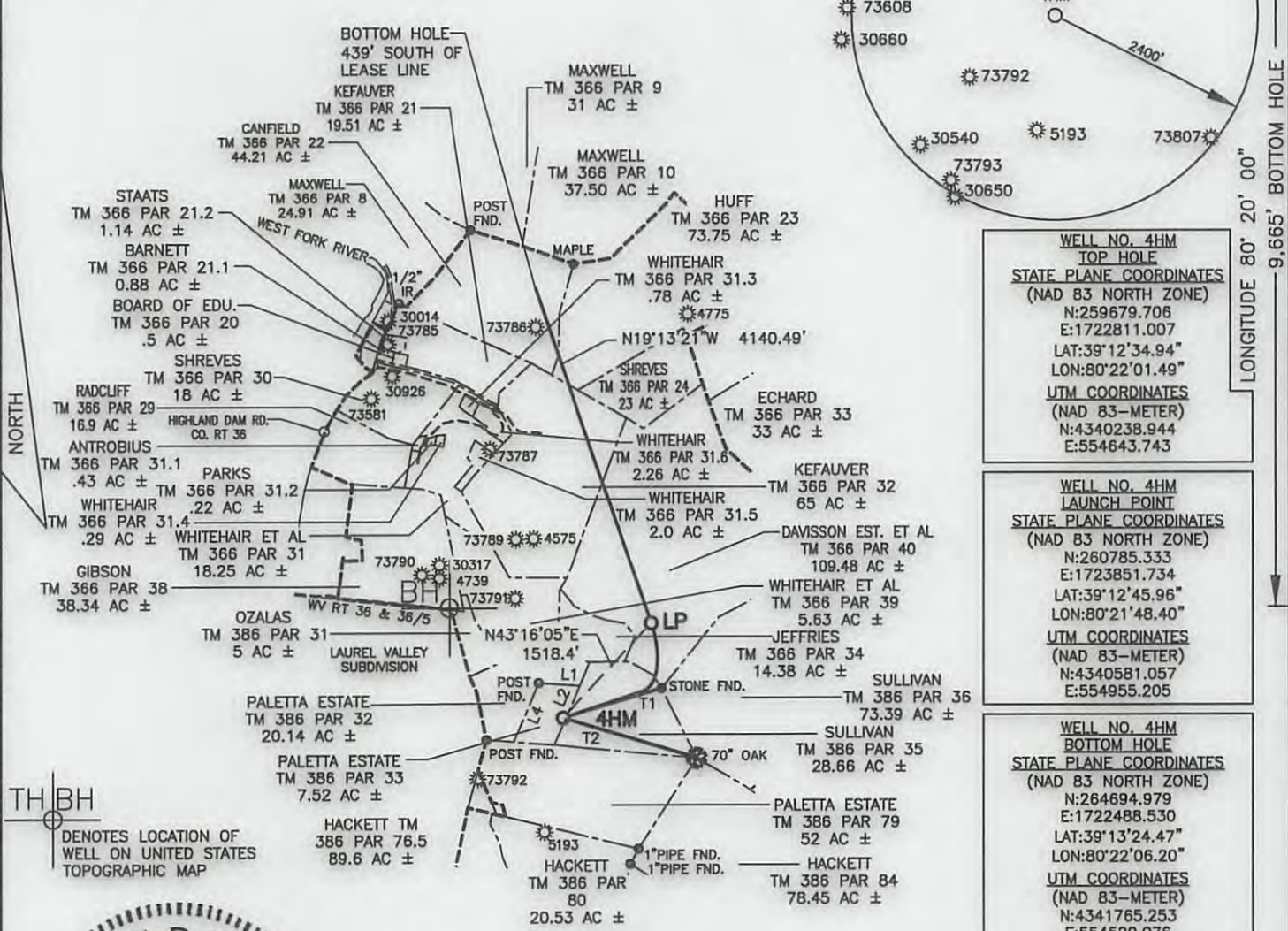


**PDC MOUNTAINEER, LLC.
GEPSCO, PALETTA PAD WELL NO. 4HM**

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 4HM.

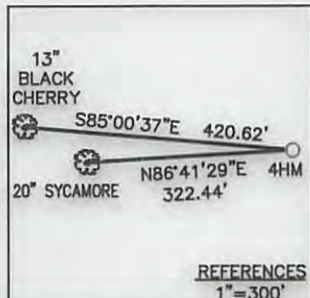
USER: kpoth
LAYOUT: 4HM (2)
PLOT DATE/TIME: 4/18/2013 - 7:44am
CAD FILE: R:\030-2292 PDC - Paletta Well Pad\Survey\030-2292 PALETTA PLATS_4-17-13.dwg



TH BH
DENOTES LOCATION OF WELL ON LOCAL 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	S73°26'39"W	1210.63'
T2	N73°18'05"W	1647.01'



WELL NO. 4HM TOP HOLE
STATE PLANE COORDINATES (NAD 83 NORTH ZONE)
N:259679.706
E:1722811.007
LAT:39°12'34.94"
LON:80°22'01.49"
UTM COORDINATES (NAD 83-METER)
N:4340238.944
E:554643.743

WELL NO. 4HM LAUNCH POINT
STATE PLANE COORDINATES (NAD 83 NORTH ZONE)
N:260785.333
E:1723851.734
LAT:39°12'45.96"
LON:80°21'48.40"
UTM COORDINATES (NAD 83-METER)
N:4340581.057
E:554955.205

WELL NO. 4HM BOTTOM HOLE
STATE PLANE COORDINATES (NAD 83 NORTH ZONE)
N:264694.979
E:1722488.530
LAT:39°13'24.47"
LON:80°22'06.20"
UTM COORDINATES (NAD 83-METER)
N:4341765.253
E:554520.076

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. <u>030-2292</u>	DATE <u>APRIL 18</u> , 2013
SCALE: <u>1"=2000'</u>	OPERATOR'S WELL NO. <u>GEPSCO, PALETTA PAD NO. 4HM</u>
MINIMUM DEGREE OF ACCURACY: <u>1 in 2500</u>	API WELL NO. _____
PROVEN SOURCE OF ELEVATION: <u>OPUS, SURVEY GRADE GPS</u>	<u>47</u> - <u>033</u> - <u>05769 H6A</u>
	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: 328.62 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 _____

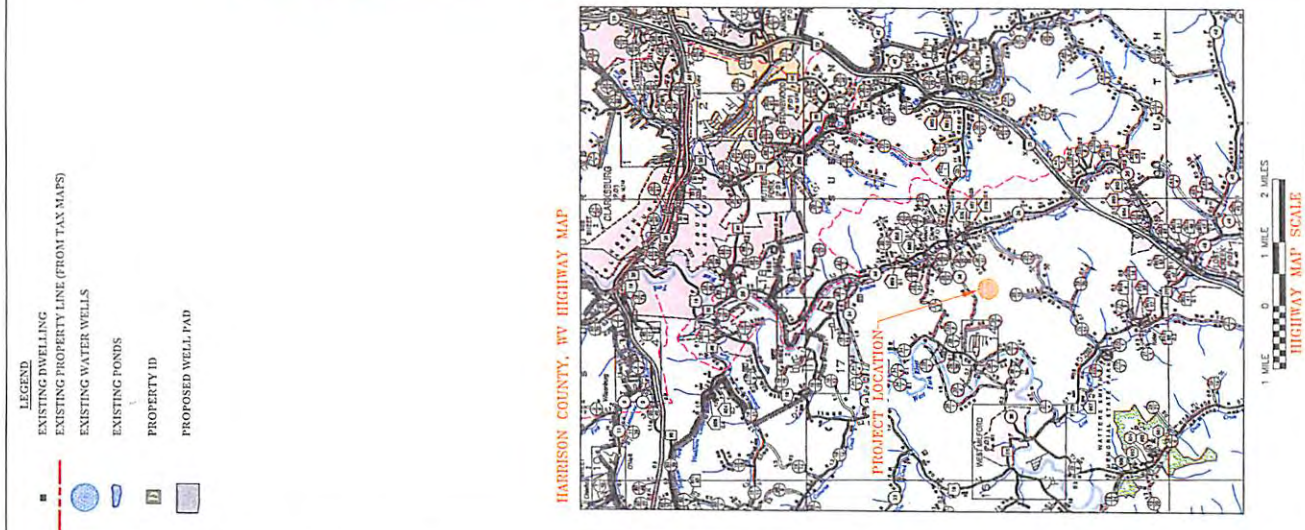
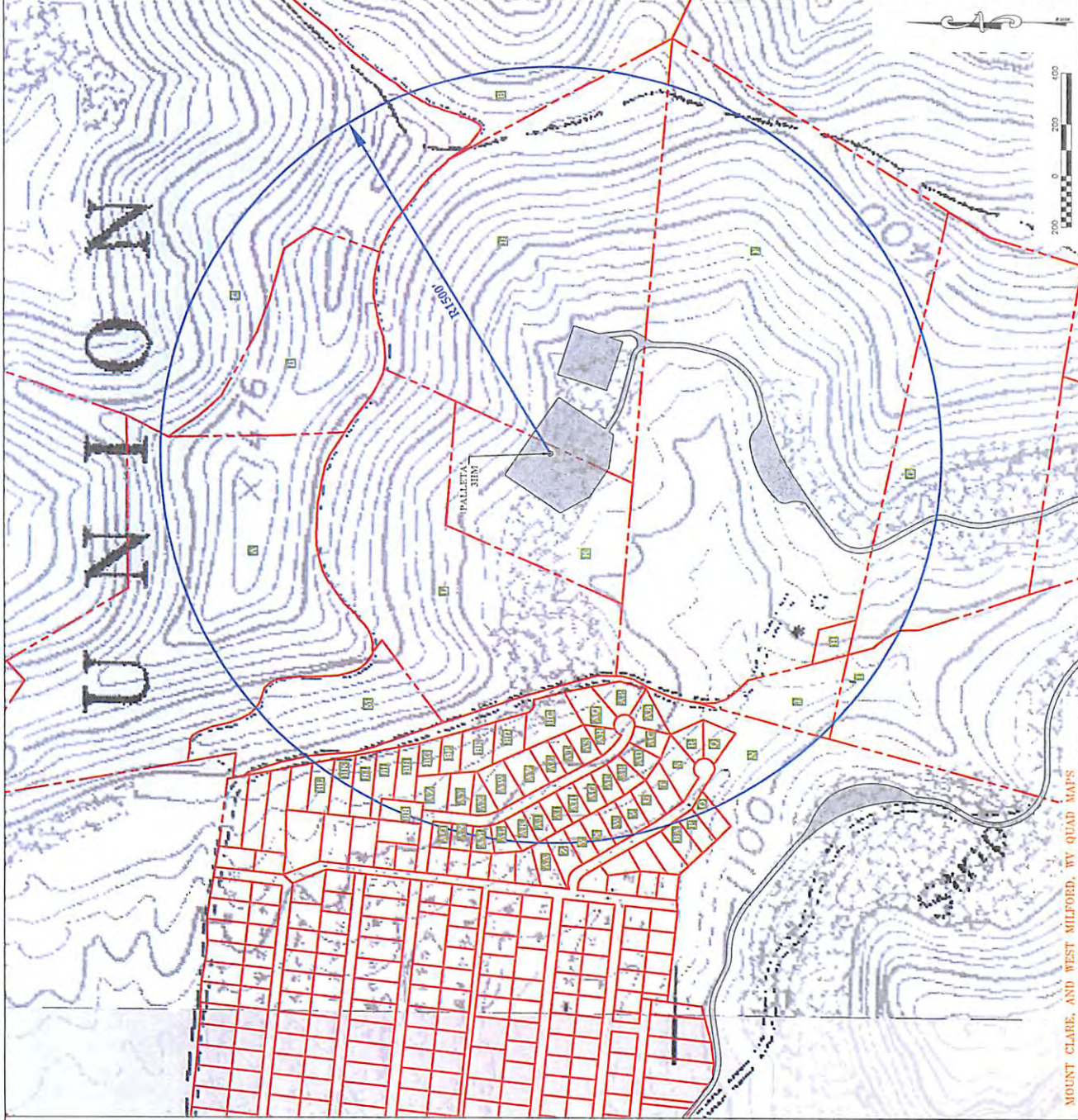
TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,280' TVD / 12,203' MD

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



33-05769