

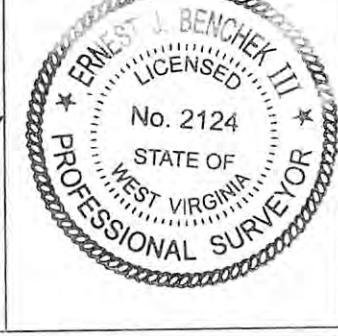
| REFERENCE LINES | |
|--------------------------|-----------------------------|
| RL #1 | N 89°04'32" E 2127' |
| TH (UTM/NAD 83) | N) 4416444.9 E) 538125.8 |
| BOTTOM HOLE (UTM/NAD 83) | N) 4414451.4 E) 539659.5 |

| TOP HOLE (NAD 83) | TP (NAD 83) | KOP (NAD 83) | BOTTOM HOLE (NAD 83) | REFERENCE NOTES |
|---|---|---|---|--|
| N) 510648.5 E) 1672781.3 LAT.) 39°53'50.0" LONG.) 80°33'14.5" DEC. LAT.) 39.897219 DEC. LONG.) 80.554020 | N) 510682.8 E) 1674908.4 LAT.) 39°53'50.6" LONG.) 80°32'47.2" DEC. LAT.) 39.897382 DEC. LONG.) 80.546441 | N) 511143.8 E) 1674714.8 LAT.) 39°53'55.1" LONG.) 80°32'49.7" DEC. LAT.) 39.898641 DEC. LONG.) 80.547150 | N) 504022.8 E) 1677704.6 LAT.) 39°52'45.1" LONG.) 80°32'10.3" DEC. LAT.) 39.879189 DEC. LONG.) 80.536201 | 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 Marshall County, West Virginia MAY 2011 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by: E.A.M. |
| TOP HOLE (NAD 27) | TP (NAD 27) | KOP (NAD 27) | BOTTOM HOLE (NAD 27) | |
| N) 510611.1 E) 1704216.4 LAT.) 39°53'49.7" LONG.) 80°33'15.2" DEC. LAT.) 39.897142 DEC. LONG.) 80.554223 | N) 510645.4 E) 1706343.5 LAT.) 39°53'50.3" LONG.) 80°32'47.9" DEC. LAT.) 39.897304 DEC. LONG.) 80.546644 | N) 511106.4 E) 1706149.9 LAT.) 39°53'54.8" LONG.) 80°32'50.5" DEC. LAT.) 39.898564 DEC. LONG.) 80.547353 | N) 503985.3 E) 1709139.7 LAT.) 39°52'44.8" LONG.) 80°32'11.1" DEC. LAT.) 39.879110 DEC. LONG.) 80.536404 | |

FILE #: CHE 070
DRAWING #: 2083
SCALE: 1" = 1400'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING 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: _____
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

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,260'

COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MAJORSVILLE, WV.

SURFACE OWNER: MICHAEL A. DUNN ACREAGE: 105.83 +/-

OIL & GAS ROYALTY OWNER: MICHAEL A. DUNN ACREAGE: 435.19 +/-

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 ESTIMATED DEPTH: TVD: 6,822' TMD: 14,796'

WELL OPERATOR: CHESAPEAKE APPALACHIA, LLC. DESIGNATED AGENT: ERIC GILLESPIE
ADDRESS: PO BOX 18496 ADDRESS: PO BOX 6070
CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

11/30/2012

WELL: MICHAEL DUNN MSH 210H
QUAD: MAJORSVILLE, WV

