

PDC MOUNTAINEER, LLC.
WELL NO. ARMSTRONG/REYNOLDS 3HM

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 3HM.

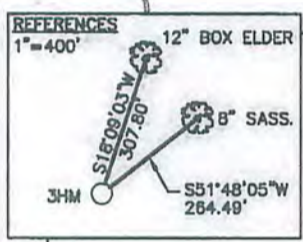
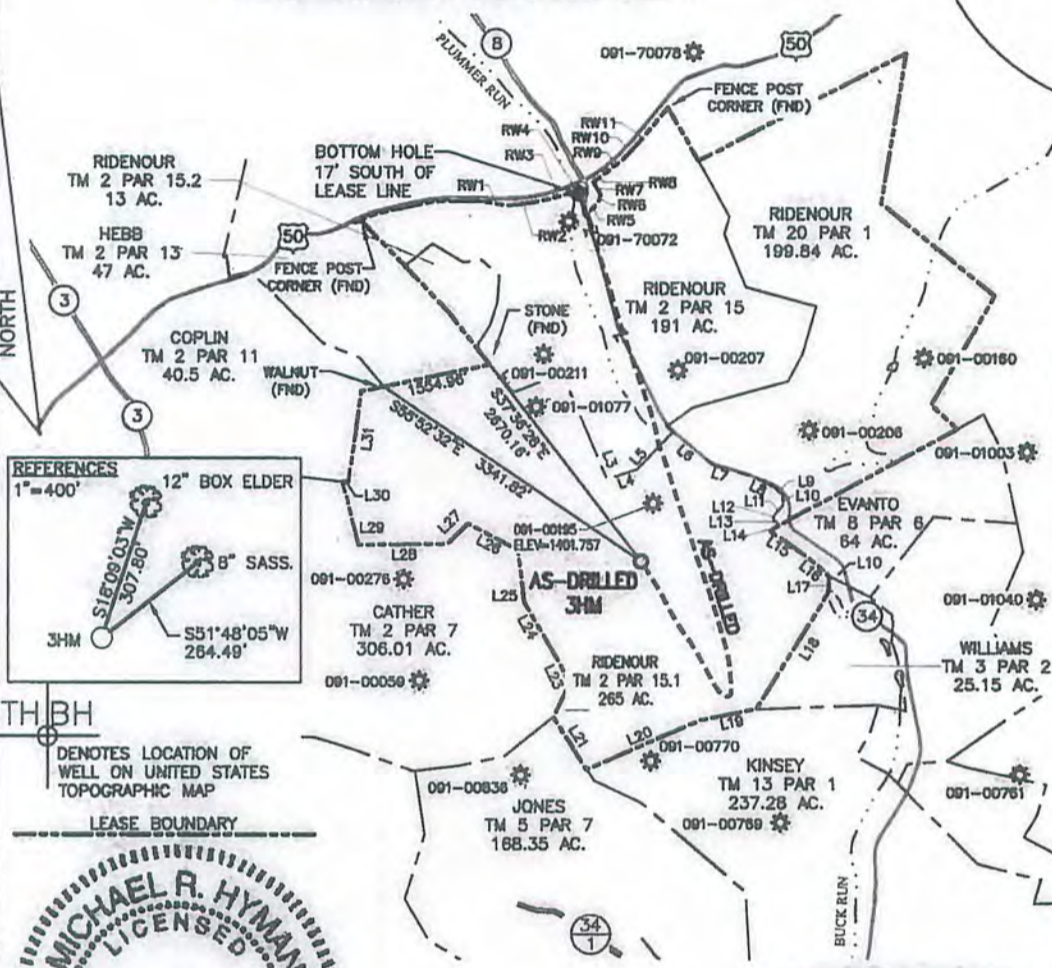
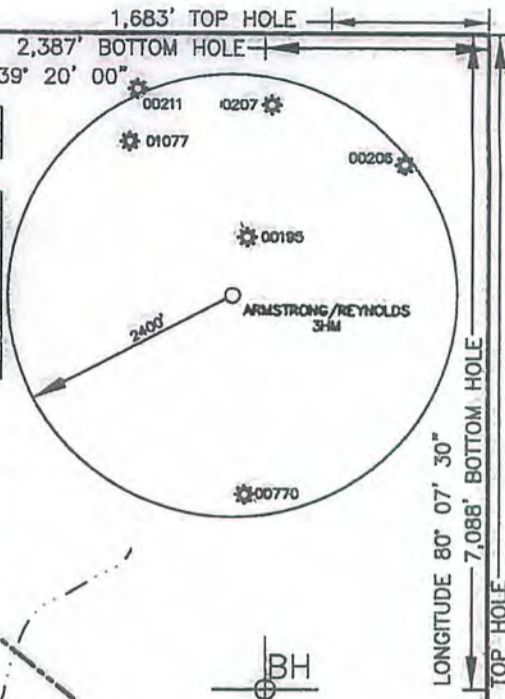
○ = MONUMENT FOUND IRON REBAR UNLESS NOTED OTHERWISE.

L1	S38°45'00"E	394.00'
L2	N71°57'00"E	567.00'
L3	S18°17'00"E	1243.00'
L4	N74°57'00"E	308.00'
L5	N47°11'00"E	848.00'
L6	S46°55'00"E	548.00'
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	108.00'
L11	S44°13'00"W	138.00'
L12	S25°16'00"W	43.00'
L13	S43°44'00"E	97.00'
L14	S64°27'00"W	123.00'
L15	S51°10'00"E	427.35'
L16	S47°30'00"E	368.48'
L17	S21°43'00"E	223.39'
L18	S35°05'00"W	1805.95'
L19	S82°18'00"W	803.41'
L20	S70°05'00"W	1351.02'
L21	N28°07'00"W	870.07'
L22	N28°57'00"E	389.98'
L23	N21°22'00"W	259.88'
L24	N28°30'00"W	754.22'
L25	N03°00'00"W	863.84'
L26	N08°15'00"W	608.38'
L27	S49°30'00"W	310.53'
L28	N67°09'00"W	960.14'

L29	N10°00'00"W	694.65'
L30	S81°45'00"E	84.02'
L31	N11°00'00"E	855.02'

RW1	S60°15'18"E	279.36'
RW2	N82°00'24"E	337.42'
RW3	N75°21'22"E	412.37'
RW4	N75°05'38"E	36.22'
RW5	N41°46'35"E	185.33'
RW6	N20°53'41"E	94.00'
RW7	N30°26'53"W	188.00'
RW8	N53°28'48"E	158.40'
RW9	N50°35'02"E	259.00'
RW10	N43°11'33"E	207.30'
RW11	N38°54'18"E	201.27'

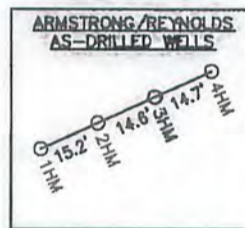


TH BH DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP

LEASE BOUNDARY



AS-DRILLED PLAT



WELL NO. 3HM AS-DRILLED TOP HOLE STATE PLANE COORDINATES (NAD 83 NORTH ZONE)
N: 293143.635
E: 1790012.447
LAT: 39°18'11.22"
LON: 80°07'50.71"
UTM COORDINATES (NAD 83-METER)
N: 4350774.763
E: 574848.028

POINT OF PROVEN ELEVATION
47-091-00195
LAT: 39°18'17.3934"
LON: 80°07'49.1072"
ELEV=1401.757
3HM AS-DRILLED

WELL NO. 3HM AS-DRILLED BOTTOM HOLE STATE PLANE COORDINATES (NAD 83 NORTH ZONE)
N: 297096.070
E: 1789338.304
LAT: 39°18'50.24"
LON: 80°07'59.64"
UTM COORDINATES (NAD 83-METER)
N: 4351875.539
E: 574722.604

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	<p>STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS</p>	DATE JUNE 3, 2014
SCALE: 1"=2000'		OPERATOR'S WELL NO. ARMSTRONG/REYNOLDS NO. 3HM
MINIMUM DEGREE OF ACCURACY: 1 in 2500		API WELL NO.
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS		47 - 091 - 01279 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 / 13,750' MD

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

06/06/2014