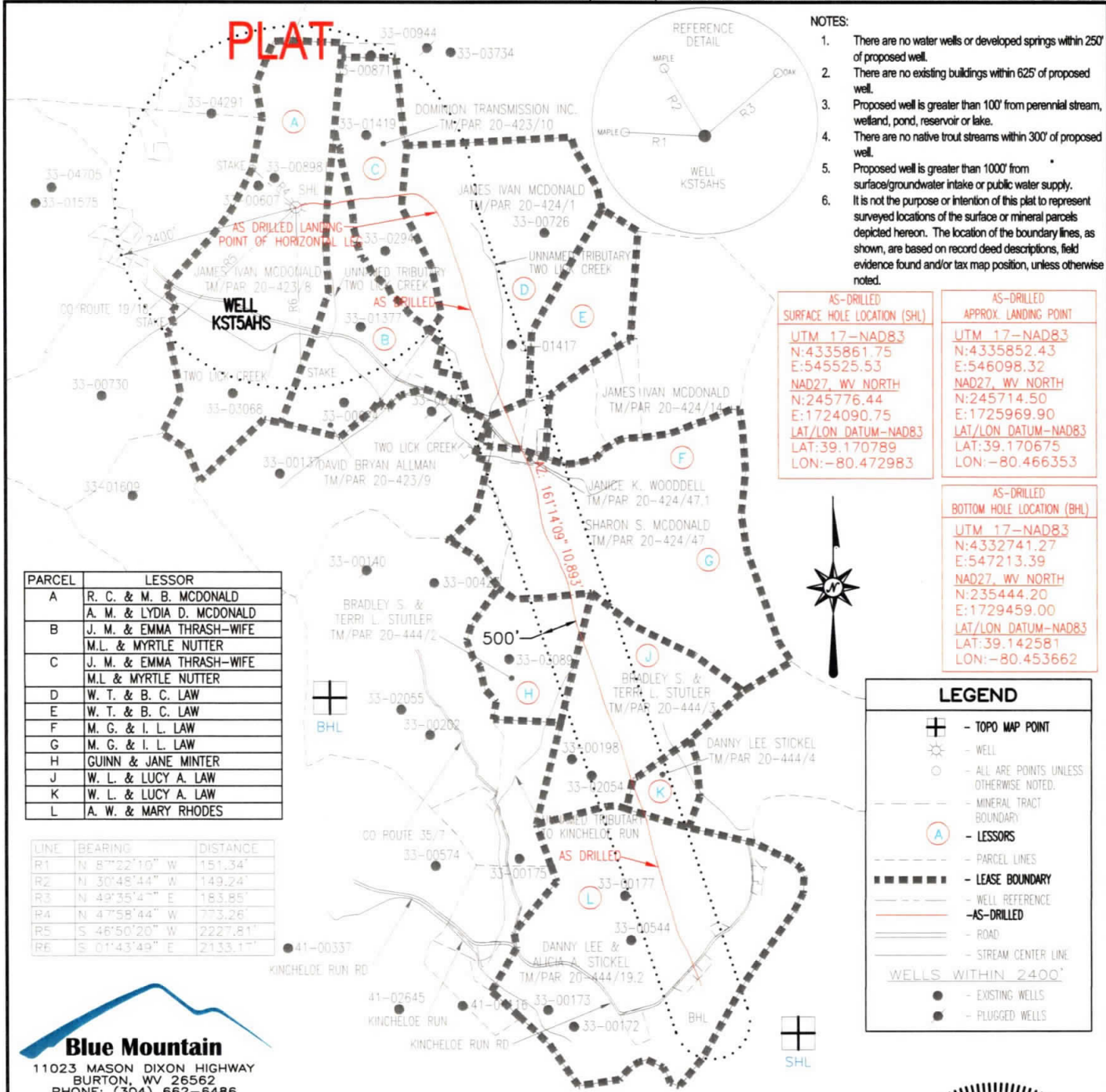


AS DRILLED

BHL is located on topo map 9,227 feet south of Latitude: 39° 10' 00"
 SHL is located on topo map 13,675 feet south of Latitude: 39° 12' 30"



- NOTES:
1. There are no water wells or developed springs within 250' of proposed well.
 2. There are no existing buildings within 625' of proposed well.
 3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
 4. There are no native trout streams within 300' of proposed well.
 5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
 6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

AS-DRILLED SURFACE HOLE LOCATION (SHL)	AS-DRILLED APPROX. LANDING POINT
UTM 17-NAD83 N:4335861.75 E:545525.53 NAD27, WV NORTH N:245776.44 E:1724090.75 LAT/LON DATUM-NAD83 LAT:39.170789 LON:-80.472983	UTM 17-NAD83 N:4335852.43 E:546098.32 NAD27, WV NORTH N:245714.50 E:1725969.90 LAT/LON DATUM-NAD83 LAT:39.170675 LON:-80.466353

AS-DRILLED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4332741.27 E:547213.39 NAD27, WV NORTH N:235444.20 E:1729459.00 LAT/LON DATUM-NAD83 LAT:39.142581 LON:-80.453662

PARCEL	LESSOR
A	R. C. & M. B. MCDONALD
B	A. M. & LYDIA D. MCDONALD
C	J. M. & EMMA THRASH-WIFE
D	M.L. & MYRTLE NUTTER
E	J. M. & EMMA THRASH-WIFE
F	M.L. & MYRTLE NUTTER
G	W. T. & B. C. LAW
H	W. T. & B. C. LAW
I	M. G. & I. L. LAW
J	M. G. & I. L. LAW
K	DANNY LEE & ALICIA A. STICKEL
L	DANNY LEE & ALICIA A. STICKEL

LINE	BEARING	DISTANCE
R1	N 87°22'16" W	151.34'
R2	N 30°48'44" W	149.24'
R3	N 49°35'4" E	183.85'
R4	N 47°58'44" W	773.26'
R5	S 46°50'20" W	2227.81'
R6	S 01°43'49" E	2133.11'

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- LESSORS
- PARCEL LINES
- LEASE BOUNDARY
- WELL REFERENCE
- AS-DRILLED
- ROAD
- STREAM CENTER LINE
- WELLS WITHIN 2400'
- EXISTING WELLS
- PLUGGED WELLS

Blue Mountain
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

FILE #: KST5AHS-AS DRILLED
 DRAWING #: KST5AHS-AS DRILLED
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: George D. Six
 R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

WV Department of Environmental Protection

DATE: JANUARY 25, 2019

OPERATOR'S WELL #: KST5AHS-AS DRILLED

API WELL #: 47 33 05814
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: MIDDLE WEST FORK CREEK ELEVATION: 1,134'±

COUNTY/DISTRICT: HARRISON / UNION QUADRANGLE: WEST MILFORD, WV 7.5'

SURFACE OWNER: JAMES IVAN MCDONALD ACREAGE: 176.000±

OIL & GAS ROYALTY OWNER: R. C. MCDONALD & M. B. MCDONALD; A. M. MCDONALD & LYDIA D. MCDONALD ACREAGE: 1328.95±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): AS-DRILLED PLAT

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: AS-DRILLED TVD: 6,768'± TMD: 18,211±

WELL OPERATOR HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT DIANE C. WHITE
 Address 5260 DUPONT ROAD Address 5260 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

BHL is located on topo map 10,359 feet west of Longitude: 80° 25' 00"
 SHL is located on topo map 4,153 feet west of Longitude: 80° 27' 30"