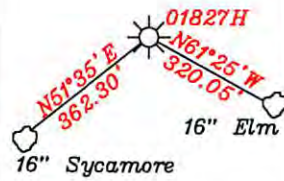


Top Hole 1,171'

Bottom Hole 6,574'

LATITUDE 39-45-00 N

References

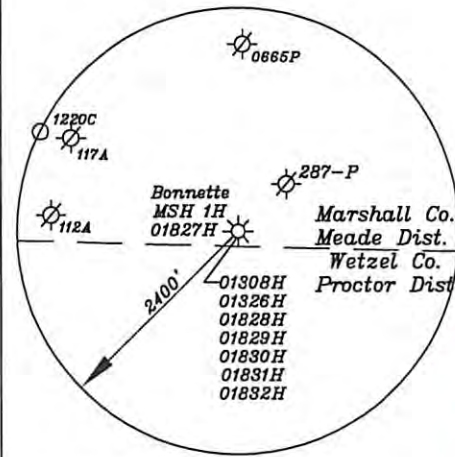
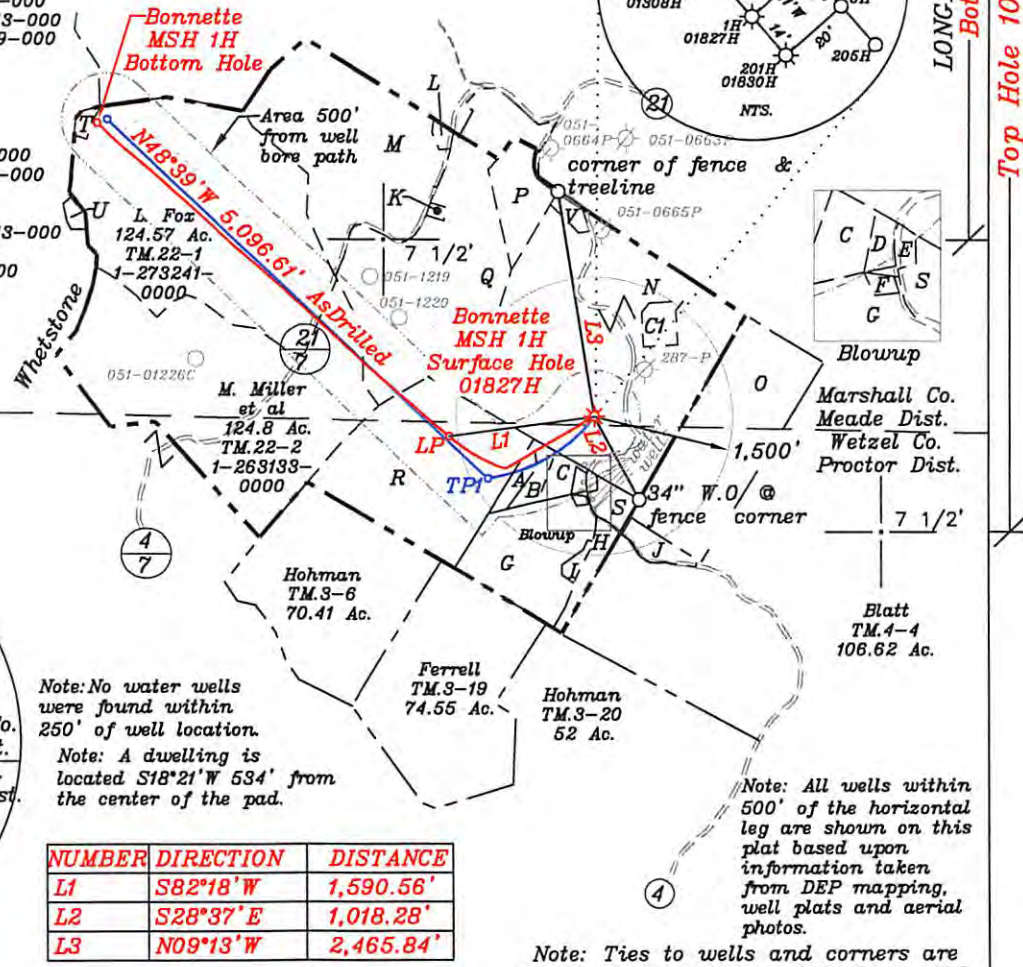


Surface Hole	UTM NAD 83(meters)-4396886.008 N. 524699.514 E
LP	UTM NAD 83(meters)-4396813.006 N. 524220.405 E
Bottom Hole	UTM NAD 83(meters)-4397819.261 N. 523037.595 E
Top Hole	UTM NAD 83(meters)-4396885.9 N. 524699.7 E
TP1	UTM NAD 83(meters)-4396678.1 N. 524350.7 E
Bottom Hole	UTM NAD 83(meters)-4397832.1 N. 523070.8 E

LEGEND

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

- 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. 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 1-254843-000
- 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- Wright 0.617 Ac. TM.22-3.3
- L- Mysliwiec Trust 1.1 Ac. TM.22-3.1
- M- M. Miller 75 Ac. TM.22-3.2 1-254843-000
- N- Bonnette 126.53 Ac. TM.22-8 1-254855-000
- O- Fox 56 Ac. TM.4-1
- P- Frohnappfel 16.62 Ac. TM.22-5 & 6
- Q- H. Miller 63.73 Ac. T.M. 22-3 1-254843-000
- R- Ries 62.32 Ac. T.M. 3-7 1-255029-000
- S- Zombotti 4.15 Ac. TM.3-10 1-254839-000
- T- CNG Transmission Co. TM.22-1.1 1.43 Ac. 1-273241-000
- U- Consol Energy Holdings LLC I TM.25-3.2 1.43 Ac.
- V- Klug 1 Ac. TM.22-7
- C1- The Co. Comm. of Marshall Co. 3.143 Ac. TM.22-8.1



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

NUMBER	DIRECTION	DISTANCE
L1	S82°18'W	1,590.56'
L2	S28°37'E	1,018.28'
L3	N09°13'W	2,465.84'

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.

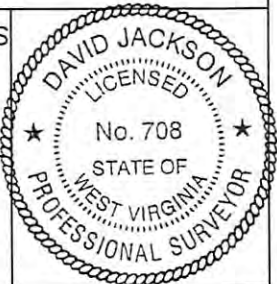
Note: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.

(+) 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 1H
 API WELL NO. 47 051 01827H

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

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 513.14 ac.
 LEASE NO. _____

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

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Marcellus ESTIMATED DEPTH TVD=7,077'; TMD 12,734'
 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

12/02/2016