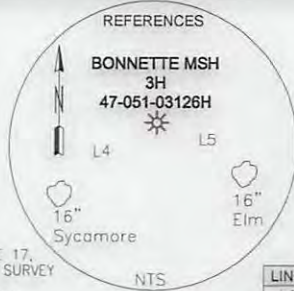


**JACKSON SURVEYING INC.**  
 P.O. Box 1460  
 677 W. Main St.  
 Clarksburg, WV 26302  
 304-623-5851



**NOTES ON SURVEY**

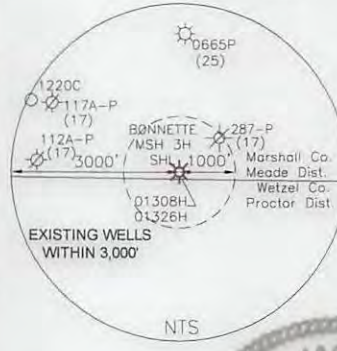
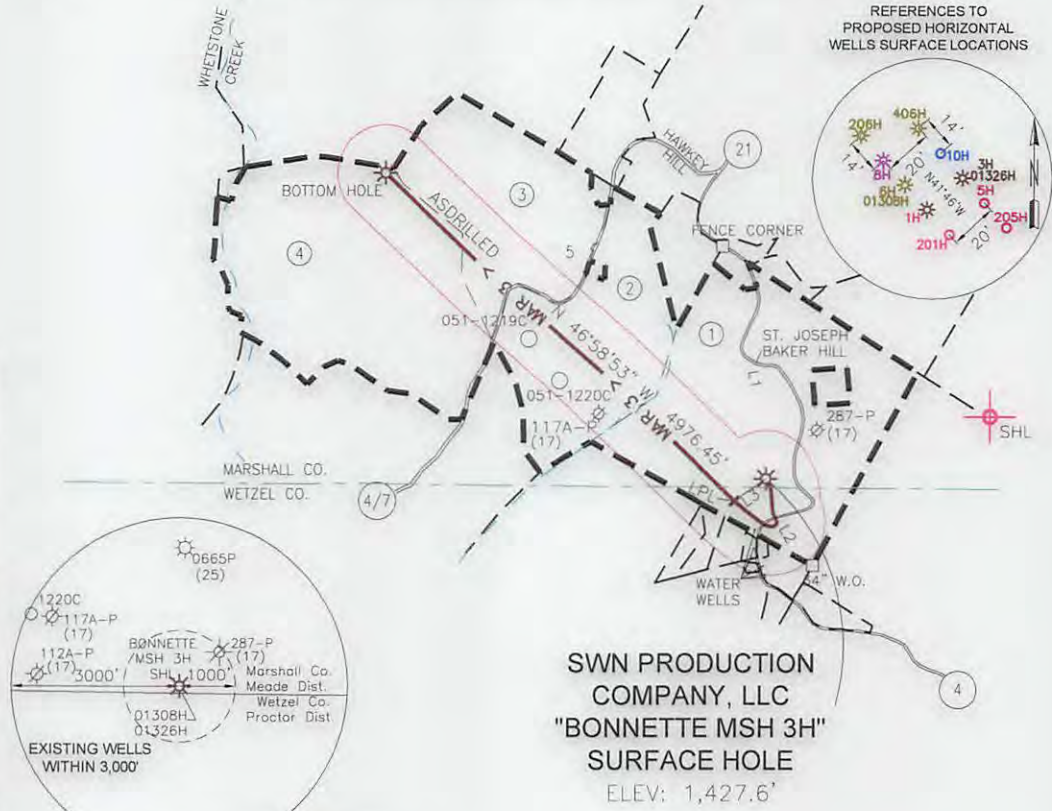
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- A DWELLINGS IS LOCATED S17°24'W 535' FROM THE CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- ALL WELLS 500' OF THE HORIZONTAL LEG ARE SHOWN ON THIS PLAT BASED UPON INFORMATION TAKEN FROM DEP MAPPING, WELL PLATS AND AERIAL PHOTOS.

LINE	BEARING	DISTANCE	DESCRIPTION
L1	N 10°36'21" W	2460.14'	SHL TO CNR FP
L2	S 28°29'32" E	1021.26'	SHL TO 34" W.O.
L3	S 54°54'11" W	400.78'	SHL TO LPL
L4	S 50°38'46" W	381.69'	SHL TO 16" SYC.
L5	S 59°05'16" E	312.66'	SHL TO 16" ELM

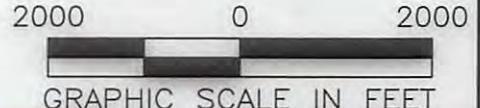
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	ROBERT WILLIAM BONNETTE ET UX (S)/ ANDREW STEIN (R)	9-22-08	126.53
2	HILARY G. & MARK H. MILLER (S)/ N.G. & MARY E. MILLER (R)	9-22-03	63.73
3	JULIAN N. MILLER ET AL (S)/ N.G. & MARY E. MILLER (R)	9-22-03.2	75.00
4	MARK D. COSILEY TRUSTEE (S)/CHARLES L. & AGNES G. KERNAN (R)	9-22-01	124.57



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 39.721526° LONGITUDE: -80.711755°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,425,462.412 EASTING: 1,721,466.854
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,889.737 EASTING: 524,704.147
<b>"LANDING POINT" LOCATION (LPL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 39.720896° LONGITUDE: -80.712924°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,425,231.978 EASTING: 1,721,138.940
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,819.501 EASTING: 524,604.198
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 39.730251° LONGITUDE: -80.725827°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,428,627.089 EASTING: 1,717,500.503
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,854.332 EASTING: 523,495.200



**SWN PRODUCTION COMPANY, LLC**  
**"BONNETTE MSH 3H"**  
 SURFACE HOLE  
 ELEV: 1,427.6'



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708 *David Jackson*

COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	<b>BONNETTE MSH</b> OPERATOR'S WELL #: 3H API WELL #: 47 051 01326H
	STATE COUNTY PERMIT	STATE COUNTY PERMIT

WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW

WATERSHED: WHETSTONE CREEK OF UPPER OHIO RIVER 2 ELEVATION: 1,427.6'

DISTRICT: MEADE COUNTY: MARSHALL QUADRANGLE: WILEYVILLE 7 1/2'

SURFACE OWNER: ROBERT WILLIAM BONNETTE ET UX ACREAGE: 126.53 AC.

OIL & GAS ROYALTY OWNER: ANDREW STEIN ACREAGE: 126.53 AC.

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

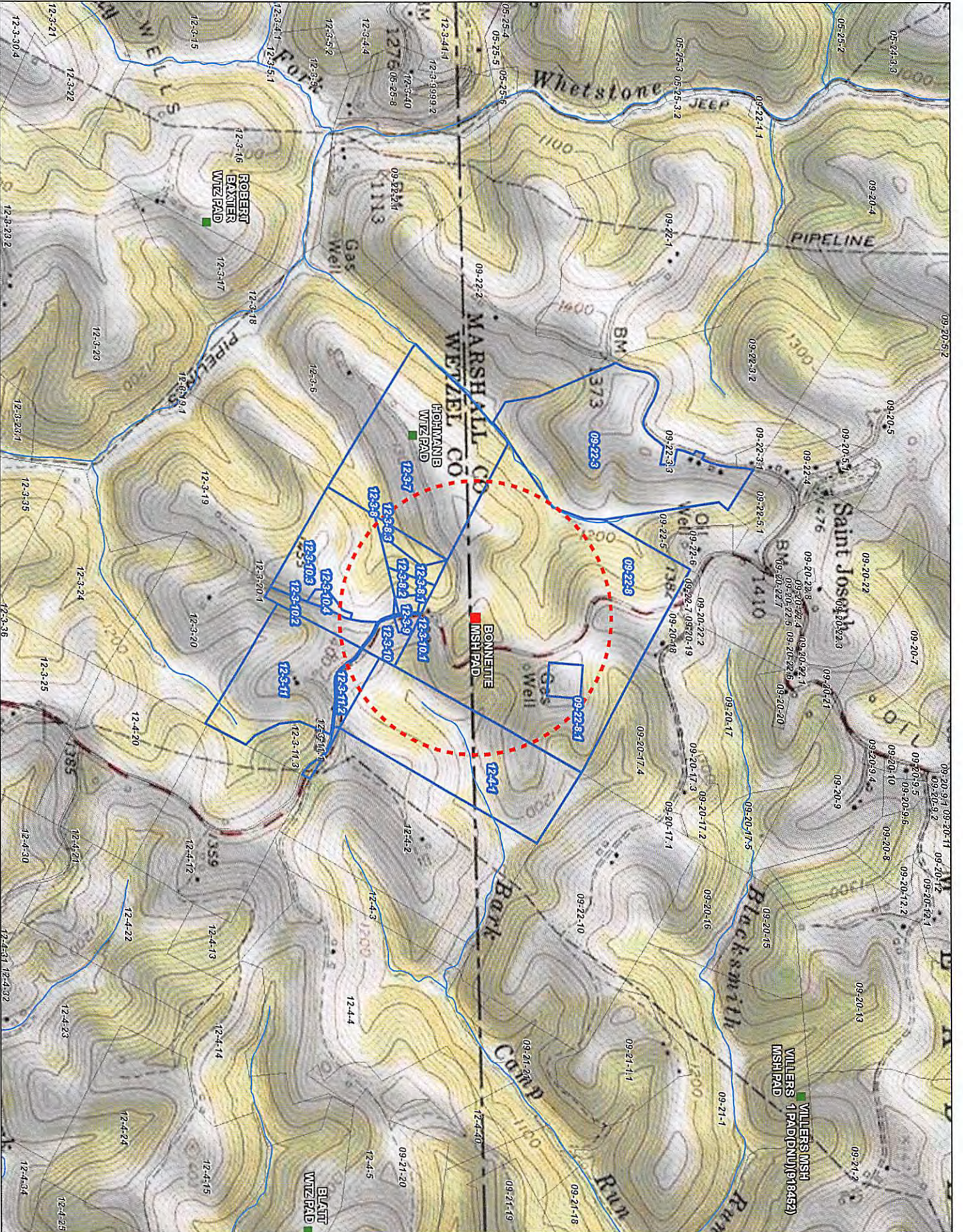
CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) ASDRILLED / Frac 10/23/2015

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,095' TVD 12,450' TMD

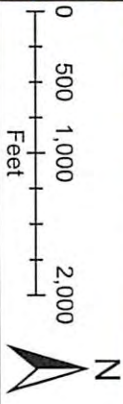
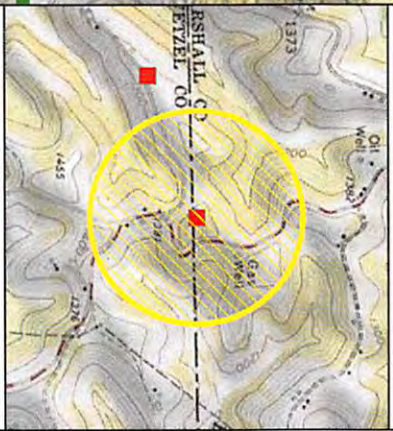
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378

DESIGNATED AGENT: DEE SOUTHALL ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378

<b>LEGEND:</b>	<b>REVISIONS:</b>	<b>DATE:</b> 06-18-2015
<ul style="list-style-type: none"> <li>○ PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>⊙ EXISTING / PRODUCING WELLHEAD</li> <li>⊘ ABANDONED WELL</li> <li>⊗ PLUGGED &amp; ABANDONED WELL</li> <li>△ CUT CONDUCTOR</li> <li>--- LEASE BOUNDARY</li> <li>--- 500' DHP BUFFER</li> <li>--- MAR 3 --- MARCELLUS DHP</li> <li>--- ABANDONED PATH</li> </ul>		
		<b>DRAWN BY:</b> N. MANO
		<b>SCALE:</b> 1" = 2000'
		<b>DRAWING NO:</b>
		<b>WELL LOCATION PLAT</b>



- CHK Site of Interest
- ~ Streams
- ▭ Parcels With Water Sources (1500' of Source)
- ▭ Other Parcels
- ▭ 1,500' Buffer Around Wells



**WV Water Purveyor Map**  
**BONNETTE MSH PAD - (907984)**  
**MARSHALL COUNTY, WV**  
 Lat: 39.72144 / Long: -80.71203  
 Date: 9/12/2014  
 Projection: WGS 1984 UTM Zone 17N  
 Scale: 1 inch = 1,000 feet  
 Author: Frank Frieri, Sr. GIS Analyst

Received 10/23/2015  
 Office of Oil & Gas  
 REG 2015