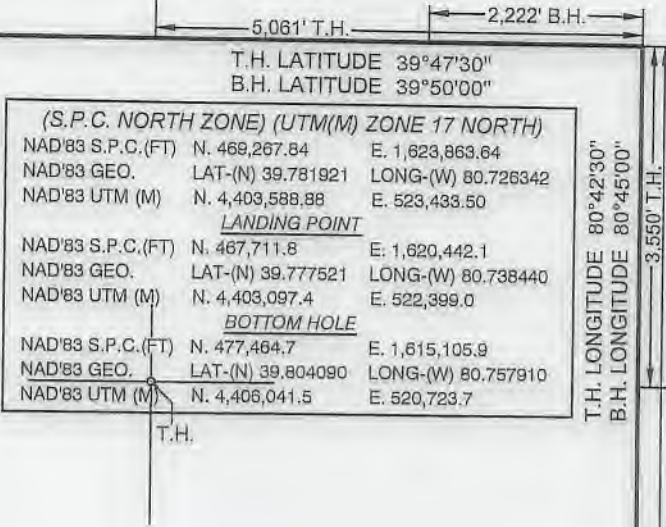


**HUNTER PETHTEL LEASE
VAN WINKLE N 1HM WELL
TUG HILL OPERATING**

| 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 |
| 9-10-1.2 | JOSHUA A. & SHANNON N. HOYT | 2.436 |
| 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 |
| 9-13-4.1 | H & L EQUIPMENT, LLC | 0.449 |



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 20, 20 21
REVISED _____
OPERATORS WELL NO. VAN WINKLE N 1HM
API WELL NO. 47 - 051 - 02363
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P1HM.dwg
VAN WINKLE N 1HM-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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: GROUND: 756.10' 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 03/19/2021

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: 6,220' / TMD: 19,015'

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

HUNTER PETHTEL LEASE VAN WINKLE N 1HM WELL TUG HILL OPERATING

5,061' T.H. 2,222' B.H.
T.H. LATITUDE 39°47'30"
B.H. LATITUDE 39°50'00"

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

| TAG | SURFACE OWNER | PARCEL | ACRES |
|-----|--|-----------|---------|
| A | XCL MIDSTREAM OPERATING, LLC | 9-13-5 | 190.12 |
| B | LOUIS AULENBACHER | 9-13-4 | 100.191 |
| C | CAROL VAN SCYOC | 9-10-2 | 206.988 |
| D | CAROL VAN SCYOC | 9-10-1 | 118.087 |
| E | HERBERT M. AULENBACHER, JR. | 5-10-9 | 141.43 |
| F | STATE OF WEST VIRGINIA (FISH CREEK) | N/A | N/A |
| G | WILLIAM F. RULONG, ET AL | 5-10-8 | 70.6672 |
| H | WILLIAM F. RULONG, ET AL | 5-10-7 | 22.872 |
| I | WILLIAM F. RULONG, ET AL | 5-10-5 | 27.5 |
| J | HISTORIC SCHOOL LOT (NOW IN WVDOR ROW) | N/A | N/A |
| K | SHEENA ROSE | 5-10-4 | 229.00 |
| L | SHEENA ROSE | 5-10-4.12 | 20.07 |
| M | JASON J. STEED | 5-9-13.2 | 135.61 |
| N | ROBERT GREGORY MCQUIRE, ET UX | 5-9-12 | 78.28 |

NAD'83 GRID NORTH

| LINE | BEARING | DISTANCE |
|------|------------|----------|
| L1 | S 31°00' W | 289.93' |
| L2 | S 60°37' W | 2381.36' |
| L3 | N 18°57' E | 2315.34' |
| L4 | S 70°13' E | 2433.61' |

| CURVE | ARC LENGTH | RADIUS | CHORD BEARING | CHORD LENGTH |
|-------|------------|----------|---------------|--------------|
| C1 | 355.47' | 1131.70' | S 43°37' W | 354.01' |
| C2 | 322.23' | 2367.88' | S 58°01' W | 321.98' |
| C3 | 324.69' | 400.01' | S 78°08' W | 231.34' |
| C4 | 302.81' | 527.35' | N 66°24' W | 298.67' |
| C5 | 293.90' | 754.11' | N 39°33' W | 292.05' |



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5554
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3852
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsvv.com

| (S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH) | | | |
|--|-------------------|--------------------|--|
| NAD'83 S.P.C.(FT) | N. 469,267.84 | E. 1,823,863.64 | |
| NAD'83 GEO. | LAT-(N) 39.731921 | LONG-(W) 80.726342 | |
| NAD'83 UTM (M) | N. 4,403,588.88 | E. 523,433.50 | |
| LANDING POINT | | | |
| NAD'83 S.P.C.(FT) | N. 467,711.8 | E. 1,820,442.1 | |
| NAD'83 GEO. | LAT-(N) 39.777521 | LONG-(W) 80.738440 | |
| NAD'83 UTM (M) | N. 4,403,097.4 | E. 522,389.0 | |
| BOTTOM HOLE | | | |
| NAD'83 S.P.C.(FT) | N. 477,484.7 | E. 1,615,105.9 | |
| NAD'83 GEO. | LAT-(N) 39.804090 | LONG-(W) 80.757910 | |
| NAD'83 UTM (M) | N. 4,406,041.5 | E. 520,723.7 | |



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

P.S. 849 *C. Victor Moyers*

| | |
|---------------------------|-------|
| 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) | (A) |
| LEASE # (SEE WW-6A1) | |

SCALE 1" = 2000' FILE NO. 8952P1HM.dwg
VAN WINKLE N 1HM-REV1
DATE JANUARY 20, 2021
REVISED
OPERATORS WELL NO. VAN WINKLE N 1HM
API WELL NO. 47 — 051 — 02363
STATE COUNTY PERMIT

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

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