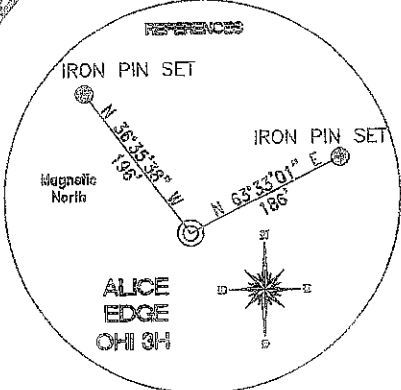


<b>TOP HOLE (UTM 89)</b>
N) 4438947.6
E) 537467.7
<b>BOTTOM HOLE (UTM 89)</b>
N) 4440020.7
E) 537081.0

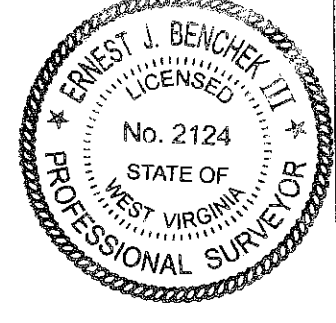


**REFERENCE NOTES**  
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Ohio County, West Virginia DECEMBER 2011 State Plane Coordinates & NAD 83 Lat/Long by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

<b>TOP HOLE (NAD 83)</b> N) 584527.4 E) 1671857.6 LAT.) 40°06'00.0" LONG.) 80°33'37.5" DEC. LAT.) 40.099988 DEC. LONG.) 80.560420	<b>BOTTOM HOLE (NAD 83)</b> N) 588070.1 E) 1670647.8 LAT.) 40°06'34.8" LONG.) 80°33'53.6" DEC. LAT.) 40.109673 DEC. LONG.) 80.564895
<b>TOP HOLE (NAD 27)</b> N) 584490.4 E) 1703292.0 LAT.) 40°05'59.7" LONG.) 80°33'38.3" DEC. LAT.) 40.099915 DEC. LONG.) 80.560825	<b>BOTTOM HOLE (NAD 27)</b> N) 588033.0 E) 1702082.2 LAT.) 40°06'34.6" LONG.) 80°33'54.4" DEC. LAT.) 40.109600 DEC. LONG.) 80.565100

FILE #: CHE 036  
DRAWING #: 1652  
SCALE: 1"=1200'  
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 Disposal  Production  Deep  Gas  Liquid Injection  Storage  Shallow

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,220'

COUNTY/DISTRICT: OHIO/LIBERTY QUADRANGLE: VALLEY GROVE WV.

SURFACE OWNER: ALICE MAE EDGE ACREAGE: 103 +/-

OIL & GAS ROYALTY OWNER: ALICE MAE EDGE ACREAGE: 286.84 +/-

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: 6,410' TMD: 9,949'

WELL OPERATOR: CHESAPEAKE APPALACHIA, LLC. DESIGNATED AGENT: ERIC B. 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: APRIL 10, 2012  
OPERATOR'S WELL #: ALICE EDGE OH 3H  
API WELL #: 47 69 00144.H6A  
STATE COUNTY PERMIT

08/03/2012

WELL: ALICE EDGE QH1 3H  
QUAD: VALLEY GROVE, WV

