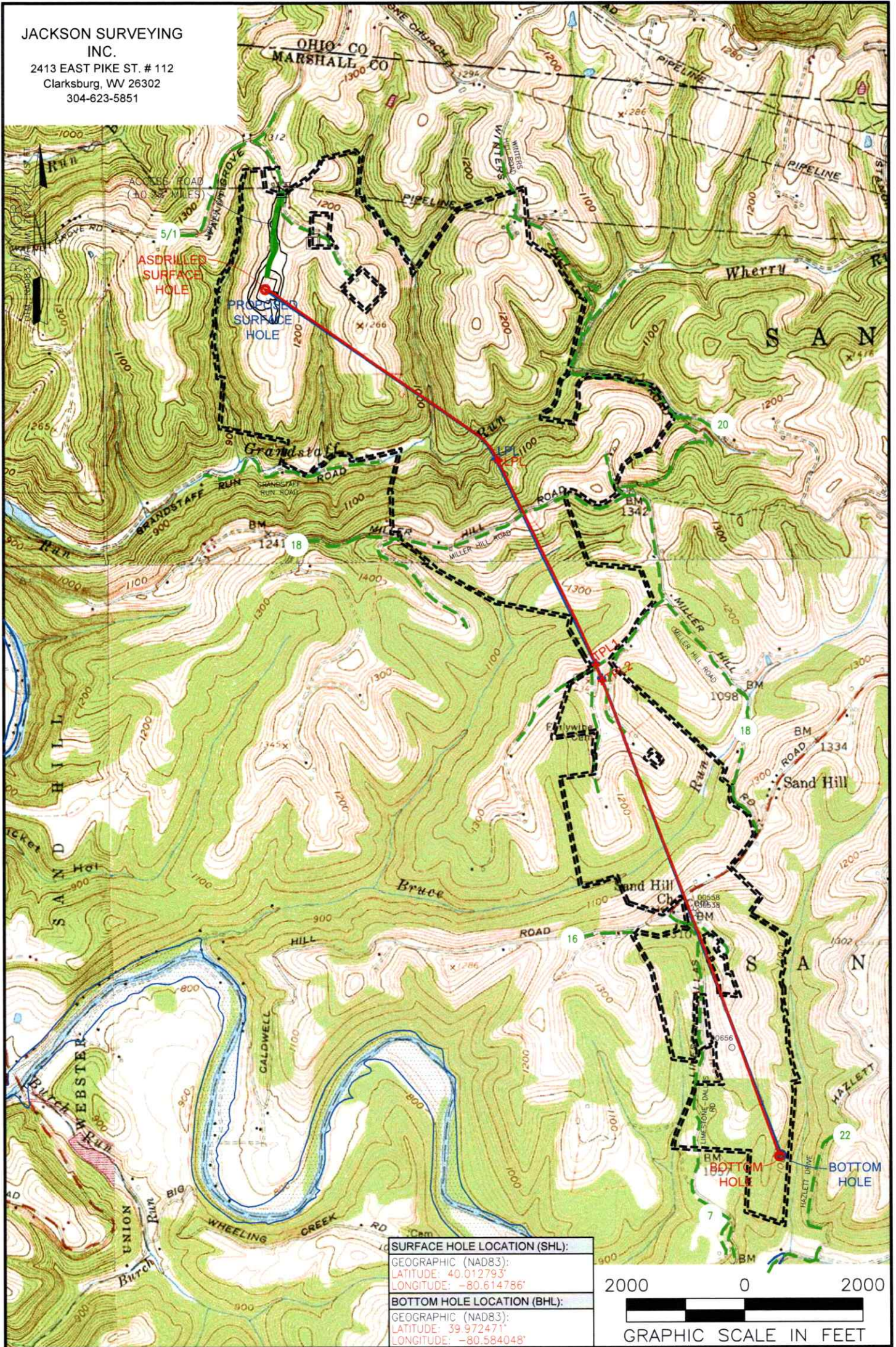
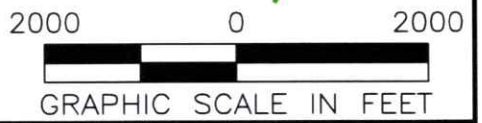


JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.012793'
LONGITUDE: -80.614786'
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.972471'
LONGITUDE: -80.584048'



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊗ EXISTING / PRODUCING WELLHEAD
- ★ LPL LANDING POINT LOCATION
- FLOOD PLAN
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH

03/13/2026

WELL OPERATOR: EXPAND OPERATING LLC	WELL (FARM) NAME: MICHAEL SOUTHWORTH MSH	WELL # 410H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT; SANDHILL	
SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN	USGS 7 1/2 QUADRANGLE MAP NAME VALLEY GROVE, WV	API #: 47-051-02523	

Latitude: 40°02'30"

SURFACE HOLE 8,806'

Latitude: 40°00'00" BOTTOM HOLE

BOTTOM HOLE 200'

JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

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

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,429,247.784
EASTING: 532,875.792

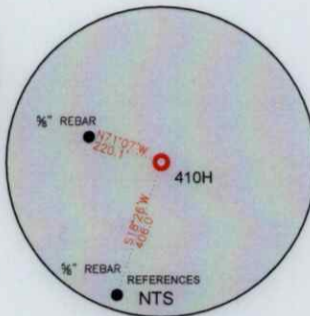
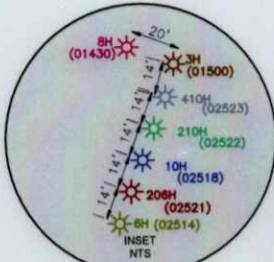
LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,428,375.648
EASTING: 534,065.014

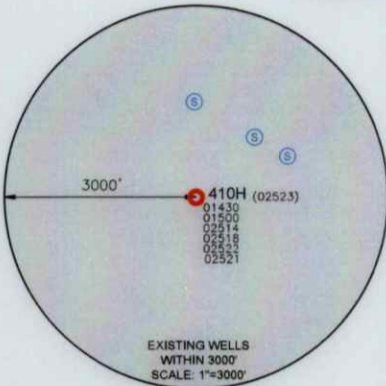
BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,424,788.136
EASTING: 535,528.398

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 10°06'34" E	1677.07'	SHL TO LANDMARK	5/8" REBAR FOUND
L2	N 45°28'25" E	1115.19'	SHL TO LANDMARK	5/8" REBAR FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 53°43'57" E	4886.03'	4919.90'	SHL TO LPL
L4	S 20°52'42" E	285.87'	285.87'	AZL1 TO AZL2



SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,429,248.205 EASTING: 532,875.680
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,428,367.222 EASTING: 534,076.420
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,424,784.589 EASTING: 535,519.813



WELL RESTRICTIONS

1. THERE ARE TWO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

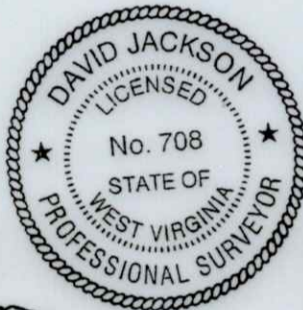
NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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



COMPANY:

expand



(+) 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)

MICHAEL SOUTHWORTH MSH
OPERATOR'S WELL #: 410H
API WELL #: 47 051 02523
STATE COUNTY PERMIT

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

WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1271.4'

DISTRICT: SANDHILL COUNTY: MARSHALL QUADRANGLE: VALLEY GROVE, WV

SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN ACREAGE: ±159.776

OIL & GAS ROYALTY OWNER: BARRY A. & KIMBERLY S. LITMAN ACREAGE: ±159.776

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

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) ASDRILLED 03/13/2026

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,585 TVD 21,260 TMD

WELL OPERATOR: EXPAND OPERATING LLC DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE:
● PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	03-25-2025
★ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL★ LANDING POINT LOCATION	— LEASE BOUNDARY	DRAWN BY: N. MANO
⊙ EXISTING WATER WELL	— ASDRILLED PATH	SCALE: 1" = 2000'
⊙ EXISTING SPRING	— PROPOSED PATH	DRAWING NO:
		WELL LOCATION PLAT

Longitude: 80°35'00"
Longitude: 80°35'00"
SURFACE HOLE 10,520'
BOTTOM HOLE 10,028'

JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851



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

03/13/2026

REVISIONS:		COMPANY:		expand	
		OPERATOR'S MICHAEL SOUTHWORTH MSH		API #:	DATE: 03-25-2025
		WELL #:		47-051-02523	DRAWN BY: N. MANO
		DISTRICT:		410H	SCALE: N/A
		SANDHILL		COUNTY:	DRAWING NO:
				MARSHALL	WELL LOCATION PLAT 2
				STATE:	
				WV	

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	EDGE WILLIAM F JR - TOD ET AL	12-2-16
B	LITMAN JAMES M & LUCY A	12-2-16.1
C	VELLENOWETH SCOTT U ET UX	12-2-1.1
D	LITMAN BARRY A	12-2-10.2
E	RADCLIFFE JOHN D & ANNA M	12-2-10.1
F	BLATT THERESA L	12-2-23
G	BAIRD FAMILY TRUST	12-2-2
H	GREGORY JOHN W ET UX	12-2-9.1
I	REINEKE RICHARD S	12-2-9.2
J	MCFARLAND DANIEL W & VICKI L	12-2-24
K	MCFARLAND DANIEL W JR	12-2-4.1
L	HUNTER RODNEY J	12-3-14
M	HUNTER MARILYN DARLENE	12-3-14.2
N	MCFARLAND BRIAN MATTHEW	12-3-12.1
O	GANTZER GREGORY	12-3-12
P	PARKER PETER	12-2-6
Q	GANTZER GREGORY	12-3-11.1
R	MCVICKER R G JR	12-3-11
S	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-11
T	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-12
U	GODDARD THERESA M	12-8-9
V	GODDARD THERESA M	12-8-8
W	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-29.1
X	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-29
Y	FONNER TRAVIS R & STACEY L	12-8-26
Z	STORCH LOIS M	12-8-25
A2	WILSON TERRY WAYNE	12-8-24
B2	MCGINNIS ROY EUGENE EST - MCGINNIS TRAVIS	12-8-23
C2	STORCH LOIS M	12-11-12.2
D2	STORCH JOSEPH WILLIAM ET UX	12-11-13
E2	ULLOM BRIAN KEITH & SARAH ANN	12-11-14.3
F2	KLAGES RONALD N	12-11-10.3
G2	HAZLETT KELLI	12-11-10.1
H2	HILLBERRY BRANDON	12-11-9.4
I2	STRAWN JENNIFER	12-11-14.2
J2	WHEELING CREEK WATERSHED COMM	12-16-22
K2	CONSOL LAND DEVELOPMENT CO	12-16-18
L2	THOMAS RICHARD LEE BARTON	12-11-16
M2	HILLBERRY PAUL E JR	12-11-9.3
N2	LOUGHERY JAMES P JR & BROCK ROBIN M	12-11-9.2
O2	HOWARD JOYCE	12-11-9.1
P2	GRAY DONALD G - TOD & GRAY WYATT MATTHEW	12-11-8
Q2	RUNKLE MICHELL LEE	12-11-8.7
R2	GRAY DONALD G ET UX - TOD	12-11-8.2
S2	GRAY WYATT MATTHEW	12-11-8.6
T2	SANDHILL CEMETERY TRUS	12-11-10.2
U2	M E CHURCH	12-11-17
V2	M E CHURCH TRUSTEES	12-11-11
W2	GRAY DONALD G - TOD & GRAY WYATT MATTHEW	12-11-8
X2	TEMPLE TERRY L & BEVERLY J - TOD	12-11-4
Y2	TOLAND WILLIAM EUGENE ET AL	12-8-33
Z2	TOLAND MARGARET	12-8-32
A3	WINTERS BEVERLY DIANE	12-8-31.2
B3	KENT PERRY L	12-8-30.1
C3	TOLAND CARRIE M	12-8-33.1
D3	RICHEY RANDY ET UX	12-8-35
E3	TOTH JOHN J SR & ALICE - TRUST	12-8-4.1
F3	PORTER CARLA S	12-9-13
G3	G F P CORP	12-2-7
H3	G F P CORP	12-2-12
I3	WV BRIGHTMONT LLC	12-2-14
J3	EDGE WILLIAM F JR - TOD ET AL	12-2-15

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S/R)	12-2-10
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	REINEKE RICHARD S (S)	12-2-9
3	TDL&G LLC (S)	12-2-8
4	TUBAUGH NORMA HUNTER ET AL (S)	12-2-5
5	TOTH JOHN J SR & ALICE J REVOCABLE TRUST (S)	12-8-1
6	W VA DEPT OF HIGHWAYS (S)	Miller Hill Rd
7	TOTH JOHN J SR & ALICE - TRUST (S)	12-8-4
8	CORNELL SALLY SEIBERT & ROBERT (S)	12-8-5
9	SCHULTZ CHARLES E & CLAUDIA M - TOD (S)	12-8-6
10	JOHNSON LONI M & JAMES A (S)	12-8-31.1
11	ALAMINSKI LUCINDA RUTH (S)	12-8-31.3
12	GRAY ZANDE C (S)	12-8-30
13	WINTERS BEVERLY DIANE (S)	12-11-6
14	STORCH JOSEPH WILLIAM ET UX (S)	12-11-7
15	STORCH JOSEPH WILLIAM ET UX (S)	12-11-12
16	W VA DEPT OF HIGHWAYS (S)	Sand Hill Rd
17	KLAGES MARY ANN (S)	12-11-10
18	KEYSER MARY ANN (S)	12-11-10.4
19	HILLBERRY GARRY L (S)	12-11-9
20	JUNKINS RONALD D JR ET AL (S)	12-11-15

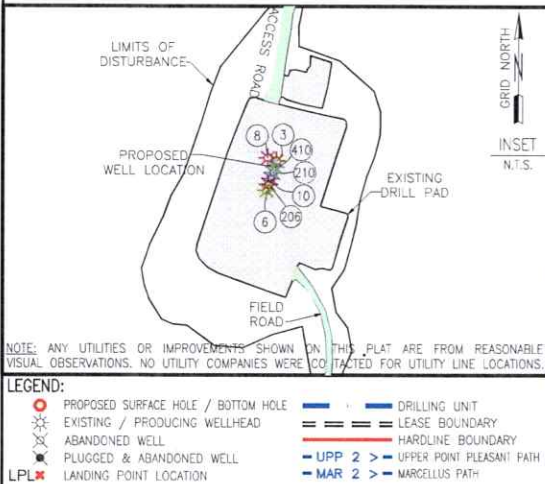
03/13/2026

REVISIONS:	COMPANY:		
	OPERATOR'S MICHAEL SOUTHWORTH MSH	API #:	DATE: 03-25-2025
	WELL #:	410H	47-051-02523
	DISTRICT:	COUNTY:	DRAWN BY: N. MANO
	SANDHILL	MARSHALL	SCALE: N/A
		STATE:	DRAWING NO:
		WV	WELL LOCATION PLAT 3

JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD27): LATITUDE: 40.012715° LONGITUDE: -80.614888°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 552,912.678 EASTING: 1,687,691.214
TURNING POINT LOCATION-1 (TPL1):
GEOGRAPHIC (NAD27): LATITUDE: 40.011834° LONGITUDE: -80.613326°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 552,585.891 EASTING: 1,688,152.380
TURNING POINT LOCATION-2 (TPL2):
GEOGRAPHIC (NAD27): LATITUDE: 40.011621° LONGITUDE: -80.612925°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 552,507.040 EASTING: 1,688,263.653
TURNING POINT LOCATION-3 (TPL3):
GEOGRAPHIC (NAD27): LATITUDE: 40.009954° LONGITUDE: -80.602238°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 550,403.835 EASTING: 1,691,231.643
LANDING POINT LOCATION (LPL):
GEOGRAPHIC (NAD27): LATITUDE: 40.004810° LONGITUDE: -80.601099°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 549,965.415 EASTING: 1,691,515.685
AZIMUTH POINT LOCATION-1 (AZL1):
GEOGRAPHIC (NAD27): LATITUDE: 39.995321° LONGITUDE: -80.595173°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 549,908.717 EASTING: 1,693,163.328
AZIMUTH POINT LOCATION-2 (AZL2):
GEOGRAPHIC (NAD27): LATITUDE: 39.994637° LONGITUDE: -80.594797°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 546,258.349 EASTING: 1,693,265.752
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD27): LATITUDE: 39.972427° LONGITUDE: -80.584151°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 538,132.473 EASTING: 1,696,150.834

SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD27): LATITUDE: 40.012719° LONGITUDE: -80.614588°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 552,914.068 EASTING: 1,687,680.877
LANDING POINT LOCATION (LPL):
GEOGRAPHIC (NAD27): LATITUDE: 40.004734° LONGITUDE: -80.600568°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 549,957.136 EASTING: 1,691,582.632
AZIMUTH POINT LOCATION-1 (AZL1):
GEOGRAPHIC (NAD27): LATITUDE: 39.995253° LONGITUDE: -80.595113°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 546,483.701 EASTING: 1,693,175.910
AZIMUTH POINT LOCATION-2 (AZL2):
GEOGRAPHIC (NAD27): LATITUDE: 39.994518° LONGITUDE: -80.594754°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 546,214.631 EASTING: 1,693,277.343
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD27): LATITUDE: 39.972396° LONGITUDE: -80.584251°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 538,121.306 EASTING: 1,696,122.467

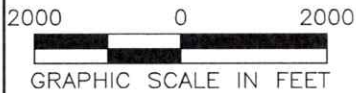
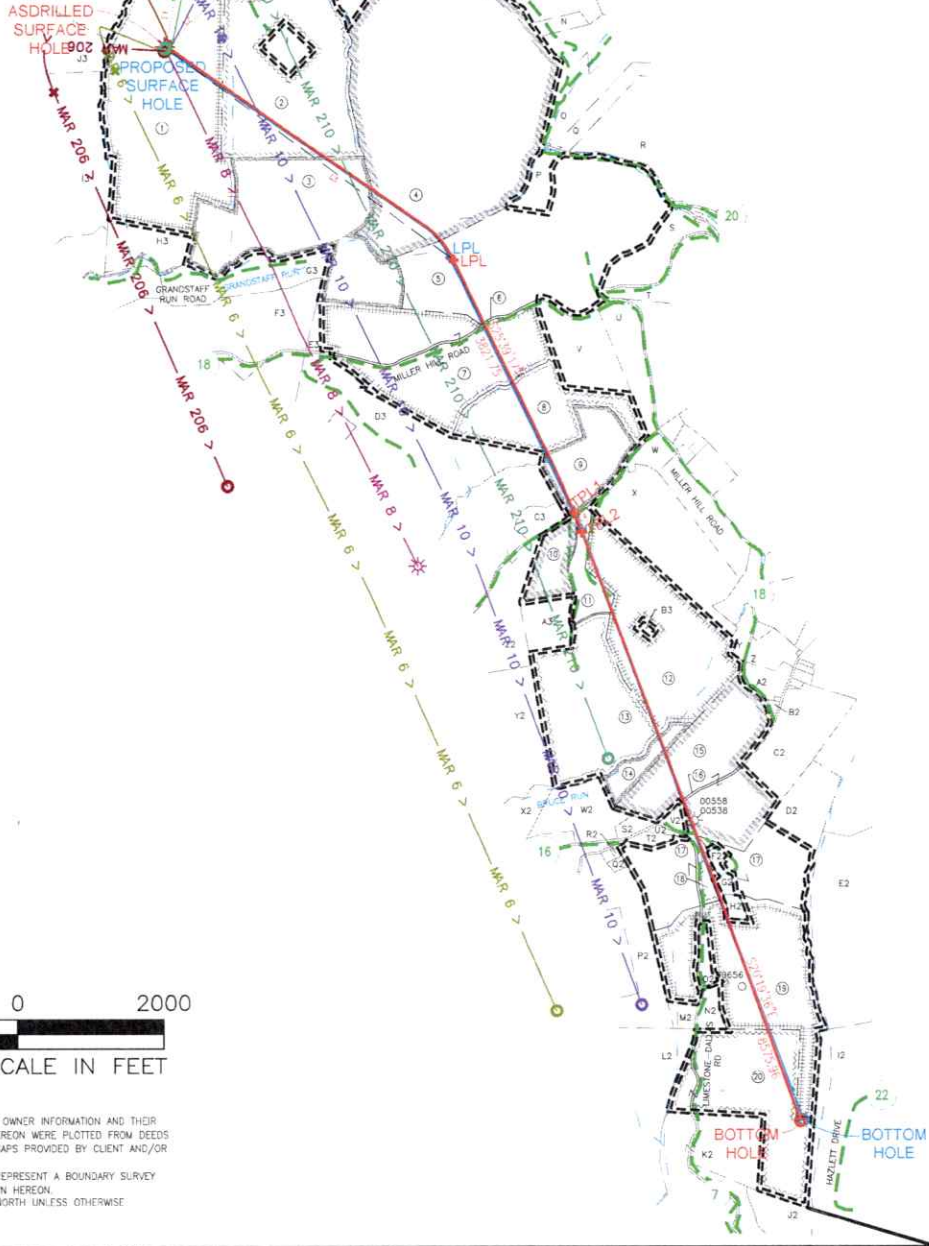


COMPANY:		
OPERATOR'S MICHAEL SOUTHWORTH MSH		API #:
WELL #: 410H		47-051-02523
DISTRICT: SANDHILL	COUNTY: MARSHALL	STATE: WV
EXPAND OPERATING LLC		
SURFACE HOLES		
3. "MICHAEL SOUTHWORTH MSH 3H"		
6. "MICHAEL SOUTHWORTH MSH 6H"		
8. "MICHAEL SOUTHWORTH MSH 8H"		
10. "MICHAEL SOUTHWORTH MSH 10H"		
206. "MICHAEL SOUTHWORTH MSH 206H"		
210. "MICHAEL SOUTHWORTH MSH 210H"		
410. "MICHAEL SOUTHWORTH MSH 410H"		
REVISIONS:	DATE: 03-25-2025	
DRAWN BY: N. MANO		
SCALE: 1" = 2000'		
DRAWING NO:		
INTERNAL WELL PLAT:		

03/13/2026

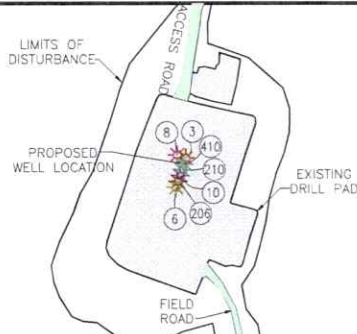
JACKSON SURVEYING
INC.
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

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



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.



NOTE: ANY UTILITIES OR IMPROVEMENTS SHOWN ON THIS PLAT ARE FROM REASONABLE VISUAL OBSERVATIONS. NO UTILITY COMPANIES WERE CONTACTED FOR UTILITY LINE LOCATIONS.

LEGEND:

	PROPOSED SURFACE HOLE / BOTTOM HOLE		DRILLING UNIT
	EXISTING / PRODUCING WELLHEAD		LEASE BOUNDARY
	ABANDONED WELL		HARDLINE BOUNDARY
	PLUGGED & ABANDONED WELL		UPPER POINT PLEASANT PATH
	LANDING POINT LOCATION		MAR 2 - MARCELLUS PATH

COMPANY:		
OPERATOR'S MICHAEL SOUTHWORTH MSH		API #:
WELL #:	410H	47-051-02523
DISTRICT:	COUNTY:	STATE:
SANDHILL	MARSHALL	WV
EXPAND OPERATING LLC SURFACE HOLES		
3. "MICHAEL SOUTHWORTH MSH 3H"		
6. "MICHAEL SOUTHWORTH MSH 6H"		
8. "MICHAEL SOUTHWORTH MSH 8H"		
10. "MICHAEL SOUTHWORTH MSH 10H"		
206. "MICHAEL SOUTHWORTH MSH 206H"		
210. "MICHAEL SOUTHWORTH MSH 210H"		
410. "MICHAEL SOUTHWORTH MSH 410H"		
REVISIONS:	DATE: 03-25-2025	
DRAWN BY: N. MANO		
SCALE: 1" = 2000'		
DRAWING NO:		
INTERNAL WELL PLAT		

03/13/2026