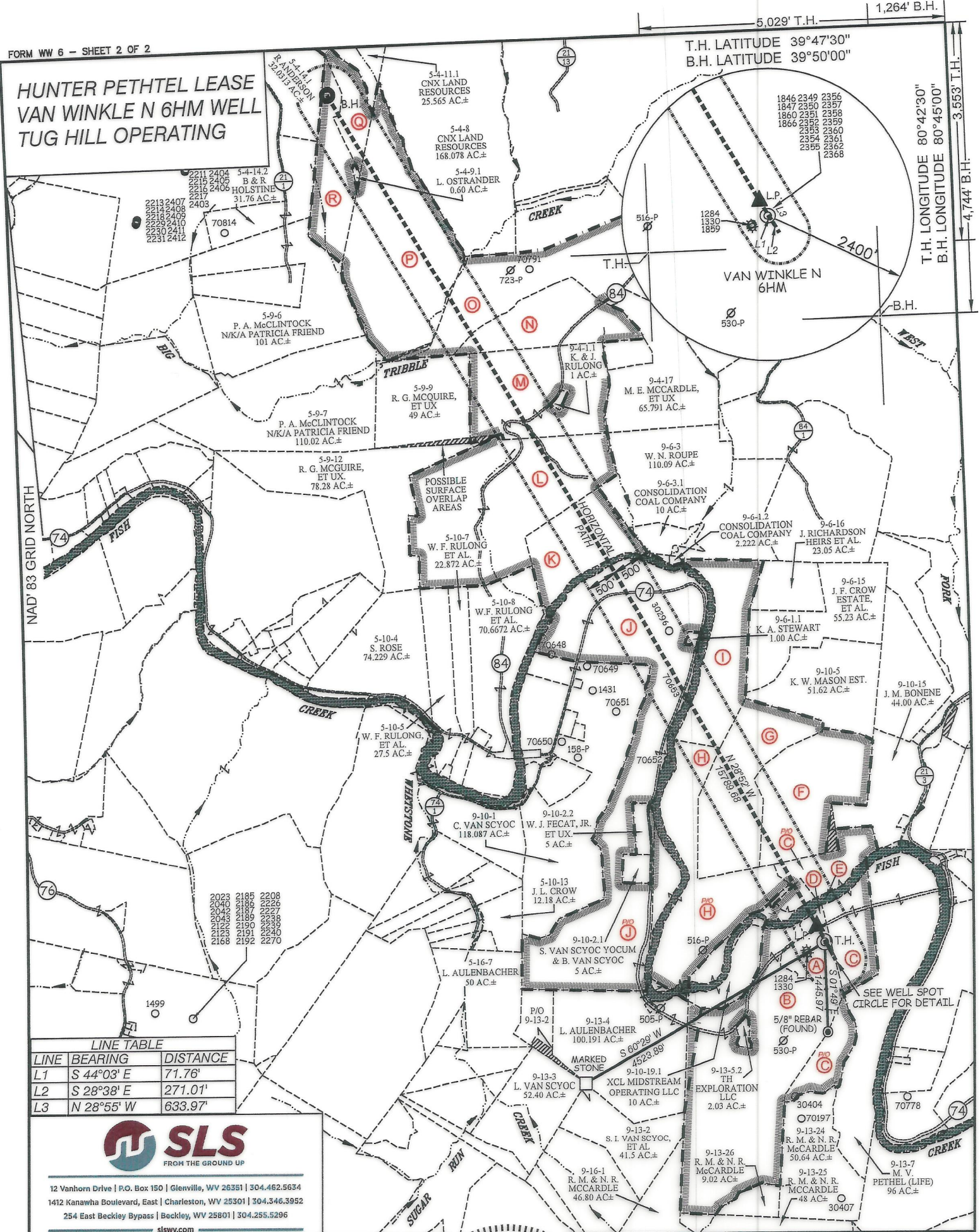


**HUNTER PETHTEL LEASE
VAN WINKLE N 6HM WELL
TUG HILL OPERATING**

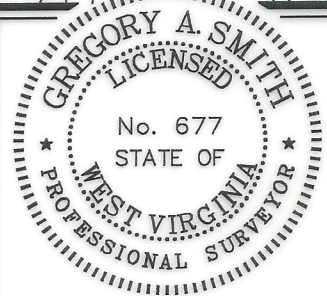


LINE	BEARING	DISTANCE
L1	S 44°03' E	71.76'
L2	S 28°38' E	271.01'
L3	N 28°55' W	633.97'



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
 slsvw.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD'83 S.P.C.(FT)	N. 469,265.47	E. 1,623,895.44	
NAD'83 GEO.	LAT-(N) 39.781916	LONG-(W) 80.726229	
NAD'83 UTM (M)	N. 4,403,588.32	E. 523,443.20	
LANDING POINT			
NAD'83 S.P.C.(FT)	N. 469,531.0	E. 1,623,768.6	
NAD'83 GEO.	LAT-(N) 39.782640	LONG-(W) 80.726693	
NAD'83 UTM (M)	N. 4,403,688.6	E. 523,403.2	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 483,359.0	E. 1,616,146.3	
NAD'83 GEO.	LAT-(N) 39.820310	LONG-(W) 80.754500	
NAD'83 UTM (M)	N. 4,407,842.5	E. 521,010.6	



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

P.S. 677 *Gregory A. Smith*

SCALE 1" = 2000' FILE NO. 8952P6HMR2.dwg
 VAN WINKLE N 6HM-REV3
 DATE JANUARY 22, 20 21
 REVISED 6-1-2022 & 3-21-2023
 OPERATORS WELL NO. VAN WINKLE N 6HM
 API WELL NO. 47 — 051 — 02364
 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	
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	ADDRESS 5098 WASHINGTON ST. W, STE 407
FORT WORTH, TX 76107	CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

04/14/2023

HUNTER PETHTEL LEASE VAN WINKLE N 6HM WELL TUG HILL OPERATING

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	MARY VIRGINIA PETHTEL (LIFE)	9-13-6	66.36
D	KIRSTIN POSEY	9-13-5.1	3.26
E	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
F	COBLENTZ BROS. INC.	9-10-18	67.88
G	KENNETH W. MASON EST.	9-10-4	67.00
H	ALAN KELLEY ET AL	9-10-19	113.08
I	WILLIAM N. ROUPE	9-10-3	52.00
J	CAROL VAN SCYOC EST	9-10-2	206.988
K	WILLIAM F. RULONG, ET AL	5-9-11	56.00
L	ROBERT GREGORY MCGUIRE, ET UX	5-9-10	139.60
M	ROBERT GREGORY MCGUIRE, ET UX	9-4-1	76.75
N	ROBERT GREGORY MCGUIRE, ET UX	9-4-2	45.233
O	SCOTTIE LYONS ET UX	9-4-3	81.33
P	LINDA S. OSTRANDER	5-4-8.1	122.301
Q	CNX LAND RESOURCES	5-4-10	20.20
R	FRED H. MORRIS ET UX	5-4-9	36.292

5,029' T.H. 1,264' 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. 469,265.47	E. 1,623,895.44
NAD'83 GEO.	LAT-(N) 39.781916	LONG-(W) 80.726229
NAD'83 UTM (M)	N. 4,403,588.32	E. 523,443.20

LANDING POINT

NAD'83 S.P.C.(FT)	N. 469,531.0	E. 1,623,768.6
NAD'83 GEO.	LAT-(N) 39.782640	LONG-(W) 80.726693
NAD'83 UTM (M)	N. 4,403,668.6	E. 523,403.2

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 483,359.0	E. 1,616,146.3
NAD'83 GEO.	LAT-(N) 39.820310	LONG-(W) 80.754500
NAD'83 UTM (M)	N. 4,407,842.5	E. 521,010.6

T.H. 3,553' T.H. 4,744' B.H.

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

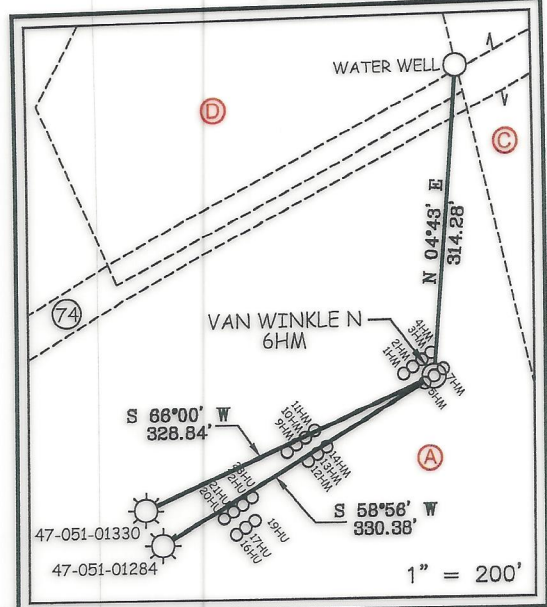
NOTES ON SURVEY

- 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.



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slsw.com

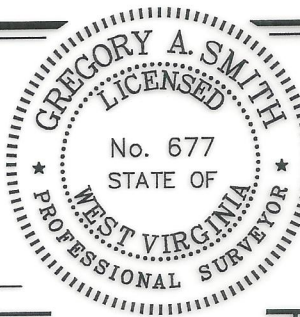
REFERENCES



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 22, 20 21

REVISED 6-1-2022 & 3-21-2023

OPERATORS WELL NO. VAN WINKLE N 6HM

API WELL NO. 47 - 051 - 02364
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500
FILE NO. 8952P6HMR2.dwg
VAN WINKLE N 6HM-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: 6,293' / TMD: 22,349'

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

DESIGNATED AGENT DARREN BROWN
CT CORPORATION
ADDRESS 5098 WASHINGTON ST. W, STE 407
CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

04/14/2023