

PDC MOUNTAINEER, LLC.
WELL NO. ARMSTRONG/REYNOLDS 1HM

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 1HM.

○ = MONUMENT FOUND IRON REBAR UNLESS NOTED OTHERWISE

L1	S36°45'00"E	384.00'
L2	N71°57'00"E	567.00'
L3	S19°17'00"E	1243.00'
L4	N74°57'00"E	385.00'
L5	N47°11'00"E	548.00'
L6	S46°55'00"E	549.00'
L7	S70°30'00"E	437.00'

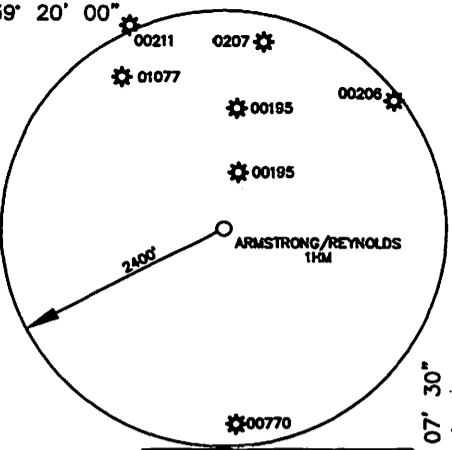
L8	S60°15'00"E	300.00'
L9	S38°15'00"E	108.00'
L10	S02°24'00"W	105.00'
L11	S44°13'00"W	138.00'
L12	S25°16'00"W	43.00'
L13	S43°44'00"E	97.00'
L14	S64°27'00"W	123.00'
L15	S51°10'00"E	427.35'
L16	S47°30'00"E	368.46'
L17	S21°45'00"E	223.39'
L18	S39°05'00"W	1805.95'
L19	S82°18'00"W	603.41'
L20	S70°05'00"W	1351.02'
L21	N28°07'00"W	670.07'
L22	N28°57'00"E	389.96'
L23	N21°22'00"W	289.88'
L24	N28°58'00"W	784.32'
L25	N03°00'00"W	583.64'
L26	N68°18'00"W	605.38'
L27	S49°30'00"W	310.53'
L28	N87°09'00"W	960.14'

L29	N10°00'00"W	894.85'
L30	S81°43'00"E	84.62'
L31	N11°00'00"E	955.02'

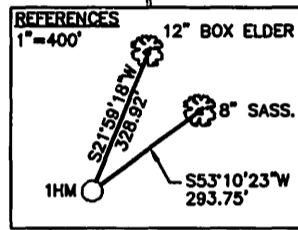
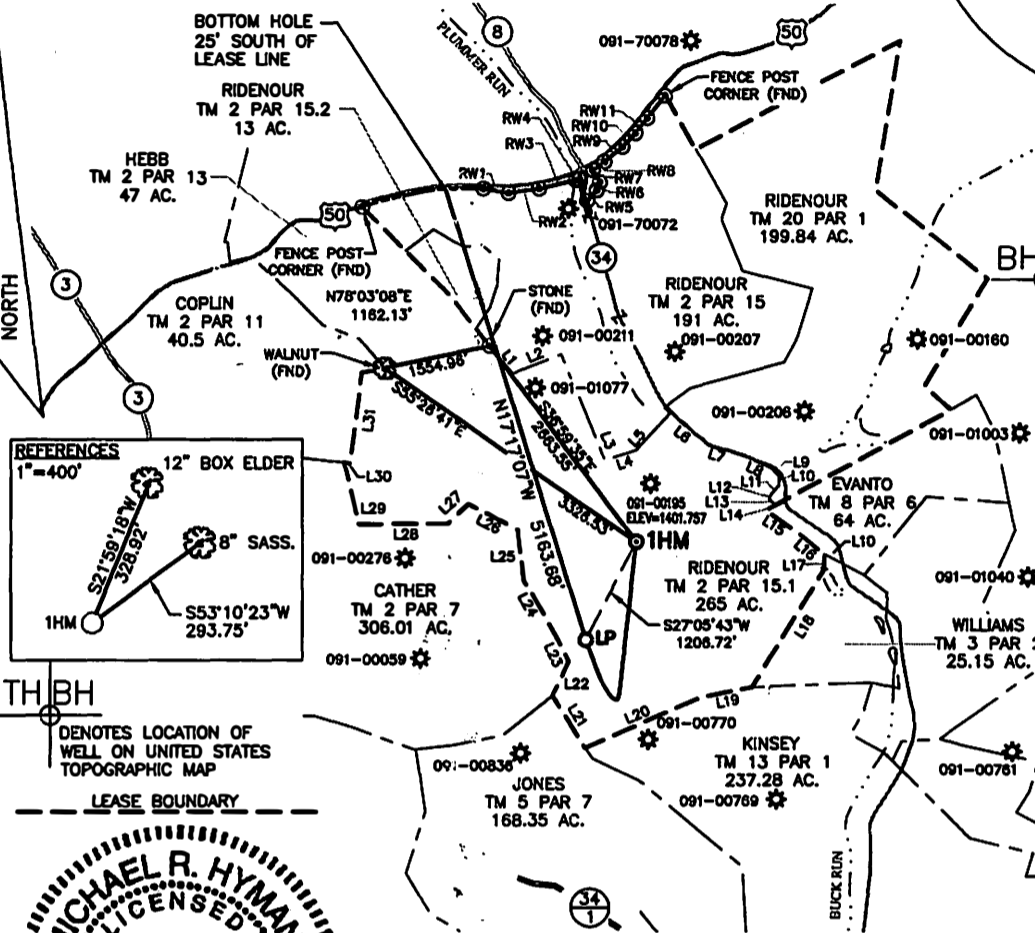
RW1	S80°15'18"E	278.36'
RW2	N82°00'24"E	337.42'
RW3	N72°21'22"E	412.37'
RW4	N79°06'36"E	36.22'
RW5	N41°49'55"E	135.33'
RW6	N27°55'41"E	94.00'
RW7	N30°28'53"W	156.00'
RW8	N52°28'48"E	136.40'
RW9	N50°38'02"E	229.00'
RW10	N43°11'33"E	207.30'
RW11	N38°54'15"E	201.27'

3,823' BOTTOM HOLE
LATITUDE 39° 20' 00"

1,709' TOP HOLE



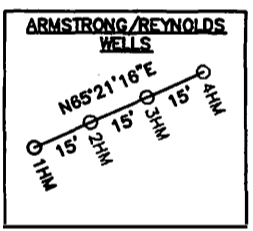
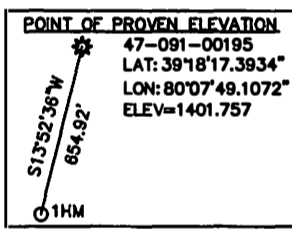
LONGITUDE 80° 07' 30"
7,207' BOTTOM HOLE
11,047' TOP HOLE



WELL NO. 1HM TOP HOLE
STATE PLANE COORDINATES (NAD 83 NORTH ZONE)
N: 293131.562
E: 1789985.678
LAT: 39°18'11.0984"
LON: 80°07'51.0487"
UTM COORDINATES (NAD 83-METER)
N: 4350770.949
E: 574939.932

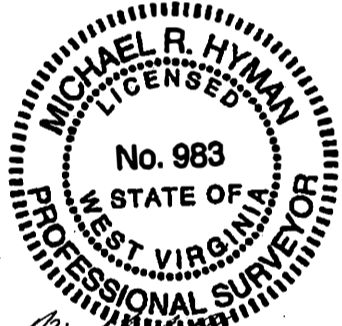
WELL NO. 1HM LAUNCH POINT
STATE PLANE COORDINATES (NAD 83 NORTH ZONE)
N: 292057.279
E: 1789438.050
LAT: 39°18'00.4423"
LON: 80°07'57.9445"
UTM COORDINATES (NAD 83-METER)
N: 4350440.861
E: 574777.920

WELL NO. 1HM BOTTOM HOLE
STATE PLANE COORDINATES (NAD 83 NORTH ZONE)
N: 296987.751
E: 1787901.759
LAT: 39°18'49.0664"
LON: 80°08'17.9078"
UTM COORDINATES (NAD 83-METER)
N: 4351935.256
E: 574285.480



THBH DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP

LEASE BOUNDARY



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



DATE NOVEMBER 26, 2012
OPERATOR'S WELL NO. ARMSTRONG/REYNOLDS NO. 1H
API WELL NO. 47 - 091 - 01278 HW
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 FORMAT ON OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

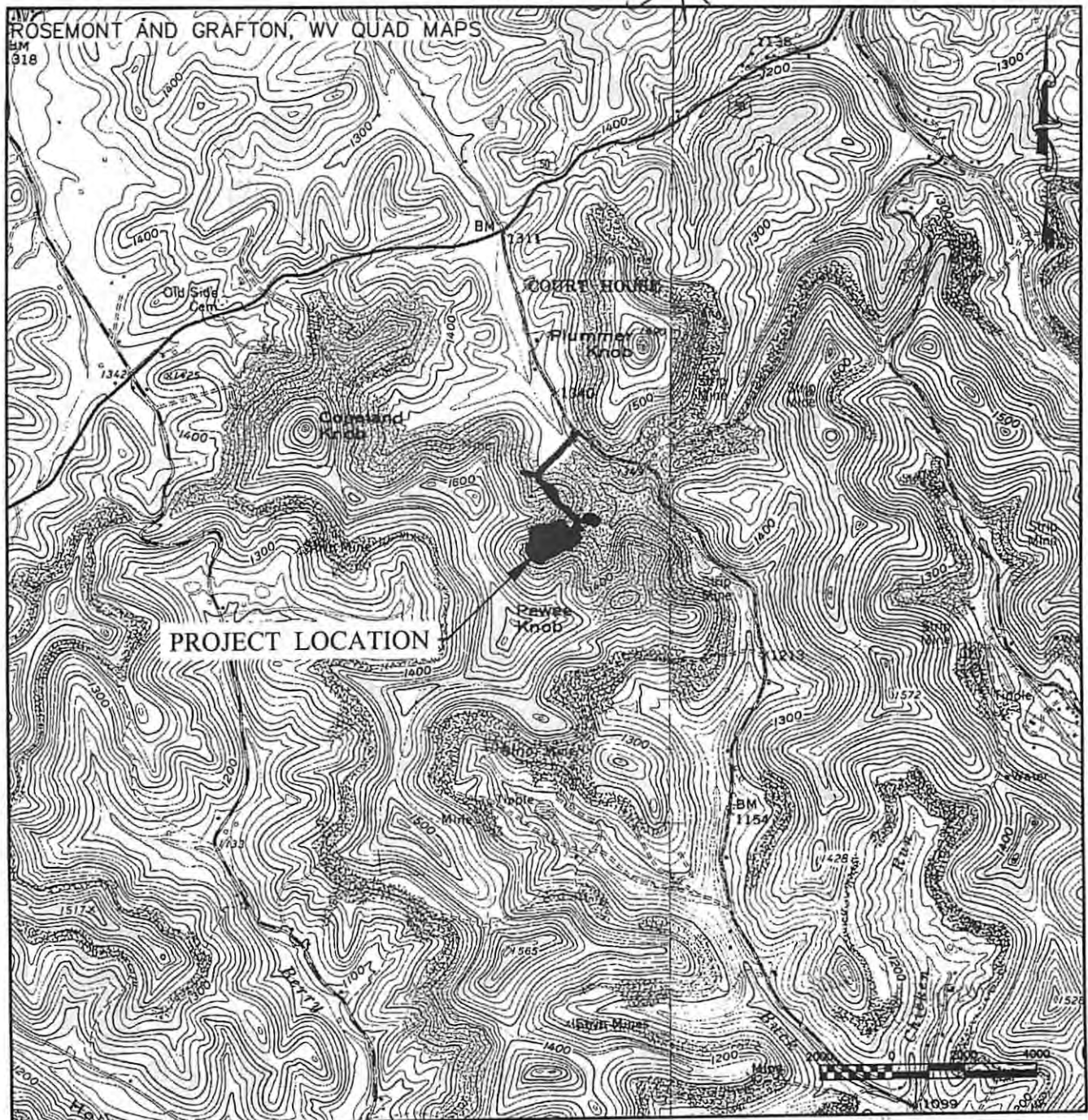
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,912' TVD / 13,670' MD

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

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

SITE MAP

JAM^c Court
12-17-12



PDC MOUNTAINEER

THRASHER ENGINEERING

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