

2,845' to Bottom Hole

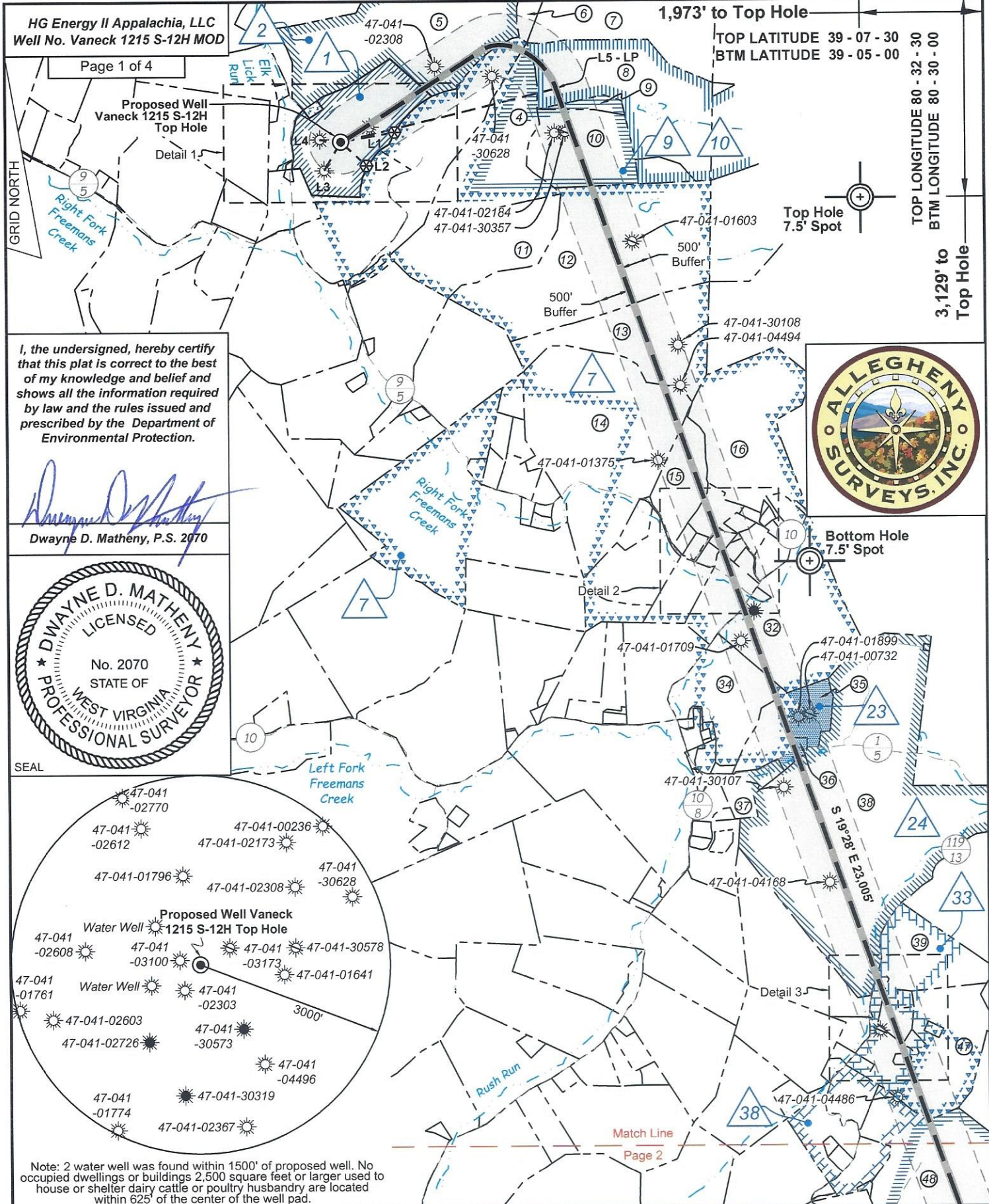
1,973' to Top Hole

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

TOP LONGITUDE 80 - 32 - 30
BTM LONGITUDE 80 - 30 - 00

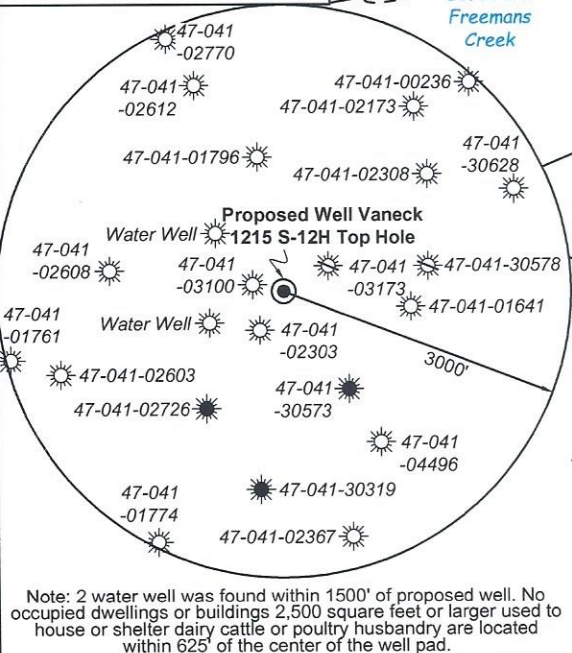
3,129' to Top Hole

8,865' 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



Note: 2 water 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-UFC-20
DRAWING NO: Vaneck 1215 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

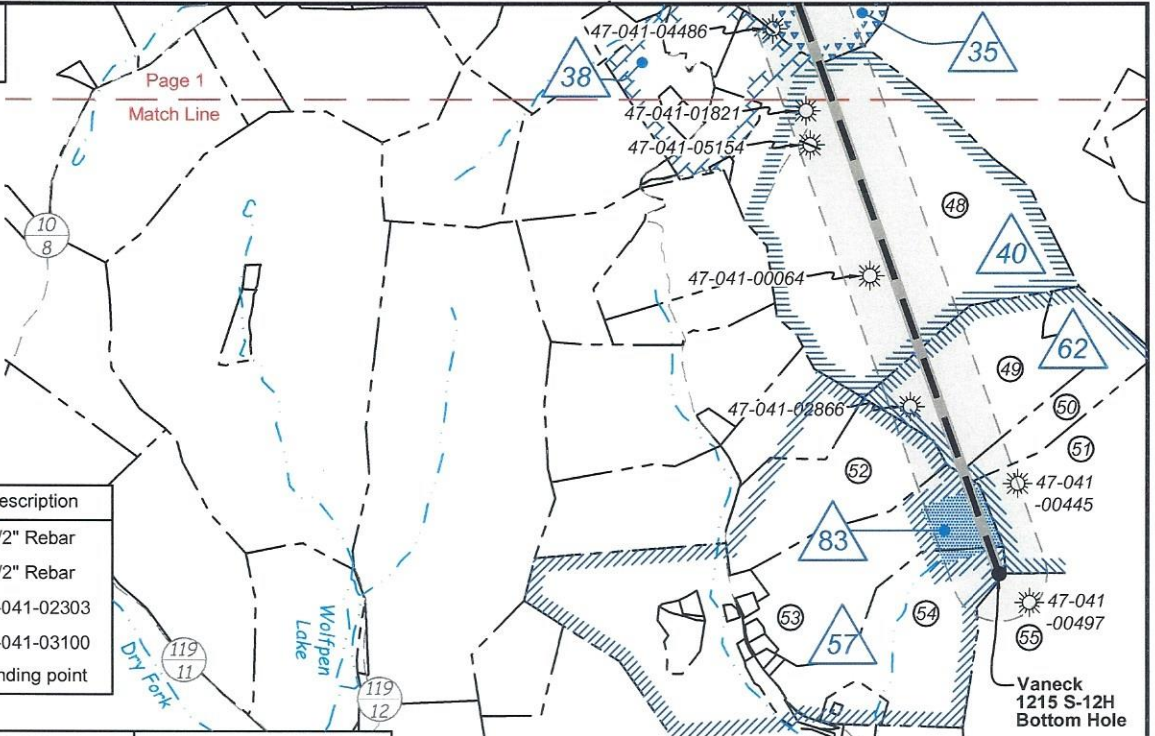
DATE: February 9 2023
OPERATOR'S WELL NO. Vaneck 1215 S-12H
API WELL NO
47 - 041 - 05738
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek QUADRANGLE: Camden
DISTRICT: Freemans Creek COUNTY: Lewis
SURFACE OWNER: HG Energy II, Appalachia, LLC, et al ACREAGE: 55.00
ROYALTY OWNER: George W. Waggoner, et ux, et al LEASE NO: ACREAGE: 56.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH-MOD 7,040' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 32,080' 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

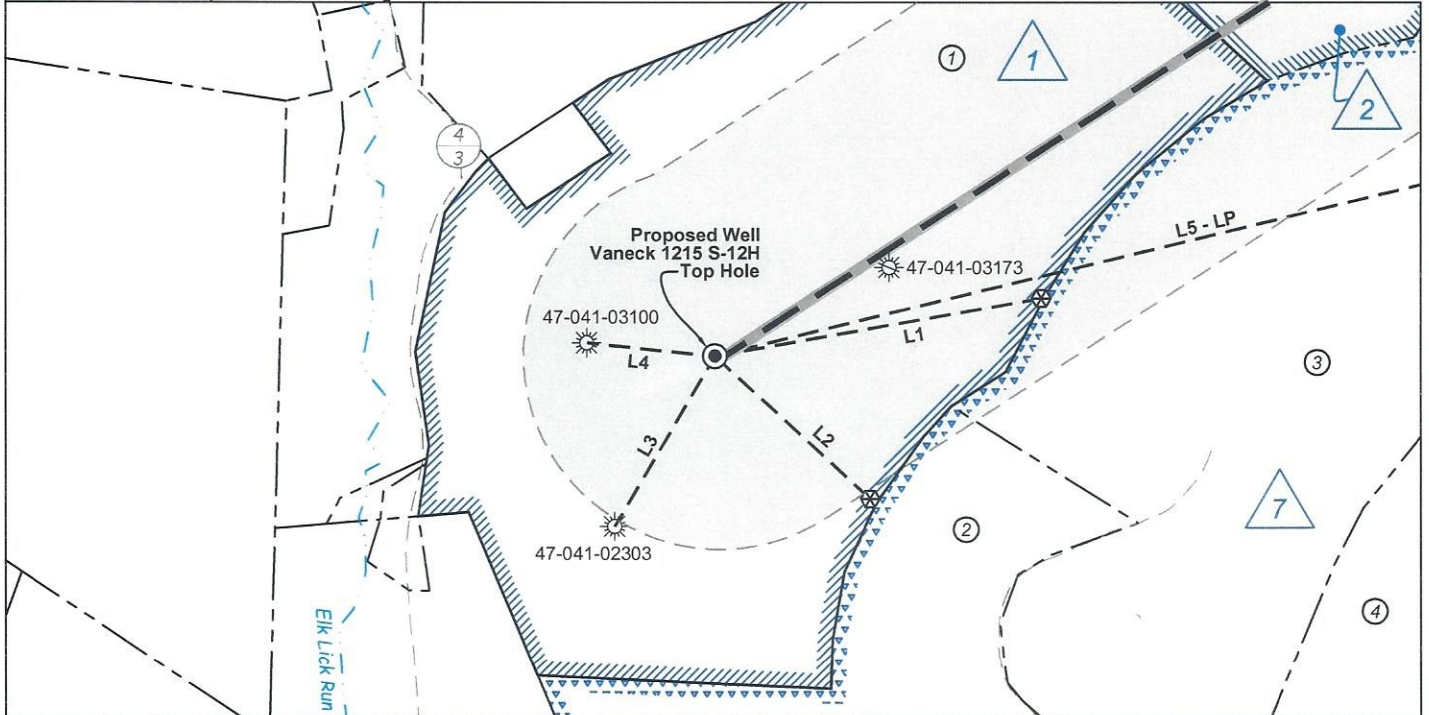


Tag	Bearing	Dist.	Description
L1	S 80°02' W	865.0'	1/2" Rebar
L2	N 47°12' W	551.5'	1/2" Rebar
L3	N 30°18' E	518.1'	47-041-02303
L4	S 84°05' E	335.9'	47-041-03100
L5	N 76°21' E	3,502.0'	Landing point

Notes: Well No. Vaneck 1215 S-12H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°06'59.06" Longitude: 39°03'32.35"
Longitude: 80°32'55.04" Longitude: 80°30'36.08"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,801.647m N: 4,323,446.902m
E: 539,037.232m E: 542,408.891m
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. Vaneck 1215 S-12H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,357.57'
E: 1,768,491.32'
Landing Point Coordinates
N: 14,206,184.31'
E: 1,771,894.34'
Bottom Hole Coordinates
N: 14,184,508.71'
E: 1,779,553.17'

Detail 1 (1"=500')



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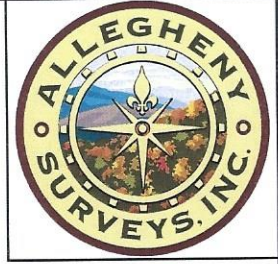
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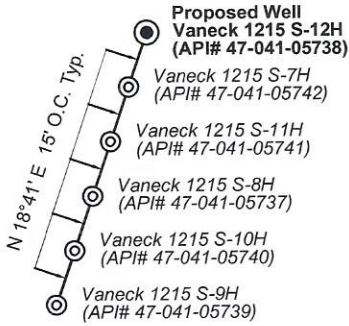
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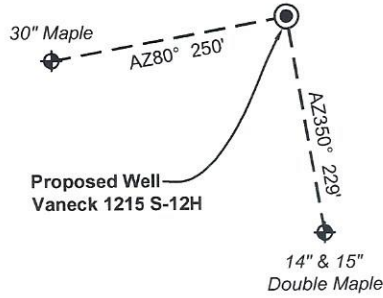
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Wellhead Layout (NTS)



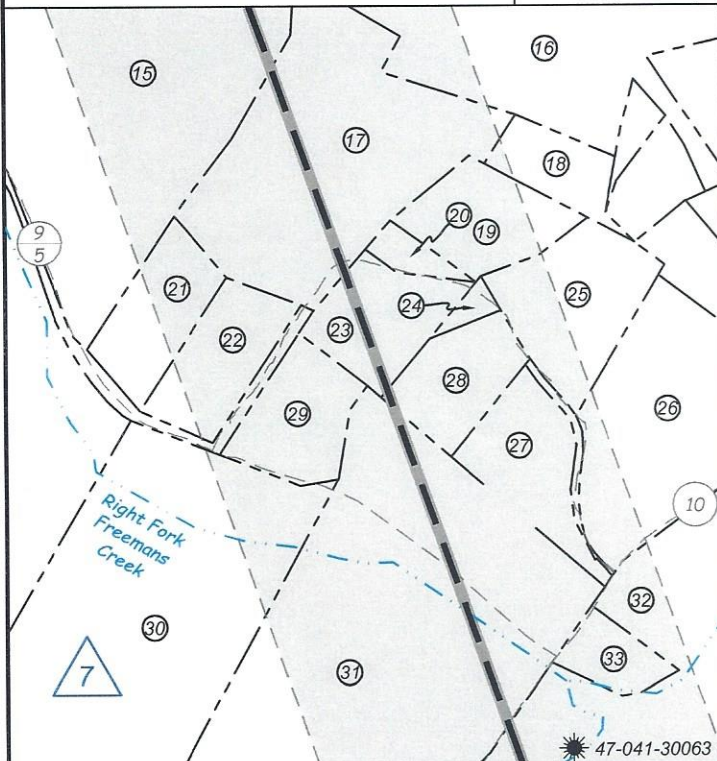
Well Location References (NTS)



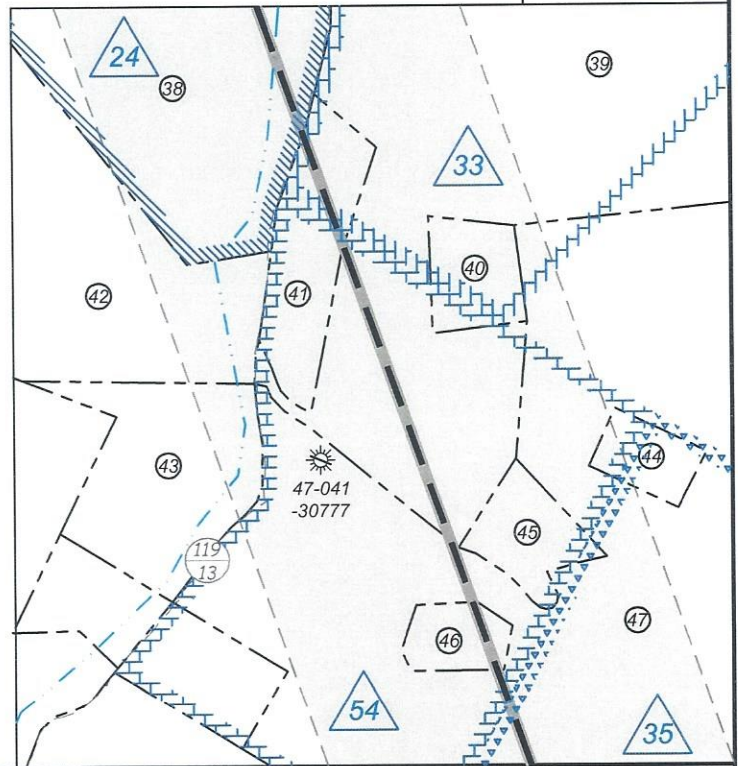
Legend

- 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.)
- Adjoinder surface tracts (approx.)

Detail 2 (1"=500')



Detail 3 (1"=500')



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OIL AND GAS DIVISION

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DISTRICT: Freemans Creek

QUADRANGLE: Camden
COUNTY: Lewis
ACREAGE: 55.00

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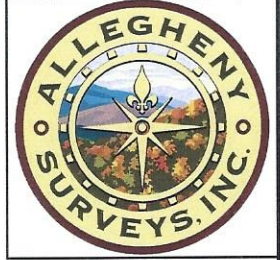
LEASE NO: _____ ACREAGE: 56.00

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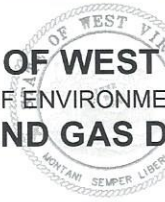
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

05/05/2023



Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	5C / 29	H.G. Energy II Appalachia, LLC	765 / 894	55.00
2	5C / 25	Raymond C. & Colona J. Waggoner	567 / 416	45.48
3	5C / 27.2	Jack E. & Cerilda M. Waggoner	547 / 691	57.97
4	5C / 22	Linda Lou Waggoner	W33 / 157	57.76
5	5C / 30	Woody Lumber Co. Inc.	590 / 438	140.50
6	5C / 31	Nancy Hayhurst, et al	F30 / 392	13.75
7	5C / 32	Robert S. Glofely	339 / 241	94.40
8	5C / 37	Phillip E. Burnside	766 / 831	83.75
9	5C / 38	Phillip E. Burnside	766 / 831	4.25
10	5C / 39	Phillip E. Burnside, et al	666 / 503	47.00
11	5C / 22.1	Janet L. & Joseph C. Waggoner, Sr.	705 / 183	57.53
12	5C / 45	Phillip E. Burnside, et al	666 / 503	121.42
13	5C / 46	John K. Burnside, et al	W1 / 393	60.00
14	5D / 35	Edward E. Garrett, et al	429 / 245	130.47
15	5D / 60.13	Richard B. & Erica S. Messenger	577 / 212	23.96
16	5D / 60	Dixie D. & William R. Fultineer, Sr.	627 / 496	82.66
17	5D / 60.3	Lori L. & Earl F. Hill, III	696 / 688	5.74
18	5D / 60.18	Edward Brightbill & Vicki A. Harper	750 / 120	1.23
19	5D / 60.12	Jeremy & Christina White	609 / 539	2.00
20	5D / 60.7	Jeremy & Christina White	609 / 539	0.43
21	5D / 60.1	Michael P. & Julie T. Lough	750 / 243	2.02
22	5D / 60.2	Sylvia McNeish	W22 / 297	2.02
23	5D / 60.4	Earl D. & Margaret A. Perrine	369 / 567	1.57
24	5D / 60.6	Earl D. & Margaret A. Perrine	400 / 192	0.23
25	5D / 60.15	Jeremy Bruffy	715 / 454	2.86
26	5D / 60.14	Jeremy Bruffy	715 / 454	5.86
27	5D / 60.11	Allen L. & Marsha H. Boggs	530 / 432	2.33
28	5D / 60.9	Lori L. & Earl F. Hill, III	727 / 700	1.81
29	5D / 60.5	Raymond D. Workman	717 / 475	1.69
30	5D / 37	Michael Lattea & Melissa Lattea	F32 / 55	13.86
31	5D / 38	Marsha Hall Boggs	W8 / 308	18.82
32	5D / 59	James H. Hall Trust	199 / 488	73.25
33	5D / 58	James H. Hall Trust	251 / 351	1.00
34	5D / 39	John M. & Diana L. Garrett	701 / 658	41.92
35	5D / 57	John T. Garrett, et al	728 / 296	28.70
36	5D / 57.1	John M. & Diana L. Garrett	722 / 674	1.71
37	5D / 54	Edward E. Garrett	W7 / 578	10.50
38	6D / 10	Alice J. Fisher, et al	583 / 439	252.44
39	6E / 1	Bruce S. Kimmel, et al	776 / 920	42.70
40	6E / 1.6	Xavier S. Grahm & Charles Carnagey	717 / 419	1.50
41	6E / 1.9	KAIA	721 / 683	2.99
42	5E / 43	KAIA	721 / 683	58.22
43	6E / 1.8	Patricia A. & Joel S. Harris	721 / 670	4.95
44	6E / 1.1	Dennis & Cecilia H. Hodges	557 / 490	1.00
45	6E / 1.3	Mark Odle	606 / 783	1.54
46	6E / 1.2	Clint R. Stenger	748 / 55	1.00
47	6E / 1.7	Patricia A. & Joel S. Harris	721 / 670	61.20
48	6E / 4	Sand Hill Land Ventures, LP	777 / 873	171.06
49	6E / 10	Sand Hill Land Ventures, LP	777 / 873	51.25
50	6E / 9	Heartwood Forestland Fund VII	666 / 124	28.75
51	6E / 8	Heartwood Forestland Fund VII	666 / 124	93.90
52	6E / 7	Gerald R. Wright	WB M / 333	50.67
53	6F / 1.2	Roger L. & Ladonna F. Sprouse	323 / 649	53.86
54	6F / 34	Kevin & Janet Mullooly	551 / 36	52.27
55	6F / 35	Roger D. Clem, Jr.	577 / 558	63.90

ID	Lease
1	George W. Waggoner, et ux
2	Fielding B. Riley, et al
7	F. White
9	J.A. Burnside, et ux
10	Blonda S. Hall, et ux, et al
23	Charles Alan Kemper
24	S.A. Hall, et ux, et al
33	Helen M. King, et al
35	Aldo McKinley
38	Simeon A. Hall, Jr., et ux
40	R.H. Hall, et ux
54	Grace Rohrbough, et al
57	M.M. Peterson, et ux
62	Cecil Rexroad, et ux, et al
83	H.G. Energy II Appalachia, LLC

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