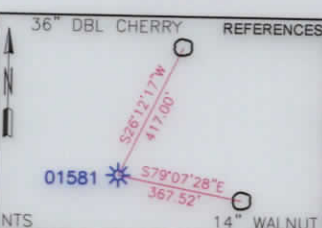
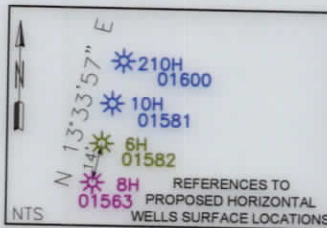


**JACKSON SURVEYING INC.**

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



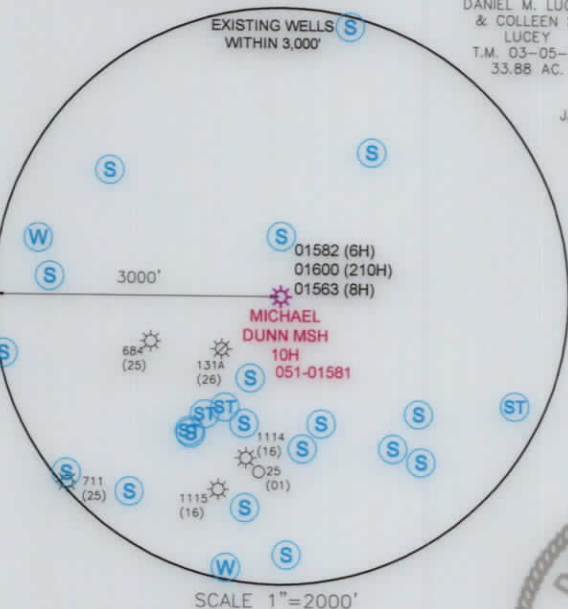
- A-GARY L MITCHELL & MONA S. MITCHELL 4.258 AC. T.M. 15-12-08
- B-ROBERT WILLIAM BROWN 3.695 AC. 15-12-07
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- F-MILTON E. & LINDA MCCrackEN 3.906 AC. T.M. 03-05-07
- G-MILTON E. & LINDA MCCrackEN 6.00 AC. T.M. 03-05-08

**SURFACE HOLE LOCATION**  
UTM NAD 83 (METERS)-4416440.7 N, 538124.8 E

**BOTTOM HOLE LOCATION**  
UTM NAD 83 (METERS)-4414464.1 N, 539321.1 E

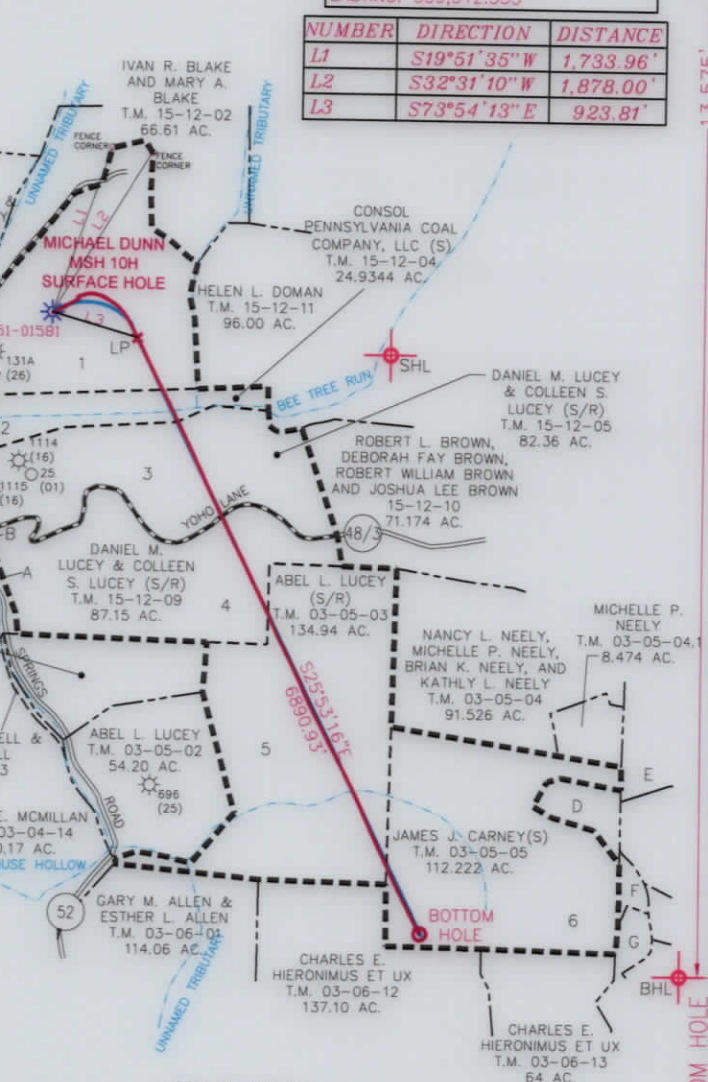
**LEGEND**

- 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)



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*



NUMBER	DIRECTION	DISTANCE
L1	S19°51'35"W	1,733.96'
L2	S32°31'10"W	1,878.00'
L3	S73°54'13"E	923.81'

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

PLAT SCALE 1"=2000'

COMPANY: **SWN** Production Company, LLC

**MICHAEL DUNN MSH**

OPERATOR'S WELL #: **10H**

API WELL #: **47 051 01581**

STATE COUNTY PERMIT

(+) 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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

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 **11/12/2021**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,833' TVD 12,987' TMD

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

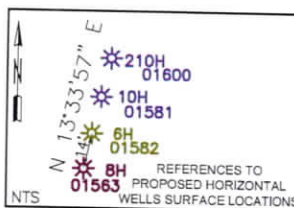
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

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

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE		07-12-2016
⊙ EXISTING / PRODUCING WELLHEAD	--- LEASE BOUNDARY	
⊘ ABANDONED WELL	--- PERMIT DHP	
⊙ PLUGGED & ABANDONED WELL	--- MARCELLUS DHP	
△ CUT CONDUCTOR	--- ABANDONED PATH	
		DRAWN BY: N. MANO
		SCALE: 1" = 2000'
		DRAWING NO:
		WELL LOCATION PLAT

**JACKSON SURVEYING INC.**

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



SURFACE HOLE 3,469'  
Latitude: 39°55'00" BOTTOM HOLE 395'

<b>SURFACE HOLE LOCATION (SHL):</b>		
UTM (NAD83, ZONE 17, METERS):		
NORTHING: 4,416,441.005	EASTING: 538,124.758	
<b>"LANDING POINT" LOCATION (LPL):</b>		
UTM (NAD83, ZONE 17, METERS):		
NORTHING: 4,416,362.936	EASTING: 538,395.296	
<b>BOTTOM HOLE LOCATION (BHL):</b>		
UTM (NAD83, ZONE 17, METERS):		
NORTHING: 4,414,473.346	EASTING: 539,312.335	

NUMBER	DIRECTION	DISTANCE
L1	S19°51'35"W	1,733.96'
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L3	S73°54'13"E	923.81'

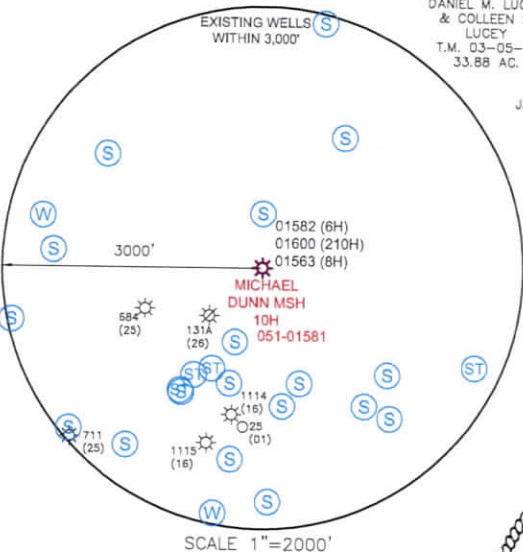
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**LEGEND**

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



SCALE 1"=2000'

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PLAT SCALE 1"=2000'

COMPANY: **SWN** Production Company, LLC

(+) 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)

MICHAEL DUNN MSH  
OPERATOR'S WELL #: 10H  
API WELL #: 47 051 01581  
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'

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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

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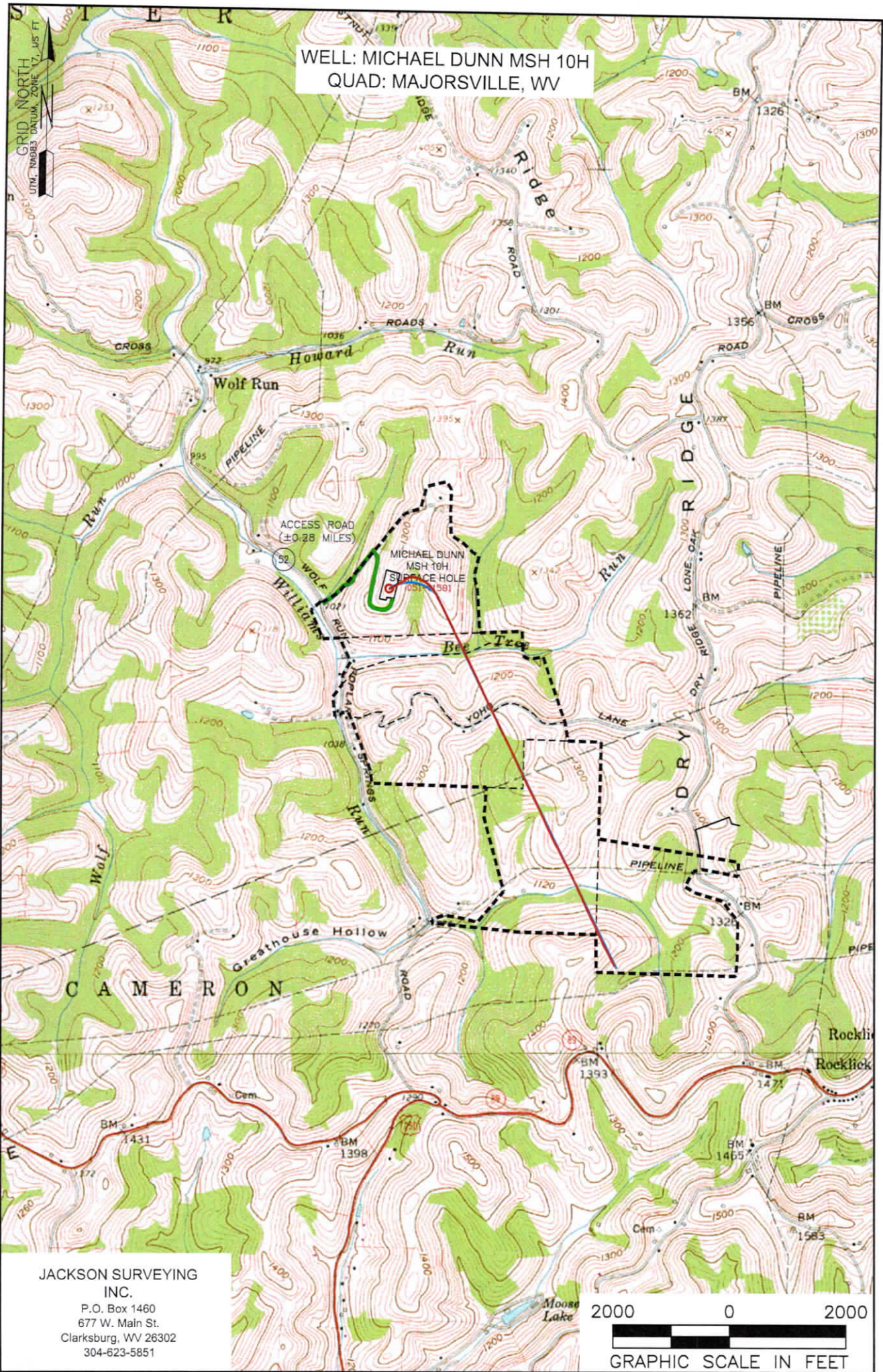
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	---
⊙ EXISTING / PRODUCING WELLHEAD	---
⊘ ABANDONED WELL	---
⊙ PLUGGED & ABANDONED WELL	---
△ CUT CONDUCTOR	---
---	---
---	---
---	---
---	---

<b>REVISIONS:</b>	<b>DATE:</b> 07-12-2016

PROPERTY NUMBER 2501160322  
PAD ID 3001155648

11/19/2021

WELL: MICHAEL DUNN MSH 10H  
 QUAD: MAJORSVILLE, WV



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



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 10H	Well# 10H (051-01581)
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	

11/12/2021