

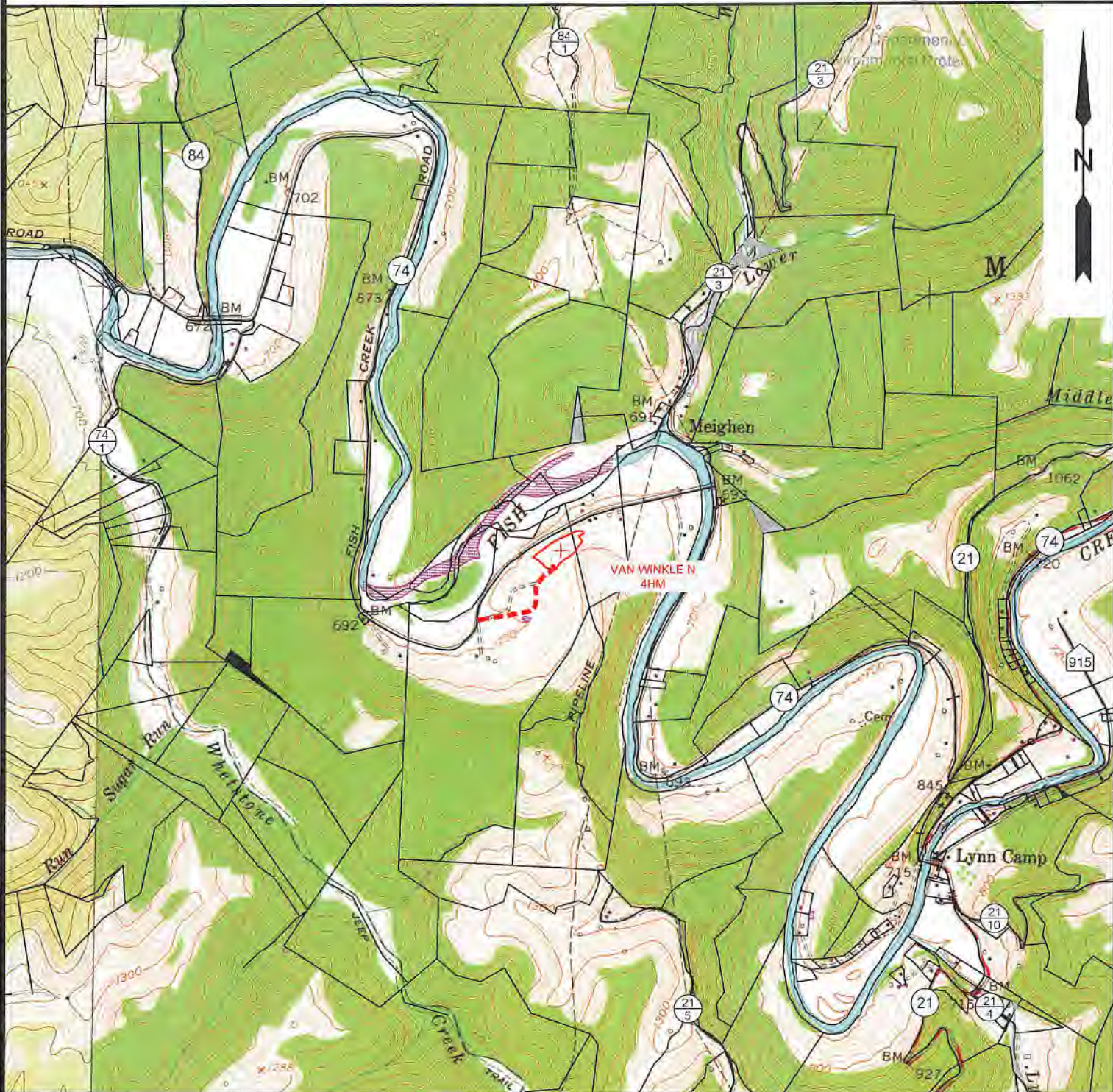
4705102348

WW-9

PROPOSED VAN WINKLE N - 4HM

SUPPLEMENT PG. 2
RECEIVED
Office of Oil and Gas

DEC 23 2020



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 PETHEL N WELL PAD LOCATION.



12 Vannorn 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

TOPO SECTION:

GLEN EASTON 7.5'

COUNTY	DISTRICT
MARSHALL	MEADE

DRAWN BY	JOB NO.
K.G.M.	8952

OPERATOR:

PREPARED FOR:
TUG HILL OPERATING, LLC
380 SOUTHPOINTE BLVD
SUITE 200
CANONSBURG, PA 15317

DATE	SCALE
12/22/2020	1" = 2000'



TUG HILL OPERATING

**HUNTER PETHTEL LEASE
VAN WINKLE N 4HM 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"

10,562' B.H.

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.



9-10-1.3	FINLEY D. MONTGOMERY, ET UX	20,294
5-10-5	WILLIAM F. RULONG, ET AL	27.5
5-10-7	WILLIAM F. RULONG, ET AL	22,872
5-10-8.1	SAMUEL D. & BECKY ROBINSON	1,511
9-10-21	JAMES & VICKIE J. MASON	2.00
9-10-22	JAMES & VICKIE J. MASON	1.169

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

NAD'83 S.P.C.(FT)	N. 469,289.31	E. 1,623,892.52
NAD'83 GEO.	LAT-(N) 39.781981	LONG-(W) 80.726241
NAD'83 UTM (M)	N. 4,403,595.57	E. 523,442.19

LANDING POINT

NAD'83 S.P.C.(FT)	N. 468,802.6	E. 1,622,470.2
NAD'83 GEO.	LAT-(N) 39.780592	LONG-(W) 80.731277
NAD'83 UTM (M)	N. 4,403,440.1	E. 523,011.3

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 477,519.8	E. 1,617,649.7
NAD'83 GEO.	LAT-(N) 39.804339	LONG-(W) 80.748859
NAD'83 UTM (M)	N. 4,406,071.3	E. 521,498.4



REFERENCES



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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 DECEMBER 2, 20 20
REVISED 12-04-2020, 12-10-2020, 12-22-2020
OPERATORS WELL NO. VAN WINKLE N 4HM
API WELL NO. 47-051-02348 **H/A**
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P4HMR-VER2R2.dwg
VAN WINKLE N 4HM-REV2
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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: GROUND: 755.90' 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 MARCELLUS
ESTIMATED DEPTH TVD: 6,276' / TMD: 16,745'

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 ADDRESS 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313-

HUNTER PETHTEL LEASE VAN WINKLE N 4HM 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"
3,529' T.H.

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	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
D	JOHN E. & JANET E. KELLEY, ET AL	9-10-19	113.08
E	CAROL VAN SCYOC	9-10-2	206.988
F	WALTER J. FECAT, JR., ET UX	9-10-2.2	5.00
G	CAROL VAN SCYOC	9-10-1	118.087
H	CONNIE S. CUNNINGHAM	9-10-1.1	0.482
I	WILLIAM F. RULONG, ET AL	5-10-8	70.6672
J	ROBERT GREGORY MCGUIRE, ET UX	5-9-10	139.60
K	ROBERT GREGORY MCGUIRE, ET UX	5-9-12	78.28

NAD'83 GRID NORTH

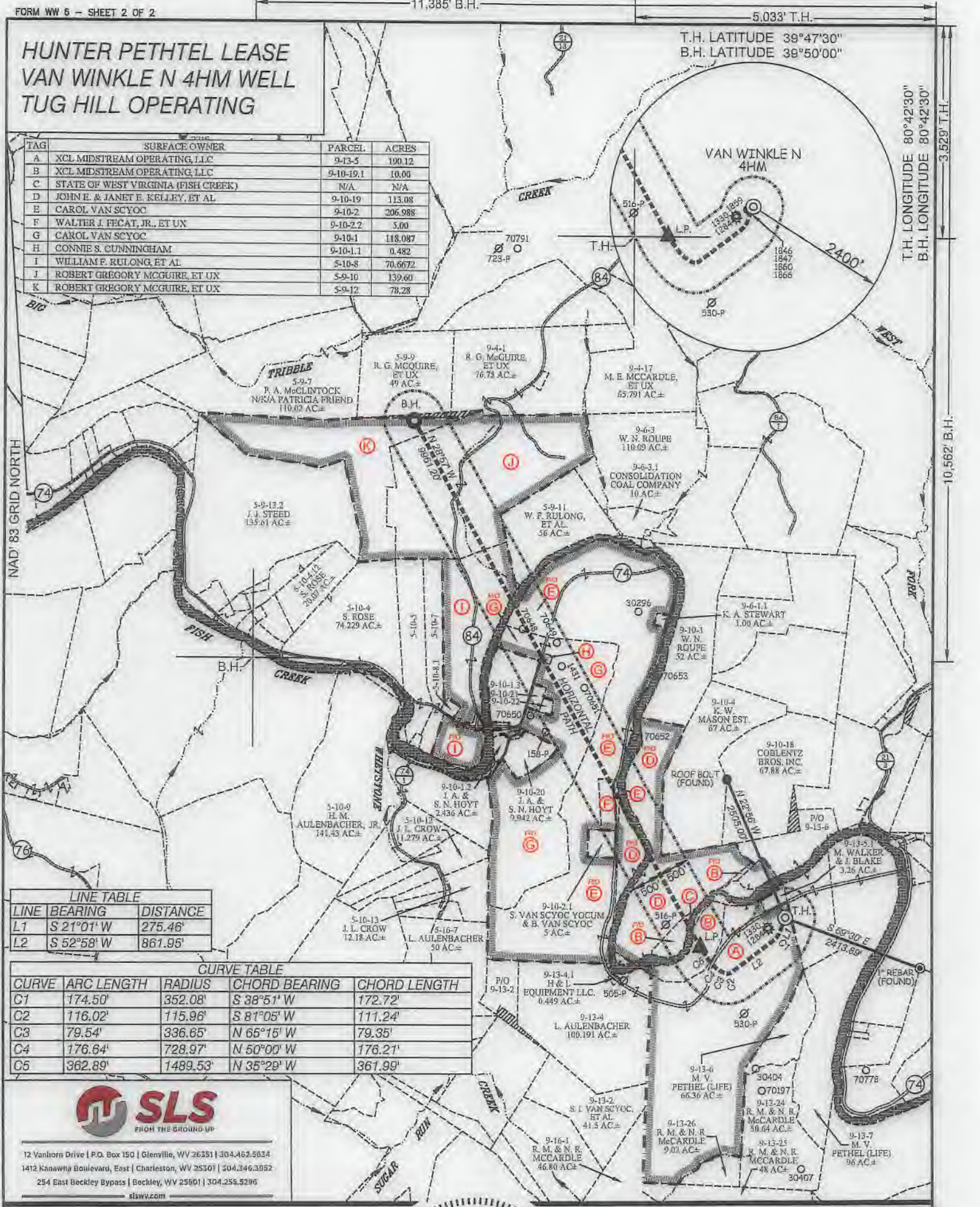
NAD'83 GRID NORTH

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LINE TABLE

LINE	BEARING	DISTANCE
L1	S 21°01' W	275.46'
L2	S 52°58' W	861.95'

CURVE TABLE

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	174.50'	352.08'	S 38°51' W	172.72'
C2	116.02'	115.96'	S 81°05' W	111.24'
C3	79.54'	336.65'	N 65°15' W	79.35'
C4	176.64'	728.97'	N 50°00' W	176.21'
C5	362.89'	1489.53'	N 35°29' W	361.99'



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P.S. 849 *C. Victor Moyers*

SCALE 1" = 2000' FILE NO. 8952P4HMR-VER2R2.dwg
 VAN WINKLE N 4HM-REV2
 DATE DECEMBER 2, 20 20
 REVISED 12-04-2020, 12-10-2020, 12-22-2020
 OPERATORS WELL NO. VAN WINKLE N 4HM
 API WELL NO. 47 - 051 - 02348
 NO. STATE COUNTY PERMIT N/A

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 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