

**HUNTER PETHTEL LEASE
VAN WINKLE N 2HM WELL
TUG HILL OPERATING**

5,052' T.H. 1,340' 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. 469,275.00	E. 1,623,873.28
NAD'83 GEO.	LAT-(N) 39.781941	LONG-(W) 80.726308
NAD'83 UTM (M)	N. 4,403,591.11	E. 523,436.40
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 469,074.6	E. 1,621,128.1
NAD'83 GEO.	LAT-(N) 39.778543	LONG-(W) 80.736017
NAD'83 UTM (M)	N. 4,403,211.4	E. 522,606.2
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 477,422.5	E. 1,615,987.5
NAD'83 GEO.	LAT-(N) 39.804008	LONG-(W) 80.754770
NAD'83 UTM (M)	N. 4,406,033.2	E. 520,992.5

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

PARCEL	SURFACE ADJOINER	ACRES
5-9-13	KAREN M. KAZEMKA (NKA KAREN M. WILSON)	3.69
5-9-14	DENNIS P. CADMUS	136 POLES
5-9-15	DENNIS P. CADMUS	3.85
5-9-16	SHEENA ROSE	1.65
5-9-17	DENNIS P. CADMUS	28.063
5-9-24	DENNIS P. CADMUS	21 AC. 49 P.
5-10-4.2	JACK E. RECTOR	2.887
5-10-4.3	ANTHONY A. & KAREN L. ANKROM	5.697
5-10-4.7	LINDA BECHTOLD, ET AL	2.110
5-10-4.8	SAMUEL FRANKLIN	1.8808
5-10-4.9	JAMES E. & KAREN M. WILSON	0.8692
5-10-4.10	SHEENA ROSE	0.803
5-10-4.11	JASON E. BONNETTE	1.5
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
9-10-1.3	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
9-10-10	LOUIS DELBERT VAN SCYOC	24.50
9-10-12	JOSEPH LEE CROW	11.279
9-10-13	JOSEPH LEE CROW	12.18
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

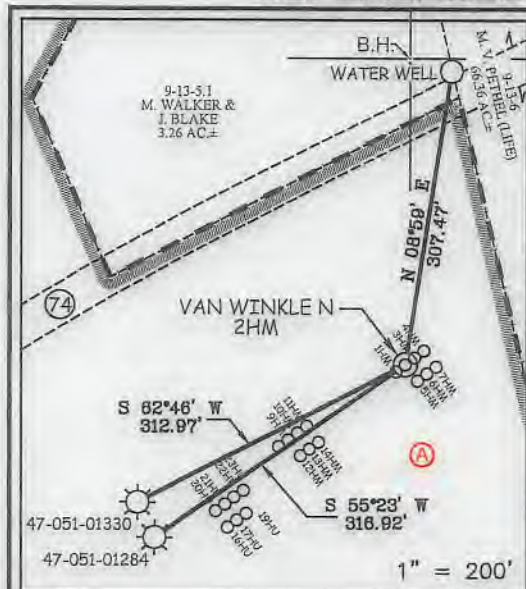
T.H.

10,682' 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.

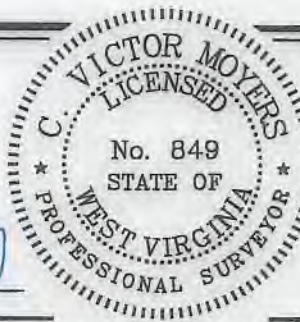
REFERENCES



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
slsvv.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 21, 20 21
REVISED _____
OPERATORS WELL NO. VAN WINKLE N 2HM
API WELL NO. 47 - 051 - 02365
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P2HM.dwg
VAN WINKLE N 2HM-REV1
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 INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: GROUND: 754.00' 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: 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: 6,231' / TMD: 18,098'

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

COUNTY NAME PERMIT

03/19/2021

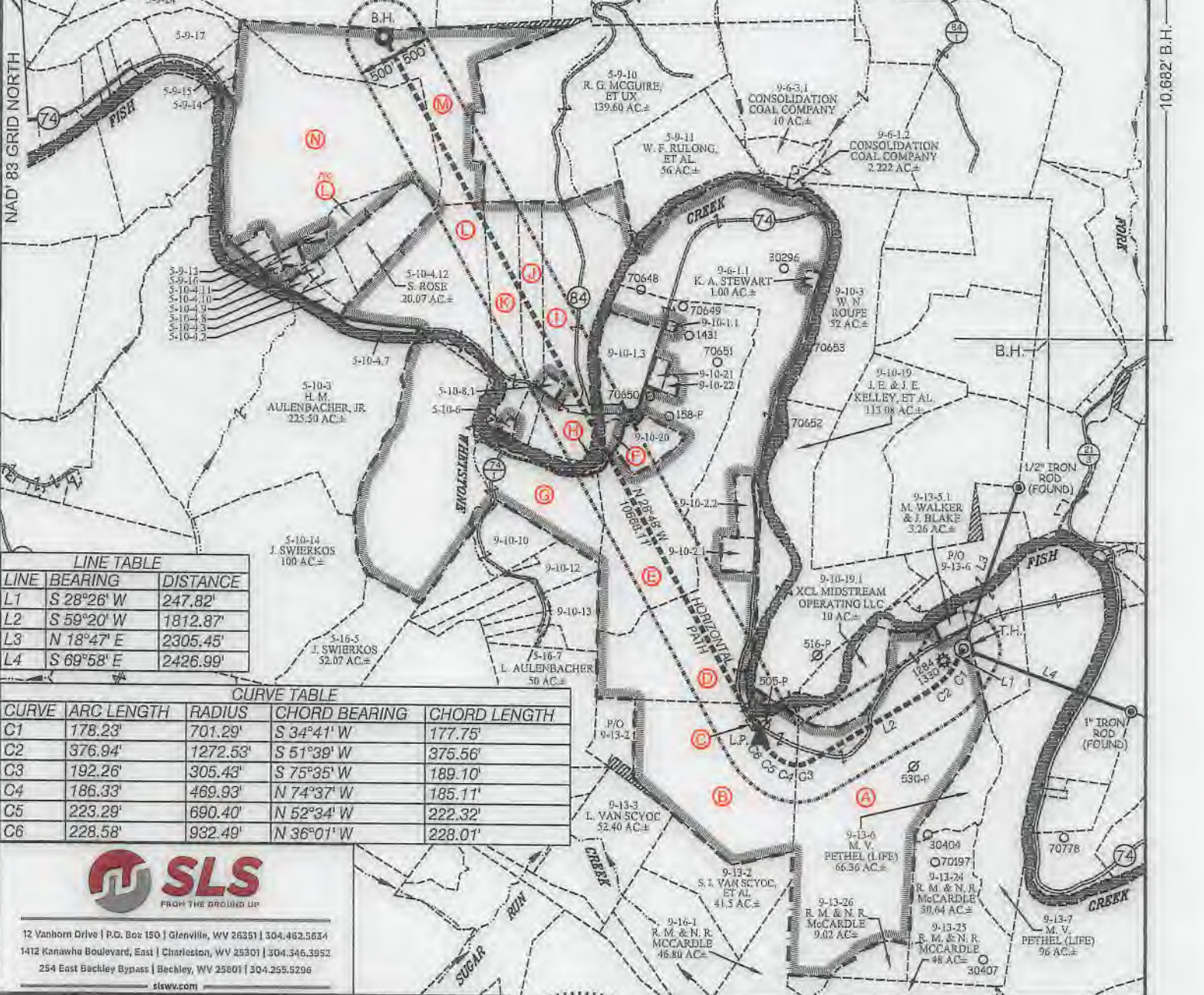
HUNTER PETHTEL LEASE VAN WINKLE N 2HM WELL TUG HILL OPERATING

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TAG	SURFACE OWNER	PARCEL	ACRES
A	XCL MIDSTREAM OPERATING, LLC	9-13-5	190.12
B	LOUIS AULENBACHER	9-13-4	100.191
C	H & L EQUIPMENT, LLC	9-13-4.1	0.449
D	CAROL VAN SCYOC	9-10-2	206.988
E	CAROL VAN SCYOC	9-10-1	118.087
F	JOSHUA A. & SHANNON N. HOYT	9-10-1.2	2.436
G	HERBERT M. AULENBACHER, JR.	5-10-9	141.43
H	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
I	WILLIAM F. RULONG, ET AL	5-10-8	70.6672
J	WILLIAM F. RULONG, ET AL	5-10-7	22.872
K	WILLIAM F. RULONG, ET AL	5-10-3	27.5
L	SHEENA ROSE	5-10-4	229.00
M	ROBERT GREGORY MCQUIRE, ET UX	5-9-12	78.28
N	JASON J. STEED	5-9-13.2	135.61

NAD'83 GRID NORTH



LINE TABLE

LINE	BEARING	DISTANCE
L1	S 28°26' W	247.82'
L2	S 59°20' W	1812.87'
L3	N 18°47' E	2305.45'
L4	S 69°58' E	2426.99'

CURVE TABLE

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	178.23'	701.29'	S 34°41' W	177.75'
C2	376.94'	1272.53'	S 51°39' W	375.56'
C3	192.26'	305.43'	S 75°35' W	189.10'
C4	186.33'	469.93'	N 74°37' W	185.11'
C5	223.29'	690.40'	N 52°34' W	222.32'
C6	228.58'	932.49'	N 36°01' W	228.01'



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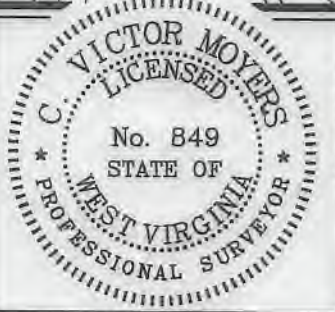
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P.S. 849 *C. Victor Moyers*

SCALE 1" = 2000' FILE NO. B952P2HM.dwg
VAN WINKLE N 2HM-REV1

DATE JANUARY 21, 20 21

REVISED _____

OPERATORS WELL NO. VAN WINKLE N 2HM

API WELL NO. 47 - 051 - 02365

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
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-6A1)

03/19/2021

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

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