

**HUNTER PETHTEL LEASE  
VAN WINKLE N 3HM WELL  
TUG HILL OPERATING**

PARCEL	SURFACE ADJOINER	ACRES
5-9-24	DENNIS P. CADMUS	21 AC. 49 P.
5-10-6	WILLIAM F. RULONG, ET AL	P/O 1.00
5-10-8.1	SAMUEL D. & BECKY ROBINSON	1.511
9-10-1.1	CONNIE S. CUNNINGHAM	0.482
9-10-1.2	JOSHUA A. & SHANNON N. HOYT	2.436
9-10-2.2	WALTER J. FECAT, JR., ET UX	5.00
9-10-12	JOSEPH LEE CROW	11.279
9-10-13	JOSEPH LEE CROW	12.18
9-10-21	JAMES & VICKIE J. MASON	2.00
9-10-22	JAMES & VICKIE J. MASON	1.169
9-13-4.1	H & L EQUIPMENT, LLC	0.449

TAG	SURFACE OWNER	PARCEL	ACRES
A	TH EXPLORATION	9-13-5.3	16.10
B	XCL MIDSTREAM OPERATING, LLC	9-13-5	168.73
C	XCL MIDSTREAM OPERATING, LLC	9-10-19.1	10
D	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
E	ALAN KELLEY ET AL	9-10-19	113.08
F	CAROL VAN SCYOC EST	9-10-2	206.988
G	SHERRY VAN SCYOC YOCUM & BLAINE VAN SCYOC	9-10-2.1	5.00
H	CAROL VAN SCYOC EST	9-10-1	118.087
I	JOSHUA A. & SHANNON N. HOYT	9-10-20	9.942
J	FINLEY D. MONTGOMERY ET UX	9-10-1.3	20.294
K	WILLIAM F. RULONG, ET AL	5-10-8	70.6672
L	WILLIAM F. RULONG, ET AL	5-10-7	22.872
M	ROBERT GREGORY MCQUIRE, ET UX	5-9-10	139.60
N	ROBERT GREGORY MCQUIRE, ET UX	5-9-12	78.28
O	ROBERT GREGORY MCQUIRE, ET UX	5-9-9	49
P	PATRICIA McCLINTOCK	5-9-7	110.02
Q	PATRICIA McCLINTOCK	5-9-6	101
R	PATRICIA McCLINTOCK	5-9-5	22.5

**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.



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634  
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
 slswv.com

5,042' T.H.      2,528' B.H.

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

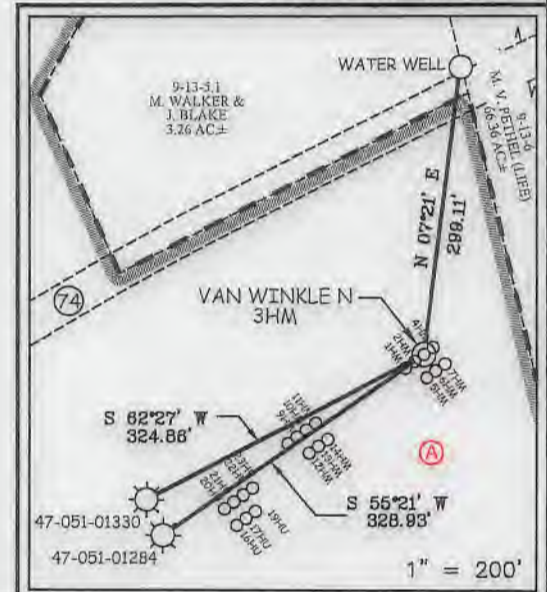
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
 NAD'83 S.P.C.(FT) N. 469,282.04 E. 1,623,883.01  
 NAD'83 GEO. LAT-(N) 39.781961 LONG-(W) 80.728274  
 NAD'83 UTM (M) N. 4,403,593.30 E. 523,439.33  
**LANDING POINT**  
 NAD'83 S.P.C.(FT) N. 468,438.7 E. 1,621,809.3  
 NAD'83 GEO. LAT-(N) 39.779568 LONG-(W) 80.733611  
 NAD'83 UTM (M) N. 4,403,325.8 E. 522,811.8  
**BOTTOM HOLE**  
 NAD'83 S.P.C.(FT) N. 481,016.5 E. 1,614,849.4  
 NAD'83 GEO. LAT-(N) 39.813830 LONG-(W) 80.759000  
 NAD'83 UTM (M) N. 4,407,122.3 E. 520,627.5

T.H. LONGITUDE 80°42'30"  
 B.H. LONGITUDE 80°45'00"

7,105' B.H.



**REFERENCES**



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. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JANUARY 21, 20 21  
 REVISED JUNE 1, 2022  
 OPERATORS WELL NO. VAN WINKLE N 3HM  
 API WELL NO. 47-051-02366  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P3HMR.dwg  
 VAN WINKLE N 3HM-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 \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ IF "GAS" PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

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

SURFACE OWNER TH EXPLORATION, LLC ACREAGE 16.10 ±  
 ROYALTY OWNER DENNIS HUNTER, ET AL - SEE WW-6A1 ACREAGE 190.12 ±

PROPOSED WORK: LEASE NO. SEE WW-6A1  
 DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_ OTHER \_\_\_  
 PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,253' / TMD: 21,423'

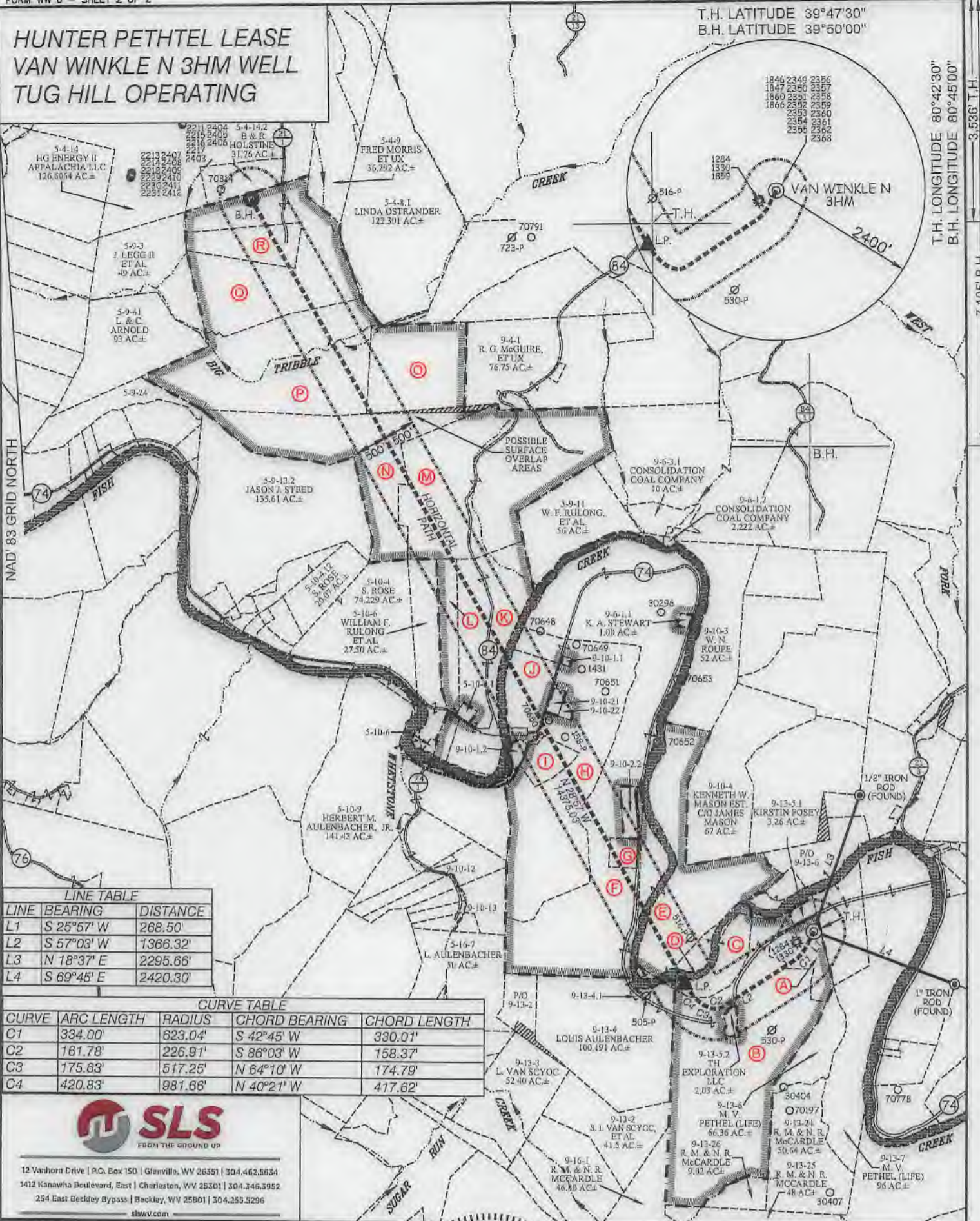
WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN CT CORPORATION  
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107 ADDRESS 5098 WASHINGTON ST. W, STE 407 CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

# HUNTER PETHEL LEASE VAN WINKLE N 3HM 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°45'00"



**LINE TABLE**

LINE	BEARING	DISTANCE
L1	S 25°57' W	268.50'
L2	S 57°03' W	1366.32'
L3	N 18°37' E	2295.66'
L4	S 69°45' E	2420.30'

**CURVE TABLE**

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	334.00'	623.04'	S 42°45' W	330.01'
C2	161.78'	226.91'	S 86°03' W	158.37'
C3	175.63'	517.25'	N 64°10' W	174.79'
C4	420.83'	981.66'	N 40°21' W	417.62'



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

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NAD'83 UTM (M)	N. 4,403,589.30	E. 523,439.33
<b>LANDING POINT</b>		
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<b>BOTTOM HOLE</b>		
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P.S. 677 *Gregory A. Smith*

SCALE 1" = 2000' FILE NO. 8952P3HMR.dwg  
VAN WINKLE N 3HM-REV3  
DATE JANUARY 21, 20 21  
REVISED JUNE 1, 2022  
OPERATORS WELL NO. VAN WINKLE N 1HM  
API WELL NO. 47 — 051 — 02364 MOD  
NO. STATE COUNTY PERMIT

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

**LEGEND**

LEASE LINE	
SURFACE LINE	
WELL LATERAL	
OFFSET LINE	
TIE LINE	
CREEK	
ROAD	
COUNTY ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	
TAX MAP-PARCEL	00-00
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE WW-6A1)	

WELL OPERATOR	TUG HILL OPERATING, LLC	DESIGNATED AGENT	DARREN BROWN
ADDRESS	1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107	ADDRESS	5098 WASHINGTON ST. W, STE 407 CHARLESTON, WV 25313-1561