

PDC MOUNTAINEER, LLC  
WELL OES NO. R3HM

NOTES:  
-PLAT BEARINGS AND DISTANCES ARE BASED ON NAD2011 (GORS) WV STATE PLANES NORTH. GRID NORTH ELEVATIONS BASED ON GEOID2012A US SURVEY FEET UNLESS SHOWN OTHERWISE.

-THERE ARE NO (0) WATER WELL(S) LOCATED WITHIN 250' OF WELL OES R3HM.

-THERE ARE NO (0) DWELLINGS OR AGRICULTURAL STRUCTURES WITHIN 625' OF WELL OES R3HM.

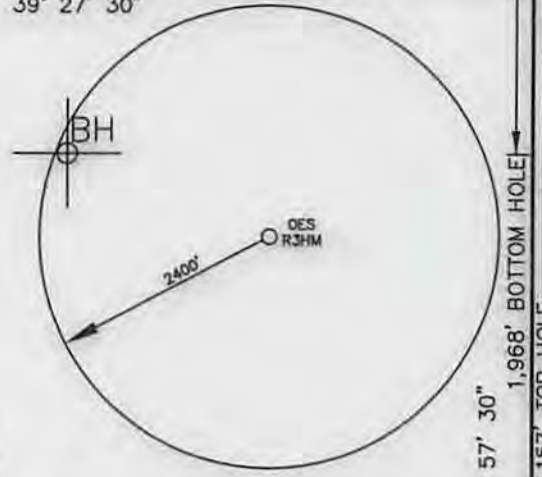
MONUMENT FOUND IRON REBAR UNLESS NOTED OTHERWISE.

UT= UNNAMED TRIBUTARY

WELL OES NO. R3HM  
TOP HOLE  
STATE PLANE COORDINATES  
(NORTH ZONE-NAD 83)  
N: 341274.1  
E: 1836240.6  
GEO: LAT: 39°26'09.7"  
LON: 79°58'05.8"  
UTM COORDINATES-ZONE17  
(NAD 83-METER)  
N: 4365673.4  
E: 588788.6

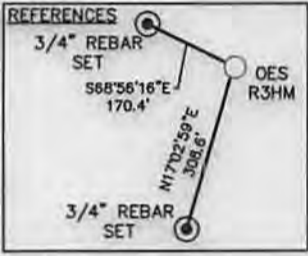
2,875' TOP HOLE | 4,855' BOTTOM HOLE

LATITUDE 39° 27' 30"



LONGITUDE 79° 57' 30" 1,968' BOTTOM HOLE 8,157' TOP HOLE

USER: kpoth LAYOUT: 3HM PLOT DATE/TIME: 4/24/2014 - 10:16am CAD FILE: R:\030-2000\Survey\WELLS 1.3.5 (4-24-14).dwa

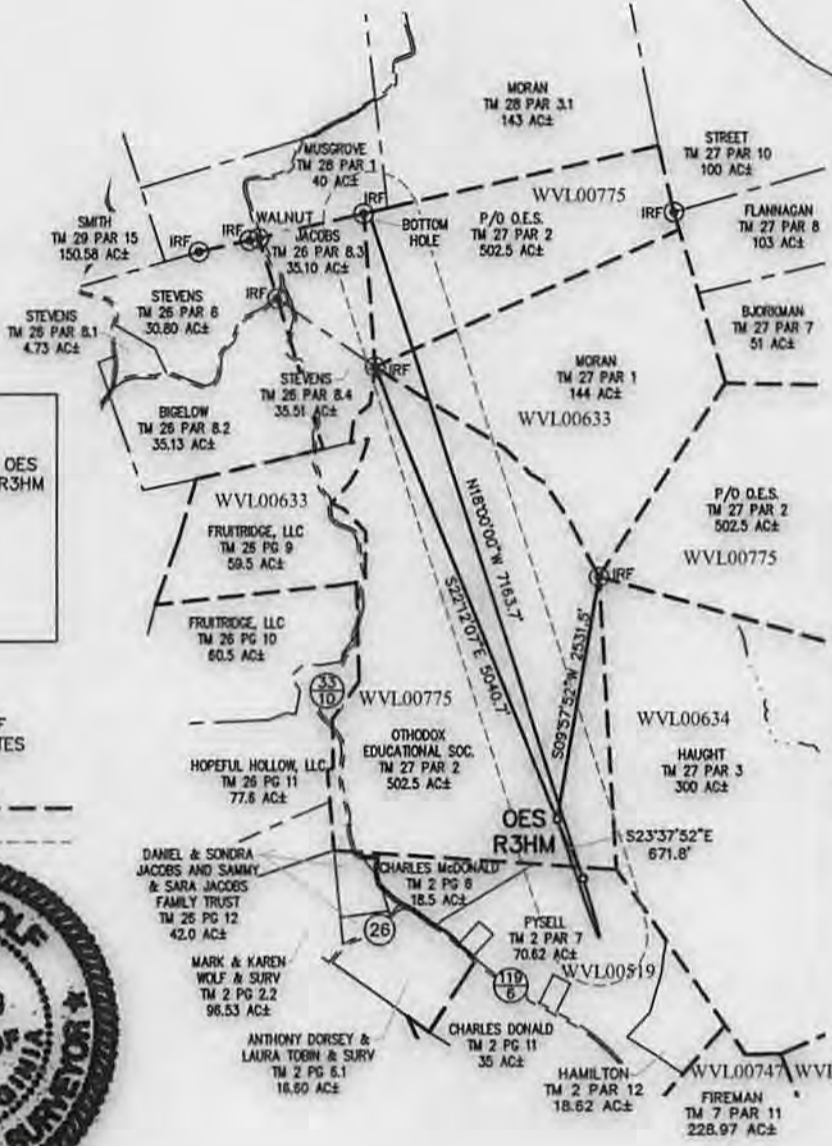


TH BH DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP

LEASE BOUNDARY 500' BUFFER

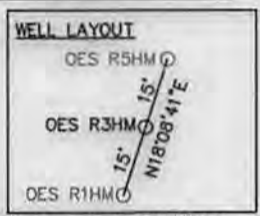


Michael S. Wolf, P.S. 2270  
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



WELL OES NO. R3HM  
LAUNCH POINT  
STATE PLANE COORDINATES  
(NORTH ZONE-NAD 83)  
N: 340658.6  
E: 1836509.9  
GEO: LAT: 39°26'03.7"  
LON: 79°58'02.3"  
UTM COORDINATES-ZONE17  
(NAD 83-METER)  
N: 4365487.2  
E: 588873.8

WELL OES NO. R3HM  
BOTTOM HOLE  
STATE PLANE COORDINATES  
(NORTH ZONE-NAD 83)  
N: 347471.7  
E: 1834296.2  
GEO: LAT: 39°27'10.9"  
LON: 79°58'31.0"  
UTM COORDINATES-ZONE17  
(NAD 83-METER)  
N: 4367551.8  
E: 588164.7



FILE NO. 030-2000  
SCALE: 1"=2000'  
MINIMUM DEGREE OF ACCURACY: 1 in 2500  
PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS

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

DATE APRIL 24, 2014  
OPERATOR'S WELL NO. OES NO. R3HM  
API WELL NO. 47 - 091 - 01298464  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  (IF "GAS"), PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION: 1951.00' WATER SHED: WHITE DAY CREEK  
DISTRICT: FETTERMAN COUNTY: TAYLOR  
QUADRANGLE: GLADESVILLE 7.5' ACREAGE: 502.5 AC±  
SURFACE OWNER: ORTHODOX EDUCATIONAL SOCIETY LEASE ACREAGE: 717.12 AC±  
OIL & GAS ROYALTY OWNER: ORTHODOX EDUCATIONAL SOCIETY/UNION NATIONAL BANK, TRUSTEE TRUMAN GORE & C.BURKE MORRIS/CHARLES & LEVERNE MACDONALD LEASE NO. WVL00775/WVL00519/WVL00633



PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PERFORATE NEW FORMATION  PLUG OFF OLD FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
PLUG AND ABANDON CLEAN OUT AND REPLUG  
TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,875' TVD / 16,075' MD  
WELL OPERATOR: PDC MOUNTAINEER, LLC. DESIGNATED AGENT: STEVEN P. JOHNSON  
ADDRESS: 120 GENESIS BOULEVARD BRIDGEPORT, WV 26330 ADDRESS: 120 GENESIS BOULEVARD BRIDGEPORT, WV 26330

08/29/2014



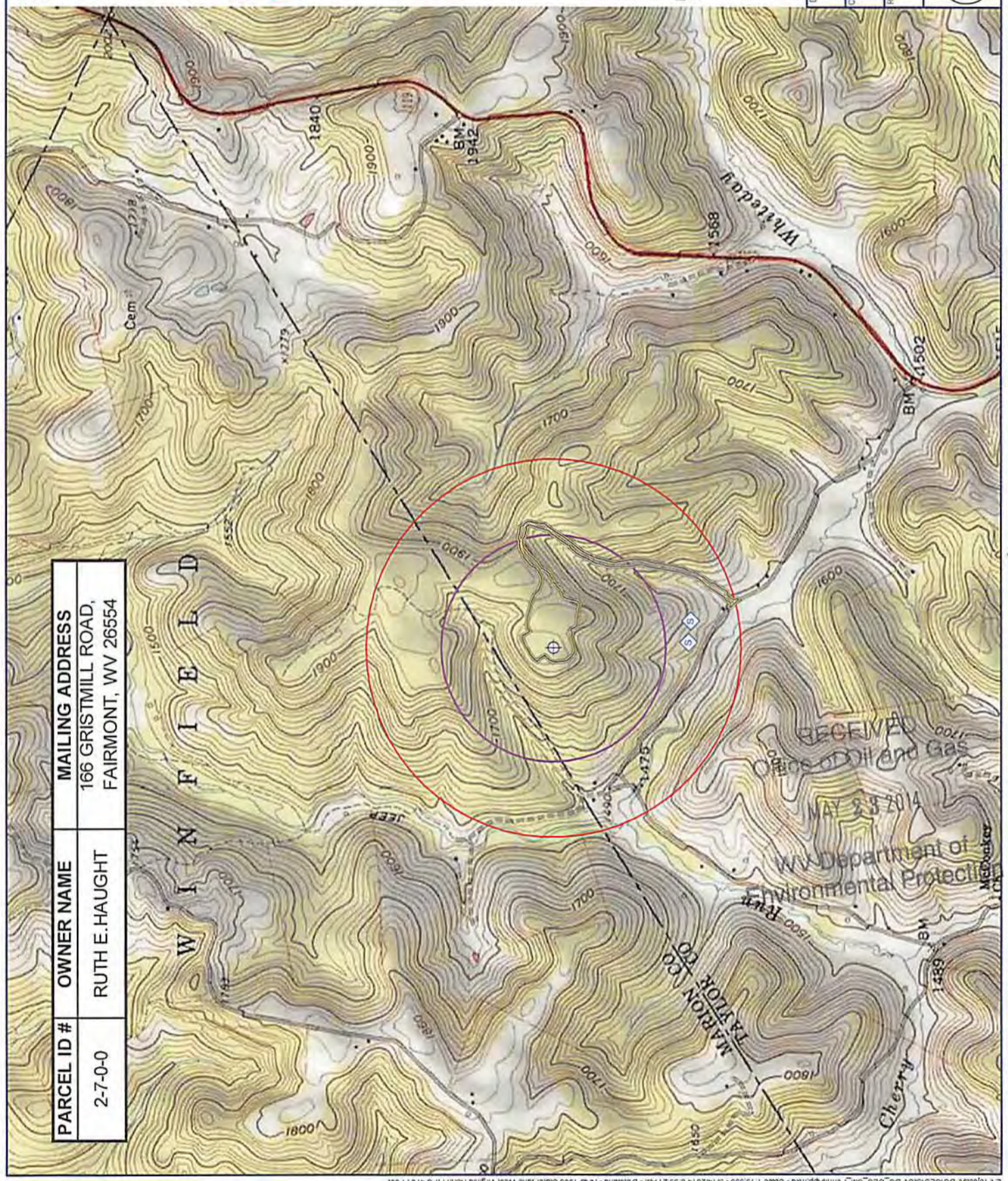


**Legend**

- Spring
- Well
- Oil/Gas Well
- Access Road
- 1,500 ft Buffer
- 2,500 ft Buffer

Notes:  
1) No sources located within the 1,500' radius.

<small>DRAFTED BY:</small> DMC	<small>SITE MAP</small> OES R1HM, R3HM, R5HM	
<small>CHECKED BY:</small>	PDC MOUNTAINEER, LLC TAYLOR COUNTY, WV	
<small>REVIEWED BY:</small>	Groundwater & Environmental Services, Inc. 827 FAIRMONT ROAD, SUITE 201, MORGANTOWN, WV 26501	
<small>NORTH</small> 	<small>SCALE IN FEET</small> 	<small>DATE</small> 5-14-14
	<small>FIGURE</small> 5-14-14	



<small>PARCEL ID #</small> 2-7-0-0	<small>OWNER NAME</small> RUTH E. HAUGHT	<small>MAILING ADDRESS</small> 166 GRISTMILL ROAD, FAIRMONT, WV 26554
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