

References

Note: This cabin is the only dwelling within 625' of the center of the pad.

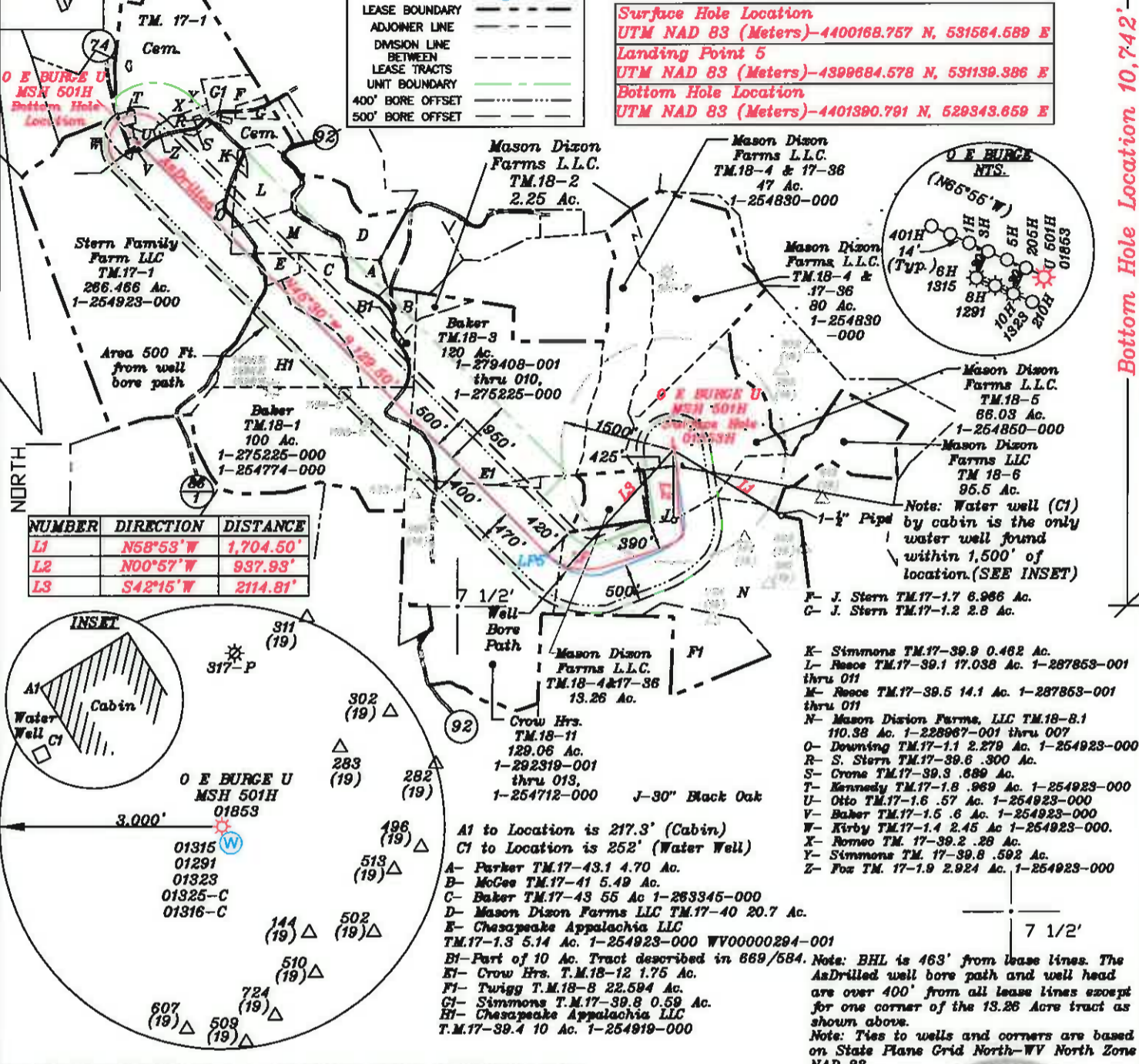
Note: All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats & aerial photos.

LEGEND

- ASDRILLED LEG (RED TEXT)
- PERMIT LEG (BLUE TEXT)
- WATERWELL (W)
- LEASE BOUNDARY
- ADJOINER LINE
- DIVISION LINE BETWEEN LEASE TRACTS
- UNIT BOUNDARY
- 400' BORE OFFSET
- 500' BORE OFFSET

Surface Hole Location
 UTM NAD 83 (Meters)-4400168.9 N, 531564.4 E
Landing Point 5
 UTM NAD 83 (Meters)-4399734.0 N, 531055.4 E
Bottom Hole Location
 UTM NAD 83 (Meters)-4401389.2 N, 529343.9 E

Surface Hole Location
 UTM NAD 83 (Meters)-4400168.757 N, 531564.589 E
Landing Point 5
 UTM NAD 83 (Meters)-4399684.578 N, 531139.386 E
Bottom Hole Location
 UTM NAD 83 (Meters)-4401390.791 N, 529343.659 E



NUMBER	DIRECTION	DISTANCE
L1	N58°53'W	1,704.50'
L2	N00°57'W	937.93'
L3	S42°15'W	2114.81'

Note: Water well (C1) by cabin is the only water well found within 1,500' of location. (SEE INSET)

(+) 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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) _____
 R.P.E. _____ P.S. 708



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

DATE January 04, 2014
 OPERATOR'S WELL NO. O E BURGE U MSH 501H
 API WELL NO. AsDrilled
47 - 051 - 01853
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP X SHALLOW

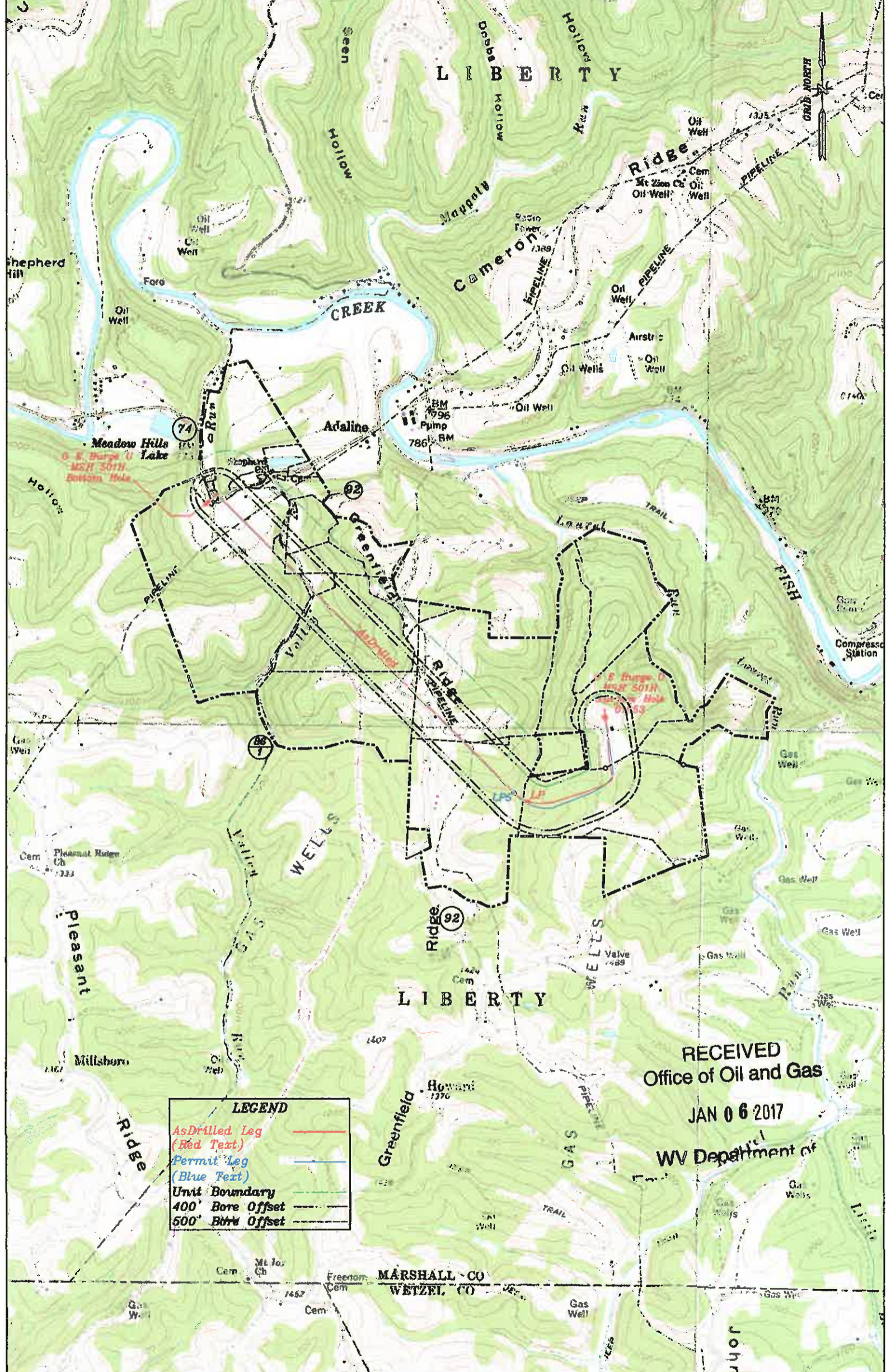
LOCATION: ELEVATION 1,342' WATER SHED Laurel Run
 DISTRICT Liberty COUNTY Marshall
 QUADRANGLE Glen Easton 7 1/2'

SURFACE OWNER Mason Dixon Farms L.L.C. ACREAGE 66.03 ac.
 OIL & GAS ROYALTY OWNER O. E. Burge et al LEASE ACREAGE 869.055 ac
 LEASE NO. See Above

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AsDrilled

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Utica ESTIMATED DEPTH TMD= 21,660'; TVD= 12,209'
 WELL OPERATOR SWN Production Co. LLC DESIGNATED AGENT Dee Southall
 ADDRESS P.O. Box 1300 Jane Lew, WV 26378 ADDRESS P.O. Box 1300 Jane Lew, WV 26378

Bottom Hole Location 10,742'
 Surface Hole Location 14,873'
 LONGITUDE 80-37-30 W



LEGEND

- As Drilled Leg (Red Text) —
- Permit Leg (Blue Text) —
- Unit Boundary —
- 400' Bore Offset - - -
- 500' Bore Offset - - - -

RECEIVED
Office of Oil and Gas
JAN 06 2017
WV Department of

Well: O. E. Burge MSH U 501H
Quad: Glen Easton 7 1/2'
District: Liberty
County: Marshall

