

Bottom Hole 11,160'
 LATITUDE 39-45-00 N

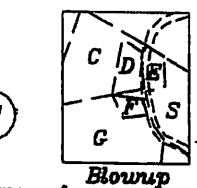
Surface Hole	UTM NAD 83(meters)-4396896.213 N. 524698.409 E
LP	UTM NAD 83(meters)-4396392.847 N. 524166.711 E
Bottom Hole	UTM NAD 83(meters)-4395477.778 N. 525171.481 E

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

Top Hole 10,364'

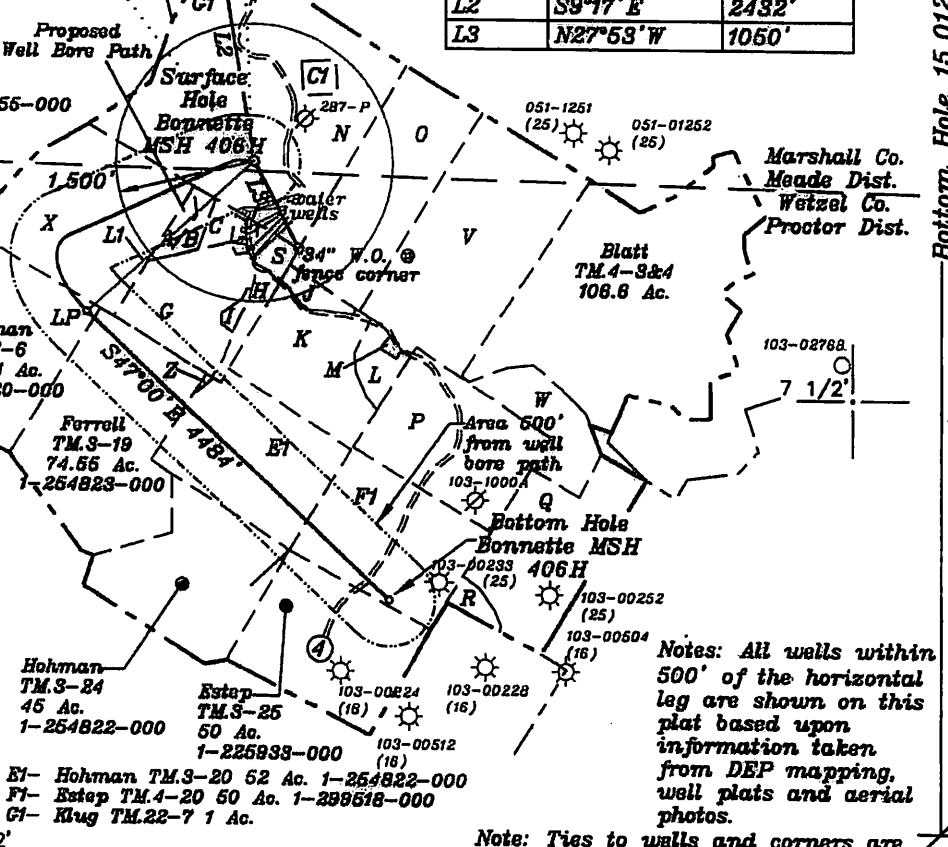
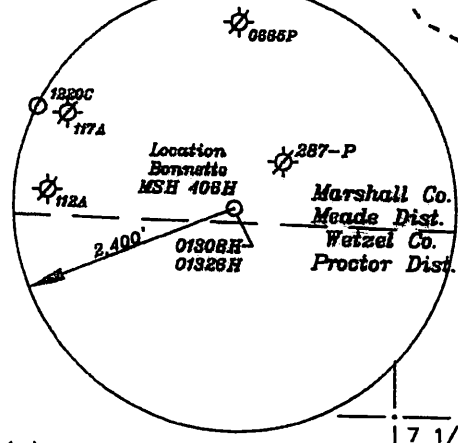
Bottom Hole 15,012'

- A- Bias 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- Harrick 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- Duaneay 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- Bias TM.3-7 62.32 Ac. 1-255028-000
- Z- Ferrell TM.3-20.1 1 Ac.
- C1- The Co. Comm.' of Marshall Co. 3.143 Ac. TM.22-8.1



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

NUMBER	DIRECTION	DISTANCE
L1	S48°03'W	2427'
L2	S9°47'E	2432'
L3	N27°53'W	1050'



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

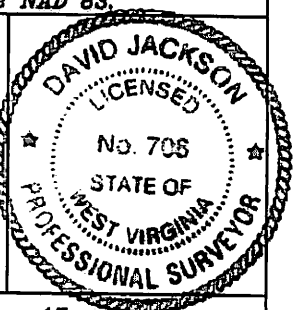
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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

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 Jackson
 R.P.E. _____ L.L.S. 708



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

DATE August 27, 2015
 OPERATOR'S WELL NO. Bonnette MSH 406H
 API WELL NO. _____

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

LOCATION: ELEVATION 1,427.6' 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) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION Marcellus ESTIMATED DEPTH TVD=7,114'; TMD=12,717'

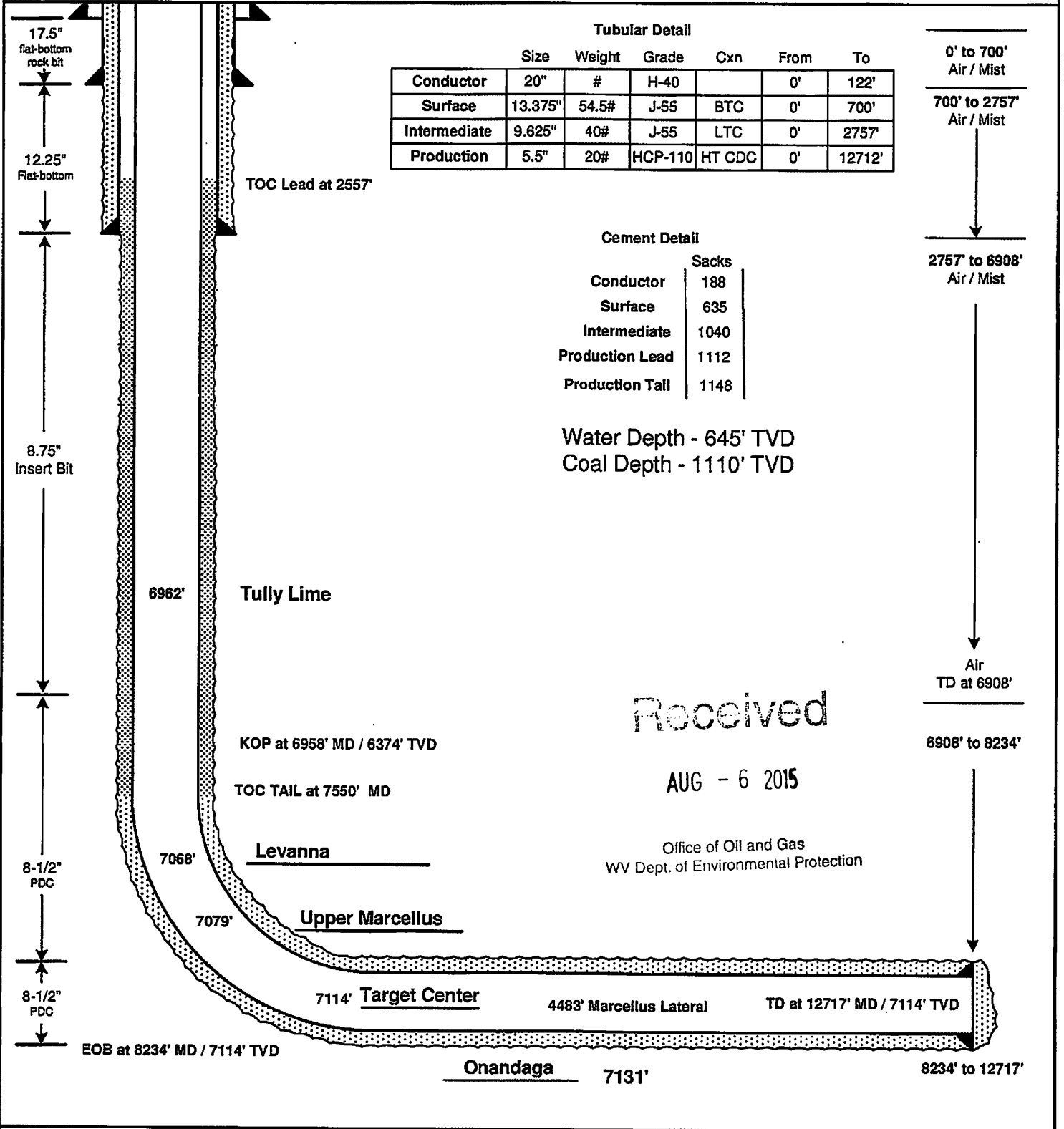
WELL OPERATOR SWN Production Co. LLC DESIGNATED AGENT Dee Southall
 ADDRESS P.O. Box 1300 Jane Lew, WV 26378 ADDRESS P.O. Box 1300 Jane Lew, WV 26378

09/04/2015

47 - 051 - 01832 HoA Rev.

Southwestern Energy Company Proposed Drilling Program

Well : BONNETTE MSH 406 Re-entry Rig : SDC 42
 Field : VICTORY FIELD Prospect : VICTORY
 County : MARSHALL State : WV
 SHL : 39.721585 Latitude -80.711823 Longitude
 BHL : 39.70879036 Latitude -80.70635736 Longitude
 KB Elev : 1454 ft MSL KB : 26 ft AGL GL Elev : 1428 ft MSL



Data source: K:\EandPWVD\Team Data\Drilling\Wells\Bonnette Pad\BONNETTE 406H\Drilling Program\Master SWN Well Input Sheet v E-0-1.xlsm

NOTE: This drawing was created for the Reentry Rig. The depths and lengths shown in the plot are referenced to Reentry Rig RKB. 09/04/2015