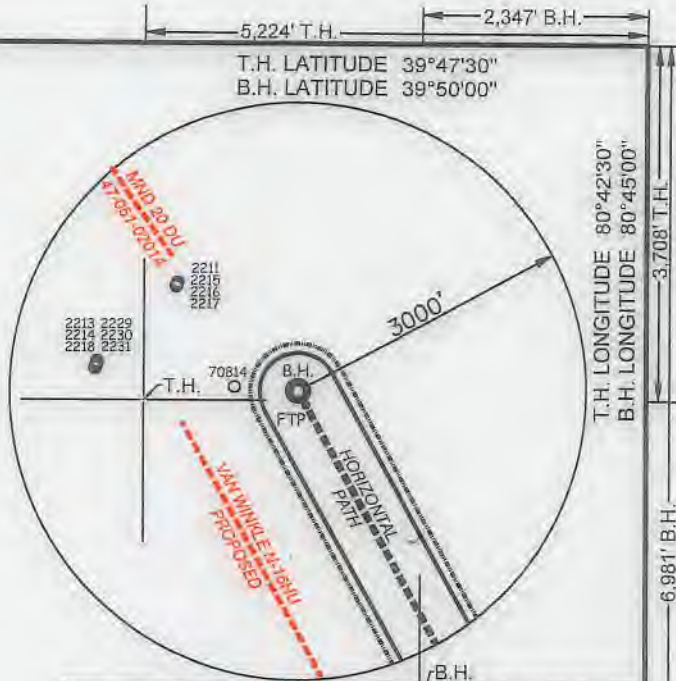


**HUNTER PETHTEL LEASE  
UTICA UNIT - 431.59 AC±  
VAN WINKLE N 17HU WELL  
TUG HILL OPERATING**

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	LOUIS AULENBACHER	9-13-4	100.191
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	CAROL VAN SCYOC	9-10-2	206.988
G	SHERRY VAN SCYOC YOCUM & BLAINE VAN SCYOC	9-10-2.1	5.00
H	WALTER J. FECAT, JR., ET UX	9-10-2.2	5.00
I	CAROL VAN SCYOC	9-10-1	118.087
J	JOSHUA A. & SHANNON N. HOYT	9-10-20	9.942
K	JOSHUA A. & SHANNON N. HOYT	9-10-1.2	2.436
L	JAMES & VICKIE J. MASON	9-10-22	1.169
M	JAMES & VICKIE J. MASON	9-10-21	2.00
N	FINLEY D. MONTGOMERY, ET UX	9-10-1.3	20.294
O	CONNIE S. CUNNINGHAM	9-10-1.1	0.482
P	WILLIAM F. RULONG, ET AL.	5-10-8	70.6672
Q	WILLIAM F. RULONG, ET AL.	5-10-7	22.872
R	WILLIAM F. RULONG, ET AL.	5-10-5	27.5
S	ROBERT GREGORY MCGUIRE, ET UX	5-9-10	139.60
T	ROBERT GREGORY MCGUIRE, ET UX	5-9-12	78.28
U	ROBERT GREGORY MCGUIRE, ET UX	5-9-9	49.00
V	PATRICIA A. MCCLINTOCK N/K/A/ PATRICIA FRIEND	5-9-7	110.02
W	PATRICIA A. MCCLINTOCK N/K/A/ PATRICIA FRIEND	5-9-6	101.00
X	PATRICIA A. MCCLINTOCK N/K/A/ PATRICIA FRIEND	5-9-5	22.5

PARCEL	SURFACE ADJOINER	ACRES
5-10-6	WILLIAM F. RULONG, ET AL.	P/O 1.00
5-10-8.1	SAMUEL D. & BECKY ROBINSON	1.511
9-13-6	MARY VIRGINIA PETHTEL (LIFE)	66.36
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



(S.P.C. NORTH ZONE) (UTM(M))		ZONE 17 NORTH
NAD'83 S.P.C.(FT)	N. 469,112.82	E. 1,623,698.27
NAD'83 GEO.	LAT-(N) 39.781489	LONG-(W) 80.726923
NAD'83 UTM (M)	N. 4,403,540.75	E. 523,383.91
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 468,524.0	E. 1,621,990.8
NAD'83 GEO.	LAT-(N) 39.779809	LONG-(W) 80.732969
NAD'83 UTM (M)	N. 4,403,352.7	E. 522,865.7
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 461,137.4	E. 1,615,032.0
NAD'83 GEO.	LAT-(N) 39.814169	LONG-(W) 80.758356
NAD'83 UTM (M)	N. 4,407,160.1	E. 520,682.5

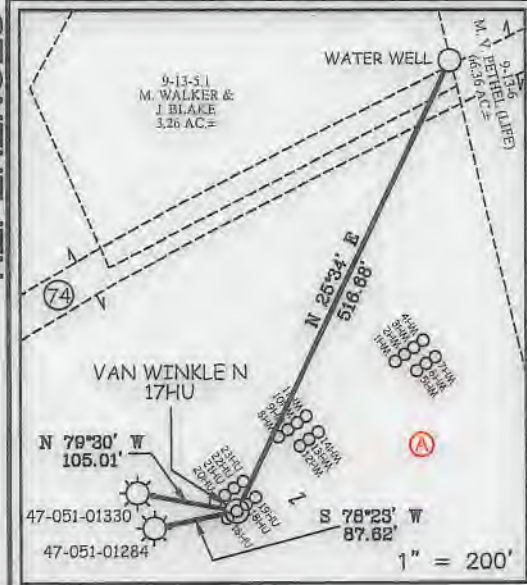
DETAIL 2  
SCALE: 1" = 500'



**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-17HU IS WITHIN 3000' OF TOP HOLES OR LATERALS OF: PROPOSED VAN WINKLE N-18HU, 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), MND 20 DU (47-051-02014).

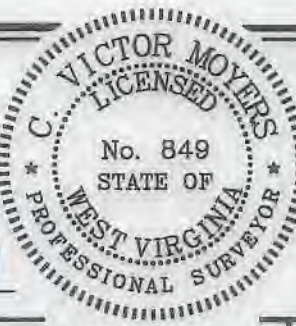
**REFERENCES**



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 25351 | 304.462.5534  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.246.2952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
slov.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 17HU  
API WELL NO. 47-051-01330  
STATE 47 COUNTY 051 PERMIT 02350

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 8952P17HUR.dwg  
VAN WINKLE N 17HU-REV3  
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

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

WELL TYPE:	OIL <input type="checkbox"/>	GAS <input checked="" type="checkbox"/>	INJECTION <input type="checkbox"/>	WASTE DISPOSAL <input type="checkbox"/>	IF "GAS" PRODUCTION <input checked="" type="checkbox"/>	STORAGE <input type="checkbox"/>	DEEP <input checked="" type="checkbox"/>	SHALLOW <input type="checkbox"/>
LOCATION:	GROUND: 756.10'		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			
PROPOSED WORK:	DRILL <input checked="" type="checkbox"/>		CONVERT <input type="checkbox"/>		DRILL DEEPER <input type="checkbox"/>		REDRILL <input type="checkbox"/>	
FORMATION:	PERFORATE NEW FORMATION <input type="checkbox"/>		PLUG AND ABANDON <input type="checkbox"/>		CLEAN OUT AND REPLUG <input type="checkbox"/>		OTHER <input type="checkbox"/>	
PHYSICAL CHANGE IN WELL (SPECIFY)	TARGET FORMATION: POINT PLEASANT		ESTIMATED DEPTH: TVD: 11,216' / TMD: 26,057'					

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

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

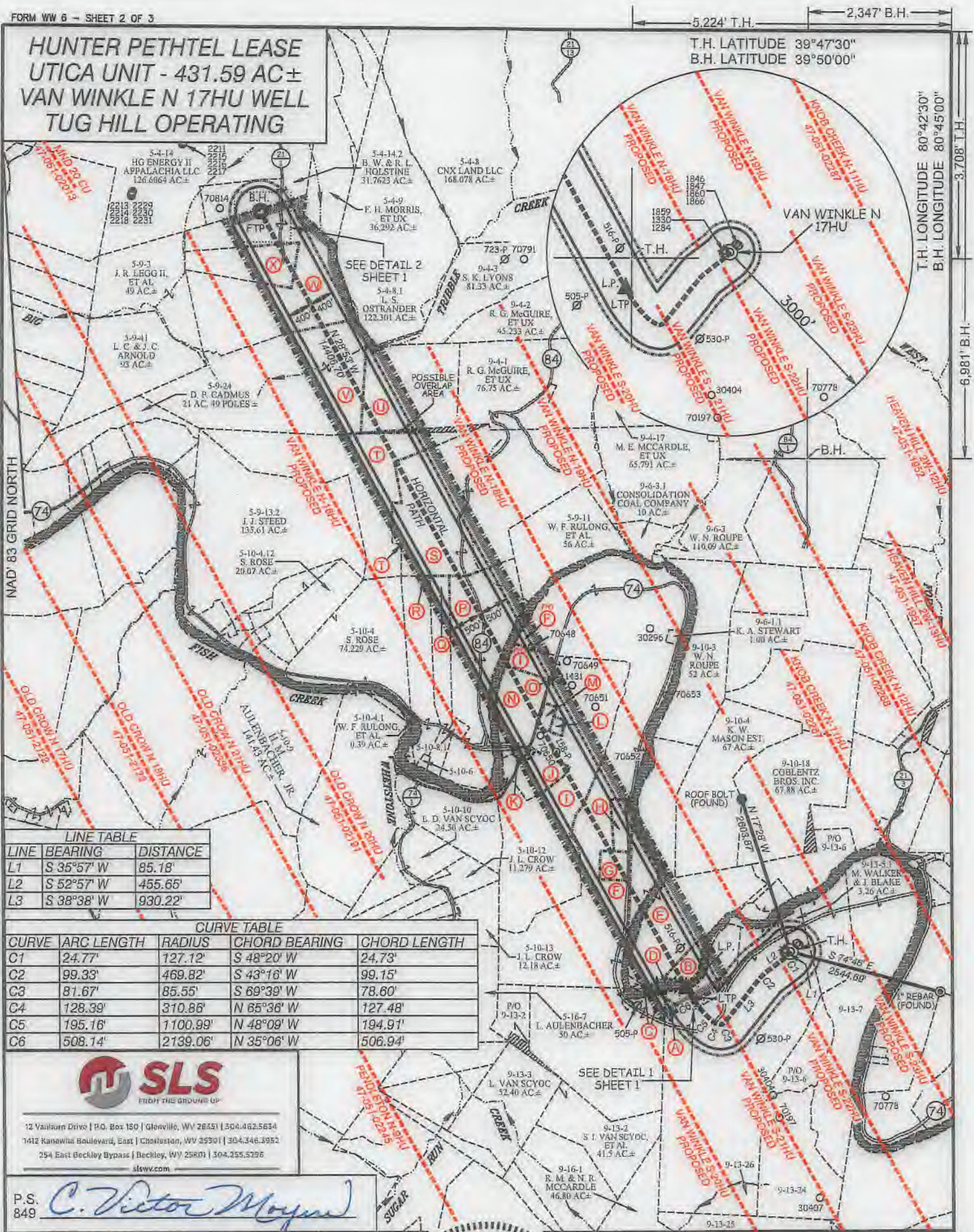
05/07/2021

COUNTY NAME  
PERMIT



**HUNTER PETHTEL LEASE  
UTICA UNIT - 431.59 AC±  
VAN WINKLE N 17HU WELL  
TUG HILL OPERATING**

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



**LINE TABLE**

LINE	BEARING	DISTANCE
L1	S 35°57' W	85.18'
L2	S 52°57' W	455.65'
L3	S 38°38' W	930.22'

**CURVE TABLE**

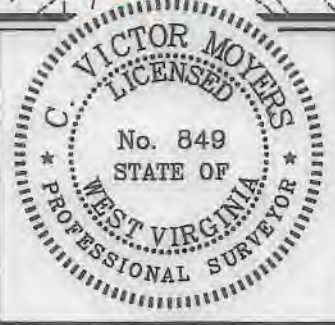
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	24.77'	127.12'	S 48°20' W	24.73'
C2	99.33'	469.82'	S 43°16' W	99.15'
C3	81.67'	85.55'	S 69°39' W	78.60'
C4	128.39'	310.86'	N 65°36' W	127.48'
C5	195.16'	1100.99'	N 48°09' W	194.91'
C6	508.14'	2139.06'	N 35°06' W	506.94'

12 Vanium Drive | P.O. Box 180 | Glenville, WV 26031 | 304.462.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.355.5296  
slsvv.com

P.S. 849 *C. Victor Moyers*

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

NAD'83 S.P.C.(FT)	N. 469,112.62	E. 1,623,698.27
NAD'83 GEO.	LAT-(N) 39.781489	LONG-(W) 80.726923
NAD'83 UTM (M)	N. 4,403,540.75	E. 523,393.91
<b>LANDING POINT</b>		
NAD'83 S.P.C.(FT)	N. 469,524.0	E. 1,621,990.8
NAD'83 GEO.	LAT-(N) 39.779809	LONG-(W) 80.732969
NAD'83 UTM (M)	N. 4,403,352.7	E. 522,866.7
<b>BOTTOM HOLE</b>		
NAD'83 S.P.C.(FT)	N. 481,197.4	E. 1,615,032.0
NAD'83 GEO.	LAT-(N) 39.814169	LONG-(W) 80.758356
NAD'83 UTM (M)	N. 4,407,160.1	E. 520,682.5



(+) 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. 8952P17HUR.dwg  
VAN WINKLE N 17HU-REV3  
DATE JANUARY 14, 2021  
REVISED FEBRUARY 25, 2021  
OPERATORS WELL NO. VAN WINKLE N 17HU  
API WELL NO. 47-051-02350 Deep Well  
NO. STATE COUNTY PERMIT

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

WELL OPERATOR TUG HILL OPERATING, LLC	DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500	ADDRESS CT CORPORATION SYSTEM
FORT WORTH, TX 76107	5400 D BIG TYLER ROAD
	CHARLESTON, WV 25313

05/07/2021

COUNTY NAME  
PERMIT



**HUNTER PETHTEL LEASE  
UTICA UNIT - 431.59 AC±  
VAN WINKLE N 17HU WELL  
TUG HILL OPERATING**



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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25601 | 304.255.5296  
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 & KATHY A HUNTER	690	60
✓ 3	10*22382	9-13-4	C	BETTY LOU KAMPE, ET AL	919	399
✓ 4	10*23458	FISH CREEK	D	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	1019	373
✓ 5	10*31384	9-10-19	E	JOHN E KELLEY & JANET E KELLEY	693	6
✓ 6	10*19894	9-10-2	F	CAROL L VANSYOC	941	392
✓ 7	10*18398	9-10-2.1	G	BLAINE A VANSYOC, ET AL	932	470
✓ 8	10*28415	9-10-2.2	H	WALTER J FECAT AND BRENDA S FECAT	1071	547
✓ 9	10*19894	9-10-1	I	CAROL L VANSYOC	941	392
✓ 10	10*29359	9-10-20	J	JOSHUA A HOYT AND SHANNON N HOYT, ET AL	1096	535
✓ 11	10*29359	9-10-1.2	K	JOSHUA A HOYT AND SHANNON N HOYT, ET AL	1096	535
✓ 12	10*19894	9-10-22	L	CAROL L VANSYOC	941	392
✓ 13	10*19894	9-10-21	M	CAROL L VANSYOC	941	392
✓ 14	10*31374	9-10-1.3	N	FINLEY MONTGOMERY	734	177
✓ 15	10*19894	9-10-1.1	O	CAROL L VANSYOC	941	392
✓ 16	10*29245	5-10-8	P	AMFLO ENTERPRISES LLC CO BARRY STIFFLER, ET AL	1086	508
✓ 17	10*29245	5-10-7	Q	AMFLO ENTERPRISES LLC CO BARRY STIFFLER, ET AL	1086	508
✓ 18	10*29245	5-10-5	R	AMFLO ENTERPRISES LLC CO BARRY STIFFLER, ET AL	1086	508
✓ 19	10*47051.144.0	5-9-10	S	ROBERT G & TERRI L MCGUIRE	867	581
✓ 20	10*47051.144.0	5-9-12	T	ROBERT G & TERRI L MCGUIRE	867	581
✓ 21	10*29855	5-9-9	U	ROBERT G & TERRI L MCGUIRE	1101	307
✓ 22	10*29860	5-9-7	V	P & D REALTY	1101	305
✓ 23	10*29860	5-9-6	W	P & D REALTY	1101	305
✓ 24	10*29860	5-9-5	X	P & D REALTY	1101	305

FILE NO. 8952P17HUR.dwg  
VAN WINKLE N 17HU-REV3

DATE JANUARY 14, 20 21

REVISED FEBRUARY 25, 2021

OPERATORS WELL NO. VAN WINKLE N 17HU

API WELL NO. 47 — 051 — 02350 *Deep HcA*  
STATE COUNTY PERMIT



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



P.S.  
849

*C. Victor Moyers*

WELL OPERATOR TUG HILL OPERATING, LLC  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500  
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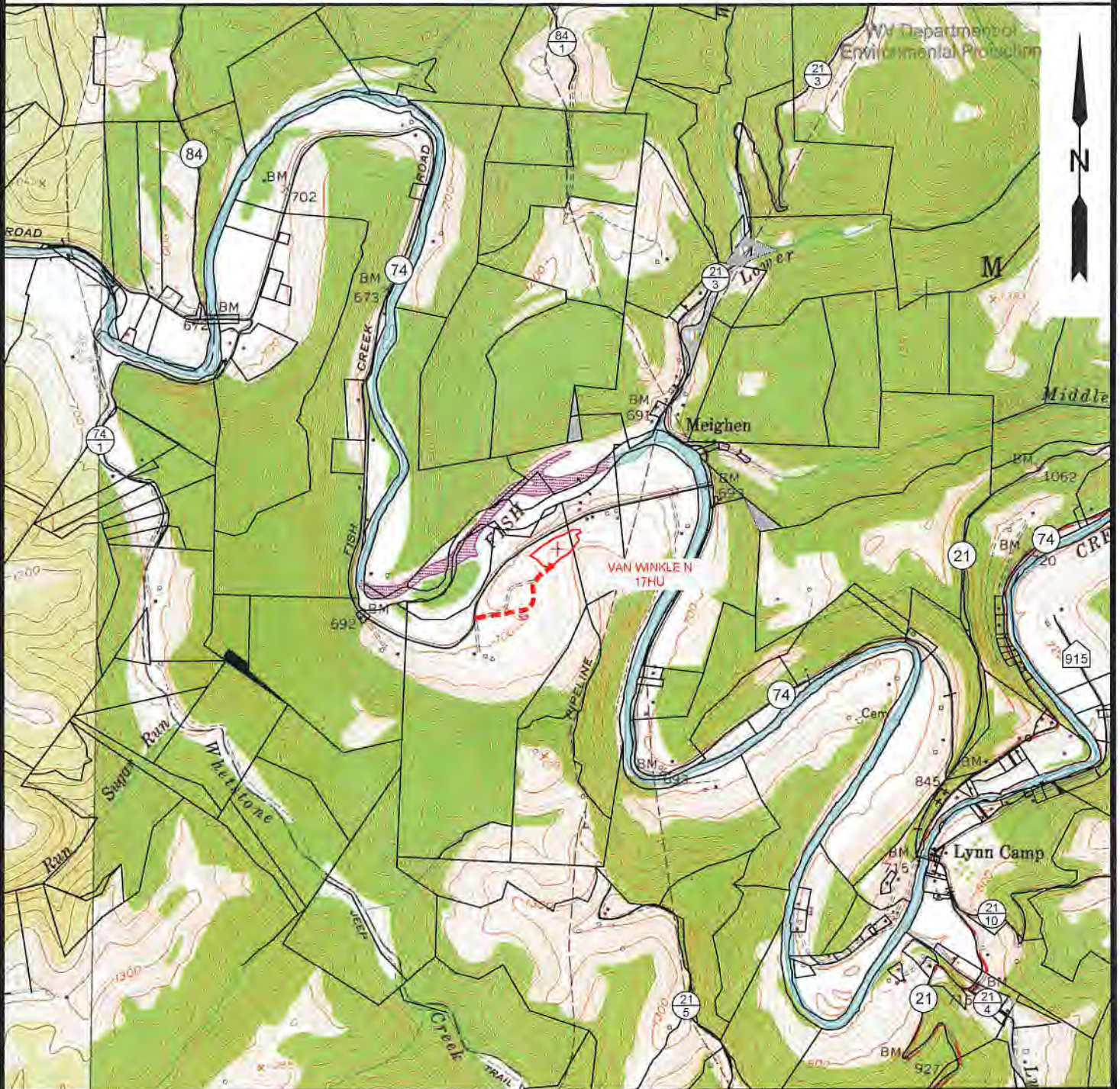
COUNTY NAME

PERMIT



# PROPOSED VAN WINKLE N - 17HU

JAN 19



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.



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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
slswv.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	TUG HILL OPERATING, LLC	
MARSHALL	MEADE	380 SOUTHPOINTE BLVD	
		SUITE 200	
		CANONSBURG, PA 15317	
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	8952	12/24/2020	1" = 2000'



**TUG HILL  
OPERATING**

05/07/2021