

TOP HOLE (NAD 83)
 N) 493102.4
 E) 1645522.4
 LAT.) 39°50'53.3"
 LONG.) 80°39'01.3"
 DEC. LAT.) 39.848136
 DEC. LONG.) 80.650367

TOP HOLE (NAD 27)
 N) 493065.4
 E) 1676958.5
 LAT.) 39°50'53.0"
 LONG.) 80°39'02.0"
 DEC. LAT.) 39.848058
 DEC. LONG.) 80.650563

BOTTOM HOLE (NAD 83)
 N) 499514.5
 E) 1641832.3
 LAT.) 39°51'56.2"
 LONG.) 80°39'49.7"
 DEC. LAT.) 39.865607
 DEC. LONG.) 80.663804

BOTTOM HOLE (NAD 27)
 N) 499477.6
 E) 1673268.5
 LAT.) 39°51'55.9"
 LONG.) 80°39'50.4"
 DEC. LAT.) 39.865530
 DEC. LONG.) 80.664000

TH (NAD 83)
 N) 4410960.5
 E) 529910.6

BOTTOM HOLE (NAD 83)
 N) 4412895.2
 E) 528753.8

JOHN BUNGARD JR.
 38.5 TOTAL ACRES
 CNX
 699/163
 TAX MAP AND PARCEL
 03-11-14

RALPH AND STEPHANIE ASTON
 2 TOTAL ACRES
 LEASE NUMBER
 1-312752-000
 TAX MAP AND PARCEL
 03-11-15.4

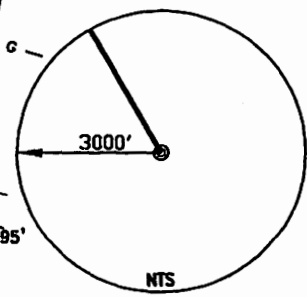
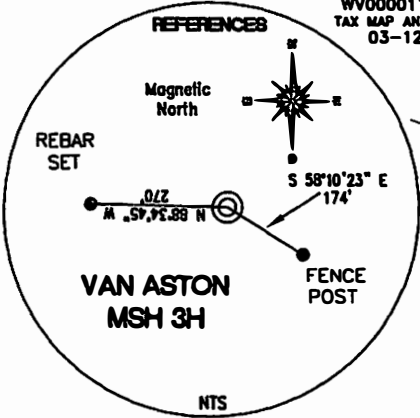
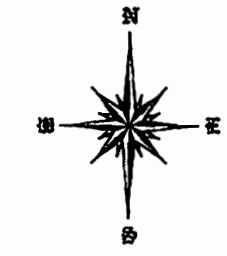
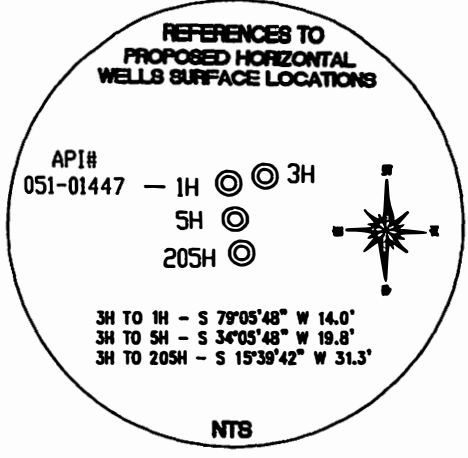
MARY M. ASTON
 149.85 TOTAL ACRES
 LEASE NUMBER
 1-324824-000
 TAX MAP AND PARCEL
 03-11-15

VAN L. ASTON
 75.32 TOTAL ACRES
 LEASE NUMBER
 1-324859-000
 TAX MAP AND PARCEL
 03-12-13

CHARLES A. RILEY
 152.52 TOTAL ACRES
 LEASE NUMBER
 WV0000098-000
 WV0000116-000
 TAX MAP AND PARCEL
 03-12-11

DAVID R. HALL
 116.62 TOTAL ACRES
 TAX MAP AND PARCEL
 03-12-14

VAN ASTON MSH 3H



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 Marshall County, West Virginia DECEMBER 2012 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by: EAM

FILE #: CHE 032
 DRAWING #: 2135
 SCALE: 1" = 1400'
 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: _____
 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: 1,152'

COUNTY/DISTRICT: MARSHALL / CAMERON QUADRANGLE: GLEN EASTON, WV.

SURFACE OWNER: VAN L. ASTON ACREAGE: 75.32 +/-

OIL & GAS ROYALTY OWNER: VAN L. ASTON ACREAGE: 418.19 +/-

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: 6,594' TMD: 13,787'

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

DATE: JANUARY 29, 2013
 OPERATOR'S WELL #: VAN ASTON MSH 3H
 API WELL #: 47 51 1633 H6A
 STATE COUNTY PERMIT

WELL: VAN ASTON MSH 3H
QUAD: GLEN EASTON WV

