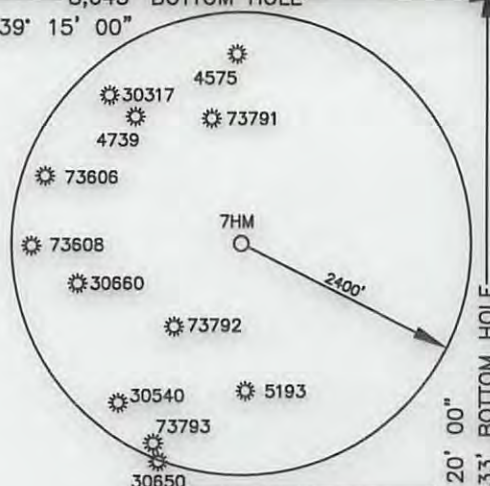


**PDC MOUNTAINEER, LLC.
GEPCO, PALETTA WELL NO. PAD 7HM**

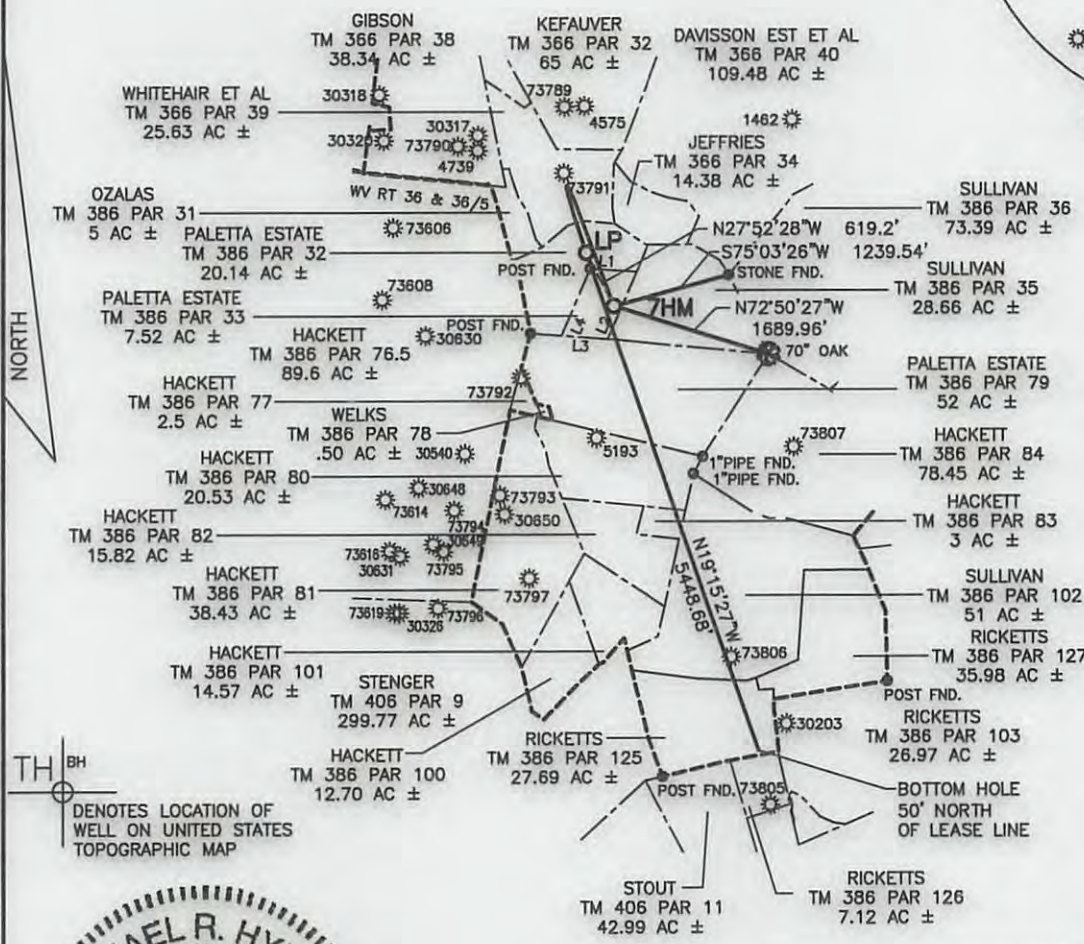
NOTES:
- PLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 83. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.

- THERE APPEARS TO BE NO WATER WELLS LOCATED WITHIN 1000' OF WELL 7HM

9,596' TOP HOLE
8,045' BOTTOM HOLE
LATITUDE 39° 15' 00"



USER: kpoth
LAYOUT: 7HM (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



**WELL NO. 7HM
TOP HOLE
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)**
N:259705.048
E:1722773.821
LAT:39°12'35.18"
LON:80°22'01.96"
**UTM COORDINATES
(NAD 83-METER)**
N:4340246.476
E:554632.285

**WELL NO. 7HM
LAUNCH POINT
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)**
N:260252.407
E:1722484.322
LAT:39°12'40.57"
LON:80°22'05.71"
**UTM COORDINATES
(NAD 83-METER)**
N:4340411.766
E:554541.313

**WELL NO. 7HM
BOTTOM HOLE
STATE PLANE COORDINATES
(NAD 83 NORTH ZONE)**
N:255108.601
E:1724281.370
LAT:39°11'49.90"
LON:80°21'42.25"
**UTM COORDINATES
(NAD 83-METER)**
N:4338853.774
E:555114.867



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'



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

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. 7HM
API WELL NO. 47 - 033 - 05772 H6A
STATE COUNTY PERMIT

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: 236.17 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 / 13,810' MD
WELL OPERATOR: PDC MOUNTAINEER, LLC. DESIGNATED AGENT: JAMIE HAGA
ADDRESS: 120 GENESIS BOULEVARD ADDRESS: 120 GENESIS BOULEVARD
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

09/20/2013

1111 6 000



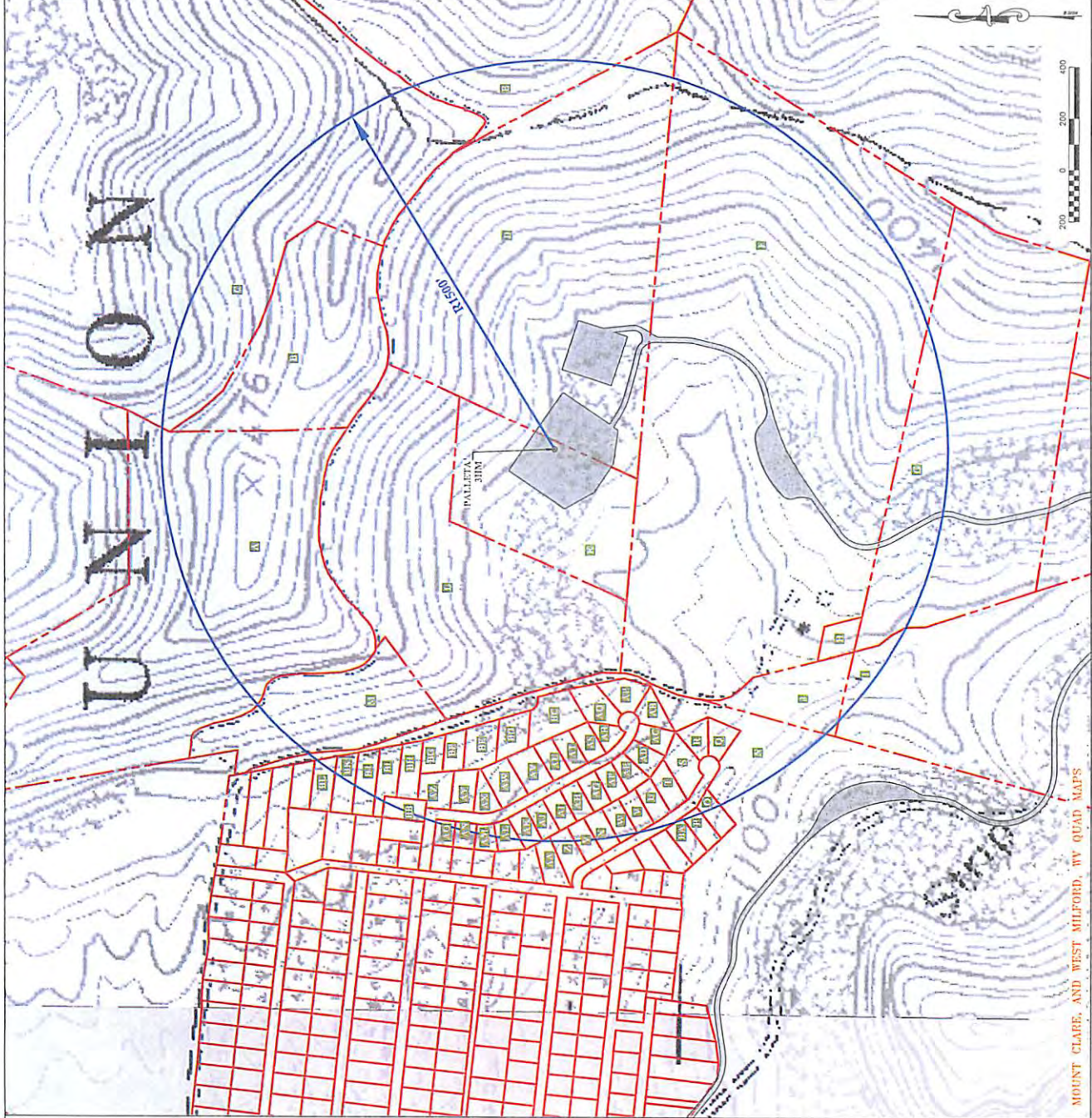
PDC MOUNTAINEER, LLC
CONSTRUCTION PLANS FOR THE
WATER WELL LOCATION
HARRISON COUNTY, WEST VIRGINIA
PALLETIA SHM (1500 FT RADII)

PHONE (304) 824-4100
FAX (304) 824-1811
THRASHER
ENGINEERING & CONSULTING, P.C.
20 COLUMBIA BOULEVARD - CLARKSBURG, WV 26301

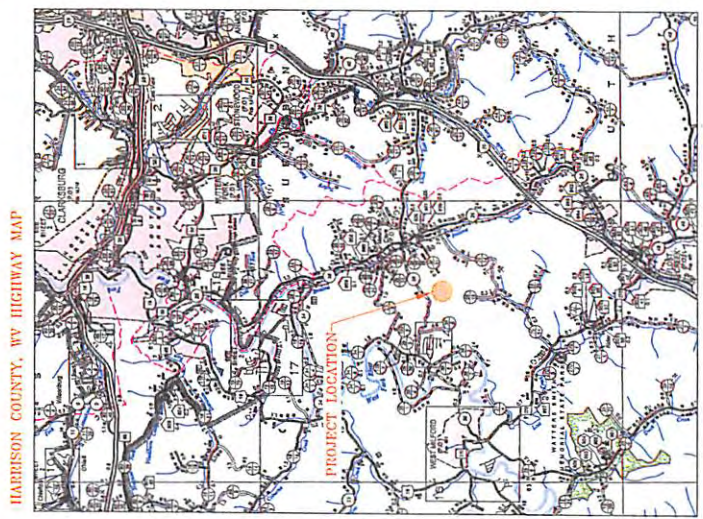
DATE: 4/15/2013
DRAWN BY: [redacted]
CHECKED BY: [redacted]
PROJECT NO.: 1-01-030-2292

NO.	BY	DATE	DESCRIPTION

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MOUNT CLARE, AND WEST MILFORD, WV QUAD MAPS



HARRISON COUNTY, WV HIGHWAY MAP

PROJECT LOCATION

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

33-05772