

TH (U/M-NAD 83)	
N)	4445739.1
E)	531778.4
BOTTOM HOLE (U/M-NAD 83)	
N)	4447290.8
E)	530912.3

**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 JUNE 2014  
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
 Drafted by: E.A.M.

FILE #: CHE 122  
 DRAWING #: 2374  
 SCALE: PLAT - 1"=1200'  
 TICK MARK - 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING 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: *[Signature]*  
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WYDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

DATE: JULY 31, 2014

OPERATOR'S WELL #: RAYLE COAL OHI 1H

API WELL #: 47 69 00182.H0A  
 STATE COUNTY PERMIT

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1,065.5'

COUNTY/DISTRICT: OHIO/RICHLAND QUADRANGLE: TILTONSVILLE WV.

SURFACE OWNER: SHORT CREEK COAL CO. C/O RAYLE COAL ACREAGE: 61.53 +/-

OIL & GAS ROYALTY OWNER: SHORT CREEK COAL CO. C/O RAYLE COAL ACREAGE: 394.05 +/-

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: 5,810' TMD: 11,785'

WELL OPERATOR: CHESAPEAKE OPERATING, INC. DESIGNATED AGENT: ERIC B. GILLESPIE

ADDRESS: PO BOX 18496 ADDRESS: 414 SUMMER ST.

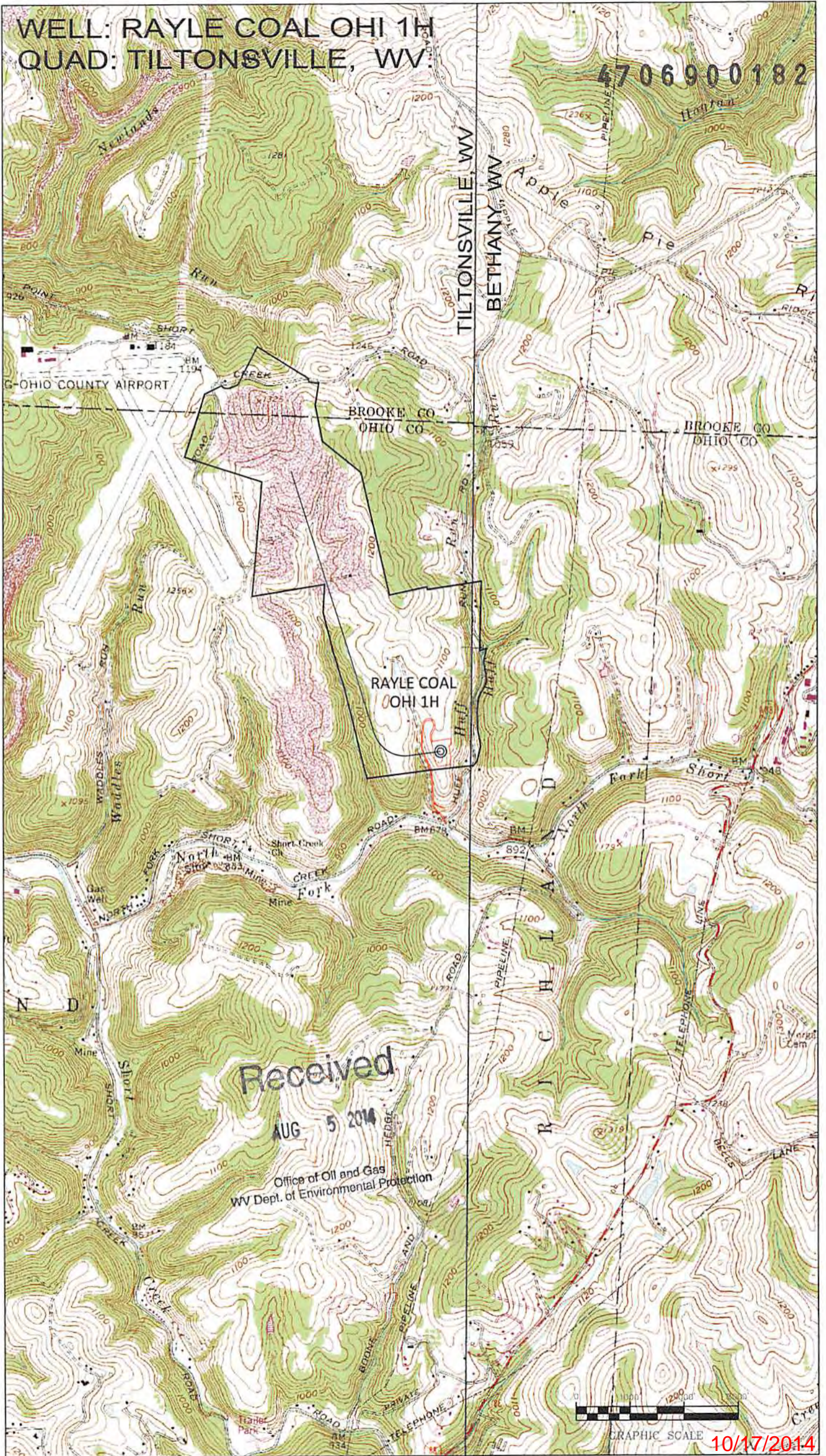
CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496 CITY: CHARLESTON STATE: WV ZIP CODE: 25304

10/17/2014



WELL: RAYLE COAL OHI 1H  
QUAD: TILTONSVILLE, WV.

4706900182



Received  
AUG 5 2014  
Office of Oil and Gas  
WV Dept. of Environmental Protection



GRAPHIC SCALE 10/17/2014