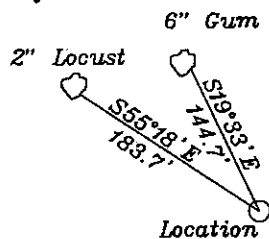


References

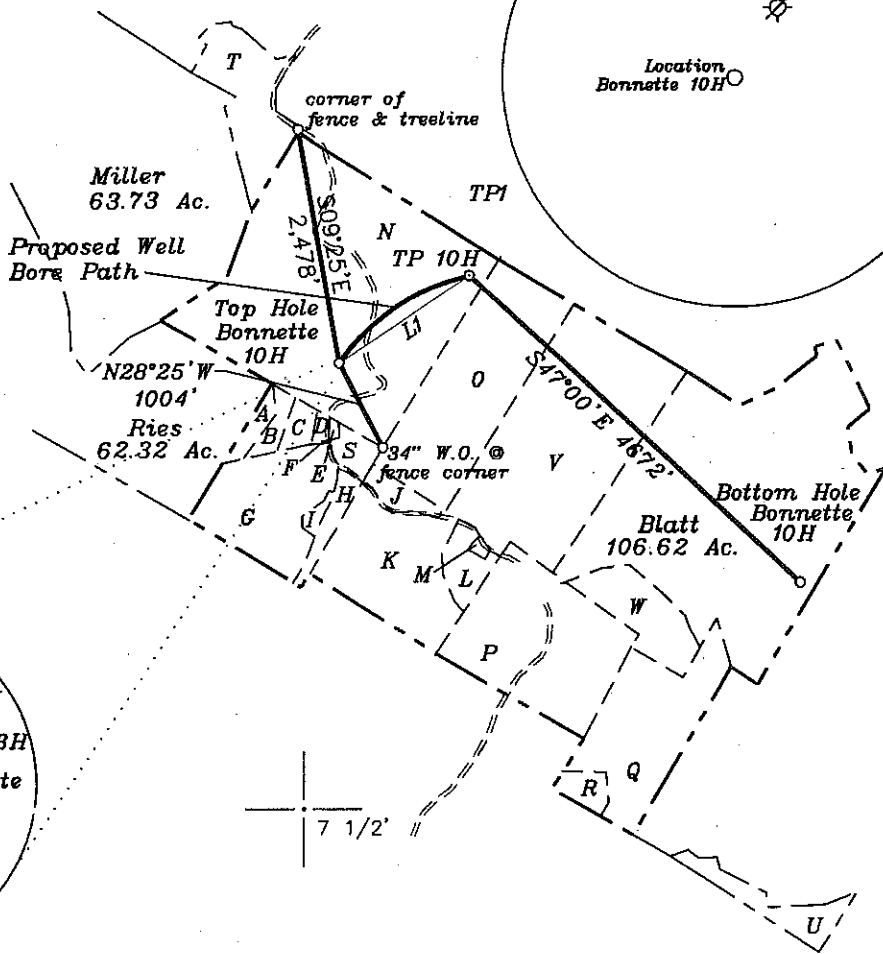


Top Hole	NAD 27-39.721384 N, 80.711963 W
State Plane	NAD 27-447155.7 N, 1659098.1 E
TP 10H	NAD 27-39.723942 N, 80.707117 W
State Plane	NAD 27-448069 N, 1660474 E
Bottom Hole	NAD 27-39.715321 N, 80.694820 W
State Plane	NAD 27-444883 N, 1663890 E

Bottom Hole 8,000'

LATITUDE 39-45-00 N

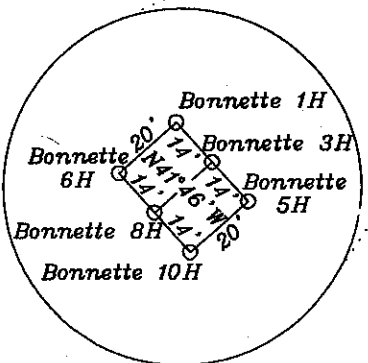
- A = Ries 3 Ac.
- B = Hohman 4.07 Ac.
- C = Hohman 4 Ac.
- D = Ferrell 1 Ac.
- E = Ferrell 1815 Sq. Ft.
- F = p/o E
- G = Ferrell 29.30 Ac.
- H = Miller 5.02 Ac.
- I = Ferrell 1.29 Ac.
- J = Zombotti 4.34 Ac.
- K = Yoho 38.59 Ac.
- L = Blatt 7.42 Ac.
- M = Herrick 0.65 Ac.
- N = Bonnette 126.53 Ac.
- O = Fox 56 Ac.
- P = Dulaney 52 Ac.
- Q = Klug 48 Ac.
- R = Estep 3.45 Ac.
- S = Zombotti 4.15 Ac.
- T = Miller 10.62 Ac.
- U = Scheibelhood 9.8 Ac.
- V = Fox 74.7 Ac.
- W = Blatt 22.1 Ac.



Top Hole LONGITUDE 80-42-30 W
 Bottom Hole LONGITUDE 80-40-00 W
 Bottom Hole 12,550'
 Top Hole 10,341'

NORTH

7 1/2'



NUMBER	DIRECTION	DISTANCE
L1	N56°25'E	1,651'

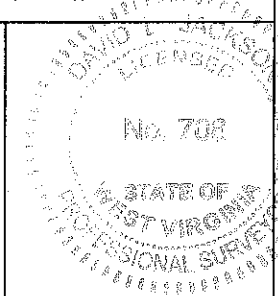
Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 27.

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION GPS
submeter unit

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 DEPARTMENT OF ENERGY.

(SIGNED) David Jackson
 R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE January 25, 2010
 OPERATOR'S WELL NO. Bonnette 1
 API WELL NO. 831316

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,457' WATER SHED Whetstone Creek
 DISTRICT Meade COUNTY Marshall
 QUADRANGLE Wileyville 7 1/2'
 SURFACE OWNER Robert and Linda Bonnette ACREAGE 126.53 ac.
 OIL & GAS ROYALTY OWNER Robert and Linda Bonnette, Robert and Barbara Bias, & Larry and Glenda Kress LEASE ACREAGE 363.85 ac.

47 - 051 - 01310-H
 STATE COUNTY PERMIT
CANCELLED Revised

LEASE NO. 26587, 27441, 27442
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Marcellus ESTIMATED DEPTH 7057' + Horizontal Leg
 WELL OPERATOR Chesapeake Appalachia, L.L.C. DESIGNATED AGENT James E. Grey
 ADDRESS P.O. Box 18496 Oklahoma City, OK 73154-0496 ADDRESS P.O. Box 6070 Charleston, WV 25362