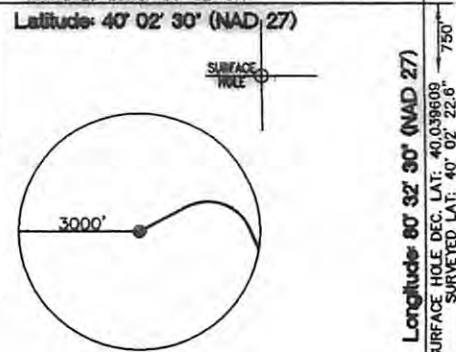
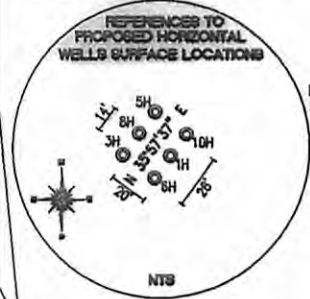


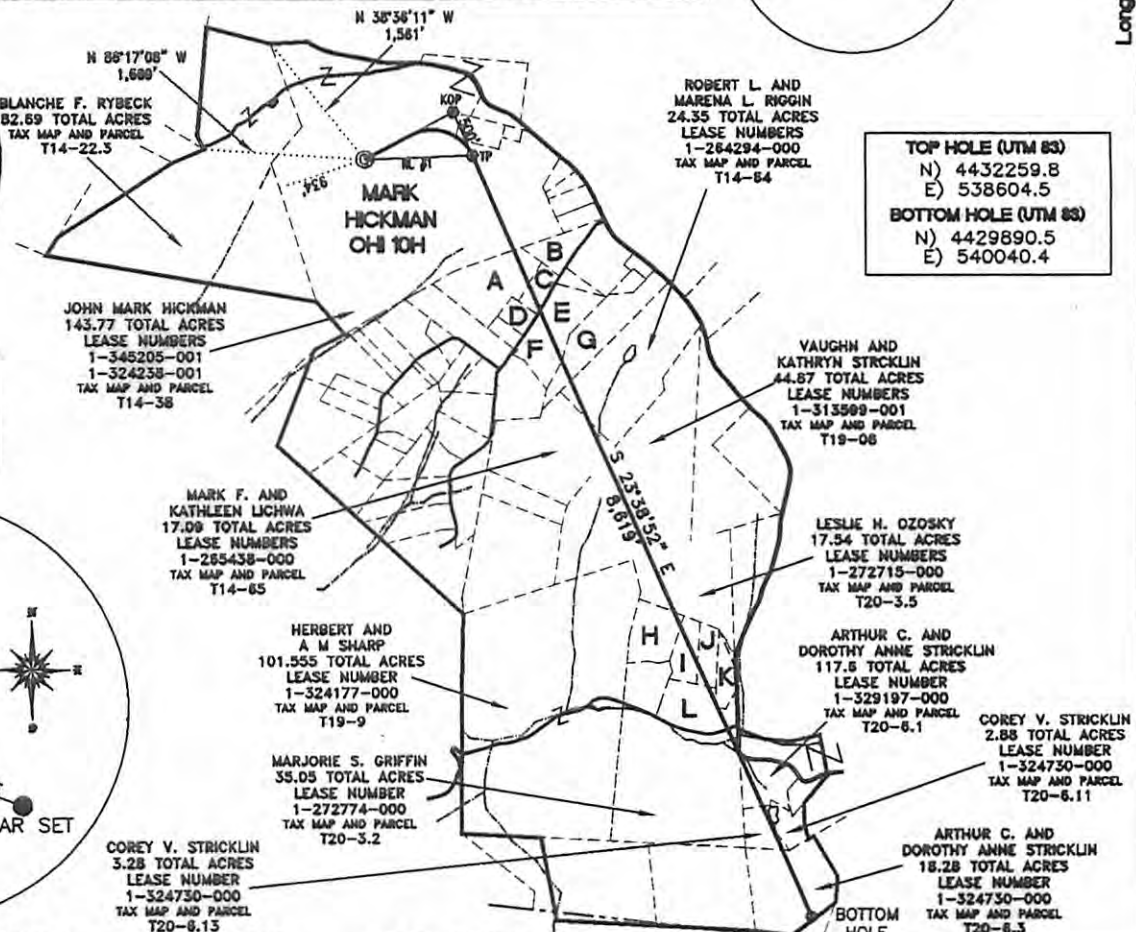
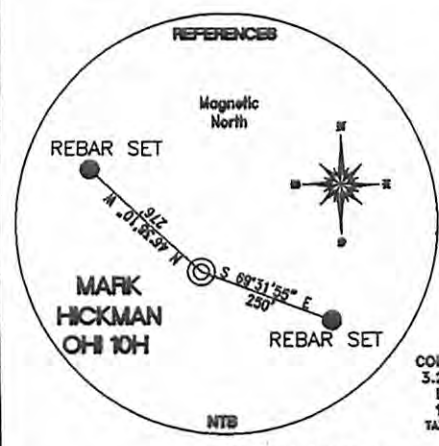
TH (NAD 83)	KOP (NAD 83)	TP (NAD 83)	BOTTOM HOLE (NAD 83)
N) 562518.7 E) 1675220.4 LAT.) 40°02'22.9" LONG.) 80°32'50.9" DEC. LAT.) 40.039683 DEC. LONG.) 80.547483	N) 563018.2 E) 1676144.6 LAT.) 40°02'27.9" LONG.) 80°32'39.1" DEC. LAT.) 40.041084 DEC. LONG.) 80.544203	N) 562560.2 E) 1676345.2 LAT.) 40°02'23.4" LONG.) 80°32'36.5" DEC. LAT.) 40.039833 DEC. LONG.) 80.543468	N) 554665.0 E) 1679802.4 LAT.) 40°01'05.8" LONG.) 80°31'50.9" DEC. LAT.) 40.018271 DEC. LONG.) 80.530797
TH (NAD 27)	KOP (NAD 27)	TP (NAD 27)	BOTTOM HOLE (NAD 27)
N) 562481.7 E) 1706654.8 LAT.) 40°02'22.6" LONG.) 80°32'51.7" DEC. LAT.) 40.039609 DEC. LONG.) 80.547689	N) 562981.2 E) 1707578.9 LAT.) 40°02'27.6" LONG.) 80°32'39.9" DEC. LAT.) 40.041010 DEC. LONG.) 80.544409	N) 562523.2 E) 1707779.5 LAT.) 40°02'23.1" LONG.) 80°32'37.2" DEC. LAT.) 40.039759 DEC. LONG.) 80.543674	N) 554628.0 E) 1711236.6 LAT.) 40°01'05.5" LONG.) 80°31'51.6" DEC. LAT.) 40.018196 DEC. LONG.) 80.531004



Latitude: 40° 02' 30" (NAD 27)
Longitude: 80° 32' 30" (NAD 27)
SURFACE HOLE DEC. LAT.: 40.039609
SURVEYED LAT.: 40° 02' 22.6"



REFERENCE LINES
RL #1
N 87°53'12" W 1125'



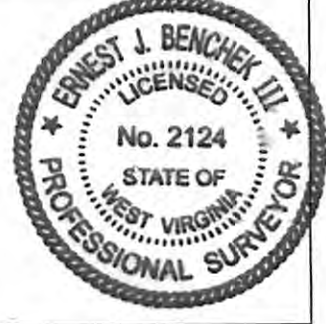
TOP HOLE (UTM 83)
N) 4432259.8
E) 538604.5
BOTTOM HOLE (UTM 83)
N) 4429890.5
E) 54004.4

PROPERTY OWNER	ACRES	LEASE NUMBER	PARCEL ID
A - CHARLES D. POLING	11.58	RECORDED 803/566	T14-54
B - RICHARD AND R J SCOTT	3.56	1-265416-000	T14-56
C - DENIS AND BRENDA BEITER	2.34	1-321841-000	T14-55
D - CHARLES D. POLING	2.00	RECORDED 803/566	T14-42
E - ROBERT AND RUTH THORNBURG	5.31	RECORDER 821/604	T14-48
F - CARL JR. AND D K SCHNEIDER	4.32	1-313810-000	T14-49
G - RALPH AND ROSELLA RICHEY	10.66	RECORDED 802/174	T14-62
H - JOSEPH AND ERIN DAVIS	6.02	1-264285-000	T20-03
I - LESLIE HAGER OZOSKY BRUCE	3.02	1-272719-000	T20-03.9
J - LESLIE HAGER OZOSKY BRUCE	3.00		T20-03.6
K - PETER AND JOY FOX	3.01	1-256017-000	T20-03.1
L - PETER AND JOY FOX	7.15	1-256017-000	T20-03.3

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 OCTOBER 2011
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
Drafted by: E.A.M.

FILE #: CHE 053
DRAWING #: 1843
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: 1,285'

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

SURFACE OWNER: L.G. HICKMAN AND JOHN MARK HICKMAN ACREAGE: 143.77 +/-
OIL & GAS ROYALTY OWNER: L.G. HICKMAN AND JOHN MARK HICKMAN ACREAGE: 584.815 +/-
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: 6,695' TMD: 15,719'
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 06/20/2014

DATE: FEBRUARY 07, 2012
OPERATOR'S WELL #: MARK HICKMAN OHI 10H
API WELL #: 47 69 00130H6A
STATE COUNTY PERMIT
CANCELLED