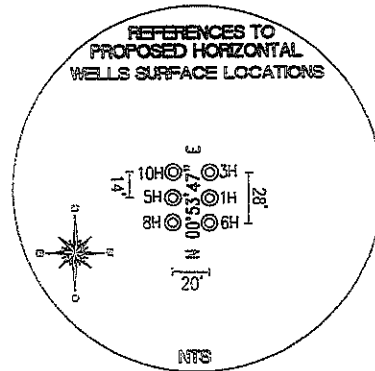


REFERENCE LINES

RL #1
 N 66°52'09" E 1,024'

REFERENCES TO PROPOSED HORIZONTAL WELLS SURFACE LOCATIONS



Existing Wells within 3,000'

3000'

REFERENCES

KATHY MAYHEW BRK 6H

REBAR SET

REBAR SET

NTS

SURFACE HOLE

TP

RL #1

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

TP

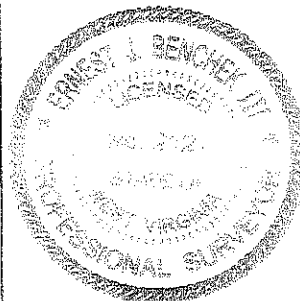
TH (NAD 83) N) 618405.4 E) 1654880.5 LAT.) 40°11'32.7" LONG.) 80°37'21.4" DEC. LAT.) 40.192412 DEC. LONG.) 80.622616	TP (NAD 83) N) 618003.2 E) 1653938.9 LAT.) 40°11'28.6" LONG.) 80°37'33.5" DEC. LAT.) 40.191276 DEC. LONG.) 80.625968
TH (NAD 27) N) 618368.4 E) 1686315.4 LAT.) 40°11'32.4" LONG.) 80°37'22.1" DEC. LAT.) 40.192341 DEC. LONG.) 80.622818	TP (NAD 27) N) 617966.2 E) 1685373.8 LAT.) 40°11'28.3" LONG.) 80°37'34.2" DEC. LAT.) 40.191205 DEC. LONG.) 80.626170
KCP (NAD 83) N) 618463.0 E) 1653742.5 LAT.) 40°11'33.1" LONG.) 80°37'36.1" DEC. LAT.) 40.192531 DEC. LONG.) 80.626692	BOTTOM HOLE (NAD 83) N) 610965.8 E) 1656522.3 LAT.) 40°10'19.4" LONG.) 80°36'59.1" DEC. LAT.) 40.172048 DEC. LONG.) 80.616408
KCP (NAD 27) N) 618426.0 E) 1685177.4 LAT.) 40°11'32.9" LONG.) 80°37'36.8" DEC. LAT.) 40.192460 DEC. LONG.) 80.626894	BOTTOM HOLE (NAD 27) N) 610928.8 E) 1687957.2 LAT.) 40°10'19.1" LONG.) 80°36'59.8" DEC. LAT.) 40.171976 DEC. LONG.) 80.616611

TH (NAD 83) N) 4449181.7 E) 532122.8	BOTTOM HOLE (NAD 83) N) 610928.8 E) 1687957.2
TH (NAD 27) N) 4446923.7 E) 532660.9	BOTTOM HOLE (NAD 27) N) 610928.8 E) 1687957.2

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 Brooke County, West Virginia MARCH 2011
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
 Drafted by: EAM

FILE #: CHE 059
 DRAWING #: 1879
 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

DATE: FEBRUARY 7, 2012

OPERATOR'S WELL #: KATHY MAYHEW BRK 6H

API WELL #: 47 09 00131 H6A
 STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH

ELEVATION: 1,280'

COUNTY/DISTRICT: BROOKE/BUFFALO

QUADRANGLE: BETHANY WV.

SURFACE OWNER: KATHY LYNN MAYHEW

ACREAGE: 84.74 +/-

OIL & GAS ROYALTY OWNER: KATHY LYNN MAYHEW

ACREAGE: 805.098 +/-

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: 6024' TMD: 13957'

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: 25362

9-00131

WELL KATHY MAYHEW BRK 6H
QUAD BETHANY WV

