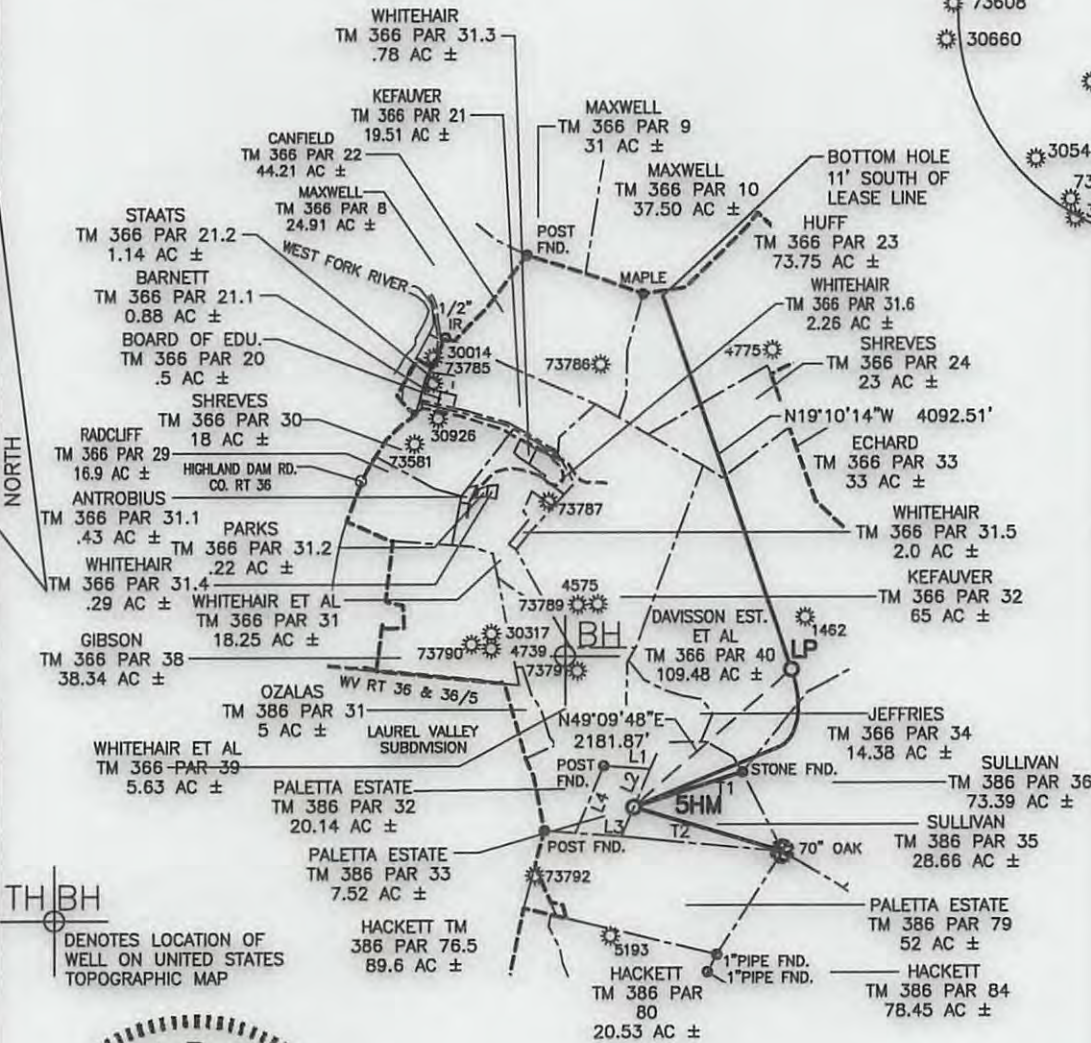


**PDC MOUNTAINEER, LLC.
GEPCO, PALETTA PAD WELL NO. 5HM**

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 APPEARS TO BE NO WATER WELLS LOCATED WITHIN 1000' OF WELL 5HM.

9,534' TOP HOLE
9,277' BOTTOM HOLE
LATITUDE 39° 15' 00"

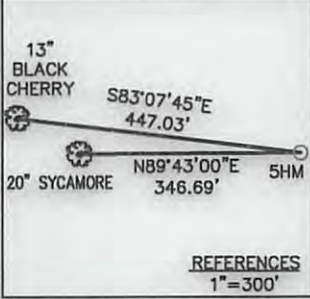
USER: kpoth
LAYOUT: 5HM (2)
PLOT DATE/TIME: 4/15/2013 - 1:55pm
CAD FILE: R:\030-2292 PDC - Paletta Well Pad\Survey\030-2292 PALETTA PLATS_4-9-13.dwg



TH BH
DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP



LINE	BEARING	DISTANCE
L1	S86°10'43"E	487.67'
L2	S23°37'40"W	756.81'
L3	N85°48'29"W	478.81'
L4	N23°04'17"E	750.93'
T1	S72°19'34"W	1191.9'
T2	N73°37'20"W	1618.43'



**WELL NO. 5HM
TOP HOLE
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)**
N:259662.811
E:1722835.797
LAT:39°12'34.77"
LON:80°22'01.17"
**UTM COORDINATES
(NAD 83-METER)**
N:4340233.923
E:554651.381

**WELL NO. 5HM
LAUNCH POINT
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)**
N:261089.546
E:1724486.551
LAT:39°12'49.03"
LON:80°21'40.37"
**UTM COORDINATES
(NAD 83-METER)**
N:4340676.956
E:555147.065

**WELL NO. 5HM
BOTTOM HOLE
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)**
N:264955.107
E:1723142.653
LAT:39°13'27.11"
LON:80°21'57.92"
**UTM COORDINATES
(NAD 83-METER)**
N:4341847.819
E:554718.042



FILE NO. 030-2292
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 APRIL 15, 2013
OPERATOR'S WELL NO. GEPCO, PALETTA PAD NO. 5HM
API WELL NO. 47 - 033 - 05770H6A
STATE 47 COUNTY 033 PERMIT 05770H6A

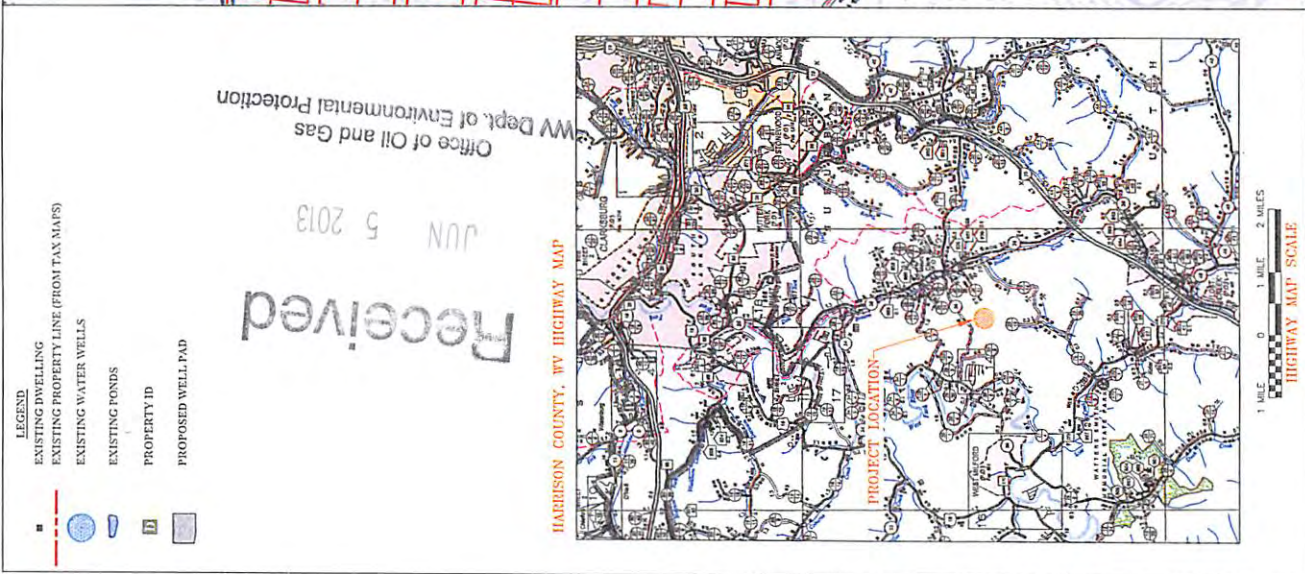
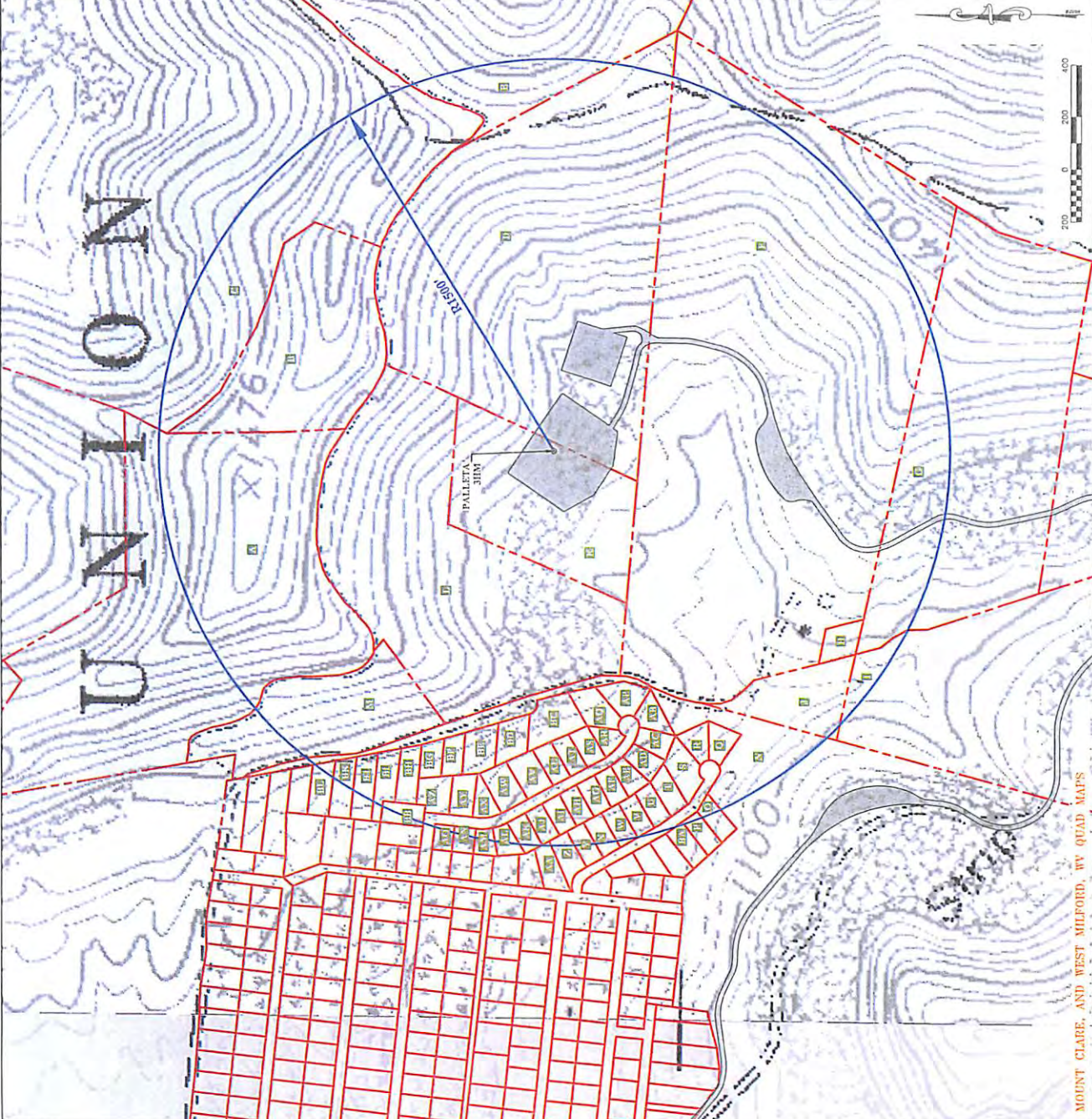
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS"), PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1161.40 WATER SHED: WEST FORK RIVER
DISTRICT: UNION COUNTY: HARRISON
QUADRANGLE: MOUNT CLARE 7.5' ACREAGE: 7.52 AC±
SURFACE OWNER: DOMINECK PALETTA, ESTATE LEASE ACREAGE: 315.80 AC±
OIL & GAS ROYALTY OWNER: DOMINECK PALETTA ESTATE C/O TONY PALETTA, G. DIANE SULLIVAN
COAL ROYALTY OWNER: MIKE ROSS, INC. & W.J. SUTTON 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: 7,280' TVD / 12,350' MD

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

09/20/2013



LEGEND
 EXISTING DWELLING
 EXISTING PROPERTY LINE (FROM TAX MAPS)
 EXISTING WATER WELLS
 EXISTING PONDS
 PROPERTY ID
 PROPOSED WELL PAD

Received
 JUN 5 2013
 Office of Oil and Gas
 WV Dept. of Environmental Protection

CAD FILE: R:\200-2292 PDC - Palletia Well Pad\Drawings\Water Symbols.dwg
 PLOT DATE/TIME: 4/15/2013 11:08 AM

33-05770