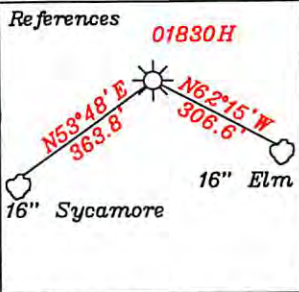


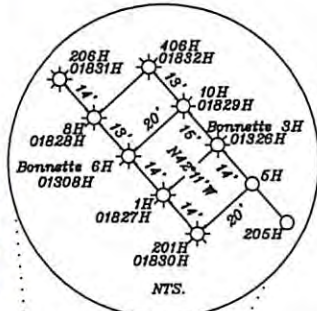
Surface Hole 1,162'

Bottom Hole 6,566'

LATITUDE 39-45-00 N

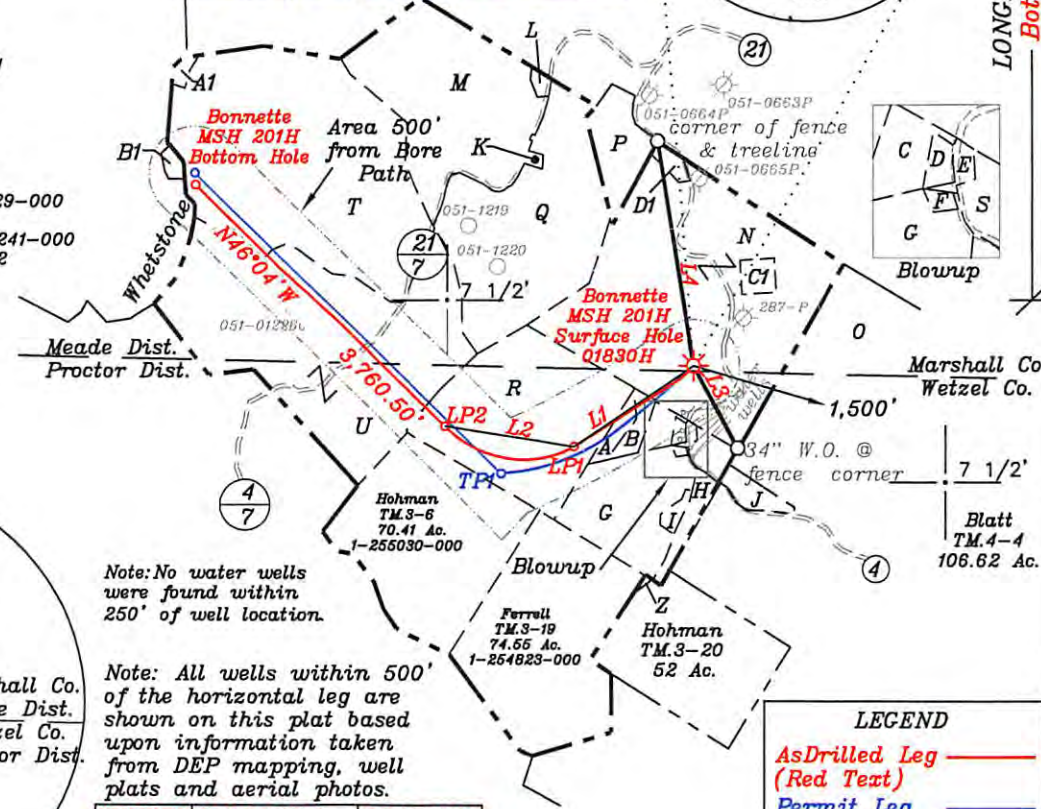


Surface Hole	UTM NAD 83(meters)-4396882.897 N. 524702.529 E
LP1	UTM NAD 83(meters)-4396611.294 N. 524312.018 E
LP2	UTM NAD 83(meters)-4396670.280 N. 523884.410 E
Bottom Hole	UTM NAD 83(meters)-4397451.264 N. 523046.980 E



- A- Ries 3 Ac. TM.3-8 1-292576-001, 1-254767-000
- B- Hohman 4.07 Ac. TM.3-8.3 1-292576-001, 1-254767-000
- C- Hohman 4.12 Ac. TM.3-8.2 & 8.1 1-292576-001, 1-254767-000
- D = B. Ferrell 1 Ac. T.M. 3/9
- E = B. Ferrell 0.54 Ac. T.M. 3/10.1
- F = B. Ferrell 0.33 Ac. T.M. 3/10.5
- G = J. Ferrell 28.97 Ac. T.M. 3/10.3 1-254839-000
- H- Miller 5.02 Ac. TM.3-10.2
- I- Ferrell 1.29 Ac. TM.3-10.4
- J- Zombotti 4.34 Ac. TM.3-11.2
- K- Wright 0.617 Ac. TM.22-3.3
- L- Mysliwicz Trust 1.1 Ac. TM.22-3.1
- M- M. Miller 75 Ac. TM.22-3.2
- N- Bonnette 126.53 Ac. TM.22-8 1-254855-000
- O- Fox 56 Ac. TM.4-1
- P- Frohnapfel 16.62 Ac. TM.22-5&6
- Q- H. Miller 63.73 Ac. T.M. 22-3
- R- Ries 62.32 Ac. T.M. 3-7 1-255029-000
- S- Zombotti 4.15 Ac. TM.3-10
- T- L. Fox 124.57 Ac. TM.22-1 1-273241-000
- U- M. Miller et al 124.8 Ac. TM.22-2 1-263133-000
- Z- Ferrell 1 Ac. TM.3-20.1
- A1- CNC Transmission Co. TM.22-1.1 1.43 Ac.
- B1- Consol Energy Holdings LLC 1 TM.25-3.2 1.43 Ac.
- C1- The Co. Comm. of Marshall Co. 3.143 Ac. TM.22-B.1
- D1- Klug TM.22-7 1 Ac.

Top Hole	UTM NAD 83(meters)-4396882.8 N. 524702.6 E
TP1	UTM NAD 83(meters)-4396520.4 N. 524071.7 E
Bottom Hole	UTM NAD 83(meters)-4397489.9 N. 523043.0 E



Note: No water wells were found within 250' of well location.

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

NUMBER	DIRECTION	DISTANCE
L1	S56°08'W	1,561.13'
L2	N81°11'W	1,416.67'
L3	S28°25'E	1,004.52'
L4	N09°24'W	2,477.65'

LEGEND	
As Drilled Leg	(Red Text)
Permit Leg	(Blue Text)

Note: A dwelling is located S18°21'W 534' from the center of the pad.

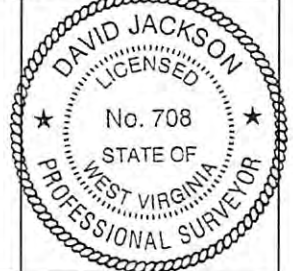
Note: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.

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



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

DATE March 1, 2016
 OPERATOR'S WELL NO. Bonnette MSH 201H
 API WELL NO. 47 051 01830H
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,427.7' WATER SHED Whetstone Creek
 DISTRICT Meade COUNTY Marshall
 QUADRANGLE Wileyville 7 1/2'

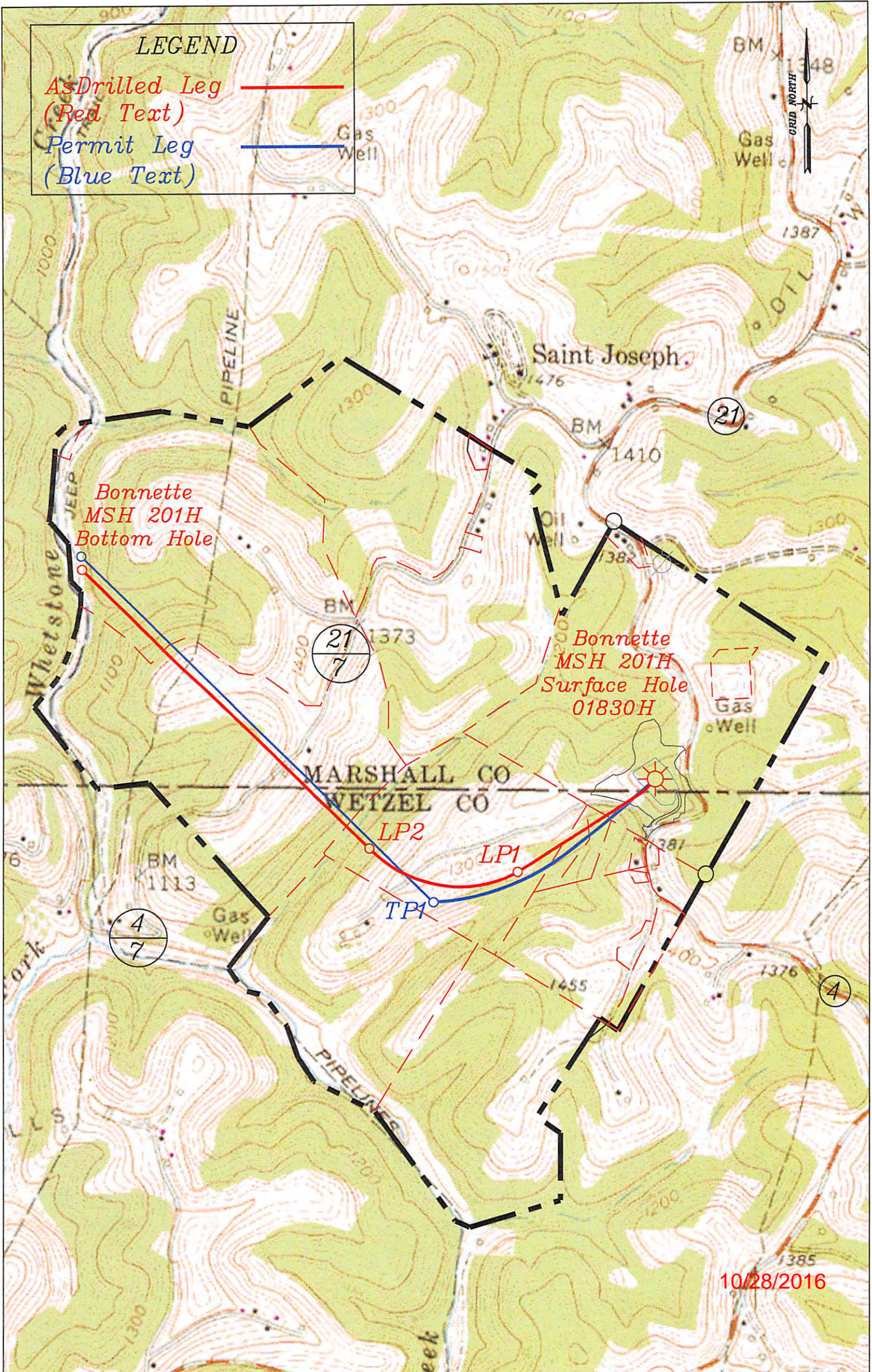
SURFACE OWNER Robert and Linda Bonnette ACREAGE 126.53 ac.
 OIL & GAS ROYALTY OWNER Robert and Linda Bonnette, Robert and Barbara Bias, & Larry and Glenda Kress LEASE ACREAGE 623.67 ac.

LEASE NO. _____

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) As Drilled

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Marcellus ESTIMATED DEPTH TVD=7,073':TMD=12,874'
 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

10/28/2016



Well: Bonnette MSH 201H
 Quad: Wileyville 7 1/2'
 District: Meade
 County: Marshall

