

PDC MOUNTAINEER, LLC.
WELL NO. ARMSTRONG/REYNOLDS 4HM

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 4HM.

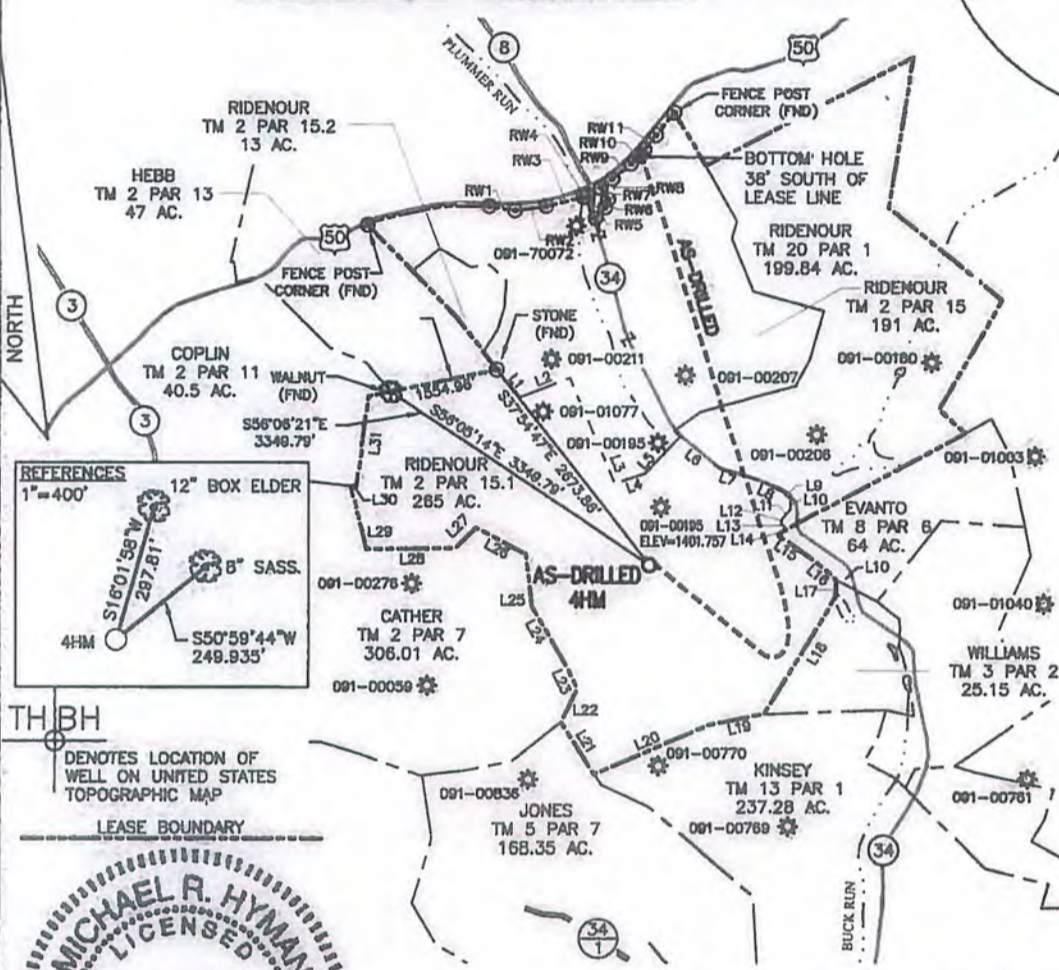
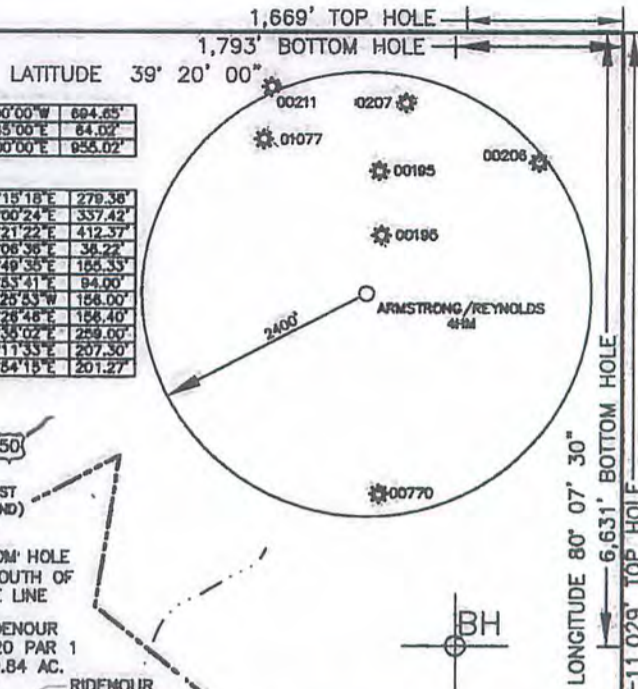
○ = MONUMENT FOUND
 IRON REBAR UNLESS
 NOTED OTHERWISE.

L1	S36°45'00"E	394.00'
L2	N71°57'00"E	667.00'
L3	S19°17'00"E	1243.00'
L4	N74°57'00"E	355.00'
L5	N47°11'00"E	648.00'
L6	S46°55'00"E	649.00'
L7	S70°30'00"E	437.00'

L8	S60°15'00"E	300.00'
L9	S38°15'00"E	108.00'
L10	S02°24'00"W	105.00'
L11	S44°13'00"W	138.00'
L12	S25°18'00"W	43.00'
L13	S43°44'00"E	87.00'
L14	S64°27'00"W	123.00'
L15	S91°10'00"E	427.35'
L16	S47°30'00"W	368.48'
L17	S21°45'00"E	225.39'
L18	S35°05'00"W	1806.95'
L19	S62°18'00"W	803.41'
L20	S70°05'00"W	1351.02'
L21	N28°07'00"W	670.07'
L22	N28°57'00"E	389.96'
L23	N21°22'00"W	259.66'
L24	N28°30'00"W	784.22'
L25	N03°00'00"W	563.84'
L26	N58°18'00"W	605.36'
L27	S49°30'00"W	310.53'
L28	N67°08'00"W	980.14'

L29	N10°00'00"W	694.65'
L30	S81°45'00"E	84.02'
L31	N11°00'00"E	956.02'

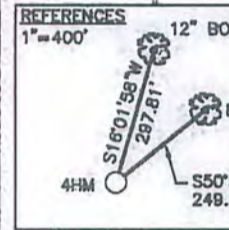
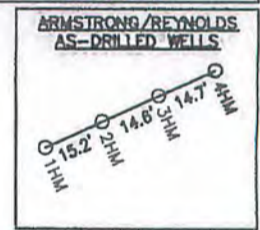
RW1	S60°15'18"E	279.38'
RW2	N82°00'24"E	337.42'
RW3	N76°21'22"E	412.37'
RW4	N75°06'36"E	36.22'
RW5	N41°49'35"E	165.33'
RW6	N20°53'41"E	84.00'
RW7	N30°25'53"W	156.00'
RW8	N55°28'46"E	156.40'
RW9	N50°55'02"E	259.00'
RW10	N43°11'33"E	207.30'
RW11	N38°54'15"E	201.27'



WELL NO. 4HM
AS-DRILLED TOP HOLE
STATE PLANE COORDINATES
 (NAD 83 NORTH ZONE)
 N: 293149.430
 E: 1790025.988
 LAT: 39°18'11.28"
 LON: 80°07'50.54"
UTM COORDINATES
 (NAD 83-METER)
 N: 4350776.597
 E: 574952.118

WELL NO. 4HM
AS-DRILLED BOTTOM HOLE
STATE PLANE COORDINATES
 (NAD 83 NORTH ZONE)
 N: 297548.456
 E: 1789935.697
 LAT: 39°18'54.75"
 LON: 80°07'52.08"
UTM COORDINATES
 (NAD 83-METER)
 N: 4352116.395
 E: 574902.320

POINT OF PROVEN ELEVATION
 47-091-00195
 LAT: 39°18'17.3934"
 LON: 80°07'49.1072"
 ELEV=1401.757



TH BH
 DENOTES LOCATION OF
 WELL ON UNITED STATES
 TOPOGRAPHIC MAP

MICHAEL R. HYMAN
LICENSED
No. 983
WEST VIRGINIA
PROFESSIONAL SURVEYOR
 Michael R. Hyman, P.S. 983

**AS-DRILLED
 PLAT**

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	<p>STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS</p>	DATE <u>JUNE 3</u> , 2014
SCALE: 1"=2000'		OPERATOR'S WELL NO. <u>ARMSTRONG/REYNOLDS NO. 4HM</u>
MINIMUM DEGREE OF ACCURACY: 1 in 2500		API WELL NO. <u>47 - 091 - 01280</u>
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS		STATE <u>WV</u> COUNTY <u>TAYLOR</u> PERMIT <u>01280</u>

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) _____

THRASHER
 THE THRASHER GROUP, INC.
 600 WHITE OAKS BLVD.
 BRIDGEPORT, WV 26330
 PHONE 304-624-4108

06/06/2014

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,912' TVD / 13,760' MD

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