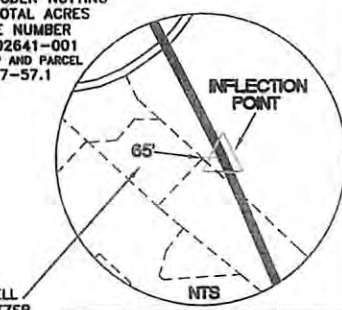
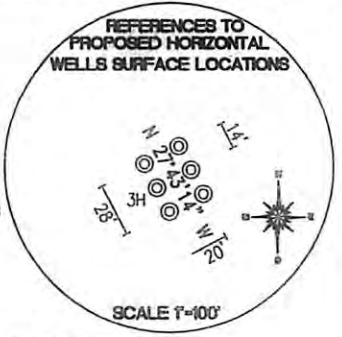
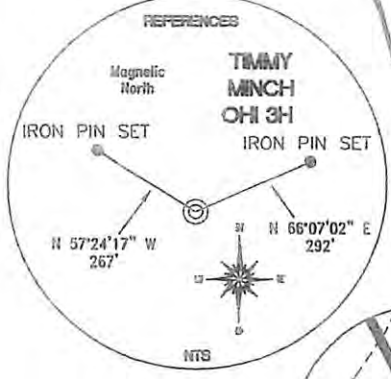
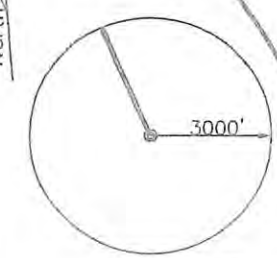
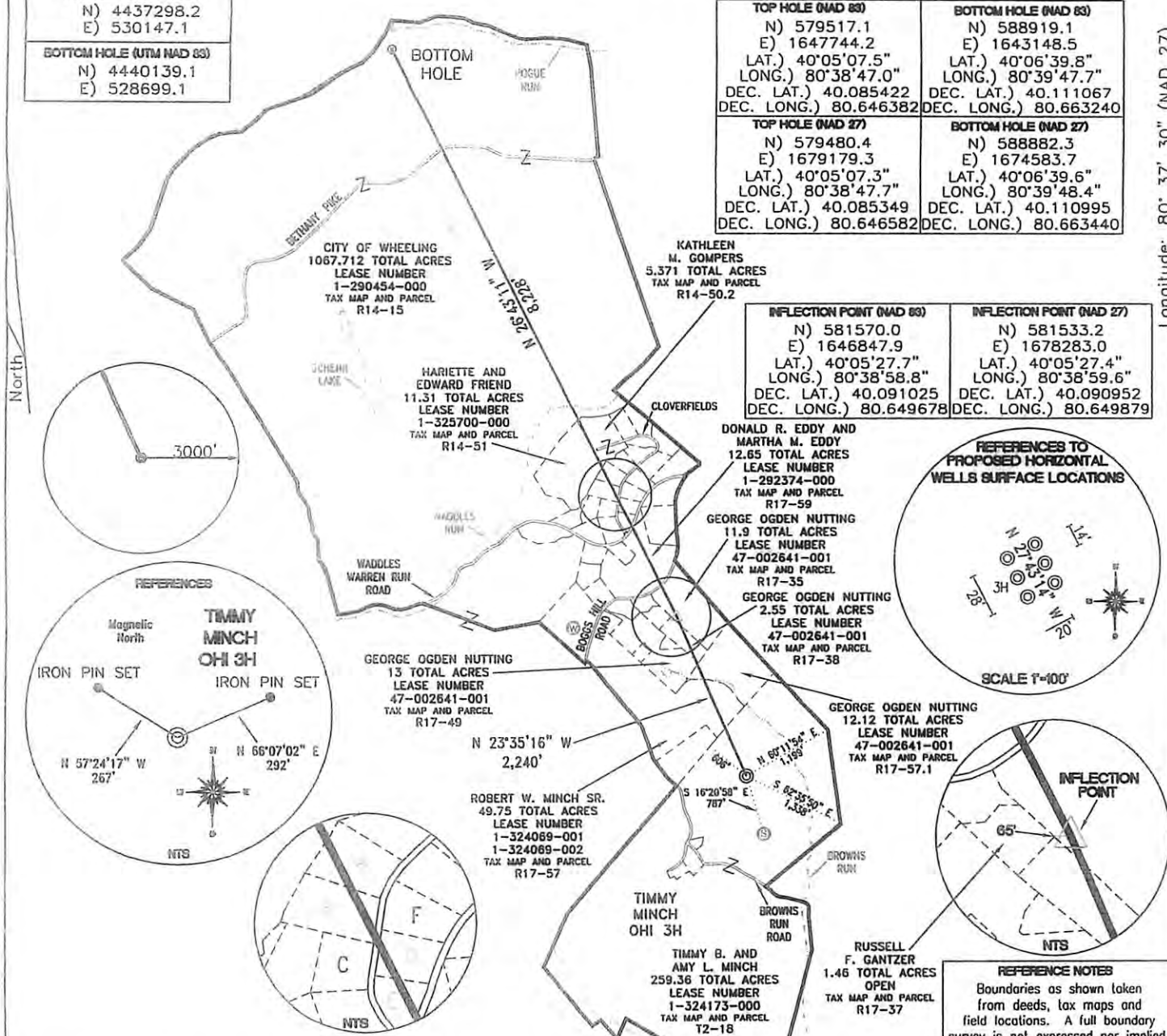


TOP HOLE (UTM NAD 83)	
N)	4437298.2
E)	530147.1
BOTTOM HOLE (UTM NAD 83)	
N)	4440139.1
E)	528699.1

TOP HOLE (NAD 83)		BOTTOM HOLE (NAD 83)	
N)	579517.1	N)	588919.1
E)	1647744.2	E)	1643148.5
LAT.) 40°05'07.5" LONG.) 80°38'47.0"		LAT.) 40°06'39.8" LONG.) 80°39'47.7"	
DEC. LAT.) 40.085422 DEC. LONG.) 80.646382		DEC. LAT.) 40.111067 DEC. LONG.) 80.663240	
TOP HOLE (NAD 27)		BOTTOM HOLE (NAD 27)	
N)	579480.4	N)	588882.3
E)	1679179.3	E)	1674583.7
LAT.) 40°05'07.3" LONG.) 80°38'47.7"		LAT.) 40°06'39.6" LONG.) 80°39'48.4"	
DEC. LAT.) 40.085349 DEC. LONG.) 80.646582		DEC. LAT.) 40.110995 DEC. LONG.) 80.663440	



SURFACE OWNER	PARCEL	ACREAGE	LEASE NUMBER
A JOSEPH BARK	R14-56	1,628 ACRES	1-303980-000
B MARK AND JODY MCGRAH	R14-55	1,690 ACRES	1-310124-000
C PATRICIA A. PADDEN ET AL.	R14-65	1,196 ACRES	1-306820-002
D DONALD F. AND LINDA K. HARSHMAN	R14-64	1,210 ACRES	1-295657-000
E MICHAEL D. AND MICHELLE F. MATTHEWS	R14-89	1,610 ACRES	1-313205-000
F SAMUAL OTT BOYCE	R14-63	1,322 ACRES	1-310025-000

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 JANUARY 2012
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
Drafted by: E.A.M.

FILE #: CHE 055
DRAWING #: 1999
SCALE: 1"=2000'
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 : 1,225'

COUNTY/DISTRICT: OHIO/TRIADELPHIA QUADRANGLE: WHEELING WV.

SURFACE OWNER: TIMMY B. AND AMY L. MINCH ACREAGE: 259.36 +/-

OIL & GAS ROYALTY OWNER: TIMMY B. AND AMY L. MINCH ACREAGE: 1,449.146 +/-

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: 6,095' TMD: 16,364'

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: OCTOBER 18, 2012
OPERATOR'S WELL #: TIMMY MINCH OHI 3H
API WELL #: 47 69 00155H6A
STATE COUNTY PERMIT

02/15/2013

SURFACE HOLE DEC. LAT: 40.085349 SURVEYED LAT: 40° 05' 07.3"

