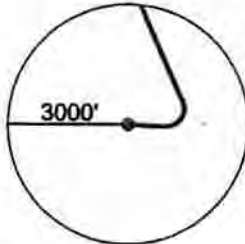


<p>TOP HOLE (MAD 80)</p> <p>N) 802153.3 E) 1670283.5 LAT.) 40°08'53.9" LONG.) 80°34'00.5" DEC. LAT.) 40.148318 DEC. LONG.) 80.566794</p>	<p>KCP (MAD 80)</p> <p>N) 602097.7 E) 1671394.0 LAT.) 40°08'53.5" LONG.) 80°33'46.2" DEC. LAT.) 40.148202 DEC. LONG.) 80.562820</p>	<p>TP (MAD 80)</p> <p>N) 602554.8 E) 1671191.7 LAT.) 40°08'58.0" LONG.) 80°33'48.8" DEC. LAT.) 40.149450 DEC. LONG.) 80.563563</p>	<p>BOTTOM HOLE (MAD 80)</p> <p>N) 608732.8 E) 1688459.5 LAT.) 40°09'58.7" LONG.) 80°34'25.0" DEC. LAT.) 40.166318 DEC. LONG.) 80.573600</p>
<p>TOP HOLE (MAD 87)</p> <p>N) 802116.3 E) 1701718.1 LAT.) 40°08'53.7" LONG.) 80°34'01.2" DEC. LAT.) 40.148246 DEC. LONG.) 80.567000</p>	<p>KCP (MAD 87)</p> <p>N) 602060.6 E) 1702828.4 LAT.) 40°08'53.3" LONG.) 80°33'48.9" DEC. LAT.) 40.148129 DEC. LONG.) 80.563026</p>	<p>TP (MAD 87)</p> <p>N) 602517.9 E) 1702626.2 LAT.) 40°08'57.8" LONG.) 80°33'49.6" DEC. LAT.) 40.149378 DEC. LONG.) 80.563769</p>	<p>BOTTOM HOLE (MAD 87)</p> <p>N) 608695.8 E) 1899894.0 LAT.) 40°09'58.5" LONG.) 80°34'25.7" DEC. LAT.) 40.166246 DEC. LONG.) 80.573805</p>



REFERENCE LINES

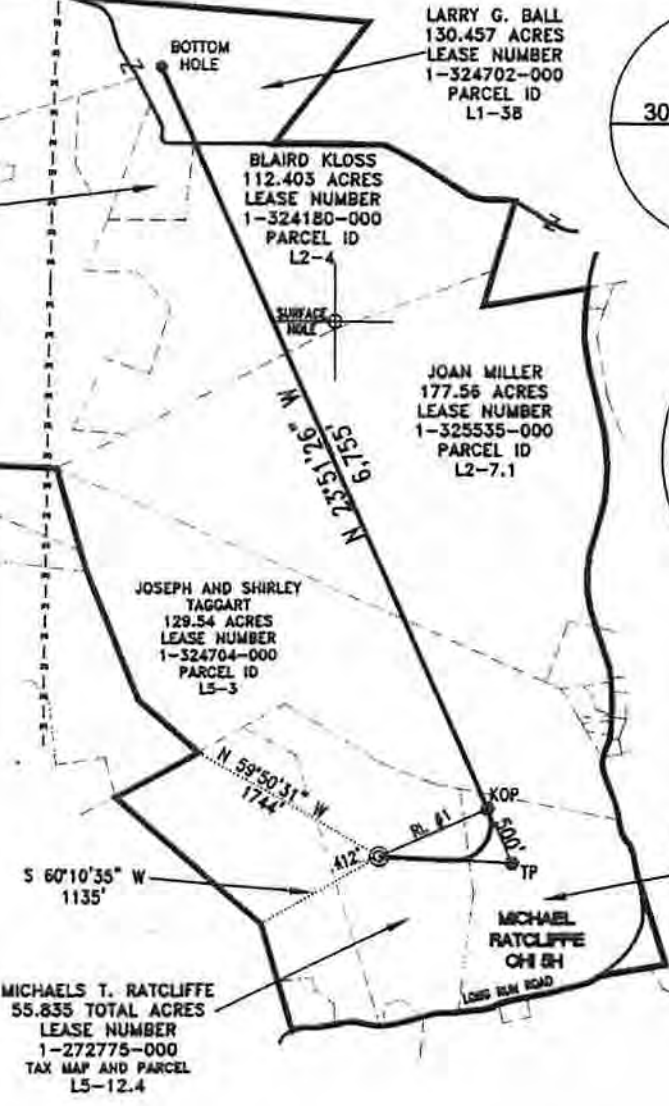
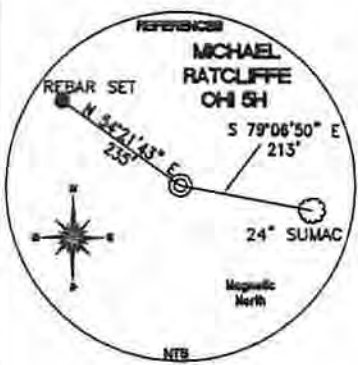
RL #1
N 66°08'32" E 995'

TRAVIS C. RATCLIFFE
46.25 TOTAL ACRES
LEASE NUMBER
1-272775-000
TAX MAP AND PARCEL
L5-12

REFERENCE NOTES
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Ohio County, West Virginia JUNE 2011
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by: EAM

TOP HOLE (MAD 80)
N) 4444309.2
E) 536898.2

BOTTOM HOLE (MAD 80)
N) 4446304.3
E) 536308.9



FILE #: CHE 040
DRAWING #: 1539
SCALE: 1"=1600'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE: SUBMETER MAPPING
OF ELEVATION: GRADE GPS

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: *[Signature]*
L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: FEBRUARY 07, 2012
OPERATOR'S WELL #: MICHAEL RATCLIFFE OHI 5H
API WELL #: 47 69 00135 H6A
STATE COUNTY PERMIT
CANCELLED

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

WATERSHED: UPPER OHIO SOUTH
COUNTY/DISTRICT: OHIO/LIBERTY
SURFACE OWNER: MICHAEL T. RATCLIFFE
OIL & GAS ROYALTY OWNER: MICHAEL T. RATCLIFFE
LEASE NUMBERS:

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

TARGET FORMATION: MARCELLUS
WELL OPERATOR : CHESAPEAKE APPALACHIA, LLC.
ADDRESS: PO BOX 18496
CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496

ESTIMATED DEPTH: TVD: 6,325' TVD: 13,511'
DESIGNATED AGENT : ERIC B. GILLESPIE
ADDRESS: PO Box 6070
CITY: CHARLESTON STATE: WV ZIP CODE: 25302

08/15/2014