

**HUNTER PETHTEL LEASE  
UTICA UNIT - 360.86 AC±  
VAN WINKLE N 18HU WELL  
TUG HILL OPERATING**

T.H. LATITUDE 39°47'30"  
B.H. LATITUDE 39°50'00"

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 469,119.78	E. 1,623,707.88
NAD'83 GEO.	LAT-(N) 39.781509	LONG-(W) 80.726889
NAD'83 UTM (M)	N. 4,403,542.98	E. 523,386.80

**LANDING POINT**

NAD'83 S.P.C.(FT)	N. 469,194.5	E. 1,623,176.5
NAD'83 GEO.	LAT-(N) 39.781694	LONG-(W) 80.728783
NAD'83 UTM (M)	N. 4,403,563.0	E. 523,224.5

**BOTTOM HOLE**

NAD'83 S.P.C.(FT)	N. 478,952.1	E. 1,617,795.8
NAD'83 GEO.	LAT-(N) 39.808276	LONG-(W) 80.748410
NAD'83 UTM (M)	N. 4,406,508.4	E. 521,536.6

TAG	SURFACE OWNER	PARCEL	ACRES
A	XCL MIDSTREAM OPERATING, LLC	9-13-5	190.12
B	XCL MIDSTREAM OPERATING, LLC	9-10-19.1	10.00
C	MICHAEL WALKER & JOSEPH BLAKE	9-13-5.1	3.26
D	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
E	JOHN E. & JANET E. KELLEY, ET AL	9-10-19	113.08
F	MARY VIRGINIA PETHTEL (LIFE)	9-13-6	66.36
G	COBLENTZ BROS. INC.	9-10-18	67.88
H	KENNETH W. MASON EST.	9-10-4	67.00
I	WILLIAM N. ROUPE	9-10-3	52.00
J	CAROL VAN SCYOC	9-10-2	206.988
K	CAROL VAN SCYOC	9-10-1	118.087
L	CONNIE S. CUNNINGHAM	9-10-1.1	0.482
M	WILLIAM F. RULONG, ET AL.	5-10-8	70.6672
N	WILLIAM F. RULONG, ET AL.	5-9-11	56.00
O	ROBERT GREGORY MCGUIRE, ET UX	5-9-10	139.60
P	ROBERT GREGORY MCGUIRE, ET UX	5-9-12	78.28
Q	ROBERT GREGORY MCGUIRE, ET UX	9-4-1	76.75
R	ROBERT GREGORY MCGUIRE, ET UX	5-9-9	49.00
S	ROBERT GREGORY MCGUIRE, ET UX	9-4-2	45.233

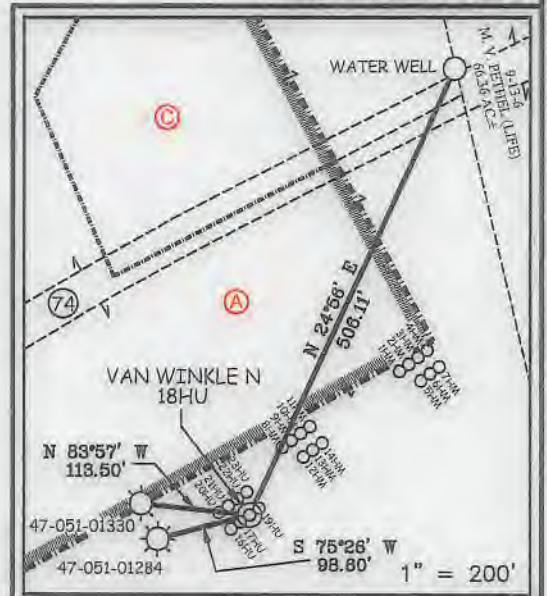
PARCEL	SURFACE ADJOINER	ACRES
5-10-5	WILLIAM F. RULONG, ET AL.	27.5
5-10-6	WILLIAM F. RULONG, ET AL.	P/O 1.00
5-10-7	WILLIAM F. RULONG, ET AL.	22.872
5-10-8.1	SAMUEL D. & BECKY ROBINSON	1.511
9-10-1.2	JOSHUA A. & SHANNON N. HOYT	2.436
9-10-1.3	FINLEY D. MONTGOMERY, ET UX	20.294
9-10-2.1	SHERRY VAN SCYOC YOCUM & BLAINE VAN SCYOC	5.00
9-10-2.2	WALTER J. FECAT, JR., ET UX	5.00
9-10-20	JOSHUA A. & SHANNON N. HOYT	9.942
9-10-21	JAMES & VICKIE J. MASON	2.00
9-10-22	JAMES & VICKIE J. MASON	1.169
9-13-7	MARY VIRGINIA PETHTEL (LIFE)	96.00
9-13-24	ROBERT N. & NANCY R. MCCARDLE	50.64
9-13-25	ROBERT N. & NANCY R. MCCARDLE	48.00
9-13-26	ROBERT N. & NANCY R. MCCARDLE	9.02



**NOTES ON SURVEY**

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.
- BASED ON WV DOT COUNTY ROUTE 74 IS A 40' STRIP OF LAND ACQUIRED IN NUMEROUS DEEDS.
- PROPOSED LATERAL OR TOP HOLE OF VAN WINKLE N-18HU IS WITHIN 3000' OF TOP HOLES OR LATERALS OF:  
PROPOSED VAN WINKLE N-18HU,  
PROPOSED VAN WINKLE N-17HU,  
PROPOSED VAN WINKLE N-19HU,  
PROPOSED VAN WINKLE S-20HU,  
PROPOSED VAN WINKLE S-21HU,  
PROPOSED VAN WINKLE S-22HU,  
PROPOSED VAN WINKLE S-23HU,  
KNOB CREEK N-11HU (47-051-02287).

**REFERENCES**

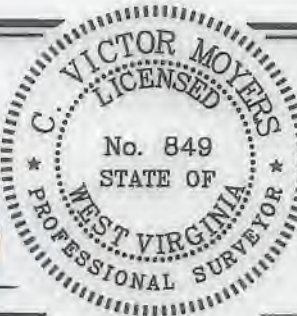


12 Varnhorn Drive | P.O. Box 150 | Glenville, WV 26251 | 304.462.5814  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
slswv.com

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
849

*C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JANUARY 14, 20 21

REVISED FEBRUARY 25, 2021

OPERATORS WELL NO. VAN WINKLE N 18HU

API WELL NO. 47-051-02351 Deep  
STATE COUNTY PERMIT HGA

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P18HUR.dwg  
VAN WINKLE N 18HU-REV3  
HORIZONTAL & VERTICAL SCALE 1" = 2000'  
CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

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

LOCATION: GROUND: 756.10' ELEVATION PROPOSED: 753.50' WATERSHED: FISH CREEK (HUC 10)  
DISTRICT: MEADE COUNTY: MARSHALL QUADRANGLE: GLEN EASTON 7.5'

SURFACE OWNER: XCL MIDSTREAM OPERATING, LLC ACREAGE: 190.12 ±  
ROYALTY OWNER: DENNIS HUNTER, ET AL - SEE WW-6A1 ACREAGE: 190.12

PROPOSED WORK: LEASE NO. SEE WW-6A1  
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION: POINT PLEASANT  
ESTIMATED DEPTH: TVD: 11,236' / TMD: 22,677'

WELL OPERATOR TUG HILL OPERATING, LLC  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500  
FORT WORTH, TX 76107

DESIGNATED AGENT DIANNA STAMPER  
CT CORPORATION SYSTEM  
ADDRESS 5400 D BIG TYLER ROAD  
CHARLESTON, WV 25313

COUNTY NAME  
PERMIT

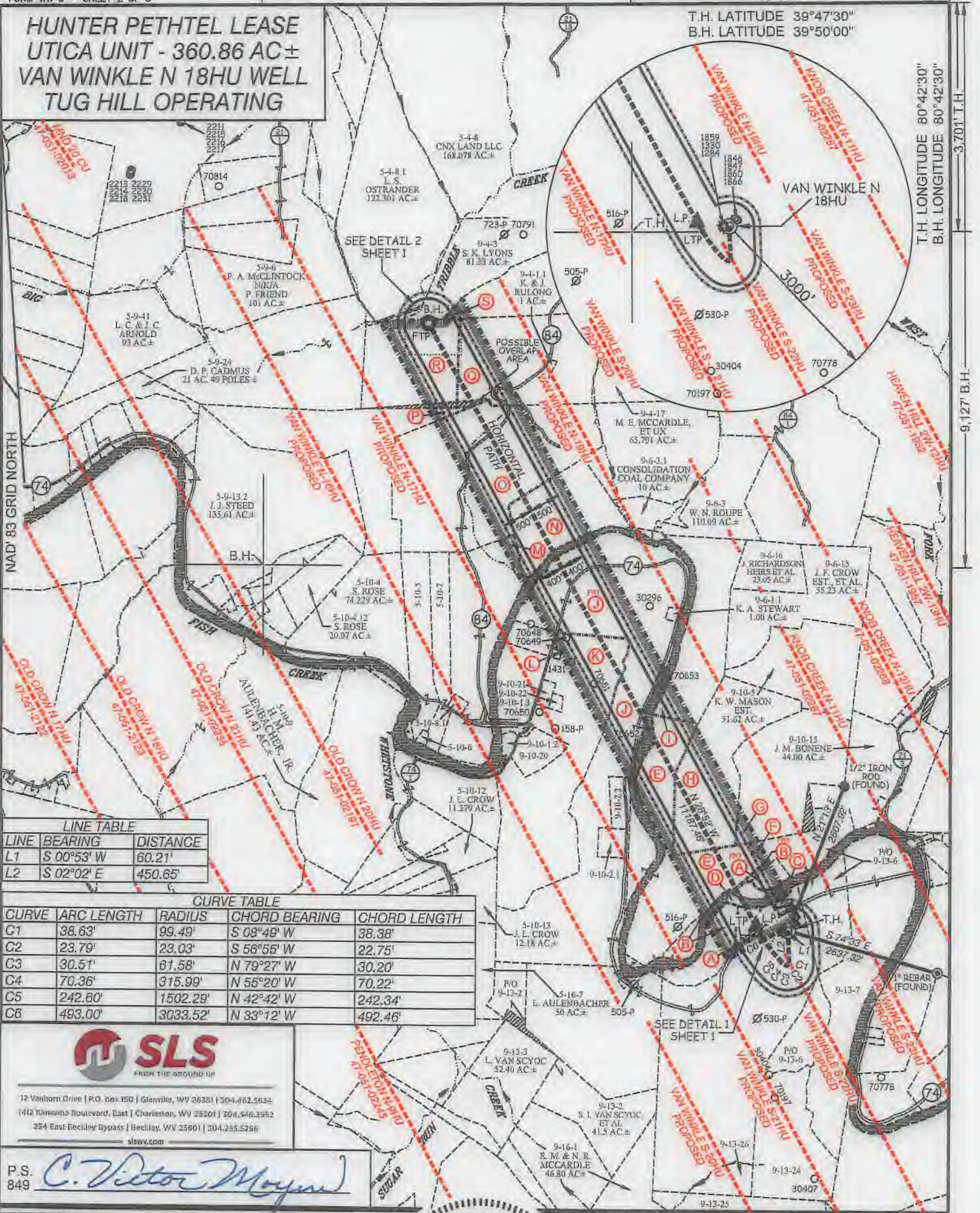
05/07/2021



**HUNTER PETHTEL LEASE  
UTICA UNIT - 360.86 AC±  
VAN WINKLE N 18HU WELL  
TUG HILL OPERATING**

T.H. LATITUDE 39°47'30"  
B.H. LATITUDE 39°50'00"

T.H. LONGITUDE 80°42'30"  
B.H. LONGITUDE 80°42'30"



**LINE TABLE**

LINE	BEARING	DISTANCE
L1	S 00°53' W	60.21'
L2	S 02°02' E	450.65'

**CURVE TABLE**

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	38.63'	99.49'	S 08°49' W	38.38'
C2	23.79'	23.03'	S 56°55' W	22.75'
C3	30.51'	61.58'	N 79°27' W	30.20'
C4	70.36'	315.99'	N 55°20' W	70.22'
C5	242.60'	1502.29'	N 42°42' W	242.34'
C6	493.00'	3033.52'	N 33°12' W	492.46'



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slsww.com

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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

**LEGEND**

UNIT BOUNDARY	
LEASED TRACTS INSIDE UNIT BOUNDARY	
SURFACE LINE	
PROPOSED UTICA	
WELL LATERAL	
400' OFFSET LINE	
500' OFFSET LINE	
TIE LINE	
CREEK	
ROAD	
COUNTY ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE ADDITIONAL SHEETS)	

SCALE 1" = 2000' FILE NO. 8952P18HUR.dwg  
VAN WINKLE N 18HU-REV3  
DATE JANUARY 14, 2021  
REVISED FEBRUARY 25, 2021  
OPERATORS WELL NO. VAN WINKLE N 18HU  
API WELL NO. 47-051-02351  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

WELL OPERATOR TUG HILL OPERATING, LLC  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500  
FORT WORTH, TX. 76107

DESIGNATED AGENT  
ADDRESS 5400 D BIG TYLER ROAD  
CHARLESTON, WV 25313

DIANNA STAMPER  
CT CORPORATION SYSTEM

05/07/2021

COUNTY NAME PERMIT



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slswv.com

NO.	Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Deed Book/Page
1	10*31312	9-13-5	A	DENNIS W & KATHY A HUNTER	668 155
2	10*31352	9-10-19.1	B	DENNIS W HUNTER ET UX	690 60
3	10*31312	9-13-5.1	C	DENNIS W & KATHY A HUNTER	668 155
4	10*23458	FISH CREEK	D	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	1019 373
5	10*31384	9-10-19	E	JOHN E KELLEY AND JANET E KELLEY	693 6
6	10*31303	9-13-6	F	MARY V & FRANK E PETHTEL, ET AL	668 525
7	10*17383	9-10-18	G	JACQUES ROY, ET AL	919 631
8	10*19749	9-10-4	H	JOHN CALVERT, ET AL	944 428
9	10*19750	9-10-4	H	DELORES J MYERS	944 430
10	10*23561	9-10-3	I	VINCENT PATRELLO AND AMANDA PATRELLO, ET AL	988 97
11	10*19894	9-10-2	J	CAROL L VANSYOC	941 392
12	10*19894	9-10-1	K	CAROL L VANSYOC	941 392
13	10*19894	9-10-1.1	L	CAROL L VANSYOC	941 392
14	10*18726	5-10-8	M	EMILY K RULONG AND WILLIAM F RULONG SR, ET AL	941 441
15	10*18726	5-9-11	N	EMILY K RULONG AND WILLIAM F RULONG SR	941 441
16	10*47051.144.0	5-9-10	O	ROBERT G & TERRI L MCGUIRE	867 581
17	10*47051.144.0	5-9-12	P	ROBERT G & TERRI L MCGUIRE	867 581
18	10*29855	9-4-1	Q	ROBERT G & TERRI L MCGUIRE	1101 307
19	10*29855	5-9-9	R	ROBERT G & TERRI L MCGUIRE	1101 307
20	10*29855	9-4-2	S	ROBERT G & TERRI L MCGUIRE	1101 307

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VAN WINKLE N 18HU-REV3

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API WELL NO. 47 — 051 — 02351 *Deep H&A*  
STATE COUNTY PERMIT



STATE OF WEST VIRGINIA  
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OFFICE OF OIL AND GAS



P.S.  
849

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COUNTY NAME

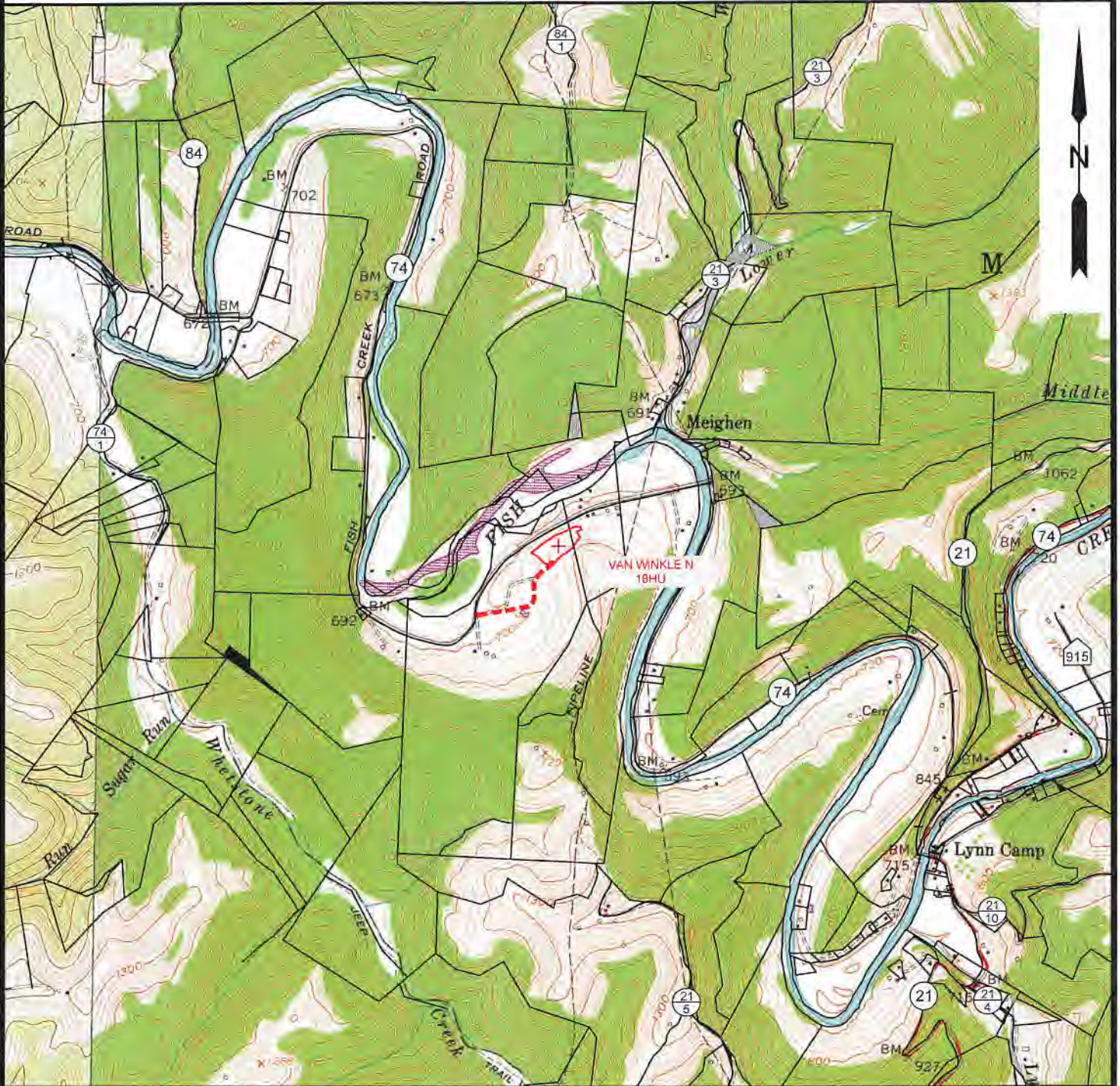
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CHARLESTON, WV 25313





# PROPOSED VAN WINKLE N - 18HU



NOTE: CLOSEST WATER PURVEYOR  
GRANDVIEW - DOOLIN PUBLIC SERVICE DISTRICT  
PROCTOR, WV

LAT: 39.7137712  
LON: -80.8258327  
LOCATED: S 49°13'48" W AT 37,316.19' FROM THE CENTER OF HUNTER PETHTEL N WELL PAD LOCATION.

 12 Vanhook Drive   P.O. Box 150   Glenville, WV 26351   304.462.5534 1412 Kanawha Boulevard, East   Charleston, WV 25301   304.346.3952 254 East Beckley Bypass   Beckley, WV 25801   304.255.5296 slsw.com	<b>TOPO SECTION:</b>		<b>OPERATOR:</b>	
	GLEN EASTON 7.5'		PREPARED FOR: TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317	
	<b>COUNTY</b>	<b>DISTRICT</b>	 <b>TUG HILL OPERATING</b>	
	MARSHALL	MEADE		
<b>DRAWN BY</b>	<b>JOB NO.</b>	<b>DATE</b>	<b>SCALE</b>	<b>05/07/2021</b>
K.G.M.	8952	12/24/2020	1" = 2000'	