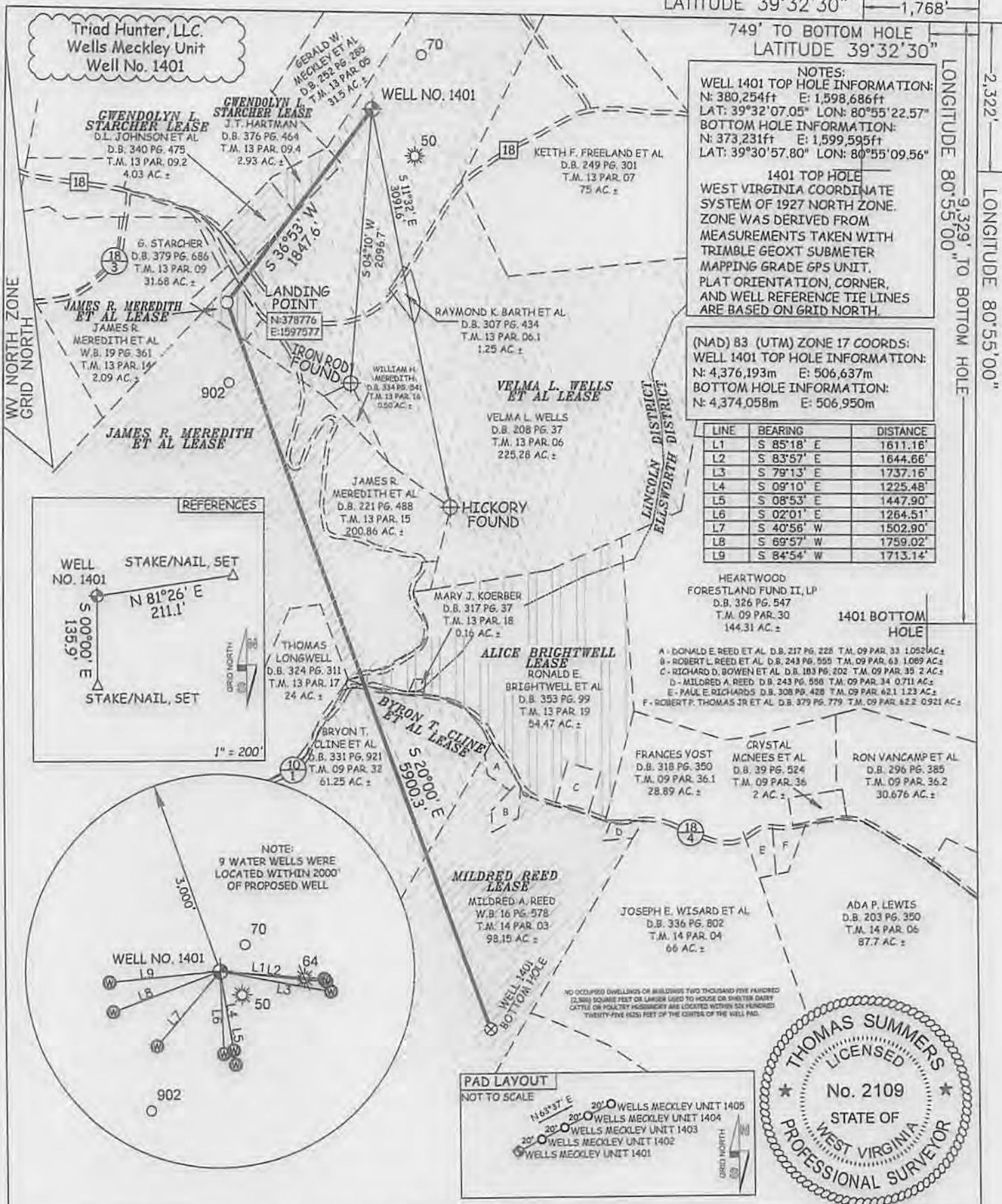


LATITUDE 39°32'30" 1,768'

749' TO BOTTOM HOLE
LATITUDE 39°32'30"

LONGITUDE 80°55'00"
9,329' TO BOTTOM HOLE
LONGITUDE 80°55'00"



NOTES:
WELL 1401 TOP HOLE INFORMATION:
N: 380,254ft E: 1,598,686ft
LAT: 39°32'07.05" LON: 80°55'22.57"
BOTTOM HOLE INFORMATION:
N: 373,231ft E: 1,599,595ft
LAT: 39°30'57.80" LON: 80°55'09.56"

1401 TOP HOLE
WEST VIRGINIA COORDINATE
SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM
MEASUREMENTS TAKEN WITH
TRIMBLE GEOXT SUBMETER
MAPPING GRADE GPS UNIT.
PLAT ORIENTATION, CORNER,
AND WELL REFERENCE TIE LINES
ARE BASED ON GRID NORTH.

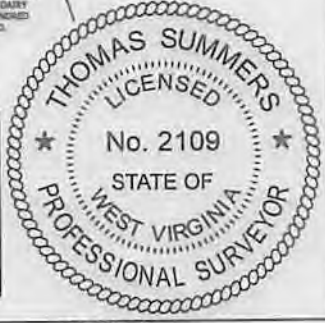
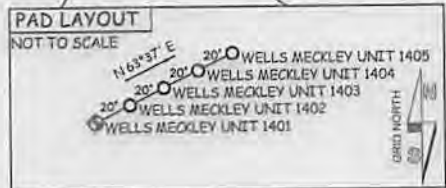
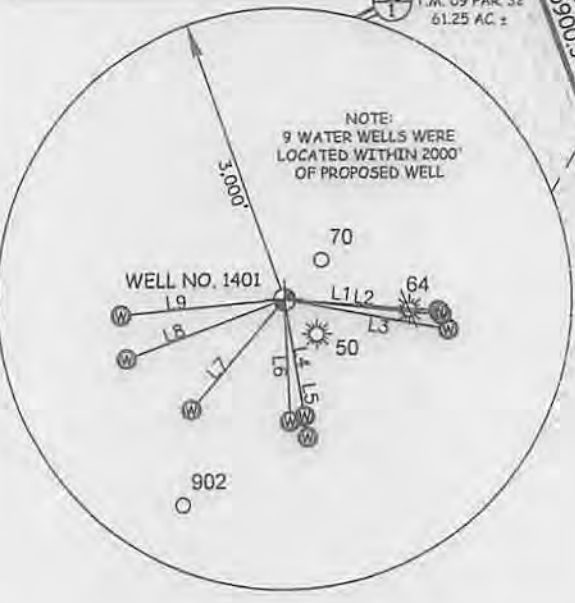
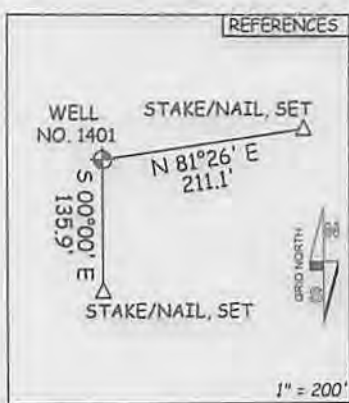
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1401 TOP HOLE INFORMATION:
N: 4,376,193m E: 506,637m
BOTTOM HOLE INFORMATION:
N: 4,374,058m E: 506,950m

LINE	BEARING	DISTANCE
L1	S 85°18' E	1611.16'
L2	S 83°57' E	1644.66'
L3	S 79°13' E	1737.16'
L4	S 09°10' E	1225.48'
L5	S 08°53' E	1447.90'
L6	S 02°01' E	1264.51'
L7	S 40°56' W	1502.90'
L8	S 69°57' W	1759.02'
L9	S 84°54' W	1713.14'

HEARTWOOD
FORESTLAND FUND II, LP
D.B. 326 PG. 547
T.M. 09 PAR. 30
144.31 AC. ±

1401 BOTTOM HOLE

- A - DONALD E. REED ET AL. D.B. 217 PG. 228 T.M. 09 PAR. 33 1.052 AC. ±
- B - ROBERT L. REED ET AL. D.B. 243 PG. 509 T.M. 09 PAR. 63 1.089 AC. ±
- C - RICHARD D. BOWEN ET AL. D.B. 183 PG. 202 T.M. 09 PAR. 35 2 AC. ±
- D - MILDRED A. REED D.B. 243 PG. 509 T.M. 09 PAR. 34 0.711 AC. ±
- E - PAUL E. RICHARDS D.B. 308 PG. 428 T.M. 09 PAR. 62 1.23 AC. ±
- F - ROBERT F. THOMAS JR ET AL. D.B. 379 PG. 779 T.M. 09 PAR. 62 0.921 AC. ±



JOB # 12-104WT
DRAWING # MECKLEY1401
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
X Existing Fence
⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109
DATE 07/23/13
OPERATOR'S WELL# WELLS MECKLEY UNIT #1401
API WELL # 47 - 095 - 02151 H6A
STATE COUNTY PERMIT

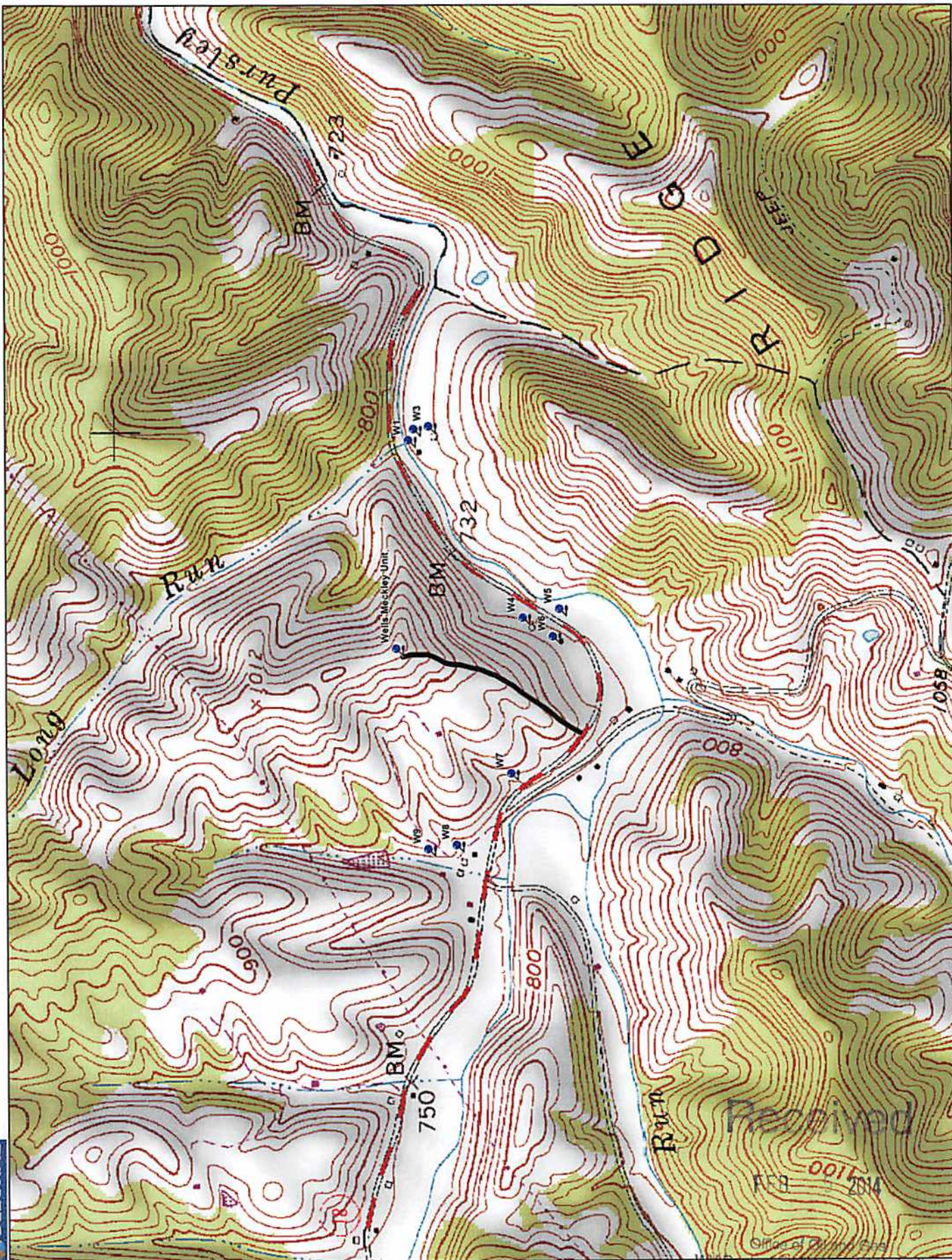
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 958' WATERSHED PURSLEY CREEK
QUADRANGLE PADEN CITY 7.5' DISTRICT LINCOLN COUNTY TYLER
SURFACE OWNER VELMA L. WELLS ACREAGE 225.28 ACRES +/-
OIL & GAS ROYALTY OWNER VELMA L. WELLS ET AL; GWENDOLYN L. STARCHER; LEASE ACREAGE 225.28 ACRES +/-; 2.93 ACRES +/-
GWENDOLYN L. STARCHER; JAMES R. MEREDITH ET AL; JAMES R. MEREDITH ET AL; ALICE BRIGHTWELL; BYRON T. CLINE ET AL; MILDRED REED 4.03 ACRES +/-; 2.09 ACRES +/-; 200.86 ACRES +/-; 54.47 ACRES +/-; 61.25 ACRES +/-; 98.15 ACRES +/-
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) ___ PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,225' TVD 12,831' MD
WELL OPERATOR TRIAD HUNTER, LLC. DESIGNATED AGENT KIMBERLY ARNOLD
ADDRESS 777 POST OAK BLVD., SUITE 910 ADDRESS P.O. BOX 154
HOUSTON, TX 77056 WAVERLY, WV 26184

05/23/2014

4709502151

XMap® 7

DELORME



Scale 1 : 12,800



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Office of Planning & Intergovernmental Affairs
WV Dept. of Environmental Protection