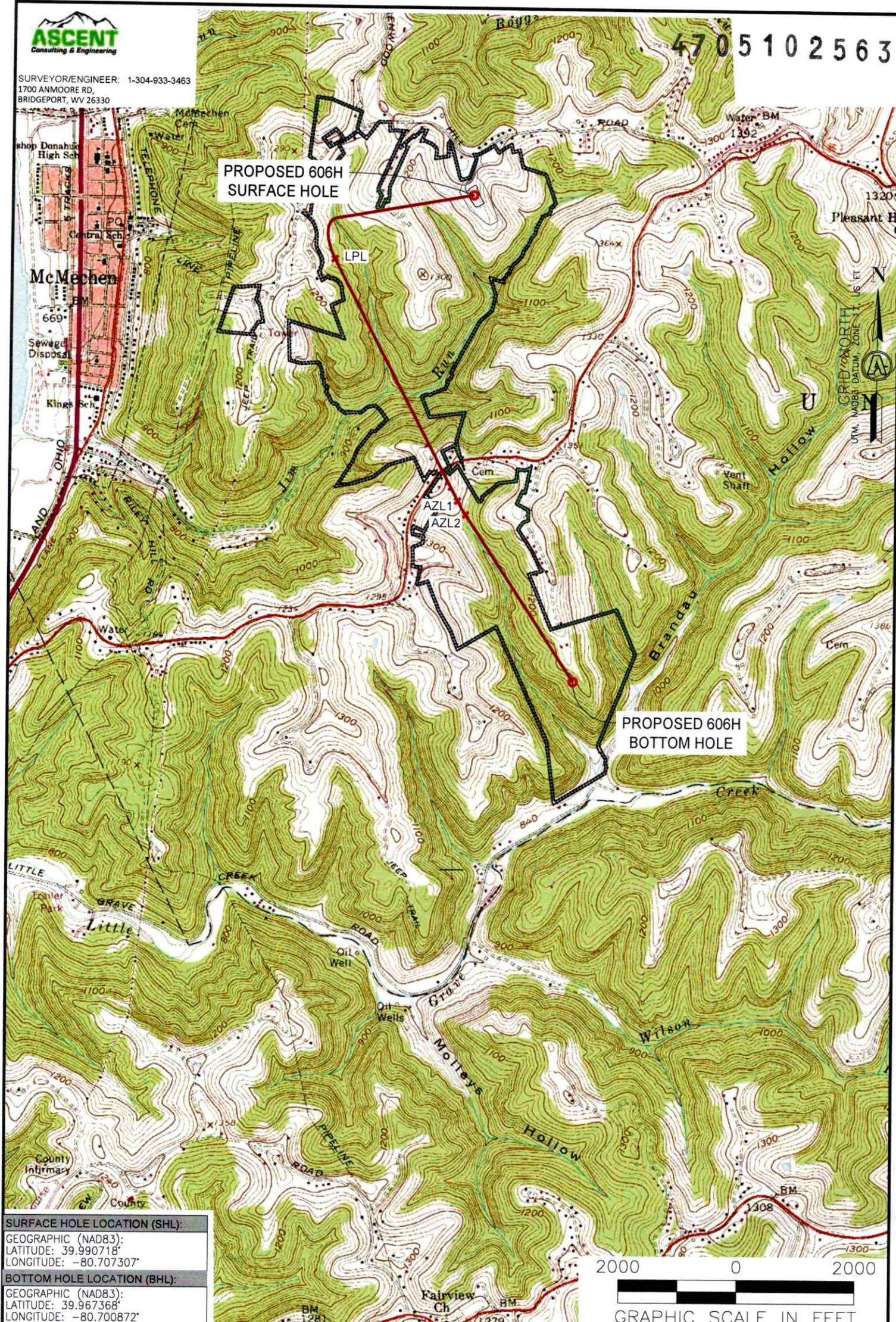


4705102563



SURFACE HOLE LOCATION (SHL):

GEOGRAPHIC (NAD83):

LATITUDE: 39.990718°
LONGITUDE: -80.707307°

LONGITUDE: -80.707307

BOTTOM HOLE LOCATION (BHL):

GEOGRAPHIC (NAD83):
LATITUDE: 39.967368°

LONGITUDE: -80.700872°

NOTES ON SURVEY

- 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.

WELL OPERATOR:
EXPAND OPERATING, LLC

ADDRESS:
1300 FORT PIERPONT DRIVE, SUITE 201

SURFACE OWNER:
FRANK J. & LORI A. LONGWELL

LEGEND:

-  PROPOSED SURFACE HOLE / BOTTOM HOLE
 EXISTING / PRODUCING WELLHEAD

 FLOOD PLAIN

10/24/2023

— ACCESS ROAD
- - - PUBLIC ROAD
— ACCESS ROAD TO PREV. SITE
= = = LEASE BOUNDARY
— PROPOSED PATH

WELL (FARM) NAME: SERAFIN ORTIZ MSH

WELL #	SERIAL #
606H	XXXX

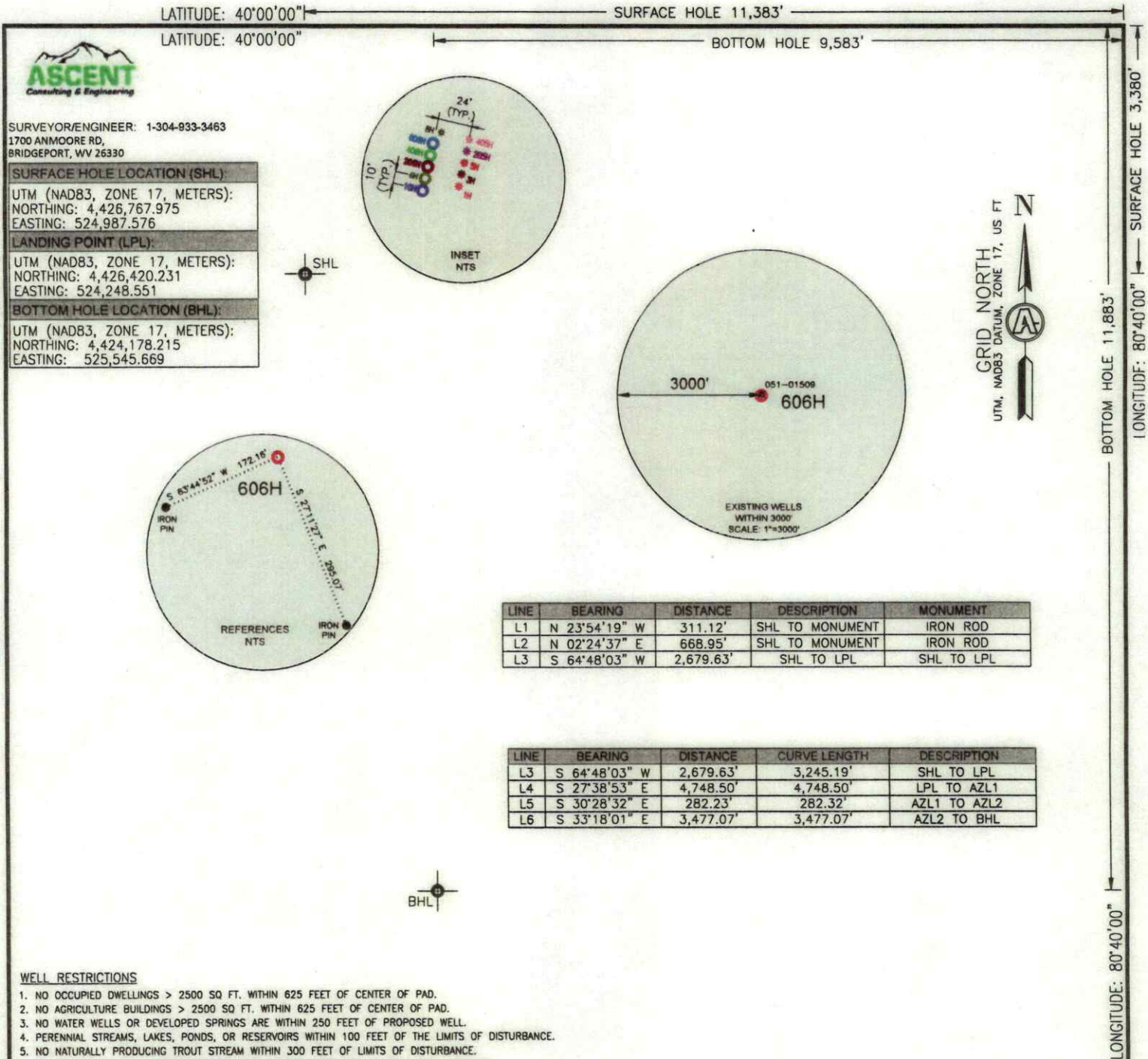
COUNTY	- CODE
MARSHALL	- 51

DISTRICT;
UNION

USGS 7 1/2 QUADRANGLE MAP NAME
MOUNDSVILLE, WV

S:\PROJECTS 3001-3250\PROJECT 3048 SWN-SERAFIN ORTIZ PAD EXPANSION AND STAGING\SURVEY\DWGS_WELL PLATS\606H\3048-EXPAND-SERAFIN ORTIZ 606H.DWG
THURSDAY JUNE 12 2025 09:29AM

PROPERTY # 675869
PAD ID 3001155809



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.

P.S. 983

06-12-2025



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

SERAFIN ORTIZ MSH
OPERATOR'S WELL #: 606H
API WELL #: 47 51 02563
STATE COUNTY PERMIT

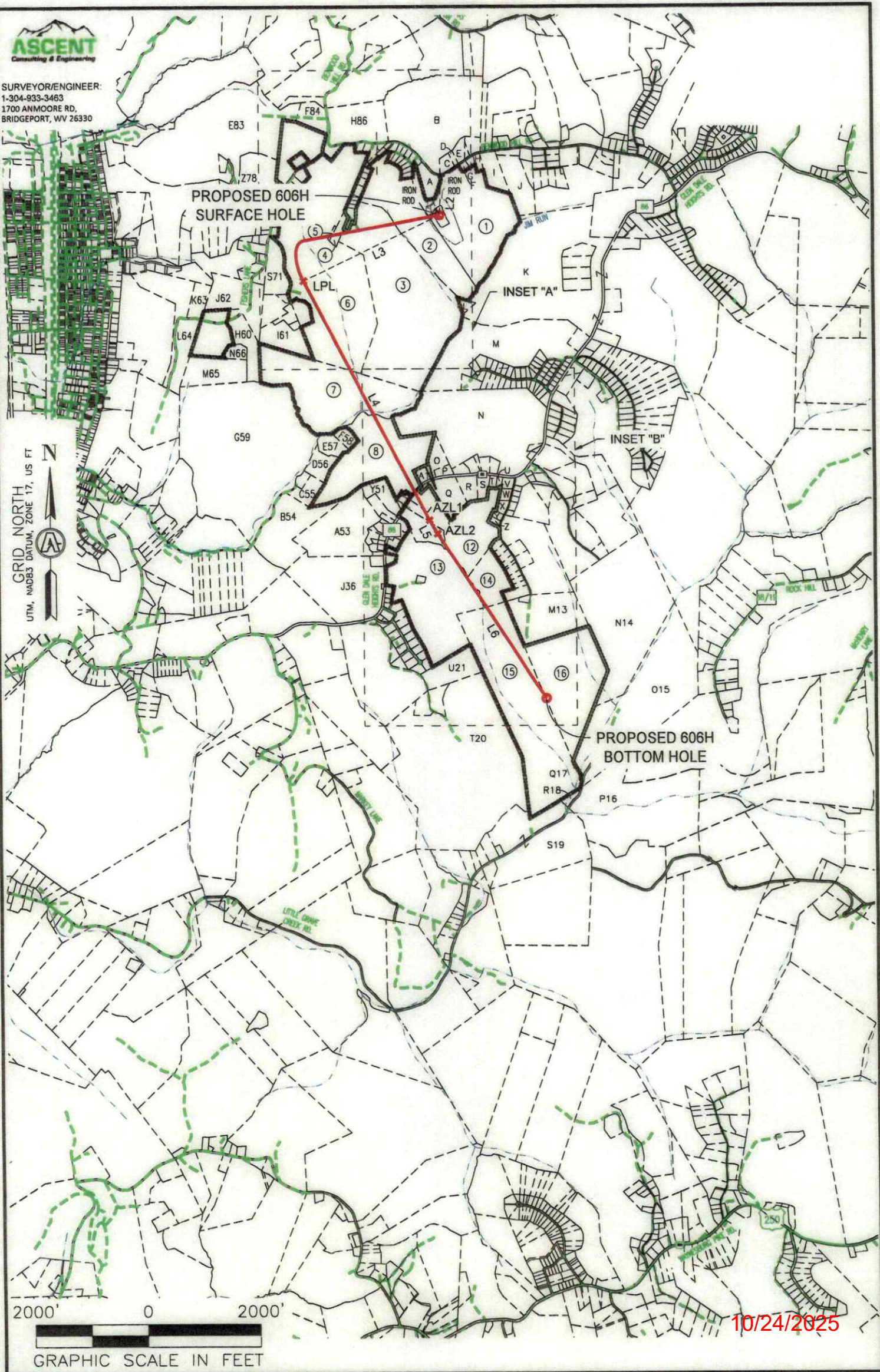
WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☐ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☒
WATERSHED: UPPER OHIO-WHEELING ELEVATION: 1,279'
DISTRICT: UNION COUNTY: MARSHALL QUADRANGLE: MOUNDSVILLE 7.5', WV
SURFACE OWNER: FRANK J. & LORI A. LONGWELL ACREAGE: ±44.949
OIL & GAS ROYALTY OWNER: SERAFIN 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: 6,366 TVD 15,832 TMD

WELL OPERATOR: EXPAND OPERATING, 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: PROPOSED SURFACE HOLE / BOTTOM HOLE
 EXISTING / PRODUCING WELLHEAD
 EXISTING WATER WELL
 EXISTING SPRING
 SURVEYED BOUNDARY
 DRILLING UNIT
 LEASE BOUNDARY
 PROPOSED PATH
REVISIONS:
DATE: 06-12-2025
FILE NO:
DRAWN BY: TMF
SCALE: 1" = 2000'
DRAWING NO: 3048
WELL LOCATION PLAT 1

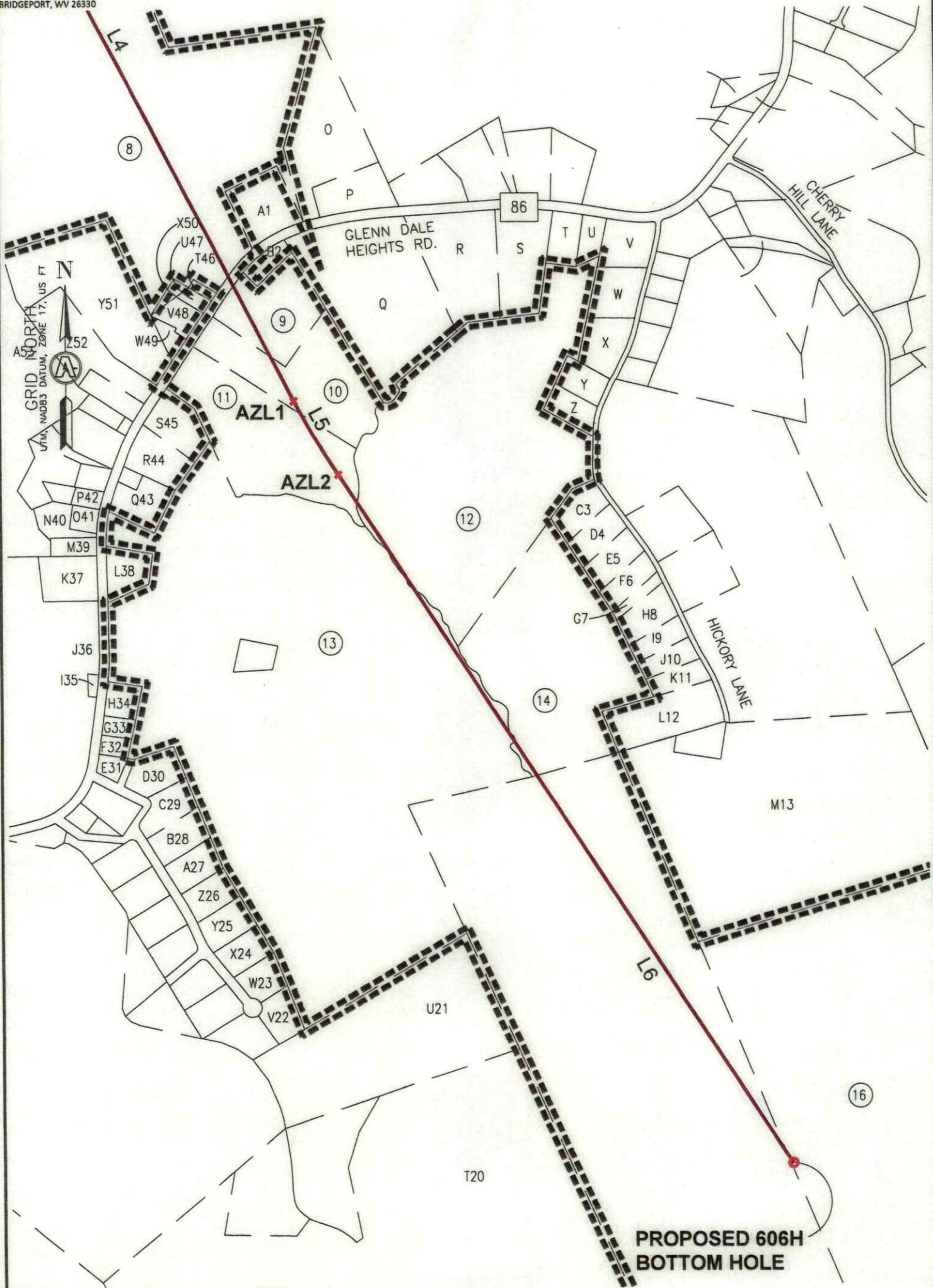


SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330





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



PROPOSED 606H
BOTTOM HOLE

10/24/2025

INSET "B"

REVISIONS:			COMPANY:		
			OPERATOR'S		
			SERAFIN ORTIZ MSH		
			DATE: 06-12-2025		
			WELL #:		
			606H		
			DRAWN BY: TMF		
			SCALE: 1"=500'		
			DRAWING NO: 3048		
			WELL LOCATION PLAT 3		
DISTRICT:			COUNTY:		
UNION			MARSHALL		
			STATE:		
			WV		



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	LIPINSKI ERIC R & LORIE A	13-6-51
4	VANSCYOC ARMOND RAY JR	13-6B-32
5	VANSCYOC ARMOND RAY JR	13-6-53.2
6	FISHER EARL M ET AL	13-6-53
7	JONES MICHAEL BRENT	13-6-55
8	OTTE MARK D ET UX	13-11-22
9	DRUSCHEL LOIS I	13-11-51
10	KING KEVIN L & CHRISTINE M	13-11-50
11	CLUTTER GERALD C ET UX	13-11-53
12	RICHMOND THOMAS O & BRENDA J	13-11-47
13	LOGSDON BOBBI S & LEVI	13-11-46
14	COCHRAN JAMES P SR EST	13-11-44.3
15	CATO MICHAEL S ET UX	13-12-39

10/24/2025

REVISIONS:	COMPANY:			
	OPERATOR'S			DATE: 06-12-2025
	WELL #:			DRAWN BY: TMF
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	UNION	MARSHALL	WV	DRAWING NO: 3048
				WELL LOCATION PLAT 7



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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	SWN PRODUCTION COMPANY LLC	13-6-49.2
B	VAN SCYOC PATRICK A & FAITH M	13-6-17
C	WILT VINCENT E	13-6-18
D	TOLER MARGARET - LIFE	13-6-19
E	HUTCHISON JAMES A & HOLLY M	13-6-20
F	NIXON MADISON M	13-6-49.1
G	NIXON MADISON M	13-6-48
H	VANDYNE ZACHARY D	13-6-47
I	CRALL MICHAEL D & LISA DAWN	13-6-46
J	O'NEAL CYNTHIA	13-6-45
K	COOK DAVID J & ALICE M - TOD	13-6-50
L	HAUGHT GEORGE ET UX	13-6-50.1
M	DEFIBAUGH RONALD L & SANDRA	13-11-27.1
N	STEPHENS JAMES J & JAMES DANIEL	13-11-25
O	TERRY PATRICIA EST	13-11-22.7
P	TERRY PATRICIA EST	13-11-23
Q	VARGO RICHARD H	13-11-50.2
R	DEWITT EDWARD C & CHRISTINE M VARNER	13-11-49
S	REDD MAVERENE L - LIFE	13-11-48
T	CALDWELL ALBERT L ET UX	13-11-47.1
U	CALDWELL ALBERT L ET UX	13-11-47.2
V	RICHMOND TIMOTHY A & TERESA L	13-11-39
W	STEPHENS JOSEPH B	13-11-40
X	STEPHENS JOSEPH B	13-11-41
Y	RICHMOND GLEN O	13-11-47.3
Z	RICHMOND THOMAS O & BRENDA J	13-11-47.4
A1	HAWK WILLIAM J & KATHLEEN 99% JENNIFER L GEMENSKY 1%	13-11-22.2
B2	HAWK KATHLEEN B & WILLIAM J	13-11-50.1
C3	RICHMOND THOMAS O & BRENDA J	13-11B-1
D4	HUFFMAN MARK E ET UX	13-11B-2
E5	EATON DANIEL	13-11B-3
F6	RIDING GEORGE D ET UX - TOD	13-11B-4
G7	RIDING GEORGE D ET UX - TOD	13-11B-5
H8	BERNHARD JACQUELINE & DANIEL SOLECKI	13-11B-6
I9	COCHRAN JAMES P SR EST	13-11B-7
J10	COCHRAN JAMES P SR EST	13-11B-8
K11	COCHRAN JAMES P SR EST	13-11B-9
L12	KINKES RICHARD L & M TERESA	13-11-45
M13	BAKER ELDON W	13-12-40.1
N14	LONGWELL FRANK & LORI	13-10-1
O15	DOBBS JULIE A	13-13-1
P16	DOLGOVSKIJ MICHELE	13-13-3
Q17	CATO MICHAEL & SHELLY	13-13-1.1
R18	SCHULTZ TIMOTHY E & CHARLA A	13-13-2
S19	BLAZER MICHAEL C ET UX	13-12-41
T20	FECAT GABRIEL A & ASHLEY V	13-12-36
U21	RENZELLA NICHOLAS S JR & BARBARA A	13-12-38
V22	BARBOUR DEIDRE L	13-11D-8
W23	MCCASLAND CAYCE & CHARLES J JR	13-11D-7
X24	SHIMP LINDA SUE - TRUSTEE	13-11D-6
Y25	JOLTES ROBERT A & VIVIAN A	13-11D-5
Z26	HARTLE JAMES W	13-11D-4
A27	KURELAC PATRICIA J	13-11D-3
B28	SHIMP MALCOLM & BEVERLY - TOD SHIMP VINCENT L & LINDA S	13-11D-2
C29	SHIMP MALCOLM M ET UX - TOD	13-11D-1
D30	RICHTER DALE - TOD	13-11-60.3
E31	MCKOWN JOSEPH P	13-11-59
F32	MAYFIELD CHARLES J EST ET AL	13-11-58
*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.		

10/24/2025

REVISIONS:	COMPANY:		
	OPERATOR'S	SERAFIN ORTIZ MSH	DATE: 06-12-2025
	WELL #:	606H	DRAWN BY: TMF
	DISTRICT:	COUNTY:	STATE:
	UNION	MARSHALL	WV
			SCALE: N/A
			DRAWING NO: 3048
			WELL LOCATION PLAT 7



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

TRACT	SURFACE OWNER	TAX PARCEL
G33	MAYFIELD CHARLES J EST ET AL	13-11-60.1
H34	HOWARD BRADLEY K & MARY	13-11-60.2
I35	SHOOK JERRY L	13-11-61.2
J36	LOGSDON BOBBI S	13-11-61.1
K37	ZINN MALLORY ANNE	13-11-57
L38	SHOOK JERRY L & ANN B	13-11-46.2
M39	PACK TYLER M	13-11-16
N40	KISNER CHERYL	13-11-15.7
O41	KISNER CHERYL	13-11-17
P42	SCHULTZ CHARLES HENRY EST	13-11-18
Q43	LEWIS SCOTTIE L & HEATHER A	13-11-56
R44	CLUTTER RONALD A	13-11-55
S45	CLUTTER RONALD A	13-11-54
T46	LIGHTNER JASON	13-11-22.6
U47	LIGHTNER JASON	13-11-22.4
V48	LIGHTNER JASON	13-11-22.3
W49	LIGHTNER JASON	13-11-22.1
X50	LIGHTNER JASON	13-11-22.5
Y51	KINKES RICHARD L	13-11-21
Z52	KINKES RICK & TERESA	13-11-20
A53	LOGSDON BOBBI S	13-11-15.5
B54	MARSHALL LAND LLC	13-11-9
C55	HELMS JAMES E - LIFE	13-11-14
D56	UNKNOWN	13-11-12
E57	HERCULES RICHARD W	13-11-11
F58	KELLY MARY MARGARET POWELL	13-11-11.1
G59	FISHER MARTIN HRS	13-11-10
H60	CHAVANAK PAUL FRED ET UX	13-6-55.7
I61	HENDERSON JOSEPH E	13-6-54
J62	CHAVANAK ROBERT A & RANDI J ET AL	13-6-55.6
K63	CHAVANAK SAMUEL C	13-6-56.2
L64	LOY STEPHEN G	13-6-56
M65	LOY MARTA JAN	13-6-55.4
N66	GLOBAL SIGNAL ACQUISITIONS IV LLC	13-6-55.8
O67	STEVEY LARRY J ET UX	13-6-54.2
P68	QUIGLEY DAVID L & KELLY J	13-6-53.14
Q69	STEVEY LARRY J ET UX	13-6-54.1
R70	GEORGE PAUL M & MEGAN	13-6-54.3
S71	POLING WENDY LEE	13-6-53.9
T72	RODAK MICHAEL J & LADEAN A	13-6-53.5
U73	LOY MARTA J	13-6-53.6
V74	THOMAS TERRENCE M & BRENDA	13-6-53.11
W75	MARTIN EDWARD B	13-6-73.4
X76	ARMOUR DAVID A	13-6-76
Y77	BOZENSKE JEFFREY T & JESSICA L	13-6-53.7
Z78	MINOR CHARLES D & LISA M	13-6-69.3
A79	RICE MARK G ET UX	13-6-53.12
B80	BARRY DAVID E & CHRISTY A	13-6-53.3
C81	HOLMES CHERYL ANN	13-6-53.13
D82	COFFIELD JEFFERY & CRYSTAL	13-6-53.15
E83	MINOR THOMAS C - TOD	13-6-69
F84	FISHER DANIEL	13-6-12
G85	HOLMES CHERYL ANN	13-6-53.1
H86	STEELE BRIAN	13-6-13
I87	YAQUINTA JOHN	13-6-53.8
J88	YAQUINTA JOHN	13-6-53.4
K89	COOK BRIAN CO COOK BRIAN & KARISA	13-6-53.10
L90	RICH JOSEPH ET UX ESTS	13-6B-22
M91	SNYDER ANDREW C JR REVOCABLE LIVING TRUST	13-6B-22.1
*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.		

10/24/2025

REVISIONS:

COMPANY:



OPERATOR'S

SERAFIN ORTIZ MSH

DATE: 06-12-2025

WELL #:

606H

DRAWN BY: TMF

DISTRICT:
UNION

COUNTY:
MARSHALL

STATE:
WV

SCALE: N/A
DRAWING NO: 3048
WELL LOCATION PLAT 7



10/24/2025

REVISIONS:	COMPANY:				
	OPERATOR'S			SERAFIN ORTIZ MSH	
	WELL #:			606H	
	DISTRICT: UNION			COUNTY: MARSHALL	STATE: WV
				DATE: 06-12-2025	
				DRAWN BY: TMF	
				SCALE: N/A	
				DRAWING NO: 3048	
				WELL LOCATION PLAT 7	