

**PDC MOUNTAINEER, LLC.**  
**WELL NO. ARMSTRONG/REYNOLDS 2HM**

**NOTES:**  
 --PLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 83. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.

--THERE ARE NO WATER WELLS LOCATED WITHIN 250' OF WELL 2HM.

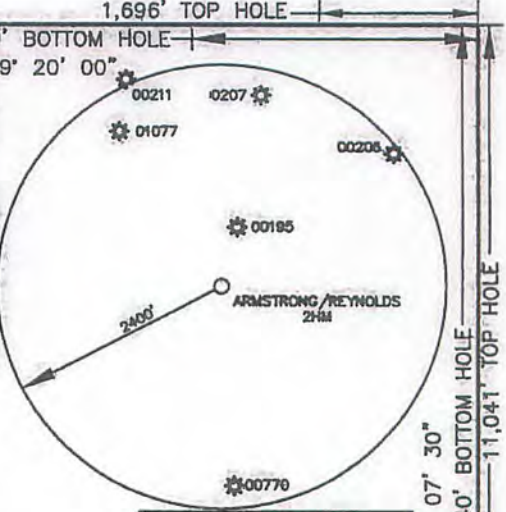
⊙ = MONUMENT FOUND IRON REBAR UNLESS NOTED OTHERWISE.

L1	S38°45'00"E	394.00'
L2	N71°57'00"E	587.00'
L3	S19°17'00"E	1243.00'
L4	N74°57'00"E	358.00'
L5	N47°11'00"E	848.00'
L6	S46°55'00"E	546.00'
L7	S70°30'00"E	437.00'

L8	S60°15'00"E	300.00'
L9	S36°15'00"E	106.00'
L10	S02°24'00"W	105.00'
L11	S44°15'00"W	138.00'
L12	S25°16'00"W	43.00'
L13	S43°44'00"E	87.00'
L14	S84°27'00"W	123.00'
L15	S51°10'00"E	427.35'
L16	S47°30'00"E	368.45'
L17	S21°45'00"E	225.39'
L18	S39°05'00"W	1905.95'
L19	S82°18'00"W	603.41'
L20	S70°05'00"W	1351.02'
L21	N28°07'00"W	670.07'
L22	N28°57'00"E	399.86'
L23	N21°22'00"W	259.86'
L24	N26°30'00"W	754.22'
L25	N03°00'00"W	563.64'
L26	N88°15'00"W	606.36'
L27	S49°30'00"W	310.53'
L28	N87°08'00"W	980.14'

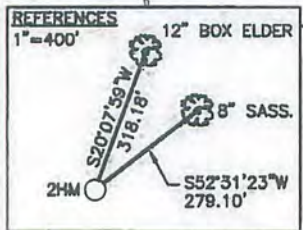
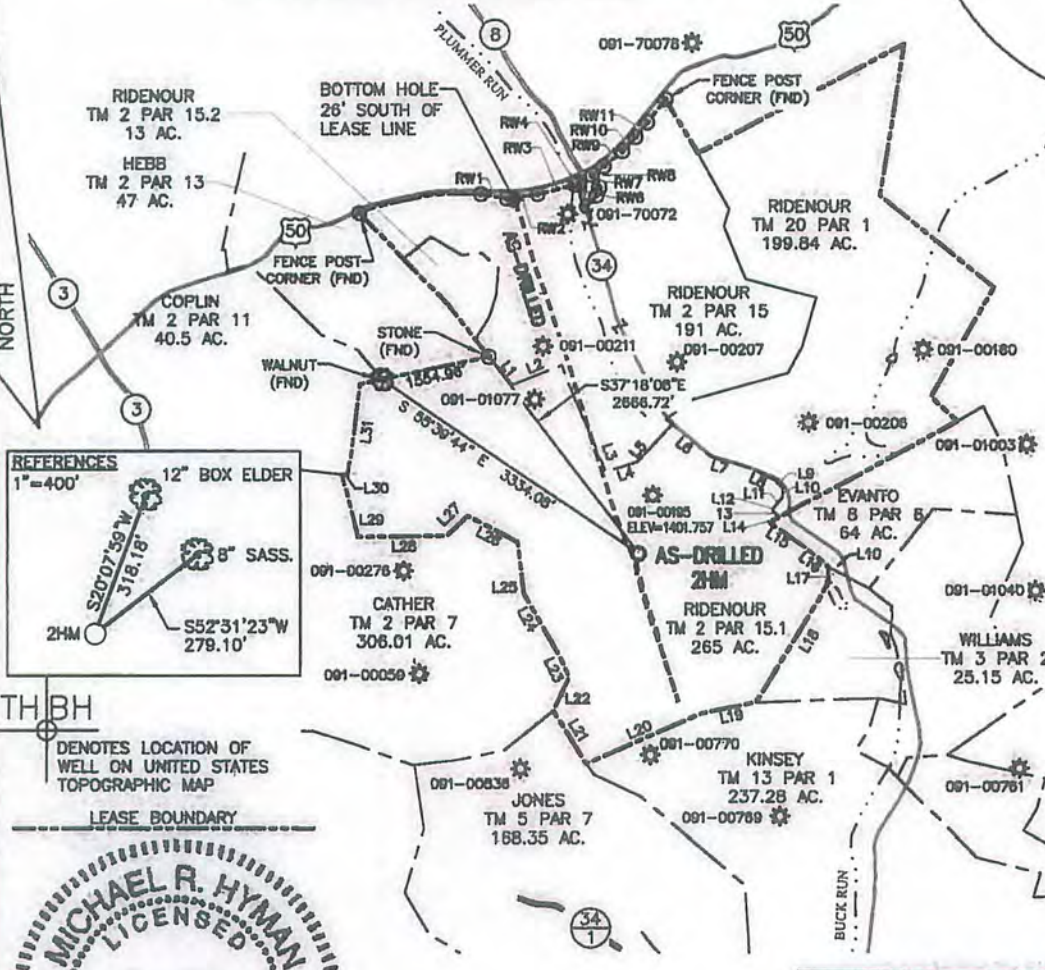
L29	N10°00'00"W	694.85'
L30	S81°45'00"E	84.02'
L31	N11°00'00"E	955.02'

RW1	S80°15'18"E	279.36'
RW2	N82°00'24"E	337.42'
RW3	N78°21'22"E	412.37'
RW4	N79°06'38"E	38.22'
RW5	N41°49'55"E	185.33'
RW6	N20°55'41"E	84.00'
RW7	N30°26'53"W	156.00'
RW8	N53°26'46"E	164.40'
RW9	N50°35'02"E	259.00'
RW10	N43°11'33"E	207.30'
RW11	N38°54'15"E	201.27'



**WELL NO. 2HM AS-DRILLED TOP HOLE**  
 STATE PLANE COORDINATES (NAD 83 NORTH ZONE)  
 N: 293137.708  
 E: 1789999.055  
 LAT: 39°18'11.16"  
 LON: 80°07'50.88"  
**UTM COORDINATES (NAD 83-METER)**  
 N: 4350772.890  
 E: 574943.976

**WELL NO. 2HM AS-DRILLED BOTTOM HOLE**  
 STATE PLANE COORDINATES (NAD 83 NORTH ZONE)  
 N: 296949.368  
 E: 1788865.105  
 LAT: 39°18'48.74"  
 LON: 80°08'08.19"  
**UTM COORDINATES (NAD 83-METER)**  
 N: 4351927.431  
 E: 574518.243

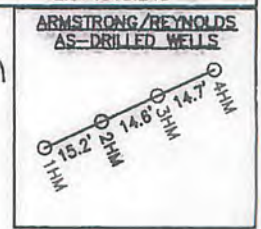


THBH DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP



**AS-DRILLED PLAT**

**POINT OF PROVEN ELEVATION**  
 47-091-00185  
 LAT: 39°18'17.3934"  
 LON: 80°07'49.1072"  
 ELEV=1401.757



Michael R. Hyman, P.S. 983  
 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.

FILE NO. 030-2175	DATE JUNE 3, 2014
SCALE: 1"=2000'	OPERATOR'S WELL NO. ARMSTRONG/REYNOLDS NO. 2HM
MINIMUM DEGREE OF ACCURACY: 1 in 2500	API WELL NO.
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS	47 - 091 - 01281
	STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1410.42' WATER SHED: BUCK RUN  
 DISTRICT: FLEMINGTON COUNTY: TAYLOR  
 QUADRANGLE: ROSEMONT 7.5' ACREAGE: 265 AC±  
 SURFACE OWNER: PAULINE W. RIDENOUR LEASE ACREAGE: 735 AC±  
 OIL & GAS ROYALTY OWNER: EUGENE ARMSTRONG & T. MARIE REYNOLDS LEASE NO. \_\_\_\_\_

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: 7,912' TVD / 13,700' MD

WELL OPERATOR: PDC MOUNTAINEER, LLC. DESIGNATED AGENT: STEVEN JOHNSON  
 ADDRESS: 120 GENESIS BOULEVARD ADDRESS: 120 GENESIS BOULEVARD  
 BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330



06/06/2014