

HG Energy II Appalachia, LLC
Well No. Vaneck 1215 N-1H MOD

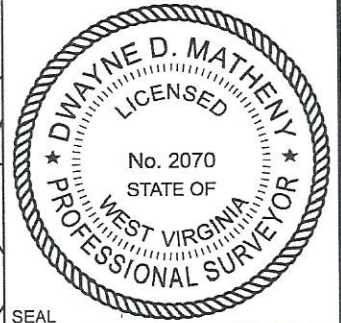
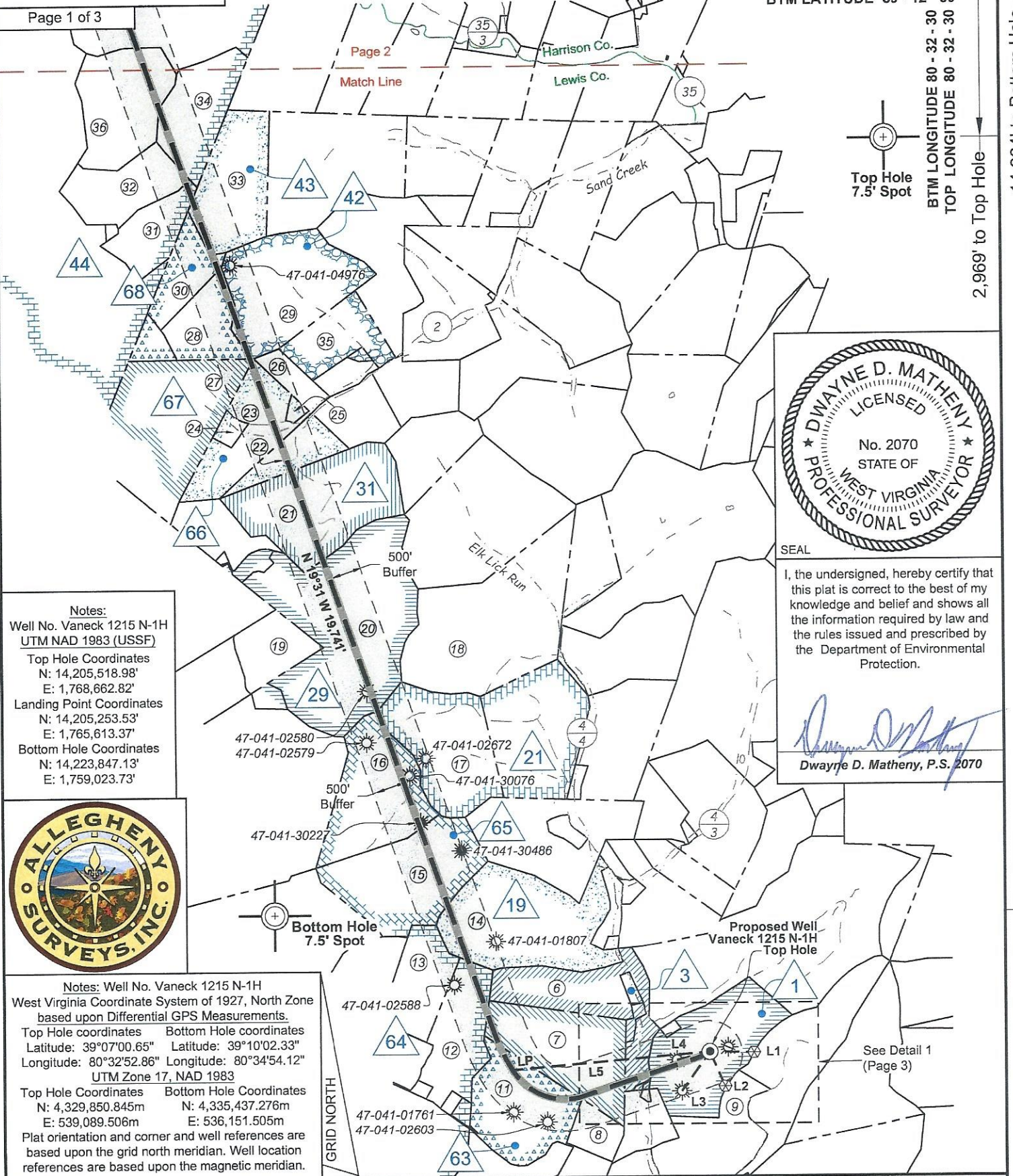
Page 1 of 3

1,801' to Top Hole

TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 12 - 30

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

14,934' to Bottom Hole

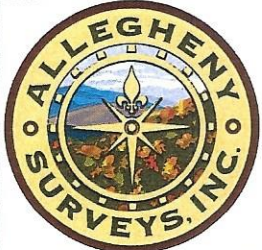


SEAL

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.

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

Notes:
Well No. Vaneck 1215 N-1H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,518.98'
E: 1,768,662.82'
Landing Point Coordinates
N: 14,205,253.53'
E: 1,765,613.37'
Bottom Hole Coordinates
N: 14,223,847.13'
E: 1,759,023.73'



Notes: Well No. Vaneck 1215 N-1H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'00.65" Latitude: 39°10'02.33"
Longitude: 80°32'52.86" Longitude: 80°34'54.12"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,850.845m N: 4,335,437.276m
E: 539,089.506m E: 536,151.505m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.

FILE NO: 156-36-UFC-20
DRAWING NO: Vaneck 1215 N-1H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

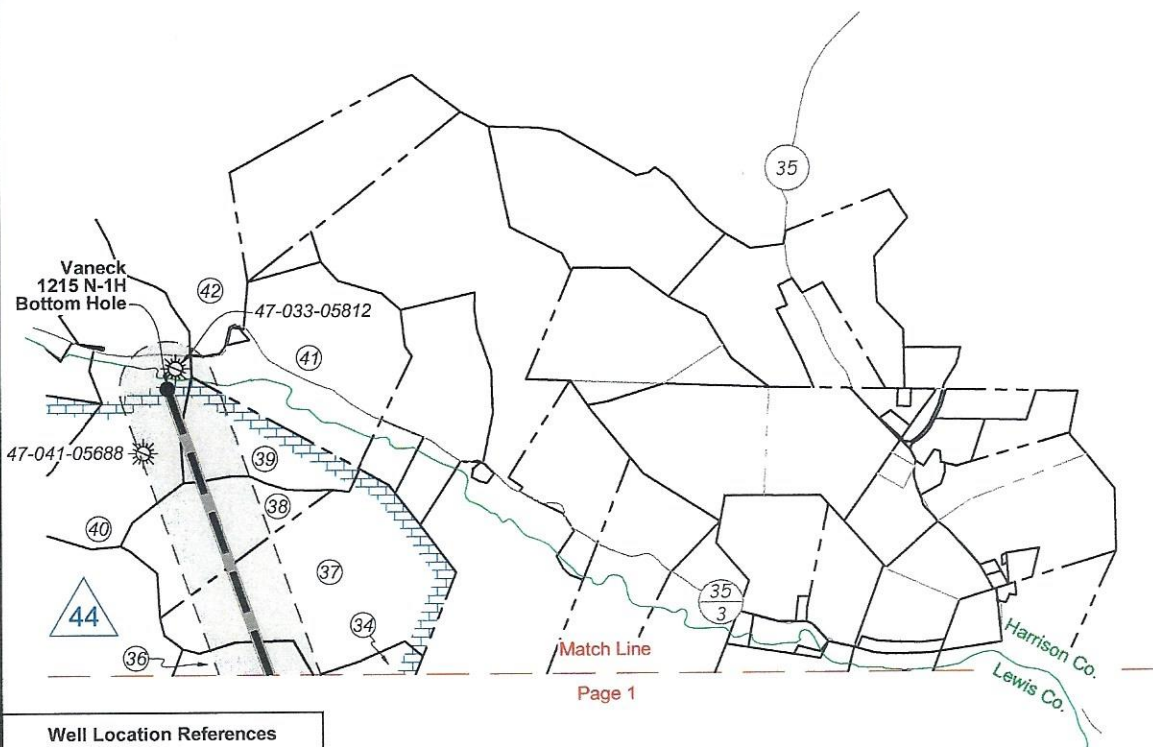
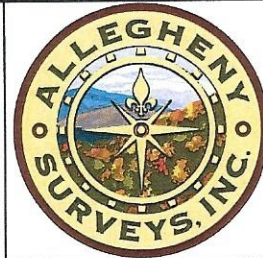
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 19 2023
OPERATOR'S WELL NO. Vaneck 1215 N-1H
API WELL NO
47 - 041 - 05732
STATE COUNTY PERMIT

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

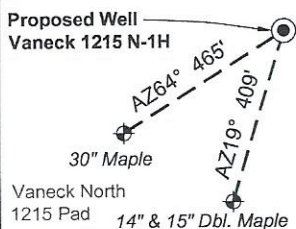
LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: HG Energy II, Appalachia, LLC, et al
ROYALTY OWNER: George W. Waggoner, et ux, et al LEASE NO: ACREAGE: 56.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LP-MOD 7,087' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,431' 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



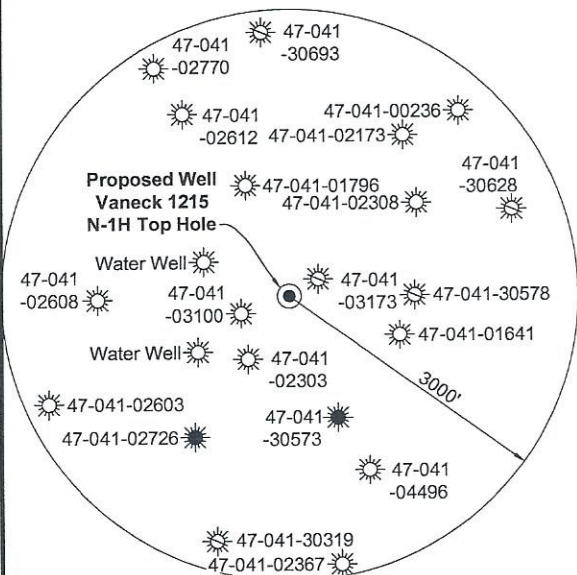
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Well Location References
Not to Scale

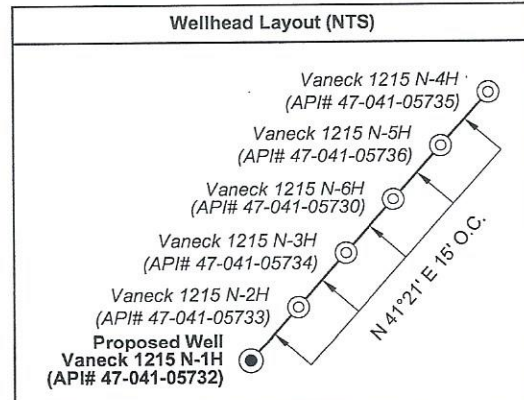


Tag	Bearing	Dist.	Description
L1	N 89°00' W	680.6'	1/2" Rebar
L2	N 23°30' W	584.6'	1/2" Rebar
L3	N 35°25' E	747.0'	47-041-02303
L4	N 75°55' E	521.3'	47-041-03100
L5	S 85°02' W	3,061.0'	Landing point

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.)



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.



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Top - Camden
QUADRANGLE: Btm - Big Isaac
COUNTY: Lewis
ACREAGE: 55.00

SURFACE OWNER: HG Energy II, Appalachia, LLC, et al
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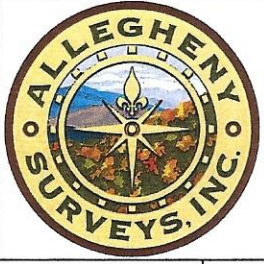
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Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White
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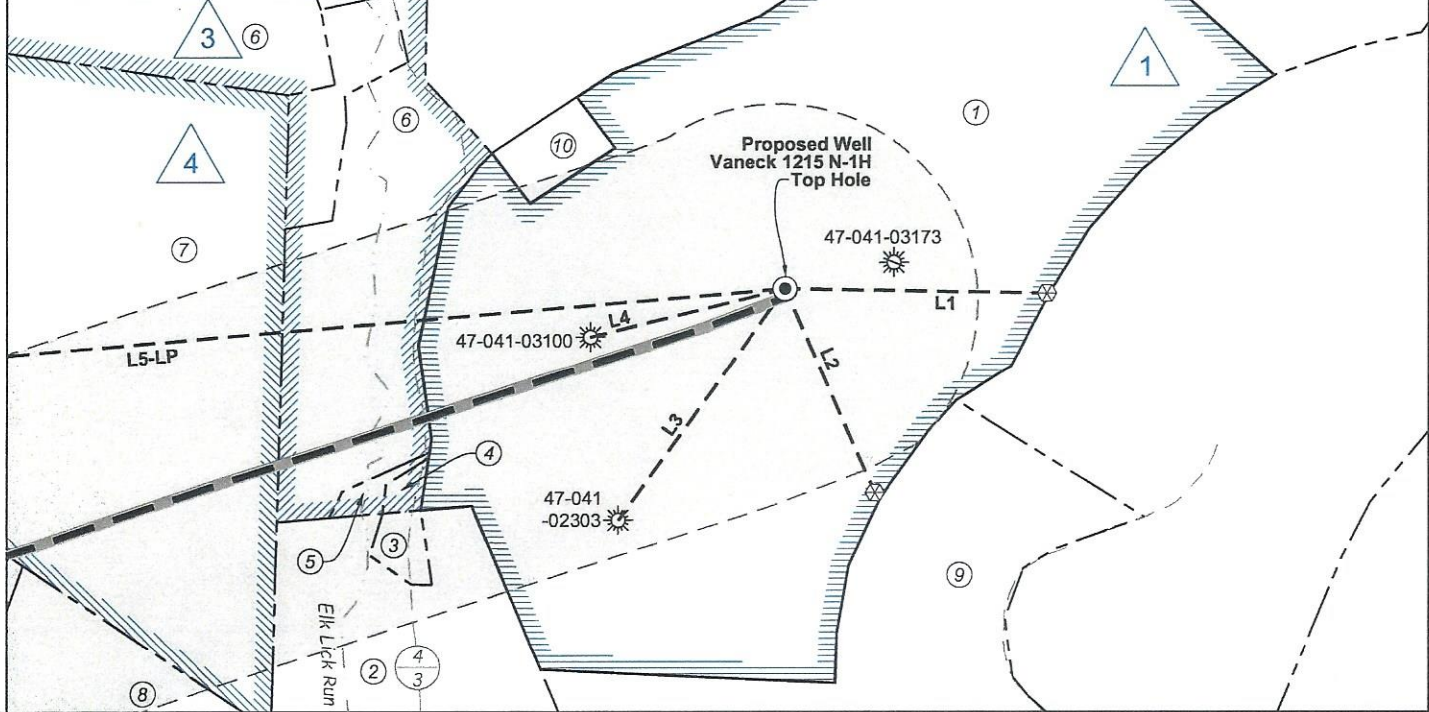
08/18/2023



ID	Lease
1	George W. Waggoner, et ux
3	T.J. Halterman, et ux
4	George W. Waggoner, et ux
19	Eliza L. Haney, et vir, et al
21	L.E. Gall, et ux
29	J.R.H. Straley, et ux
31	C.A. Coffindaffer
42	Phillip E. Burnside, et al
43	Bennett Land Management, LLC, et al
44	W. Brent Maxwell, et al
63	William R. Burnside, et ux
64	Minor J. Hall, et ux
65	Sarepta Nutter
66	Hunter M. Bennett, et ux
67	C.A. Coffindaffer, et al
68	Hunter M. Bennett, et al

Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	5C / 29	HG Energy II Appalachia, LLC	765 / 894	55.00
2	5C / 12	Daniel L. & Rena M. Waggoner	733 / 664	14.50
3	5C / 12.1	Karen J. & Timothy S. Rittenhouse	753 / 130	0.48
4	5C / 11	Gary P. Stalnaker	519 / 599	0.24
5	5C / 7.1	Gary P. Stalnaker	519 / 599	0.35
6	5C / 7	Charles B. Curtis, Jr.	W19 / 725	45.65
7	5C / 8	Daniel L. & Rena M. Waggoner	733 / 664	49.75
8	5C / 10.1	Michael L. McLaughlin	365 / 572	13.06
9	5C / 25	Raymond C & Colona J. Waggoner	567 / 416	45.48
10	5C / 28	Judith G. Piercy	F30 / 596	1.00
11	5C / 10	Stephen & Sherry Marsh	631 / 742	55.69
12	5C / 9	John & Rebecca Bales	466 / 706	37.96
13	4C / 30	John & Rebecca Bales	466 / 706	26.96
14	5C / 6	Jason E. & Amy L. Hunt	589 / 3	85.00
15	4C / 27	Jeremy & Rebecca Day	726 / 592	56.50
16	4B / 42	Darren B. & Claudia Cox	621 / 746	56.50
17	5B / 9	Robert A. & Jane M. Marrison	722 / 374	47.50
18	5B / 5	Gerold L. & Rita R. Kolva	639 / 517	100.33
19	4B / 20.2	Pamela J. Kochenower	562 / 322	23.27
20	4B / 40	Curtis G. Ferguson	552 / 449	121.21
21	4B / 39	Mike Ross Inc.	678 / 455	67.75
22	4B / 38	Christopher Dobbins	724 / 857	19.25
23	4B / 33	Mike Ross Inc.	678 / 455	33.01
24	4B / 33.2	Steven M. Miller	753 / 420	3.74
25	4B / 33.1	Roy L. Marks, III	701 / 519	2.00
26	4B / 34	Rachel D. & Joshua M. Wyckoff	762 / 658	10.08
27	4B / 32	Larry K. Coffindaffer, et al	W45 / 431	60.00
28	4A / 16	Gregory B. Wright	722 / 430	26.75
29	4A / 38	Rachel D. & Joshua M. Wyckoff	750 / 260	63.97
30	4A / 17	Gregory B. Wright	722 / 430	20.25
31	4A / 18	Timothy G. Rose	656 / 598	24.70
32	4A / 32	Edward W. & Violet Titus	295 / 126	31.00
33	4A / 33	Kinchloe Mitigation Holdings, LLC	710 / 463	47.50
34	4A / 30	Kinchloe Mitigation Holdings, LLC	704 / 324	34.75
35	4B / 45	Joshua M. & Rachel D. Wyckoff	750 / 260	36.78
36	4A / 31	Kinchloe Mitigation Holdings, LLC	704 / 324	50.00
37	4A / 28	Kinchloe Mitigation Holdings, LLC	704 / 324	80.00
38	4A / 29	Kinchloe Mitigation Holdings, LLC	704 / 324	39.75
39	4A / 27	Kinchloe Mitigation Holdings, LLC	704 / 324	25.25
40	4A / 26	Robert T. Tyler	715 / 227	69.97
Harrison Co. - Union Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
41	421 / 5	Kinchloe Mitigation Holdings, LLC	1565 / 908	71.80
42	421 / 3	Kinchloe Mitigation Holdings, LLC	1565 / 908	98.26

Detail 1 (1"=500')



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