

Bottom Hole 11,356'
LATITUDE 39-45-00 N

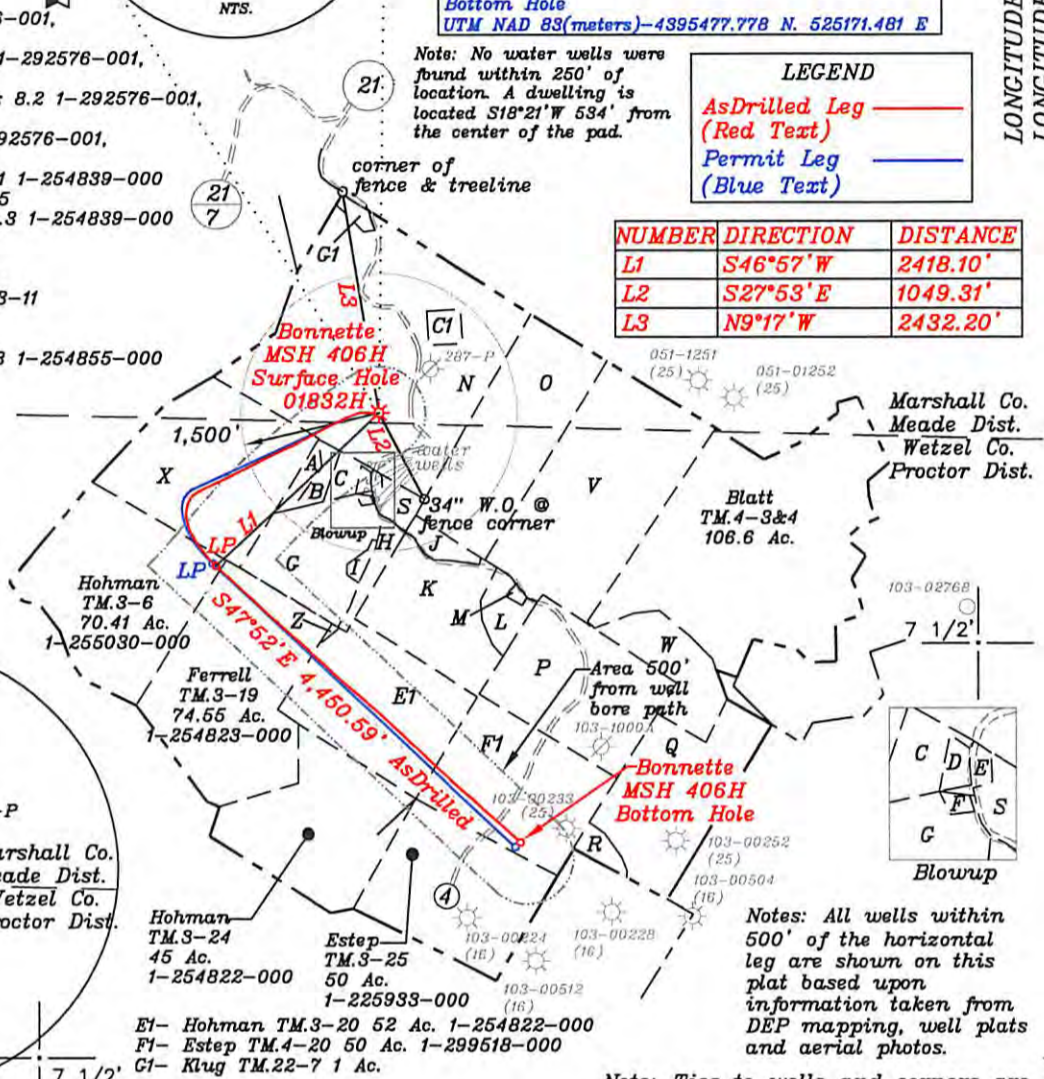
Surface Hole	UTM NAD 83(meters)-4396896.225 N. 524698.413 E
LP	UTM NAD 83(meters)-4396384.396 N. 524168.418 E
Bottom Hole	UTM NAD 83(meters)-4395491.525 N. 525189.083 E
Surface Hole	UTM NAD 83(meters)-4396896.213 N. 524698.409 E
LP	UTM NAD 83(meters)-4396392.847 N. 524156.711 E
Bottom Hole	UTM NAD 83(meters)-4395477.778 N. 525171.481 E

Notes: No water wells were found within 250' of location. A dwelling is located S18°21'W 534' from the center of the pad.

LEGEND	
AsDrilled Leg	(Red Text)
Permit Leg	(Blue Text)

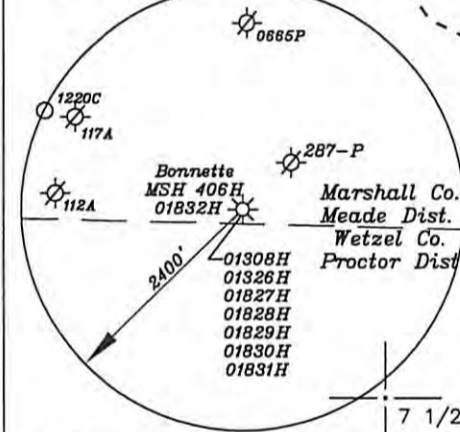
NUMBER	DIRECTION	DISTANCE
L1	S46°57'W	2418.10'
L2	S27°53'E	1049.31'
L3	N9°17'W	2432.20'

- 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.3-8.1 & 8.2 1-292576-001, 1-254767-000
- D- B. Ferrell 1 Ac. TM.3-9 1-292576-001, 1-254916-000
- E- B. Ferrell 0.54 Ac. TM.3-10.1 1-254839-000
- F- B. Ferrell 0.33 Ac. TM.3-10.5
- G- J. Ferrell 28.97 Ac. TM.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- R. Yoho et al 38.59 Ac. TM.3-11
- L- Blatt 7.42 Ac. TM.3-11.3
- M- Herrick 0.65 Ac. TM.3-11.1
- N- Bonnette 126.53 Ac. TM.22-8 1-254855-000
- O- Fox 56 Ac. TM.4-1
- P- Dulaney 52 Ac. TM.4-12
- Q- Klug 48 Ac. TM.4-22
- R- Estep 3.45 Ac. TM.4-21
- S- Zombotti 4.15 Ac. TM.3-10 1-254839-000
- V- Fox 74.7 Ac. TM.4-2
- W- Blatt TM.4-13 22.14 Ac.
- X- Ries TM.3-7 62.32 Ac. 1-255029-000
- Z- Ferrell TM.3-20.1 1 Ac.
- CI- The Co. Comm. of Marshall Co. 3.143 Ac. TM.22-8.1



LONGITUDE 80-42-30 W (TH)
LONGITUDE 80-40-00 W (BH)

Bottom Hole 14,846'
Top Hole 10,364'



- Hohman TM.3-24 45 Ac. 1-254822-000
- Estep TM.3-25 50 Ac. 1-225933-000
- E1- Hohman TM.3-20 52 Ac. 1-254822-000
- F1- Estep TM.4-20 50 Ac. 1-299618-000
- G1- Klug TM.22-7 1 Ac.

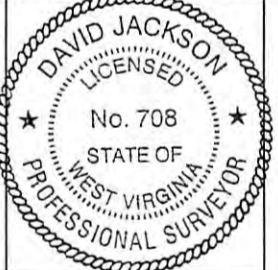
Notes: All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats and aerial photos.

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 406H
API WELL NO. AsDrilled

WELL TYPE: OIL GAS LIQUID INJECTION X WASTE DISPOSAL _____ STATE 47 COUNTY 051 PERMIT 01832H
(IF "GAS") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: ELEVATION 1,427.4' 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 576.49 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) AsDrilled

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD=7,066'; TMD=12,607'
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

10/21/2016