

LATITUDE: 39°45' SURFACE HOLE (2000' SCALE) 96'

LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE) 1200'

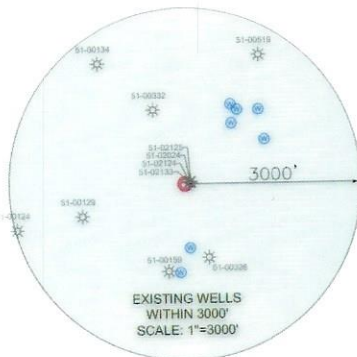


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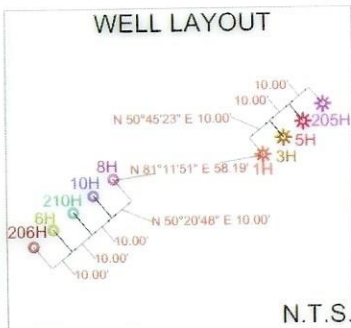
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

NOTES ON SURVEY

1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. 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.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY PRODUCING FOUNTAIN STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4398193.65
EASTING: 535667.03
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4398152.08
EASTING: 535675.87
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4395135.54
EASTING: 538902.82



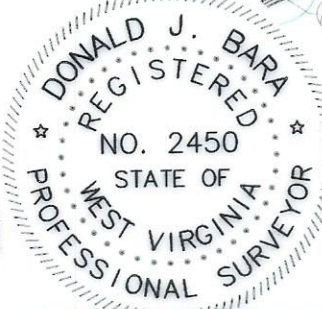
LINE	BEARING	DISTANCE
L1	N52°19'49"W	2238.44'
L2	N16°27'38"E	2614.41'



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4398193.52
EASTING: 535666.77
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4398169.37
EASTING: 535658.73
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4395133.41
EASTING: 538901.21

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. 2450



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

WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  MINIMUM DEGREE OF ACCURACY: 1/200  PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: YOCUM MSH 8H  API WELL #: 47 STATE 051 COUNTY 02461 PERMIT
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION  DEEP GAS  LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH DISTRICT: LIBERTY COUNTY: MARSHALL ELEVATION: 1052.6' QUADRANGLE: LITTLETON, WV

SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ±97.07

OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ±97.07

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

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) AS-DRILLED 03/15/2024

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,291' IVD 22,140' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITANY WOODY  
 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201  
 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

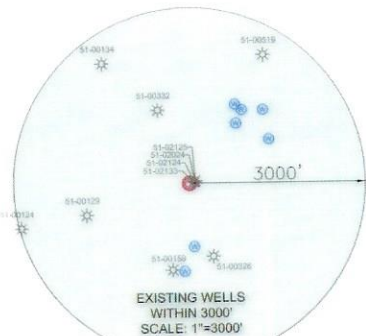
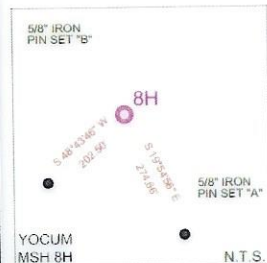
<b>LEGEND:</b>	<b>REVISIONS:</b>	<b>DATE:</b> 05-04-2023
EXISTING BOTTOM HOLE		API NO: 47-051-02461
EXISTING / PRODUCING WELLHEAD	ACCESS ROAD	DRAWN BY: Z. WOOD
EXISTING LANDING POINT LOCATION	PUBLIC ROAD	SCALE: 1" = 2000'
PROPOSED SURFACE HOLE / BOTTOM HOLE	FLOOD PLAN	DRAWING NO: 2017-154
PROPOSED LANDING POINT LOCATION	LEASE BOUNDARY	WELL LOCATION PLAT
	AS-DRILLED PATH	
	PROPOSED PATH	





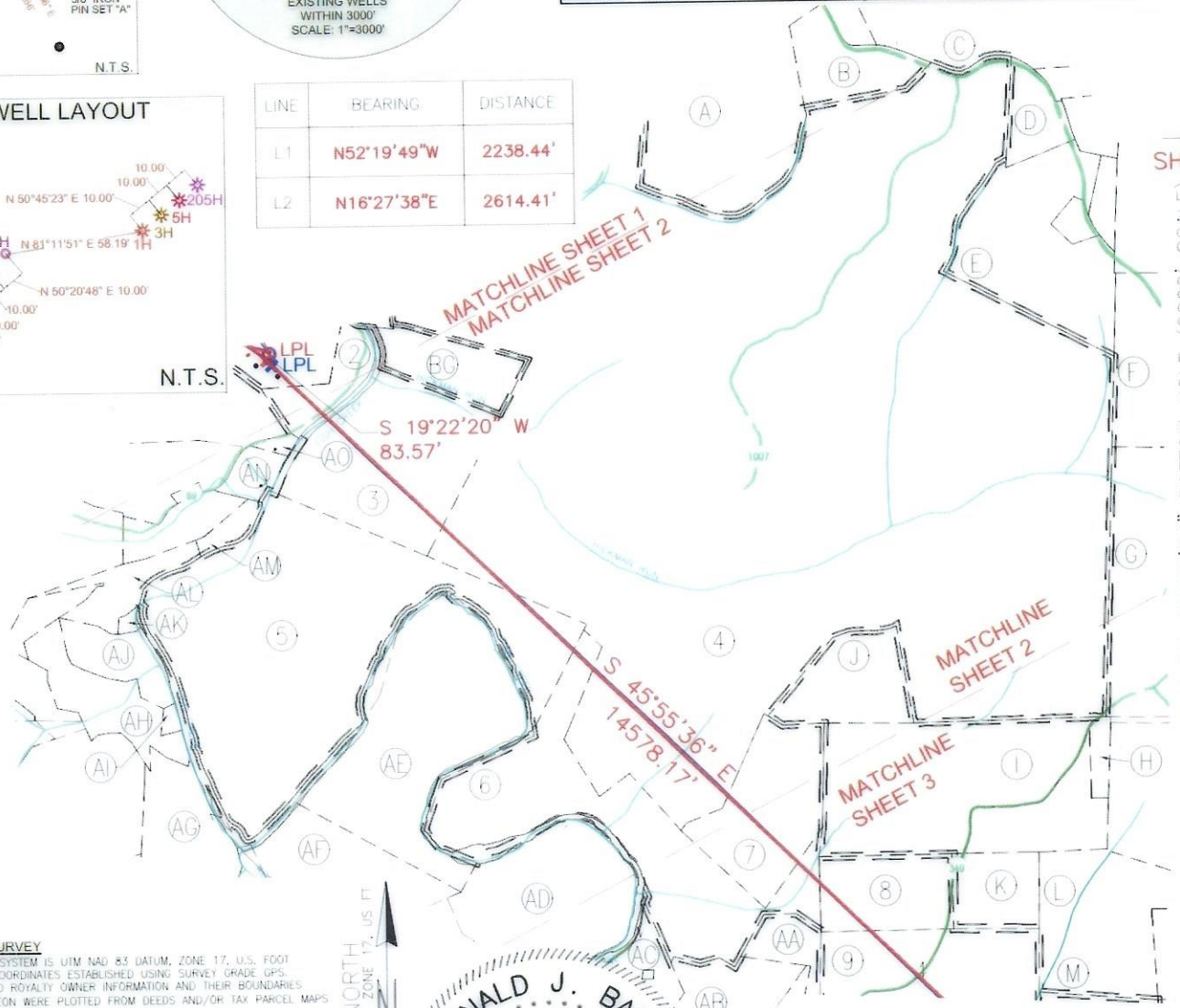
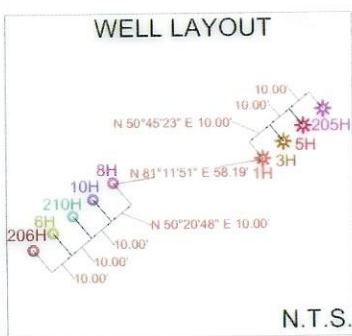
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68011 Vineyard Road  
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<b>SURFACE HOLE LOCATION (SHL):</b>	<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4398193.52 EASTING: 535666.77	UTM (NAD83, ZONE 17, METERS): NORTHING: 4398193.65 EASTING: 535667.03
<b>LANDING POINT LOCATION (LPL):</b>	<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4398169.37 EASTING: 535658.73	UTM (NAD83, ZONE 17, METERS): NORTHING: 4398152.08 EASTING: 535675.87
<b>BOTTOM HOLE LOCATION (BHL):</b>	<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4395133.41 EASTING: 538901.21	UTM (NAD83, ZONE 17, METERS): NORTHING: 4395135.54 EASTING: 538902.82

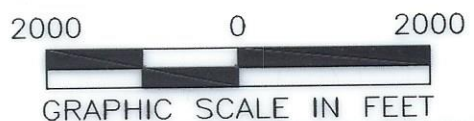
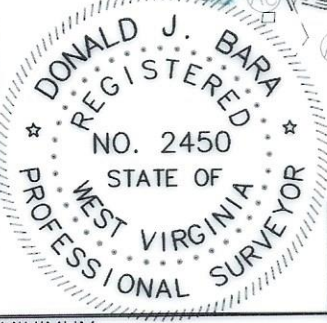
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**NOTES ON SURVEY**

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6. NO NATURALLY PRODUCING FROTH STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, U.S. FT



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P.S. 2450

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

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	YOCUM MSH
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 8H API WELL #: 47 STATE, 051 COUNTY, 02461 PERMIT

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

WATERSHED: UPPER OHIO SOUTH  
DISTRICT: LIBERTY COUNTY: MARSHALL  
SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM  
OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM

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

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) AS-DRILLED 03/15/2024  
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,291' TVD 22,140' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC  
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201  
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITANY WOODY  
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201  
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

<b>LEGEND:</b>	<ul style="list-style-type: none"> <li>EXISTING BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>EXISTING LANDING POINT LOCATION</li> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>PROPOSED LANDING POINT LOCATION</li> <li>ACCESS ROAD</li> <li>PUBLIC ROAD</li> <li>FLOOD PLAIN</li> <li>LEASE BOUNDARY</li> <li>ASDRILLED PATH</li> <li>PROPOSED PATH</li> </ul>	REVISIONS: DATE: 05-04-2023 API NO: 47-051-02461 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-154 WELL LOCATION PLAT
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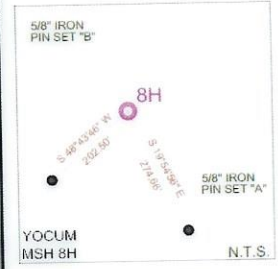
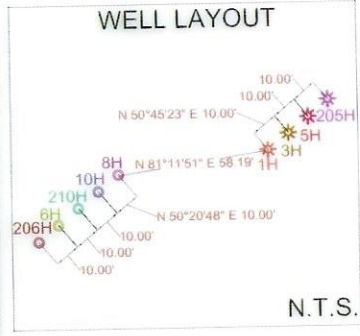
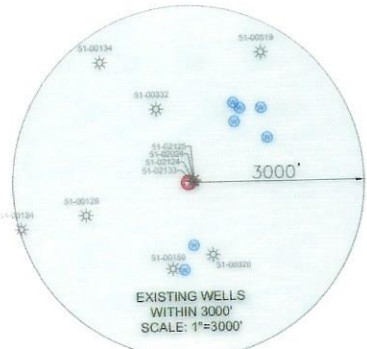
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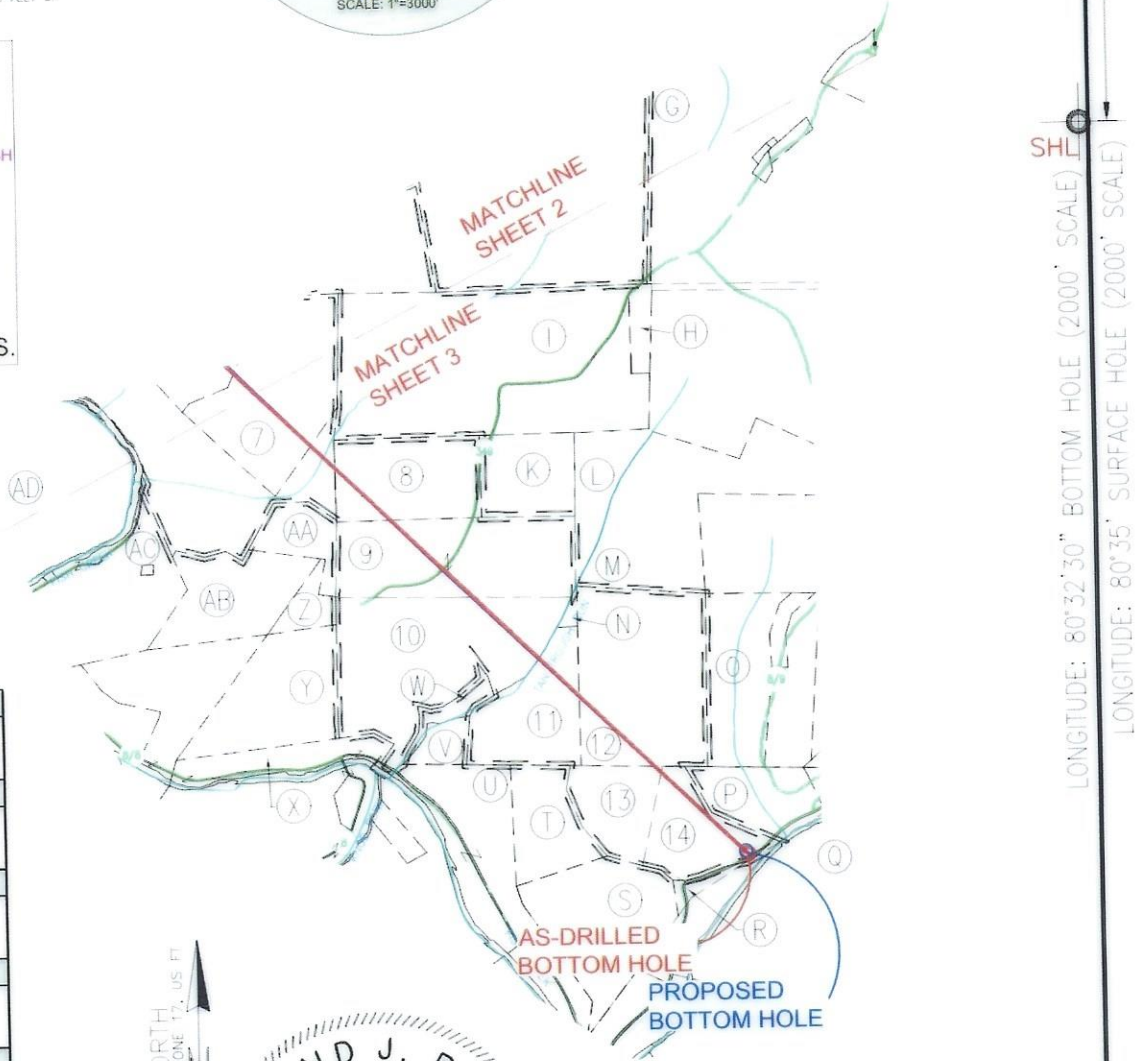
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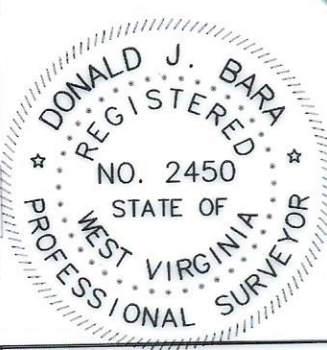
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UTM, NAD83 DATUM, ZONE 17, US FT



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<p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>YOCUM MSH</p> <p>OPERATOR'S WELL #: 8H</p> <p>API WELL #: 47 STATE 051 COUNTY 02461 PERMIT</p>
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION  DEEP GAS  LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1052.6'

DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: LITTLETON, WV

SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ±97.07

OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ±97.07

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DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:
<ul style="list-style-type: none"> <li>EXISTING BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL* EXISTING LANDING POINT LOCATION</li> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>LPL* PROPOSED LANDING POINT LOCATION</li> <li>ACCESS ROAD</li> <li>PUBLIC ROAD</li> <li>FLOOD PLAN</li> <li>LEASE BOUNDARY</li> <li>ASDRILLED PATH</li> <li>PROPOSED PATH</li> </ul>	<p>DATE: 05-04-2023</p> <p>API NO: 47-051-02461</p> <p>DRAWN BY: Z. WOOD</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 2017-154</p> <p>WELL LOCATION PLAT</p>





WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	YOCUM JOSEPH LEE & MICHAEL D	7-26-9
TRACT	SURFACE OWNER	TAX PARCEL
2	STIPETICH SUSAN F & FRANK R	7-27-4.2
3	VELLEKOOP PETER B ET UX - TOD	7-27-11
4	W VA WILDLIFE RESOURCES SECTION	7-24-1
5	VELLEKOOP PETER B ET UX - TOD	7-27-13
6	SEIDLER EARL DALE & NETTIE	1-2-6.1
7	WILLIAMS KATHERINE E TRUST	1-3-1
8	WILLIAMS LONNIE L	1-3-7
9	WILLIAMS JOHN EDWARD	1-3-8
10	MCGUFFIE ARCH	1-6-5
11	MILLIKEN KEVIN R ETAL	3-1-8
12	DRAHEIM GARY W JR ETAL	3-1-9
13	CONSOLIDATED GAS TRANS CORP	3-1-21
14	CONSOLIDATED GAS TRANS CORP	3-1-20

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	GRESHAW JASON M & MARY L	7-25-2
B	BROWN ANDREW C III	7-25-6
C	HARRINGTON CLYDE F	7-25-7
D	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES	7-25-9
E	CONAWAY THOMAS EARL JR & CAROLYN K STOWE	7-25-12
F	CONAWAY THOMAS E	7-23-1
G	PRENDERGAST MICHAEL J & SUELLEN LEMLEY	7-23-26
H	LONG LONNY DAVID & LINDA SUE	1-3-2.1
I	ABEREGG D W EST & ABEREGG	1-3-2
J	WADE MICHAEL CLAY & MCCELLAND LAWRENCE W - TOD ET AL	7-24-6
K	WILLIAMS JOHN EDWARD	1-3-9
L	JOHNSON VERNON S EST	3-1-1
M	DRAHEIM HERBERT P ET AL	3-1-6
N	CBC HOLDINGS LLC	3-1-8.1
O	DRAHEIM GARY WAYNE JR ETAL	3-1-10
P	CONSOLIDATED GAS TRANS CORP	3-1-19
Q	CONSOLIDATED GAS TRANSMISSION	3-1-32
R	CONSOLIDATED GAS TRANSMISSION	3-1-31
S	CONSOLIDATED GAS TRANSMISSION	3-1-29
T	PHILLIPS JR CHARLES R	3-1-22
U	S&R INVESTMENTS	3-1-23
V	CONSOLIDATED GAS TRANS CORP	3-1-7
W	MILLIKEN KEVIN R ETAL	1-6-6
X	BERRY LAWRENCE C & DOROTHY J	1-6-8
Y	WILLIAMS JOHN E HRS	1-6-4
Z	UNKNOWN	UNKNOWN
AA	CONSOLIDATED GAS TRANSMISSION	1-3-5
AB	BLACKROCK ENTERPRISES LLC	1-6-1
AC	SEIDLER E DALE & NETTIE L	1-5-10

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AD	SEIDLER E DALE & NETTIE L	1-2-6.2
AE	WV STATE COMMERCE BUREAU OF NAT RESOURCES DIVISION	1-2-6
AF	WV STATE COMMERCE BUREAU OF NAT RESOURCES DIVISION	1-2-12
AG	MCINTIRE STEPHEN ROSS	1-2-5
AH	FERDA BRIAN T ET UX	7-27-15
AI	FITZSIMMONS SCOTT M ET AL	7-27-14
AJ	FERDA BRIAN T ET UX	7-27-16
AK	FERDA BRIAN T ET UX	7-27-16.1
AL	GEHO ANNIE L EST	7-27-21
AM	BURGE DELORES E ET AL	7-27-10
AN	HIGH PHILIP D	7-27-8
AO	YOCUM JOSEPH LEE & MICHAEL D	7-27-4.1
AP	YOCUM JOSEPH LEE & MICHAEL D	7-27-5
AQ	HORNER DELORSE A	7-26-10
AR	CONSOLIDATED GAS SUPPLY CORP	7-26-8
AS	BUZZARD COLIN R	7-26-3
AT	BUTLER JOHN M & LISA A	7-26-11.1
AU	HUNDRED RESOURCES INC	7-26-11
AV	RIGGS JOHN E JR & DELANA	7-27-2
AW	MORGAN JAMES E - LIFE	7-26-14
AX	GRIFFEN M PEGGY REVOCABLE LIVING TRUST	7-19-28
AY	FROMHART BRAD ET UX - LIFE	7-20-41
AZ	UNDERDONK ALAN	7-16-25.1
BA	BURLEY AMMON ET UX	7-20-12
BB	BURLEY AMMON A	7-20-24
BC	BURLEY AMON A	7-20-37
BD	GEDEON DANIEL D ET UX	7-26-6
BE	VELLEKOOP PETER B ET UX - TOD	7-26-6.1
BF	VELLEKOOP PETER B ET UX - TOD	7-26-6.2
BG	VELLEKOOP PETER B ET UX - TOD	7-27-10.1

03/15/2024

REVISIONS:	 	
	COMPANY:	
	OPERATOR'S	YOCUM MSH
	WELL #:	8H
	DISTRICT:	LIBERTY
	COUNTY:	MARSHALL
	STATE:	WV
	DATE:	05-04-2023
	API NO:	47-051-02461
	DRAWN BY:	Z. WOOD
	SCALE:	N/A
	DRAWING NO:	2017-154
	WELL LOCATION	PLAT