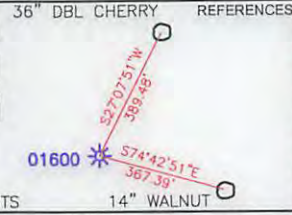
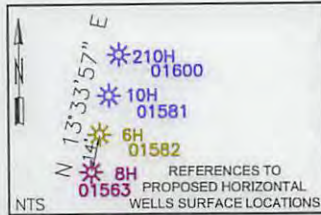


JACKSON SURVEYING
INC.
P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851



SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,416,445.521	EASTING: 538,125.883
"LANDING POINT" LOCATION (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,416,471.560	EASTING: 538,736.246
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,414,452.381	EASTING: 539,662.050

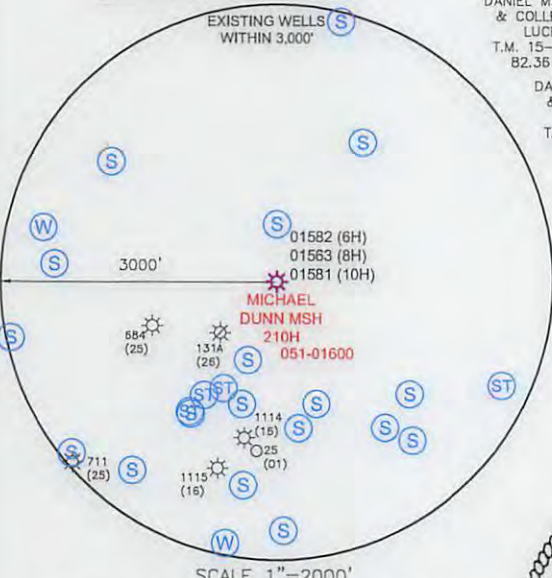
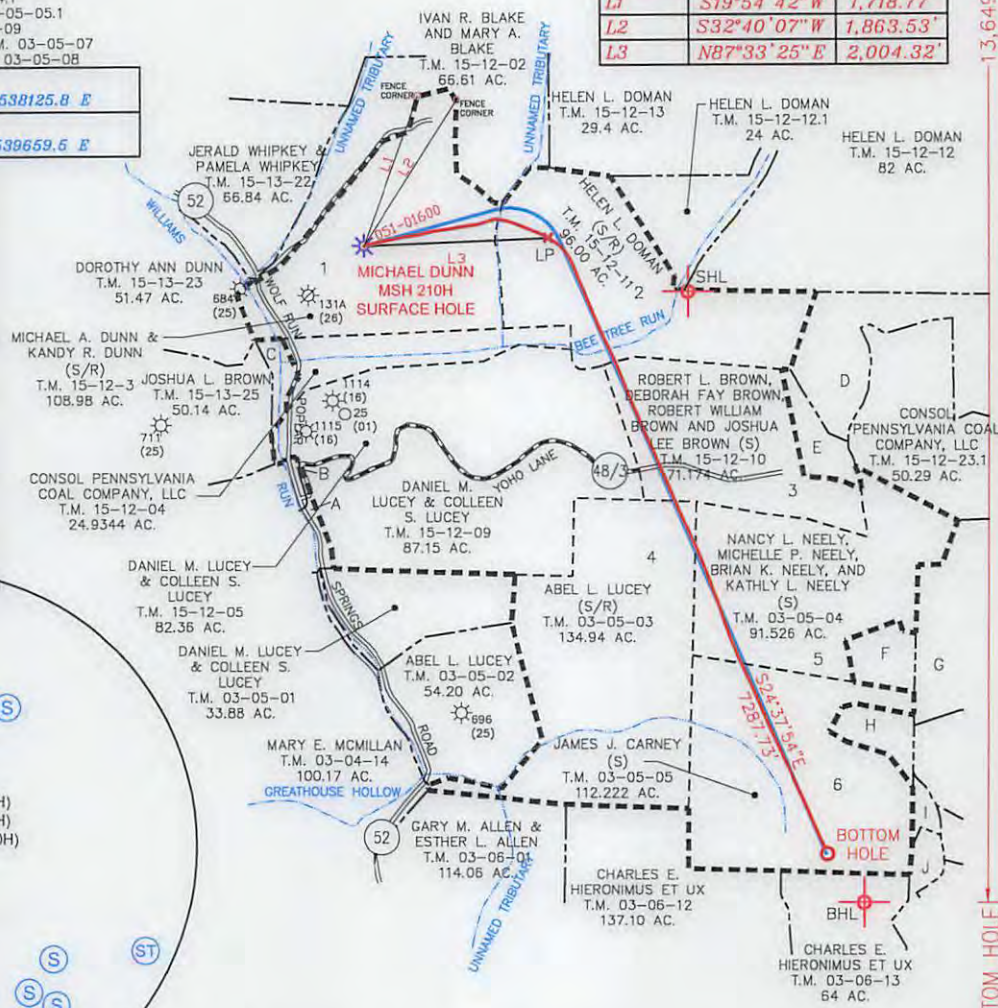
NUMBER	DIRECTION	DISTANCE
L1	S19°54'42"W	1,718.77'
L2	S32°40'07"W	1,863.53'
L3	N87°33'25"E	2,004.32'

- A-GARY L. MITCHELL & MONA S. MITCHELL 4.258 AC. T.M. 15-12-08
- B-ROBERT WILLIAM BROWN 3.695 AC. T.M. 15-12-07
- C-CONSOL PENNSYLVANIA COAL COMPANY, LLC 4,643 AC. T.M. 15-12-06
- D-HELEN L. DOMAN 48.66 AC. T.M. 15-12-23
- E-WILLIAM B. SCHAFER ET AL. 9.92 AC. T.M. 15-12-10.1
- F-MICHELLE P. NEELY 8.474 AC. T.M. 03-05-04.1
- G-STEVEN L. ROBINSON ET UX 9.4 AC. T.M. 03-05-05.1
- H-LINDA L. MCCrackEN 56.33 AC. T.M. 03-05-09
- I-MILTON E. & LINDA MCCrackEN 3.906 AC. T.M. 03-05-07
- J-MILTON E. & LINDA MCCrackEN 6.0 AC. T.M. 03-05-08

SURFACE HOLE LOCATION
UTM NAD 83 (METERS)-4416444.9 N, 538125.8 E
BOTTOM HOLE LOCATION
UTM NAD 83 (METERS)-4414461.4 N, 539659.6 E

LEGEND	
ASDRILLED LEG (RED TEXT)	—
PERMIT LEG (BLUE LEG)	—
WATERWELL	(W)
SPRING	(S)
STREAM	(ST)
SURFACE & ROYALTY OWNER	(S/R)
DIVISION LINES BETWEEN LEASE TRACTS	- - - -
ADJOINERS LINES	- - - -
SURFACE OWNER	(S)

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



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 L Jackson*

NOTES ON SURVEY:
1. NO DWELLINGS OR AGRICULTURAL BUILDINGS GREATER THAN 2,500 SQUARE FEET WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
3. 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.
4. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.

(+) 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)

COMPANY: **SWN** Production Company, LLC

OPERATOR'S WELL #: MICHAEL DUNN MSH 210H

API WELL #: 47 051 01600 **H6A**

STATE COUNTY PERMIT

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

WATERSHED: WILLIAMS RUN OF UPPER OHIO SOUTH ELEVATION: 1,258'

DISTRICT: WEBSTER COUNTY: MARSHALL QUADRANGLE: MAJORSVILLE

SURFACE OWNER: MICHAEL A. DUNN AND KANDY R. DUNN ACREAGE: 108.98

OIL & GAS ROYALTY OWNER: MICHAEL A. DUNN AND KANDY R. DUNN ACREAGE: 108.98

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

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) ASDRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,833' TVD (12,987' TD)

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

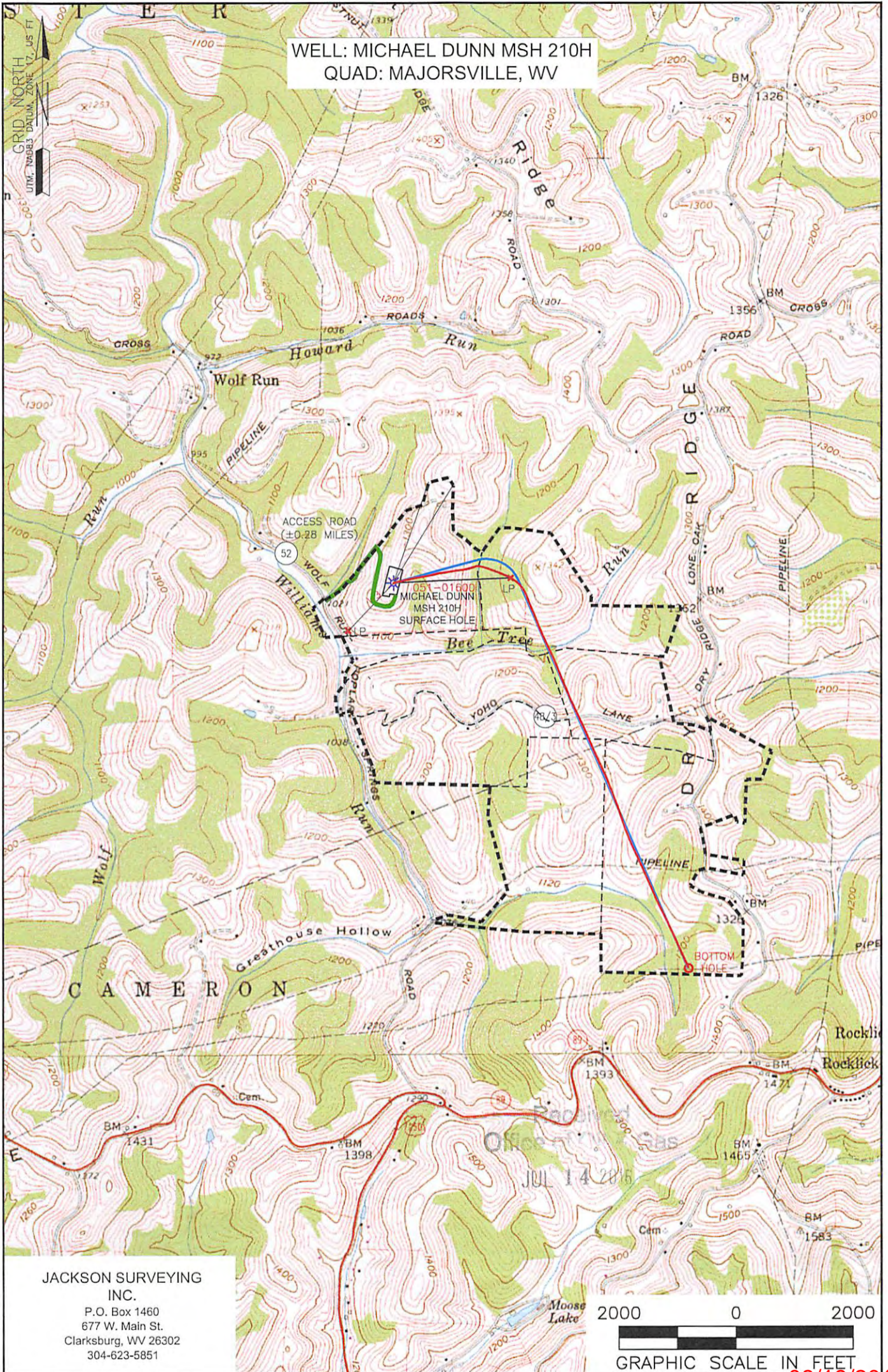
LEGEND:
 PROPOSED SURFACE HOLE / BOTTOM HOLE
 EXISTING / PRODUCING WELLHEAD
 ABANDONED WELL
 PLUGGED & ABANDONED WELL
 CUT CONDUCTOR
 - - - - LEASE BOUNDARY
 - - - - PERMIT DHP
 - - - - MARCELLUS DHP
 - - - - ABANDONED PATH

REVISIONS: DATE: 07-12-2016

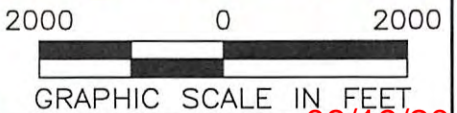
DRAWN BY: N. MANO
SCALE: 1" = 2000'
DRAWING NO:
WELL LOCATION PLAT

SI-01600

WELL: MICHAEL DUNN MSH 210H
QUAD: MAJORSVILLE, WV



JACKSON SURVEYING INC.
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08/19/2016

NOTE:
 THE PURPOSE OF THIS PLAT IS FOR THE LOCATION OF PROPOSED GAS WELLS AND DOES NOT REPRESENT A CLOSED BOUNDARY SURVEY. PROPERTY LINES AND OWNERS WERE OBTAINED FROM VARIOUS FIELD EVIDENCE, TAX RECORDS, AND AERIAL MAPPING.

LEGEND:
 - - - - - EXTERNAL BOUNDARY

Applicant/Well Operator Name SWN PRODUCTION COMPANY, LLC	Well (Farm) Name MICHAEL DUNN MSH 210H	Well# 210H
Address PO BOX 1300 JANE LEW, WV 26378	County MARSHALL	District WEBSTER
Surface Landowner/ Lessor MICHAEL A. DUNN ET UX	USGS 7 1/2 Quadrangle Map Name MAJORSVILLE	