keith A. Tatro, et al	W56 / 172	103.00
Lewis Co. - Freemans Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
11	1D / 12	Dolores Hinterer	WB Y / 218	138.19
12	1D / 11	Claude E. & Barbara Moorefield	452 / 520	133.88
13	1D / 13	Dolores Hinterer	511 / 165	12.00
14	1D / 11.1	Marvin & Douglas Shinn	680 / 893	1.38
15	2D / 6	Margaret Hambery Estate	Appr 533 / 46	57.25
16	1D / 11.2	James Byer, Jr.	603 / 60	30.03
17	2D / 8	Dawn C. Lozina, et al	726 / 836	63.95
18	1D / 15	Dawn C. Lozina, et al	726 / 836	28.96
19	2D / 13	Sharon & Francis L. Harlaub, Jr.	639 / 89	104.34
20	2D / 9	Dawn C. Lozina, et al	726 / 836	18.05
21	2E / 21	Dawn C. Lozina, et al	726 / 836	83.00
22	2E / 2	Brenda J. Parks Lydon, et al	747 / 856	87.61
23	2E / 10.4	Danny J. & Thelma L. Davisson	423 / 248	0.25
24	2E / 10.1	Craig A. Wright, II	715 / 777	0.21
25	2E / 10.3	Ronald L. & Wendy L. Batts	747 / 340	0.25
26	2E / 8	James G. Ireland	639 / 493	1.15
27	2E / 5	James R. & Kathy A. Ireland	612 / 38	2.75
28	2E / 9	Craig A. Wright, II	715 / 777	4.72
29	2E / 10	Craig A. Wright, II	715 / 777	20.48
30	2E / 12	Fred J. Rinker, et al	809 / 481	71.25
31	1E / 44	James R. Radcliff	446 / 551	231.00
32	2E / 37	Frank & Lillie Swisher	837 / 691	33.00
33	2E / 18	David N. & Rebecca King	638 / 776	35.05

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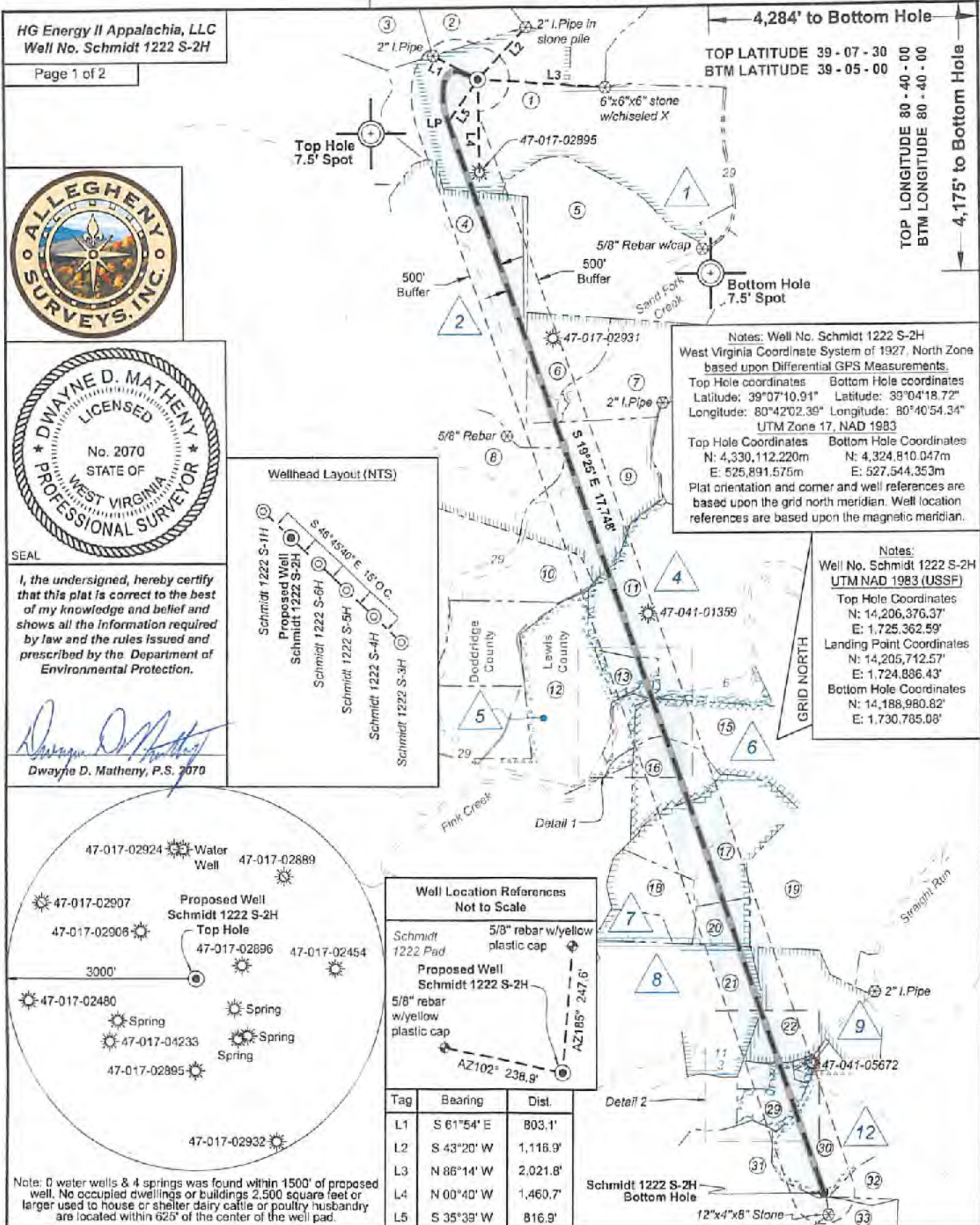
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: September 27 2021
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API WELL NO
47 - 017 - 06910
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,111' WATERSHED: Sand Fork of Fink Creek
DISTRICT: Cove/Freemans Creek QUADRANGLE: Vacis
SURFACE OWNER: John A. Schmidt COUNTY: ~~12~~ 17, ~~03~~ 024
ROYALTY OWNER: Frona M. Schmidt, et ux, et al LEASE NO: ACREAGE: 237.07
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Drill pilot hole, plug back & drill horizontal well 6,962' TWD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 25,301' 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

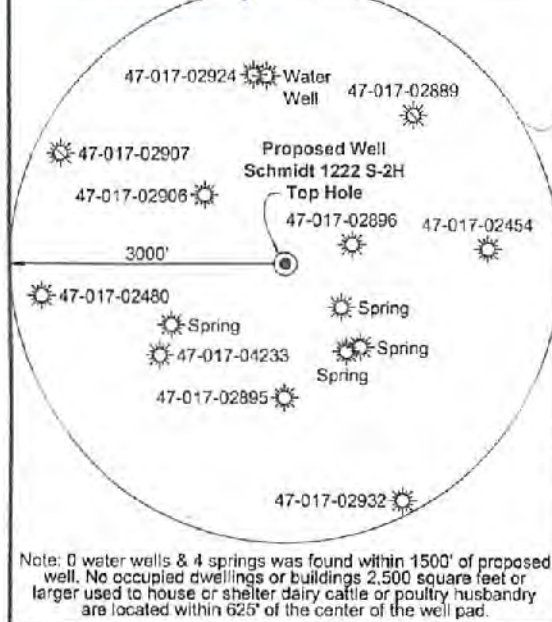


HG Energy II Appalachia, LLC
Well No. Schmidt 1222 S-2H
Page 1 of 2



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



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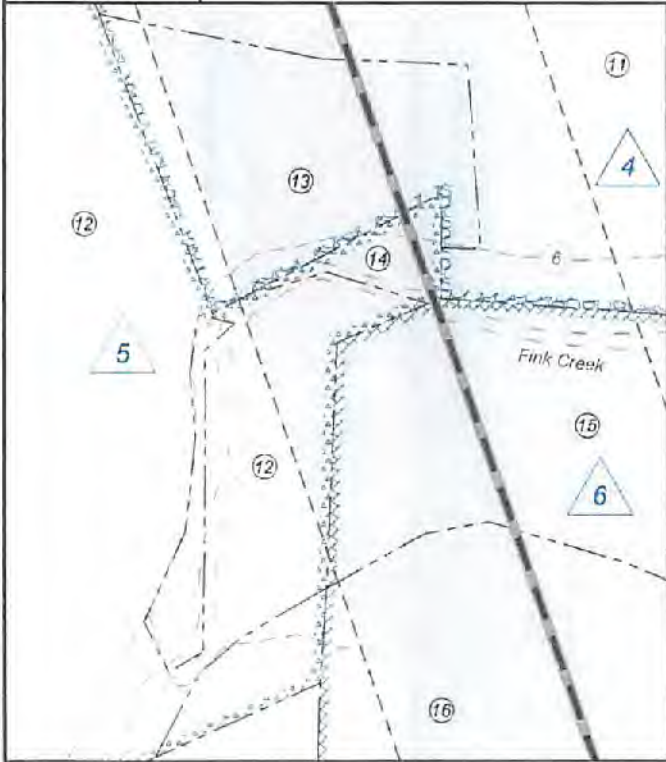
LOCATION: ELEVATION: 1,111' WATERSHED: Sand Fork of Fink Creek QUADRANGLE: Vadis
DISTRICT: Cove/Freemans Creek COUNTY: Doddridge/Lewis
SURFACE OWNER: John A. Schmidt ACREAGE: 12703/2021
ROYALTY OWNER: Frona M. Schmidt, et ux, et al LEASE NO: ACREAGE: 289.00

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OIL AND GAS DIVISION

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

SUBJECT WELL
Schmidt 1222 S-2H



Denotes Possible Water Supply Source to be Tested

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