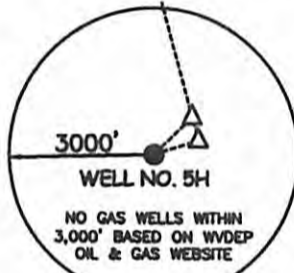


OCC-B OHI 5H

| LINE | BEARING       | DISTANCE |
|------|---------------|----------|
| L1   | N 45°31'15" E | 1103.2'  |
| L2   | N 72°40'00" E | 984.0'   |
| L3   | S 62°22'21" W | 1795.6'  |
| L4   | N 26°00'20" E | 2352.4'  |

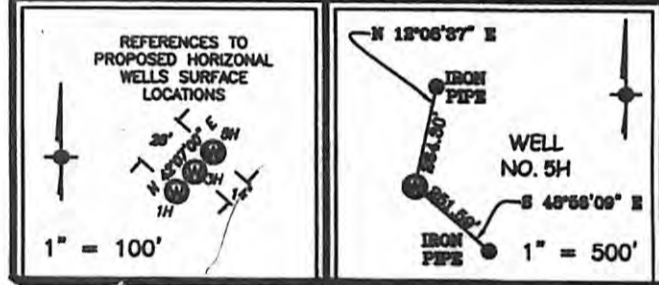
| WELL NO. SH COORDINATES   | KICK OUT POINT COORDINATES  |
|---|---|
| NAD 27<br>True Latitude: NORTH<br>40.163195°<br>True Longitude: WEST<br>80.643193°                              | NAD 27<br>True Latitude: NORTH<br>40.164009°<br>True Longitude: WEST<br>80.639911°                            |
| NAD 83<br>True Latitude: NORTH<br>40.163267°<br>True Longitude: WEST<br>80.642992°                              | NAD 83<br>True Latitude: NORTH<br>40.164081°<br>True Longitude: WEST<br>80.639710°                            |
| STATE PLANE COORDINATES<br>(NORTH ZONE NAD 27)<br>Northing:<br>607823.67<br>Easting:<br>1680488.47              | STATE PLANE COORDINATES<br>(NORTH ZONE NAD 27)<br>Northing:<br>608108.52<br>Easting:<br>1681409.39            |
| TANGENT POINT COORDINATES<br>NAD 27<br>True Latitude: NORTH<br>40.165331°<br>True Longitude: WEST<br>80.640394° | BOTTOM HOLE COORDINATES<br>NAD 27<br>True Latitude: NORTH<br>40.181169°<br>True Longitude: WEST<br>80.646186° |
| NAD 83<br>True Latitude: NORTH<br>40.165402°<br>True Longitude: WEST<br>80.640193°                              | NAD 83<br>True Latitude: NORTH<br>40.181240°<br>True Longitude: WEST<br>80.645985°                            |
| STATE PLANE COORDINATES<br>(NORTH ZONE NAD 27)<br>Northing:<br>608591.43<br>Easting:<br>1681280.52              | STATE PLANE COORDINATES<br>(NORTH ZONE NAD 27)<br>Northing:<br>614381.21<br>Easting:<br>1679735.53            |



**DIRECTIONS TO SITE**  
FROM INTERSECTION OF SHORT CREEK RD AND NORTH FORK SHORT CREEK RD, GO ± 0.4 MILES EAST ON NORTH FORK SHORT CREEK RD, THEN NORTH ON AN UNNAMED RURAL RD FOR 0.98 MILES TO THE OCC-B WELL PAD ACCESS ROAD ON THE LEFT.

- NOTES ON SURVEY**
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
  2. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF OHIO COUNTY IN MAY, 2010.
  3. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DUAL FREQ STATIC GPS WITH NGS OPUS SOLUTION.

**REFERENCES**



**GREENWAY ENGINEERING, INC.**

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 DIVISION OF ENVIRONMENTAL PROTECTION.



P.S. 843 *[Signature]* 06/30/2011

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE JUNE 08, 20 10  
REV. JUNE 30, 20 11  
OPERATORS WELL NO. OCC-B OHI 5H  
API WELL NO. 47-069-00099H  
STATE COUNTY PERMIT  
**CANCELLED**

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. OCC-B5H  
PROVEN SOURCE OF ELEVATION DUAL FREQ STATIC GPS WITH NGS OPUS SOLUTION SCALE 1" = 2,000'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,194.0' WATERSHED OHIO RIVER DIRECT DRAINS  
DISTRICT RICHLAND COUNTY OHIO QUADRANGLE TILTONSVILLE 7.5'  
SURFACE OWNER THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO ACREAGE 269.895 +/-  
ROYALTY OWNER THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO LEASE ACREAGE 269.895 +/-  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD   
FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH 6,250' + LATERAL LENGTH \_\_\_\_\_

WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT ERIC B. GILLESPIE 04/11/2014  
ADDRESS P.O. BOX 18496 ADDRESS P.O. BOX 6070