FORM WW-6

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

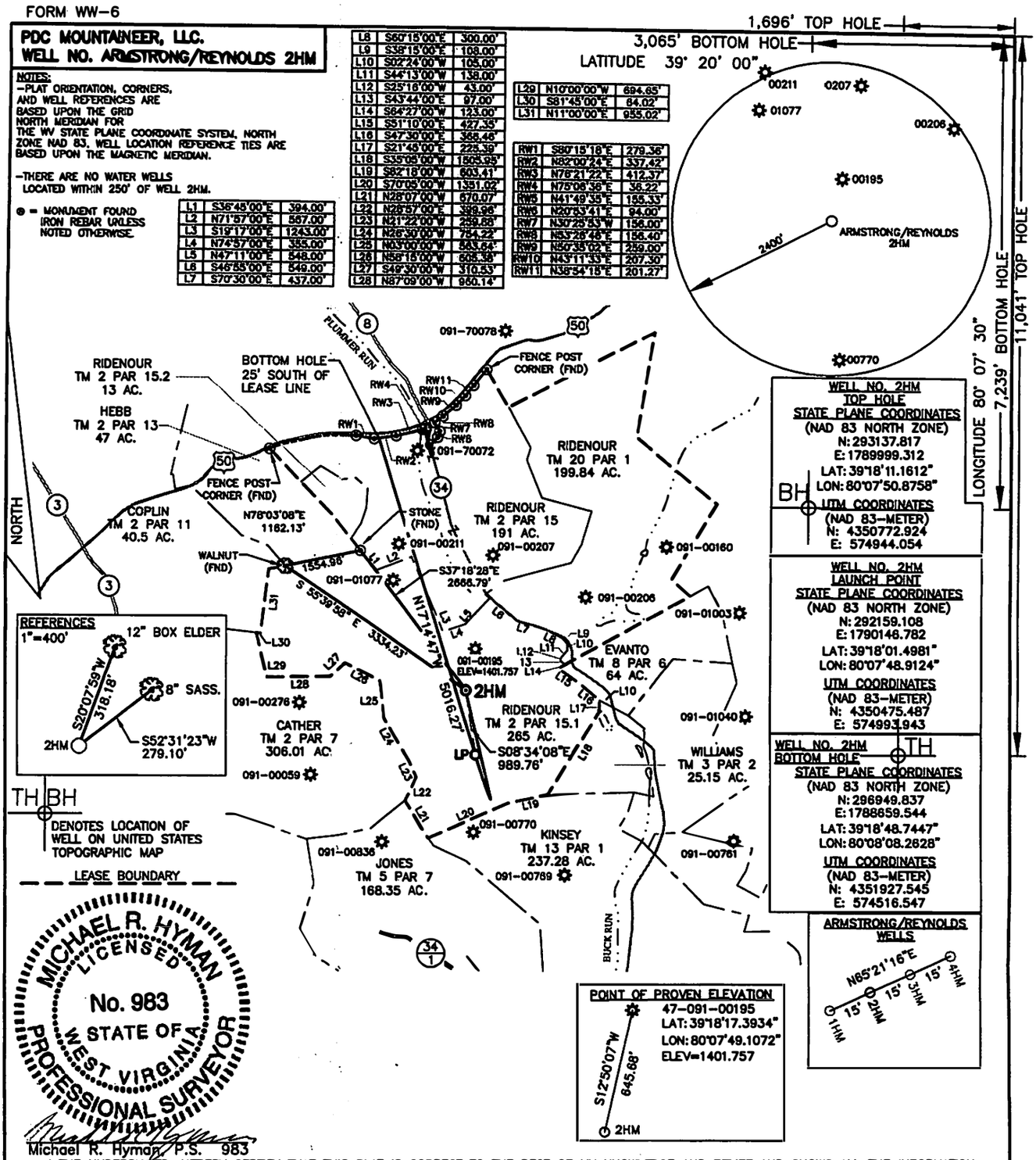
NOTES:
-PLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 83. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.

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

● = MONUMENT FOUND IRON REBAR UNLESS NOTED OTHERWISE.

L1	S36°45'00"E	394.00'
L2	N71°57'00"E	567.00'
L3	S19°17'00"E	1243.00'
L4	N74°57'00"E	355.00'
L5	N47°11'00"E	548.00'
L6	S46°55'00"E	549.00'
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°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	366.46'
L17	S21°45'00"E	225.39'
L18	S35°05'00"W	1505.95'
L19	S82°18'00"W	603.41'
L20	S70°05'00"W	1351.02'
L21	N28°07'00"W	570.07'
L22	N26°57'00"E	398.96'
L23	N21°22'00"W	259.88'
L24	N26°30'00"W	754.22'
L25	N03°00'00"W	543.64'
L26	N56°15'00"W	605.38'
L27	S49°30'00"W	310.53'
L28	N87°09'00"W	960.14'
L29	N10°00'00"W	694.65'
L30	S81°45'00"E	84.02'
L31	N11°00'00"E	955.02'

RW1	S80°15'16"E	279.36'
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	155.33'
RW6	N20°53'41"E	94.00'
RW7	N30°25'53"W	156.00'
RW8	N53°26'45"E	156.40'
RW9	N50°35'02"E	259.00'
RW10	N43°11'33"E	207.30'
RW11	N36°54'15"E	201.27'



WELL NO. 2HM
TOP HOLE
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)
N: 293137.817
E: 1789999.312
LAT: 39°18'11.1612"
LON: 80°07'50.8758"
UTM COORDINATES
(NAD 83-METER)
N: 4350772.924
E: 574944.054

WELL NO. 2HM
LAUNCH POINT
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)
N: 292159.108
E: 1790148.782
LAT: 39°18'01.4981"
LON: 80°07'48.9124"
UTM COORDINATES
(NAD 83-METER)
N: 4350475.487
E: 574993.943

WELL NO. 2HM
BOTTOM HOLE
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)
N: 296949.837
E: 1788659.544
LAT: 39°18'48.7447"
LON: 80°08'08.2628"
UTM COORDINATES
(NAD 83-METER)
N: 4351927.545
E: 574516.547

MICHAEL R. HYMAN LICENSED No. 983 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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
SCALE: 1"=2000'
MINIMUM DEGREE OF ACCURACY: 1 in 2500
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS

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

DATE NOVEMBER 26, ,2012
OPERATOR'S WELL NO. ARMSTRONG/REYNOLDS NO. 2HM
API WELL NO.
47 - 091 - 01281 H6A
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

THRASHER ENGINEERING
OIL AND GAS DIVISION
30 COLUMBIA BLVD.
CLARKSBURG, WV 26301
PHONE 304-624-4108

WELL OPERATOR: PDC MOUNTAINEER, LLC.
ADDRESS: 120 GENESIS BOULEVARD
BRIDGEPORT, WV 26330

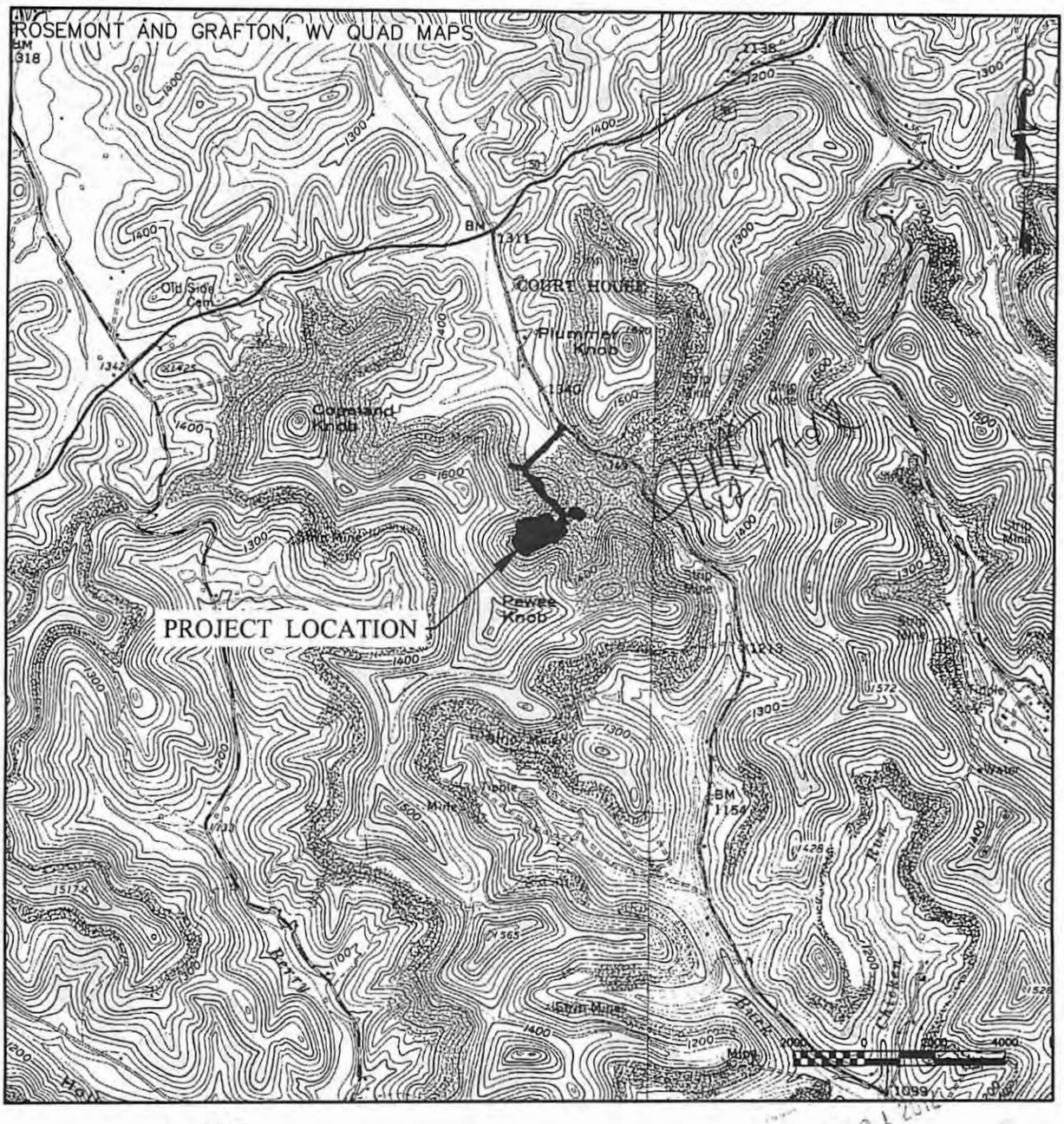
DESIGNATED AGENT: JAMIE HAGA
ADDRESS: 120 GENESIS BOULEVARD
BRIDGEPORT, WV 26330

05/03/2013

91-01281 VCRC 4-29

ARMSTRONG-REYNOLDS 1HM, 2HM, 3HM, AND 4HM

SITE MAP



PDC MOUNTAINEER

PHONE (304) 624-4108

THRASHER ENGINEERING

(FAX) (304) 624-7831

CIVIL · ENVIRONMENTAL · CONSULTING · FIELD SERVICES
30 COLUMBIA BOULEVARD – CLARKSBURG, WV 26301

DEC 8 1 2012

05/03/2013