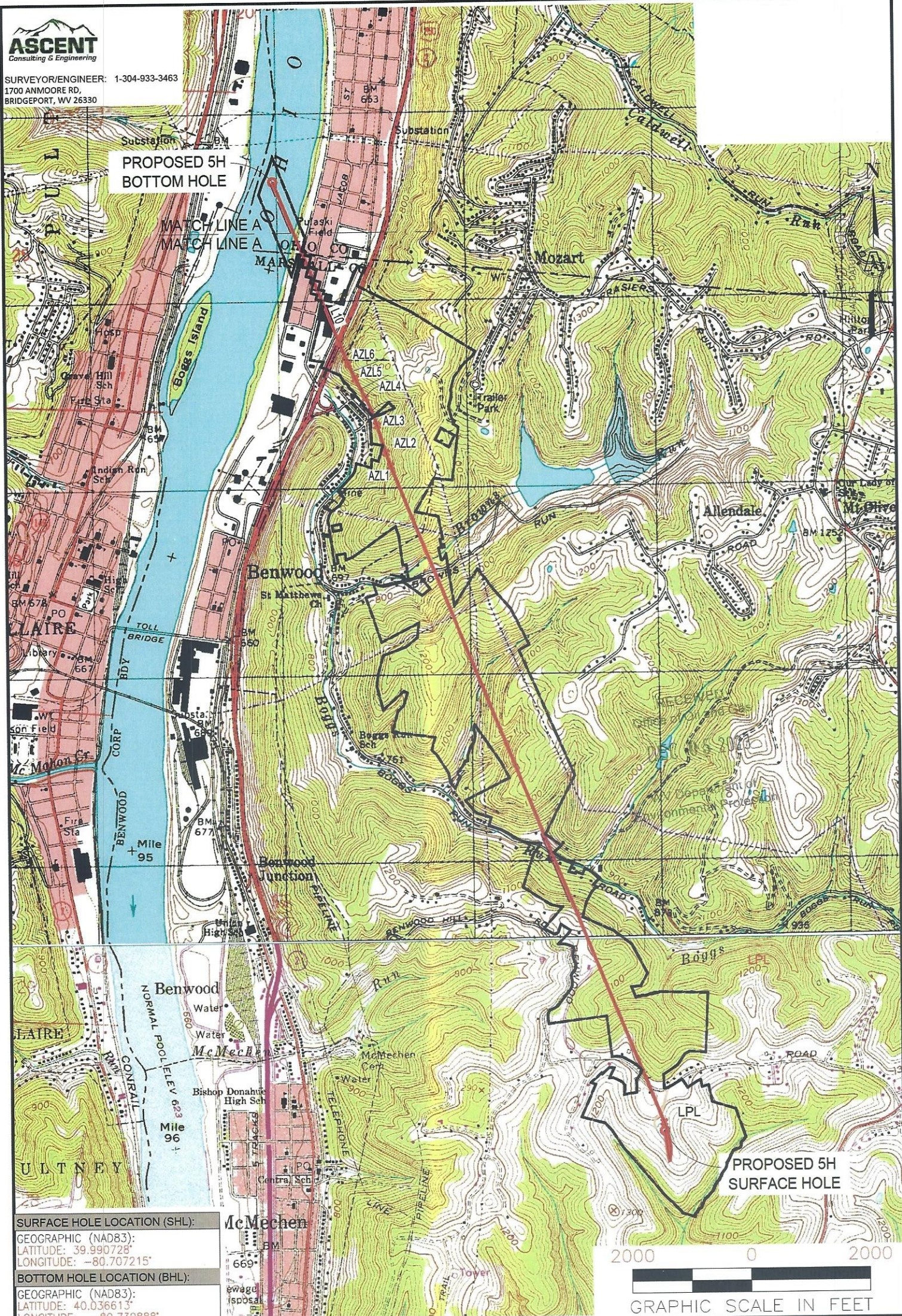




SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330



**SURFACE HOLE LOCATION (SHL):**  
 GEOGRAPHIC (NAD83):  
 LATITUDE: 39.990728'  
 LONGITUDE: -80.707215'  
**BOTTOM HOLE LOCATION (BHL):**  
 GEOGRAPHIC (NAD83):  
 LATITUDE: 40.036613'  
 LONGITUDE: -80.730888'

**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  
 FLOOD PLAN  
 PUBLIC ROAD  
 ACCESS ROAD TO PREV. SITE  
 LEASE BOUNDARY  
 PROPOSED PATH

12/22/2023

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: <b>SERAFIN ORTIZ MSH</b>	WELL # <b>5H</b>	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201	COUNTY - CODE MARSHALL - 51	DISTRICT; UNION	
SURFACE OWNER: FRANK J. & LORI A. LONGWELL	USGS 7 1/2 QUADRANGLE MAP NAME MOUNDSVILLE, WV		

LATITUDE: 40°00'00"

SURFACE HOLE 11,358'

LATITUDE: 40°02'30"

BOTTOM HOLE 6,314'



SURVEYOR/ENGINEER: 1-304-933-3463  
1700 ANMOORE RD,  
BRIDGEPORT, WV 26330

**SURFACE HOLE LOCATION (SHL):**

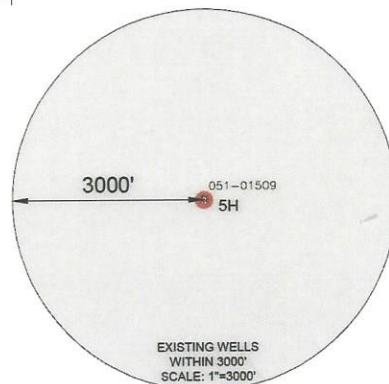
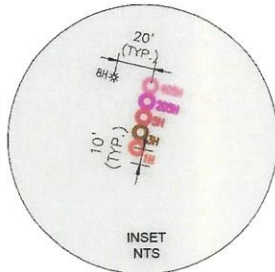
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,426,769.118  
EASTING: 524,995,416

**LANDING POINT (LPL):**

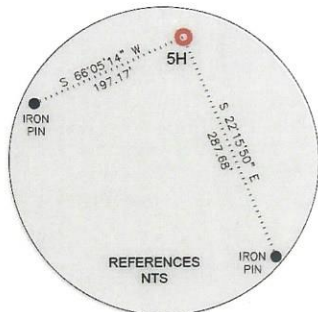
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,426,815.533  
EASTING: 524,991,539

**BOTTOM HOLE LOCATION (BHL):**

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,431,855.581  
EASTING: 522,959,073



LONGITUDE: 80°42'30" BOTTOM HOLE 1,840'  
LONGITUDE: 80°40'00" SURFACE HOLE 3,377'



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 28°25'31" W	319.14'	SHL TO MONUMENT	IRON ROD
L2	N 00°11'52" E	664.59'	SHL TO MONUMENT	IRON ROD

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 04°46'29" W	152.81'	1223.46'	SHL TO LPL
L4	N 21°57'43" W	1244.35'	1244.35'	LPL TO AZL1
L5	N 19°28'52" W	247.86'	247.92'	AZL1 TO AZL2
L6	N 17°00'01" W	499.74'	499.74'	AZL2 TO AZL3
L7	N 22°16'28" W	527.57'	528.27'	AZL3 TO AZL4
L8	N 27°33'05" W	384.24'	384.24'	AZL4 TO AZL5
L9	N 24°45'16" W	282.66'	282.65'	AZL5 TO AZL6
L10	N 21°57'43" W	3448.31'	3448.31'	AZL6 TO BHL

**WELL RESTRICTIONS**

1. NO 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. 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. TIES TO WELLS AND CORNERS ARE BASED ON UTM, NAD83 DATUM, ZONE 17, US FT.
2. WELL LAT./LONG ESTABLISHED BY DIRECT GPS NAD '83.
3. BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
4. SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF OHIO COUNTY IN OCTOBER OF 2021.
5. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

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.

*Michael R. Hyman* 10-31-2023

P.S. 983



COMPANY:



**STATE OF WEST VIRGINIA**  
MONTANI SEMPER LIBERI

(+) 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)

OPERATOR'S WELL #: SERAFIN ORTIZ MSH 5H

API WELL #: 47 STATE 51 COUNTY 02504 PERMIT

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

WATERSHED: UPPER OHIO-WHEELING ELEVATION: 1278.65

DISTRICT: UNION COUNTY: MARSHALL QUADRANGLE: MOUNDSVILLE 7.5', WV

SURFACE OWNER: FRANK J. & LORI A. LONGWELL ACREAGE: ±44.949

OIL & GAS ROYALTY OWNER: SERAFIN T. ORTIZ, AS TRUSTEE OF THE SERAFIN T. ORTIZ TRUST AGREEMENT DATED JULY 31, 1996 ACREAGE: ±44.949

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,294 TMD 24,576 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

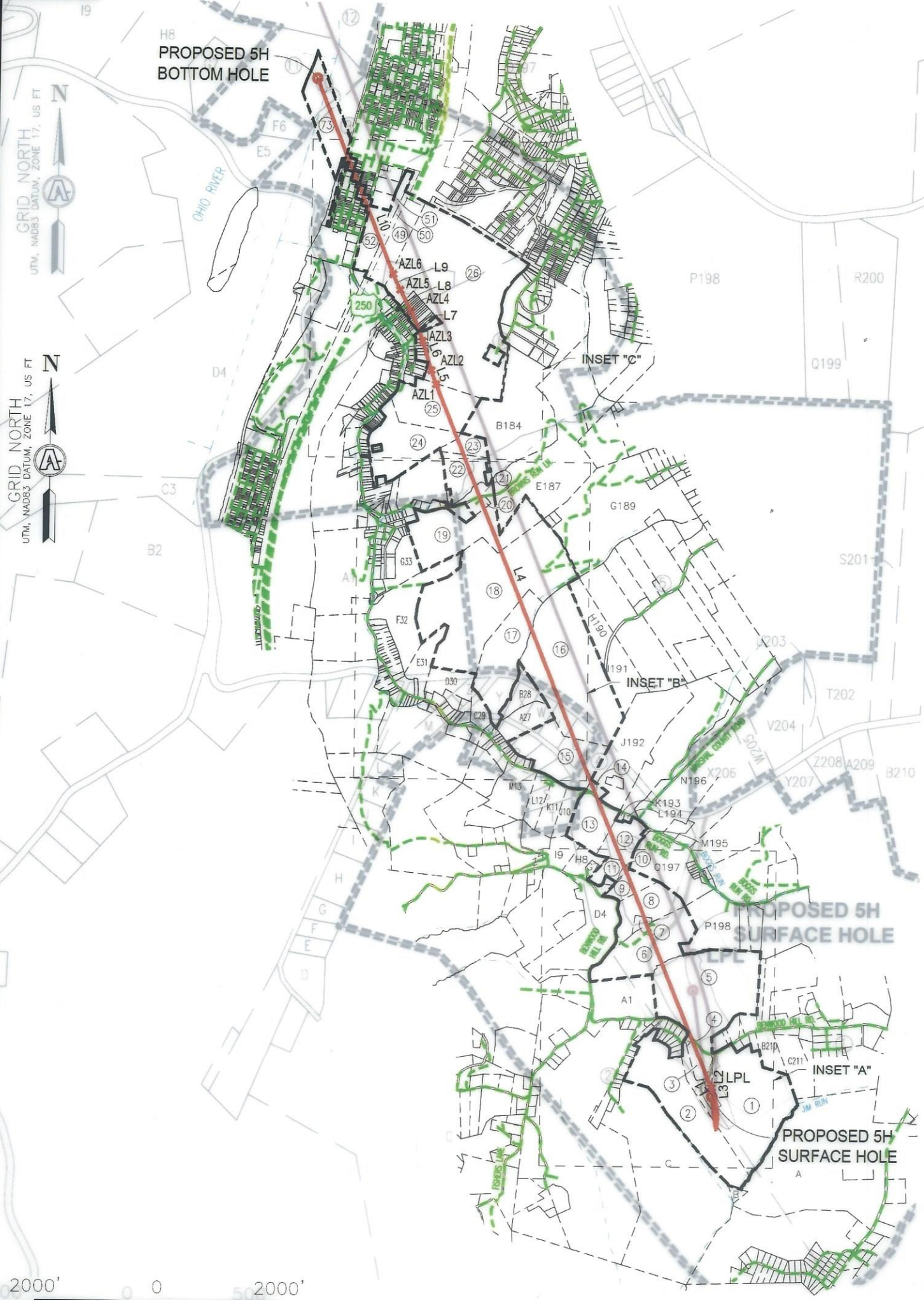
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:
PROPOSED SURFACE HOLE / BOTTOM HOLE	DATE: 10/31/2023
EXISTING / PRODUCING WELLHEAD	FILE NO:
SURVEYED BOUNDARY	DRAWN BY: TMF
DRILLING UNIT	SCALE: 1" = 2000'
LEASE BOUNDARY	DRAWING NO: ACE-3048
PROPOSED PATH	WELL LOCATION PLAT 1
EXISTING WATER WELL	
EXISTING SPRING	



SURVEYOR/ENGINEER: 11-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330



12/22/2023

REVISIONS: 4705102504

COMPANY:

**SWN**  
 Production Company, LLC

**SWN** *Service*  
 Production Company™

OPERATOR'S: SERAFIN ORTIZ MSH  
 WELL #: 5H

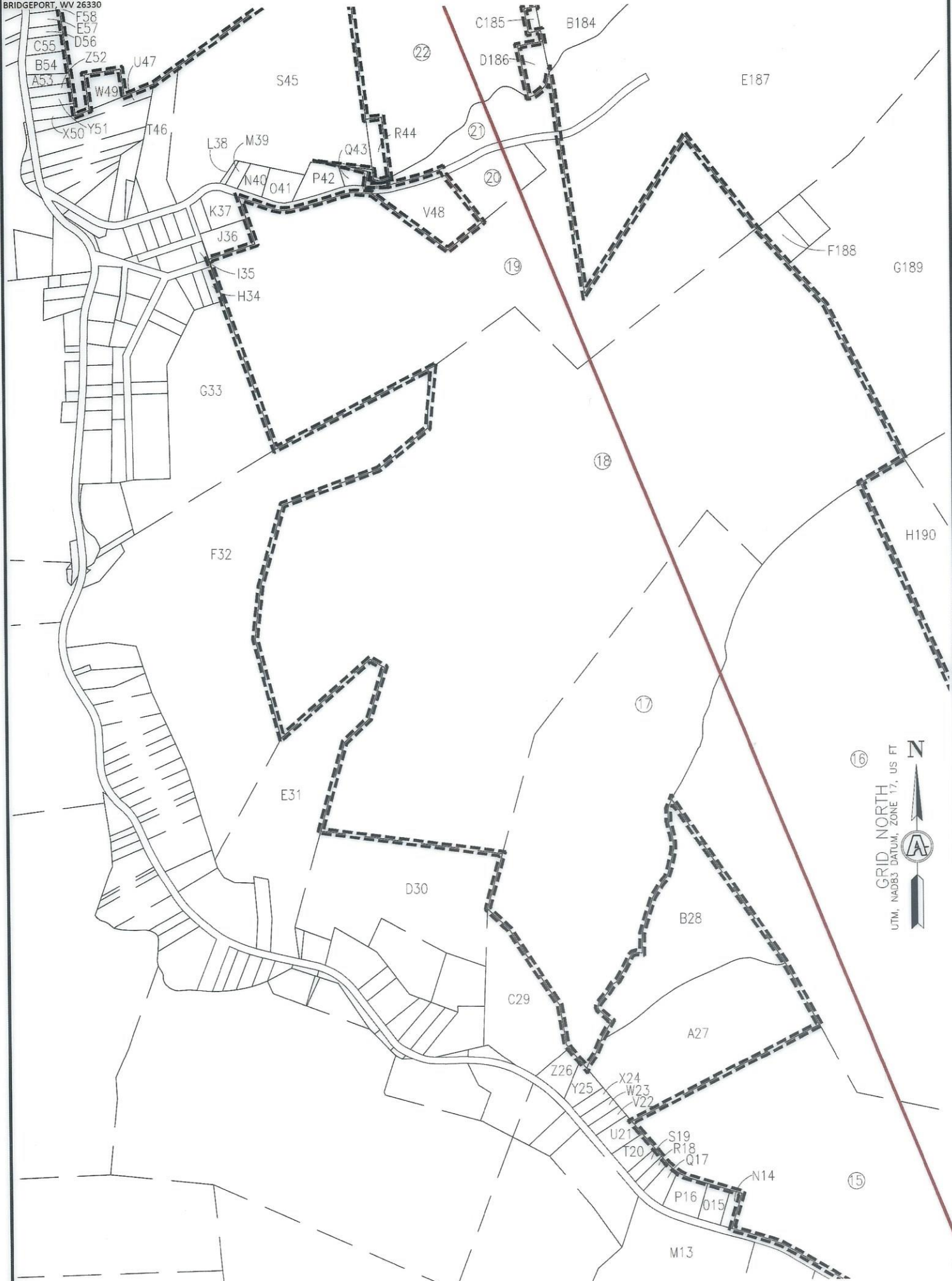
DATE: 10/31/2023

DISTRICT: UNION COUNTY: MARSHALL STATE: WV

DRAWN BY: TMF  
 SCALE: 1"=2000'  
 DRAWING NO: ACE-3048  
 WELL LOCATION PLAT 2



SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD.  
 BRIDGEPORT, WV 26330



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



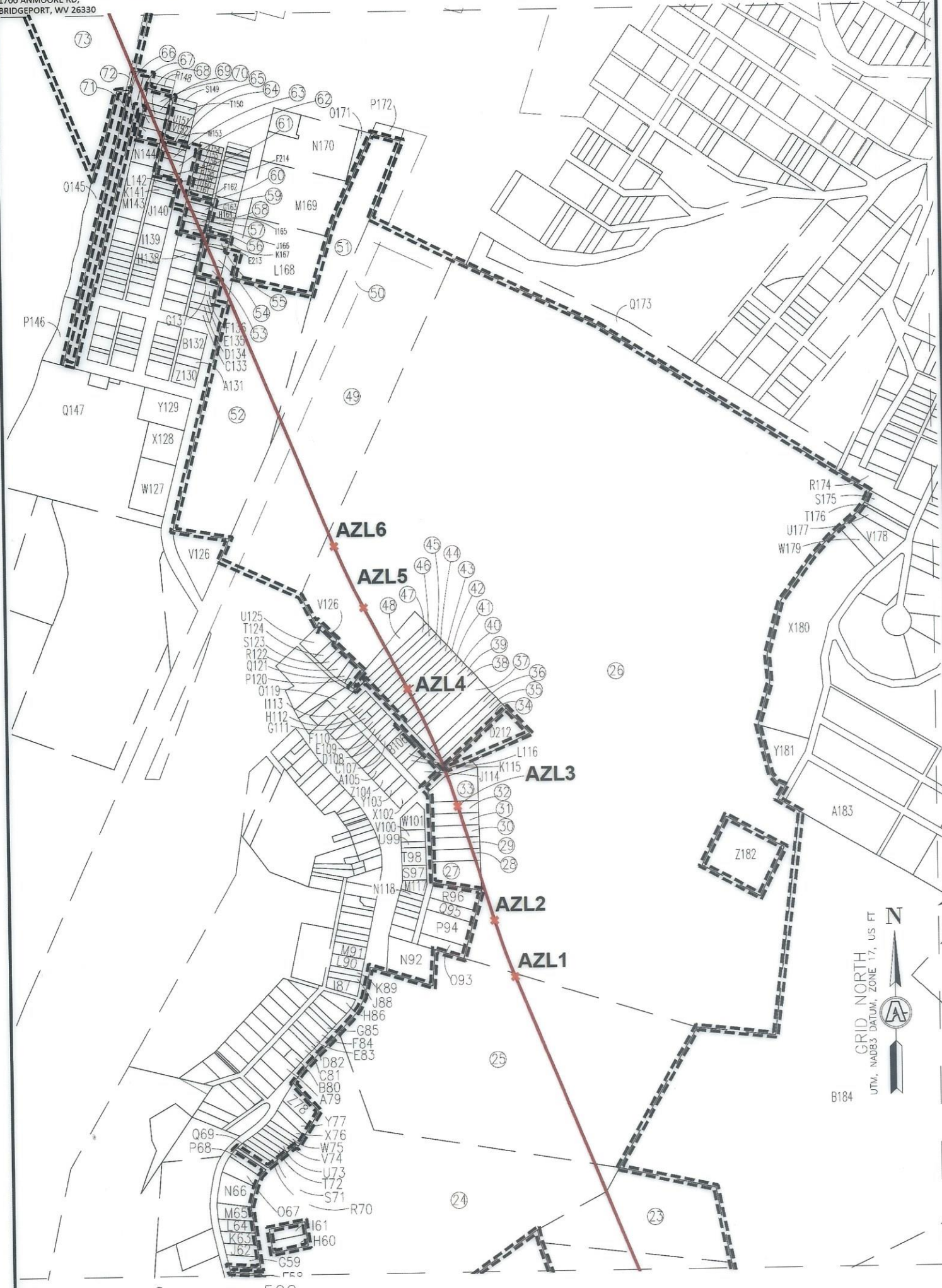
INSET "B"

12/22/2023

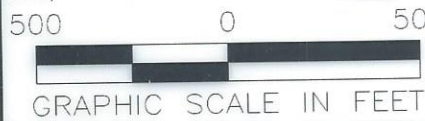
REVISIONS:    	COMPANY: 				
	OPERATOR'S <b>SERAFIN ORTIZ MSH</b>			DATE: 10/31/2023	
	WELL #: <b>5H</b>			DRAWN BY: TMF	
	DISTRICT: UNION		COUNTY: MARSHALL	STATE: WV	SCALE: 1"=500' DRAWING NO: ACE-3048 WELL LOCATION PLAT 4



SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330



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



INSET "C"

12/22/2023

REVISIONS:    	COMPANY: 		DATE: 10/31/2023 DRAWN BY: TMF SCALE: 1" = 500' DRAWING NO: ACE-3048 WELL LOCATION PLAT 5
	OPERATOR'S SERAFIN ORTIZ MSH		
	WELL #: 5H		
	DISTRICT: UNION	COUNTY: MARSHALL	



SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LONGWELL FRANK J & LORI A (S) SERAFIN T. ORTIZ, AS TRUSTEE OF THE SERAFIN T. ORTIZ TRUST AGREEMENT DATED JULY 31, 1996 (R)	13-6-49
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	HAUGHT GEORGE ET UX	13-6-51.1
3	WOODBURN SARA J & RICHARD A	13-6-49.2
4	HAUGHT GEORGE WILLIAM II & SHEILA A	13-6-49.3
5	VAN SCYOC PATRICK A & FAITH M	13-6-17
6	STEELE RICHARD P	13-6-14
7	FOSTER THOMAS M ET AL	13-5-38.1
8	HARMON DAVID L ET UX	13-5-38
9	STEVEY JORDAN M	13-5-39
10	STEVEY JORDAN M	13-5-39.4
11	HERCULES GRANT II	13-5-39.1
12	OHIO COUNTY COAL RESOURCES INC	13-5-34
13	OHIO COUNTY COAL RESOURCES INC	13-5-33.1
14	OHIO COUNTY COAL RESOURCES INC	13-5-32.2
15	OHIO COUNTY COAL RESOURCES INC	13-5-8
16	OHIO COUNTY COAL RESOURCES INC	13-5-9.1
17	OHIO COUNTY COAL RESOURCES INC	13-5-5
18	OHIO COUNTY COAL RESOURCES INC	13-5-2
19	OHIO COUNTY COAL RESOURCES INC	13-1-46
20	OHIO COUNTY COAL RESOURCES INC	13-1-46.2
21	OHIO COUNTY COAL RESOURCES INC	13-1-87
22	OHIO COUNTY COAL RESOURCES INC	13-1-42
23	OHIO COUNTY COAL RESOURCES INC	13-1-42.1
24	OHIO COUNTY COAL RESOURCES INC	1-5-1
25	MORRIS CLARA BEUCKE EST	1-3-20
26	MARKOWICZ JOHN F JR ET AL	13-1-1.3
27	BLAKELY JOSEPH	1-3-67
28	BLAKELY JOSEPH	1-3-17
29	BLAKELY JOSEPH	1-3-16
30	GUTHRIE ANDREW L & HERCULES NATASHA C	1-3-15
31	JAMES TIMOTHY M	1-3-14
32	DAVIS BAILEY JR & TORRIE DEBENI	1-3-13

TRACT	SURFACE OWNER (S)	TAX PARCEL
33	BRAYEC DAVID M	1-3-12
34	NICE DAVID C	1-3-9
35	NICE DAVID C	1-3-8
36	NICE DAVID C	1-3-7
37	DEGARMO LINSEY E ET UX	1-3-6
38	DEGARMO LINSEY E ET UX	1-3-5
39	BIRKHIMER JERRY A & SUNNY R	1-3-4
40	BIRKHIMER JERRY A & SUNNY R	1-3-3
41	BIRKHIMER JERRY A & SUNNY R	1-3-2
42	BIRKHIMER JERRY A & SUNNY R	1-3-1.6
43	BIRKHIMER JERRY A & SUNNY R	1-3-1.5
44	BIRKHIMER JERRY A & SUNNY R	1-3-1.4
45	BIRKHIMER JERRY A & SUNNY R	1-3-1.3
46	BIRKHIMER JERRY A & SUNNY R	1-3-1.2
47	WILLIAMS PATRICIA J	1-3-1.1
48	WILLIAMS PATRICIA J	1-3-1
49	W VA DEPT OF HIGHWAYS	U.S. 250
50	CSX TRANSPORTATION INC	RAILROAD
51	BAM LLC	1-2-160
52	FERNS MICHAEL D SR & LINDA K	1-2-156.1
53	JBW SUPPLY LLC	1-2-48
54	JOHNSON BOILER WORKS INC	1-2-49
55	JOHNSON BOILER WORKS INC	1-2-50
56	OHIO VALLEY RECOVERY INC	1-2-89
57	SCHAFAER ANN H	1-2-88
58	SCHAFAER ANN H	1-2-87
59	GLENZ ALICE JEAN	1-2-86
60	SENCEWALT RONALD S ET UX	1-2-85
61	BARANSKI PHILIP W	1-2-122
62	ROSE ROBERT G & KAREN S	1-2-123
63	ROSE ROBERT G & KAREN S	1-2-124
64	KURI JOHN & LINDA	1-2-125
65	WILEY CORNELEUS JR & PEGGY	1-2-126
66	ALBUS CHARLES W ET UX	1-2-136
67	ALBUS CHARLES W ET AL	1-2-135
68	VILKOSKI ZACHARY J	1-2-134
69	VILKOSKI ZACHARY J	1-2-133
70	PELHAM BEVERLY A	1-2-132
71	BELLAIRE HARBOR SERVICE LLC	1-2-162
72	BIEGA EDWARD ESTATE	10-W88-370
73	STATE OF WEST VIRGINIA	OHIO RIVER

12/22/2023

REVISIONS:	COMPANY:			
	OPERATOR'S		SERAFIN ORTIZ MSH	
	WELL #:		5H	
	DISTRICT:	COUNTY:	STATE:	DATE:
UNION	MARSHALL	WV	10/31/2023	
			DRAWN BY:	TMF
			SCALE:	N/A
			DRAWING NO:	ACE-3048
			WELL LOCATION:	PLAT 6





SURVEYOR/ENGINEER: 1-304-933-3463  
1700 ANMOORE RD,  
BRIDGEPORT, WV 26330

TRACT	SURFACE OWNER	TAX PARCEL
Q95	PASQUINO RALPH P JR & PATRICIA A	1-3-18
R96	SCHLOSSER CHARLES I & NANCY A	1-3-66
S97	WATKINS JOHN - TOD	1-3-28
T98	MILLHOUSE RICHARD & VIRGINIA	1-3-29
U99	BLAKELY JOSEPH	1-3-30
V100	CUDA PROPERTIES LLC	1-3-31
W101	BANFIELD DAVID W & CHERYL A	1-3-32
X102	ORUM JAMES R	1-3-33
Y103	HARBATAK MICHELLE	1-3-34
Z104	WARD GARRY L	1-3-35
A105	TELLITOCCHI JOSEPH JR ET UX	1-3-36
B106	ROSE ROBERT M & SHARON L RICHARDSON	1-3-47
C107	VESSELS CARLA M	1-3-48
D108	R & W HOLDINGS LLC	1-3-49
E109	VESSELS CARLA M	1-3-50
F110	KUTROVAC GEORGE N	1-3-51
G111	LIDDLE JOSEPH E ET UX	1-3-53
H112	ANTILL KAREN BULLARD & RENEE	1-3-54
I113	ANTILL KAREN SUE	1-3-55
J114	CANESTRARO CHARLOTTE J & JOSEPH R	1-3-44
K115	WEST VIRGINIA STATE OF	1-3-45
L116	ROSE ROBERT M & SHARON L RICHARDSON	1-3-46
M117	MATTHEWS JAMES A III	1-3-27
N118	UNKNOWN	
O119	AUTH LARRY GEORGE	1-3-63
P120	CALDWELL ALEXANDER	1-3-56
Q121	CALDWELL ALEXANDER	1-3-57
R122	CALDWELL ALEXANDER	1-3-57.1
S123	RICHMOND BRENDA L	1-3-58
T124	POGGI JAMES & CRYSTAL	1-3-59
U125	POGGI JAMES & CRYSTAL L	1-3-60
V126	ZACCHEUS PROPERTIES LLC - 2009	1-3-59.1
W127	ARC DBPPROP001 LLC	1-2-155.3
X128	WALGREEN CO	1-2-155.5
Y129	247 HIMROD STREET LLC	1-2-155.4
Z130	VISNIC GARY G ET UX	1-2-40
A131	VISNIC GARY G OR TAMMY E	1-2-41
B132	FERNS INVESTMENTS LLC	1-2-42
C133	YEAGER MICHAEL P	1-2-43
D134	PORCH THOMAS A ET AL	1-2-44
E135	BENWOOD CITY OF	1-2-45
F136	JOHNSON BOILER WORKS INC	1-2-46
G137	JBW SUPPLY LLC	1-2-47
H138	JOHNSON BOILER WORKS INC	1-2-91
I139	YATES ROSE E	1-2-117
J140	YATES ROSE E	1-2-118
K141	MEADE JAMES R ET UX	1-2-119
L142	SCARBERRY SAMUEL L	1-2-120
M143	YATES ROSE E	1-2-138
N144	IOLA CLUB INC	1-2-137
O145	BELLAIRE HARBOR SERVICE LLC	1-2-164
P146	BELLAIRE HARBOR SERVICE LLC	1-2-159
Q147	ZEMEX FABI BENWOOD LLC	1-2-155
R148	KAUFMAN SCOTT A - TOD	10-W88-26
S149	YARNEVIC EDWARD F & KIM N	1-2-131
T150	LINABARGER VIRGINIA LEE	1-2-130
U151	SZYMIALIS CARMELLA ET AL	1-2-129
V152	HUYNH HAI ET AL	1-2-128
W153	WOODFORD JODY L	1-2-127
X154	JOHNSTON MARIGENE ETAL	1-2-76
Y155	THOMPSON BRANDON C	1-2-77
Z156	STARKEY RUSSELL P	1-2-78

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING

TRACT	SURFACE OWNER	TAX PARCEL
A157	WINESBURG NANCY & JAMES	1-2-79
B158	OLSON JACQUELINE R - LIFE	1-2-80
C159	FEDERAL HOME LOAN MORTGAGE CORP	1-2-81
D160	TOM 5 LLC	1-2-82
E161	KUCA ELAINE R	1-2-83
F162	NYOMO RICHARD J ET UX	1-2-84
G163	JBW SUPPLY LLC	1-2-54
H164	JBW SUPPLY LLC	1-2-53
I165	JBW SUPPLY LLC	1-2-52.1
J166	JBW SUPPLY LLC	1-2-52
K167	JOHNSON BOILER WORKS INC	1-2-51
L168	BT-NEWYO LLC	1-2-157.2
M169	BENWOOD CITY OF	1-2-157.1
N170	ACQUISITIONS LLC	1-2-157
O171	BAM LLC	1-2-157.3
P172	BENWOOD CITY OF	1-2-163
Q173	MARKOWICZ JOHN F JR ET AL	13-1A-1
R174	FALES CHRISTOPHER J & JOLYN Y	13-1A-71
S175	HUGUS DARLENE J	13-1C-38
T176	HUGUS DARLENE J	13-1C-39
U177	ANDERSON AMANDA	13-1C-40
V178	STUBBS MEREDITH & PAUL	13-1C-41
W179	STUBBS MEREDITH & PAUL	13-1C-42
X180	MARKOWICZ JOHN F JR ET AL	13-1-1.3
Y181	SCOTT IRENE R	13-1C-48
Z182	MESSHAM ROWAN L & DEBORAH S	13-1-1
A183	MARKOWICZ JOHN JR ET UX	13-1-1.2
B184	OHIO COUNTY COAL RESOURCES INC	13-1-1.1
C185	TOMASSO RAYMOND R & PEGGY A REVOCABLE TRUST AGREEMENT	13-1-41
D186	TOMASSO RAYMOND R & PEGGY A REVOCABLE TRUST AGREEMENT	13-1-40
E187	OHIO COUNTY COAL RESOURCES INC	13-1-2
F188	OHIO COUNTY COAL RESOURCES INC	13-1-47
G189	OHIO COUNTY COAL RESOURCES INC	13-1-49
H190	OHIO COUNTY COAL RESOURCES INC	13-5-9.2
I191	OHIO COUNTY COAL RESOURCES INC	13-5-9
J192	OHIO COUNTY COAL RESOURCES INC	13-5-32.1
K193	OHIO COUNTY COAL RESOURCES INC	13-5-34.2
L194	OHIO COUNTY COAL RESOURCES INC	13-5-34.3
M195	OHIO COUNTY COAL RESOURCES INC	13-5-34.1
N196	OHIO COUNTY COAL RESOURCES INC	13-5-30
O197	OHIO COUNTY COAL RESOURCES INC	13-5-35
P198	WOOD JOHN W ET UX	13-6-16
Q199	LOMBARD DENISE L	13-6-16.1
R200	LOMBARD DENISE L	13-6-24
S201	SCHERICH LEIGH ANN & SETH ANTHONY RENZELLA	13-6-23.17
T202	RITCHIE TIFFANY R & JOSEPH M NELSON	13-6-22
U203	DEFIBAUGH RONALD L	13-6-21
V204	HUTCHISON JAMES A & HOLLY M	13-6-20
W205	TOLER MARGARET - LIFE	13-6-19
X206	WILT VINCENT E	13-6-18
Y207	NIXON MADISON M	13-6-49.1
Z208	NIXON MADISON M	13-6-48
A209	VANDYNE ZACHARY D	13-6-47
B210	CRALL MICHAEL D & LISA DAWN	13-6-46
C211	O'NEAL CYNTHIA	13-6-45
D212	NICE DAVID C & ELEANOR R	1-3-10
E213	OHIO VALLEY RECOVERY INC	1-2-90
F214	MORRIS JERRY J & NANCY L & CRAWFORD BEVERLY ELAINE	1-2-121

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING

12/22/2023

REVISIONS:	COMPANY:			DATE: 10/31/2023
	OPERATOR'S	SERAFIN ORTIZ MSH		DRAWN BY: TMF
	WELL #:	5H		SCALE: N/A
	DISTRICT:	COUNTY:	STATE:	DRAWING NO: ACE-3048
	UNION	MARSHALL	WV	WELL LOCATION PLAT 8