

**HUNTER PETHTEL LEASE
UTICA UNIT - 430.84 AC±
VAN WINKLE S 22HU WELL
TUG HILL OPERATING**

T.H. LATITUDE 39°47'30"
B.H. LATITUDE 39°45'00"

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

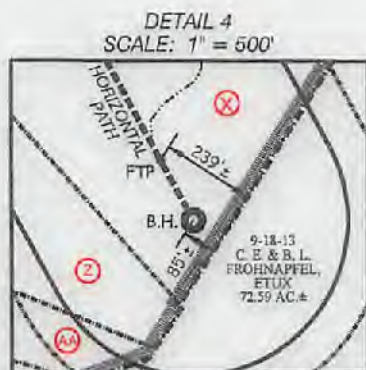
| | | |
|----------------------|-------------------|--------------------|
| NAD 83 S.P.C. (FT) | N. 489,138.83 | E. 1,623,895.36 |
| NAD 83 GEO. | LAT-(N) 39.781555 | LONG-(W) 80.726935 |
| NAD 83 UTM (M) | N. 4,403,548.05 | E. 523,382.90 |
| LANDING POINT | | |
| NAD 83 S.P.C. (FT) | N. 488,855.0 | E. 1,623,595.3 |
| NAD 83 GEO. | LAT-(N) 39.780778 | LONG-(W) 80.727277 |
| NAD 83 UTM (M) | N. 4,403,461.7 | E. 523,353.8 |
| BOTTOM HOLE | | |
| NAD 83 S.P.C. (FT) | N. 455,986.2 | E. 1,630,688.4 |
| NAD 83 GEO. | LAT-(N) 39.745715 | LONG-(W) 80.701428 |
| NAD 83 UTM (M) | N. 4,399,577.3 | E. 525,580.3 |

T.H. LONG. 80°42'30"
B.H. LONG. 80°40'00"

3,684' T.H.

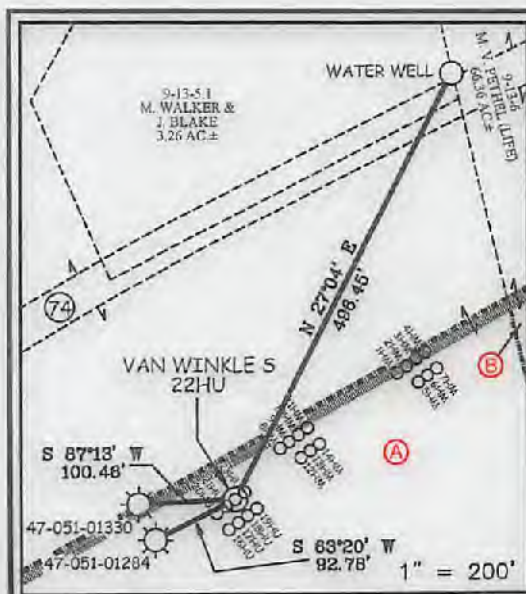
| TAG | SURFACE OWNER | PARCEL | ACRES |
|-----|-------------------------------------|-----------|---------|
| A | XCL MIDSTREAM OPERATING, LLC | 9-13-5 | 190.12 |
| B | MARY VIRGINIA PETHTEL (LIFE) | 9-13-6 | 66.36 |
| C | MARY VIRGINIA PETHTEL (LIFE) | 9-13-7 | 96.00 |
| D | STATE OF WEST VIRGINIA (FISH CREEK) | N/A | N/A |
| E | SHUTLER FAMILY TRUST | 9-13-8 | 56.04 |
| F | MARGARET FOX (LIFE) | 9-13-23 | 1.52 |
| G | EUGENE A. SCHERRER | 9-13-22.2 | 0.925 |
| H | ROBERT M. & NANCY MCCARDLE | 9-13-24 | 50.64 |
| I | HENRY, JR. & BARBARA DICK | 9-13-22.1 | 11.82 |
| J | TRICYCLE LLC | 9-13-22 | 42.27 |
| K | SHUTLER FAMILY TRUST | 9-13-21 | 81.49 |
| L | JAMES G. RICHMOND | 9-16-8 | 39.00 |
| M | DANIEL JAY FITZWATER | 9-13-20 | 104.5 |
| N | JAMES G. RICHMOND | 9-16-9 | 22.71 |
| O | IVAN H. & MARGARET A. RICHMOND | 9-13-16 | 21,354 |
| P | IVAN H. & MARGARET A. RICHMOND | 9-16-12.8 | 0.85 |
| Q | TIMOTHY S. & GRETCHEN M. KIDD | 9-16-12.5 | 1.23 |
| R | JAMES RICHMOND | 9-16-12 | 28.638 |
| S | JAMES G. RICHMOND | 9-16-11 | 67.8822 |
| T | PAUL R. BLAKE | 9-16-13 | 97.9962 |
| U | WILLIAM B. KLUG, ET UX ESTS. | 9-18-5 | 122.437 |
| V | LOUIS T. FOX | 9-16-20 | 86.174 |
| W | LOUIS FOX | 9-18-6 | 141.75 |
| X | VINCENT J. WAYMAN, ET UX | 9-18-17 | 68.99 |
| Y | VINCENT J. WAYMAN, ET UX | 9-18-17.1 | 1.010 |
| Z | ROBERT F. VILLERS | 9-18-16 | 62.893 |
| AA | ROBERT F. & APRIL L. VILLERS | 9-18-16.4 | 1.509 |

| PARCEL | SURFACE ADJOINER | ACRES |
|-------------|--|------------|
| 9-13-8 | SHUTLER FAMILY TRUST | 56.04 |
| 9-13-16.1 | IVAN H. & MARGARET A. RICHMOND | 1.518 |
| 9-16-10 | IVAN H. & MARGARET A. RICHMOND | 1.518 |
| 9-16-12.2 | SPENCER J. & CARRIE A. RICHMOND | 0.575 |
| 9-16-12.3 | TIMOTHY S. & GRETCHEN M. KIDD | 0.937 |
| 9-16-12.4 | TRUAX FAMILY TRUST | 0.516 |
| 9-16-12.6 | SPENCER J. & CARRIE A. RICHMOND | 0.141 |
| 9-16-12.7 | SPENCER J. & CARRIE A. RICHMOND | 0.55 |
| 9-16-13.1 | PAUL W. BLAKE (LIFE), WESLEY D. YEATER, JR., ET AL | 0.91 |
| 9-16-13.2 | ELEANOR M. FOX EST. | 1.570 |
| 9-16-13.3 | PAUL R. BLAKE | 0.7538 |
| 9-16-13.4 | JOHN FOX | 0.533 |
| 9-16-13.5 | PAUL R. BLAKE & PAUL R. BLAKE II | 2.921 |
| 9-16-13.6 | WESLEY D. YEATER, ET UX | 2.144 |
| 9-16-15 | RONALD R. YOUNG ET UX | 52.02 |
| P/O 9-16-15 | RONALD R. YOUNG ET UX | 4.033 |
| 9-16-16 | CLINTON B. WHITELATCH, SR., ET UX ESTS. | 1 AC 5.6 P |
| 9-16-17 | ELEANOR M. FOX EST. | 0.741 |



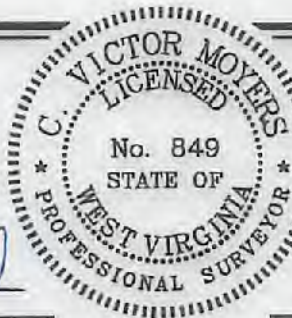
NOTES ON SURVEY

- 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.
- PROPOSED LATERAL OR TOP HOLE OF VAN WINKLE S-22HU IS WITHIN 3000' OF TOP HOLES OR LATERALS OF: PROPOSED VAN WINKLE N-16HU, PROPOSED VAN WINKLE N-17HU, PROPOSED VAN WINKLE N-18HU, PROPOSED VAN WINKLE N-19HU, PROPOSED VAN WINKLE S-20HU, PROPOSED VAN WINKLE S-21HU, PROPOSED VAN WINKLE S-23HU, KNOB CREEK N-11HU (47-051-02237), KNOB CREEK S-14HU (47-051-02288).



12 Vaihorn Drive | P.O. Box 180 | Glenville, WV 26031 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.546.5932
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsvw.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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JANUARY 14, 20 21
REVISED 3/3/21 & 3/12/21

P.S. 849 *C. Victor Moyers*

OPERATORS WELL NO. VAN WINKLE S 22HU
API WELL NO. 47 - 051 - 02355 Deep
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P22HUR2.dwg
VAN WINKLE S 22HU-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 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 190.12 ±

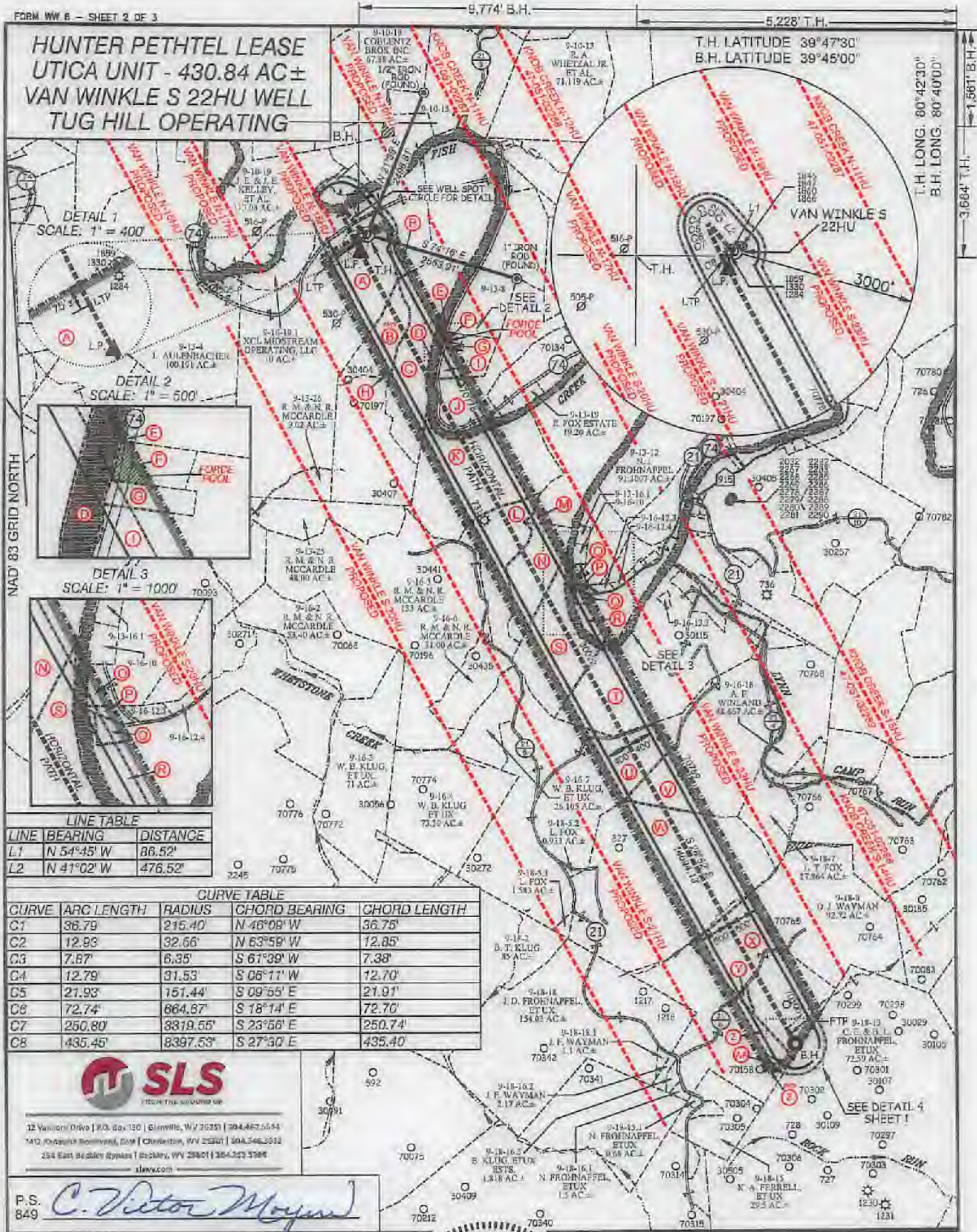
PROPOSED WORK:
DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION POINT PLEASANT
ESTIMATED DEPTH TVD: 11,239' / TMD: 26,212'

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

07/16/2024

**HUNTER PETHTEL LEASE
UTICA UNIT - 430.84 AC±
VAN WINKLE S 22HU WELL
TUG HILL OPERATING**



**DETAIL 1
SCALE: 1" = 400'**



**DETAIL 2
SCALE: 1" = 500'**



**DETAIL 3
SCALE: 1" = 1000'**



LINE TABLE

| LINE | BEARING | DISTANCE |
|------|------------|----------|
| L1 | N 54°45' W | 86.52' |
| L2 | N 41°02' W | 476.52' |

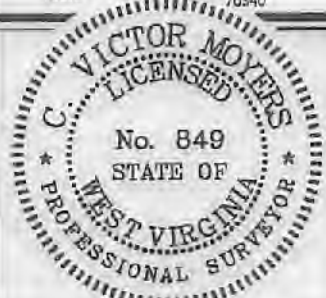
CURVE TABLE

| CURVE | ARC LENGTH | RADIUS | CHORD BEARING | CHORD LENGTH |
|-------|------------|----------|---------------|--------------|
| C1 | 36.79' | 215.40' | N 46°09' W | 36.75' |
| C2 | 12.93' | 32.66' | N 63°59' W | 12.85' |
| C3 | 7.87' | 6.35' | S 61°39' W | 7.38' |
| C4 | 12.79' | 31.53' | S 08°11' W | 12.70' |
| C5 | 21.93' | 151.44' | S 09°55' E | 21.91' |
| C6 | 72.74' | 664.67' | S 18°14' E | 72.70' |
| C7 | 250.80' | 3319.55' | S 23°56' E | 250.74' |
| C8 | 435.45' | 8397.53' | S 27°30' E | 435.40' |



22 Veterans Drive | P.O. Box 130 | Glenville, WV 26031 | 304.467.5644
 140 Orchard Roadway, One | Charleston, WV 25301 | 304.546.3312
 254 East Beckley Square | Beckley, WV 25801 | 304.323.5398
 sls.com

P.S. *C. Victor Moyers*
 849



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

LEGEND

- UNIT BOUNDARY
- LEASED TRACTS INSIDE UNIT BOUNDARY
- SURFACE LINE
- PROPOSED UTICA
- WELL LATERAL
- 400' OFFSET LINE
- 500' OFFSET LINE
- TIE LINE
- FORCE POOL TRACT
- CREEK
- ROAD
- PROPOSED FIRST TAKE POINT
- PROPOSED LAST TAKE POINT
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE ADDITIONAL SHEETS)

SCALE 1" = 2000' FILE NO. 8952P22HUR2.dwg
 VAN WINKLE S 22HU-REV3
 DATE JANUARY 14, 20 21
 REVISED 3/3/21 & 3/12/21
 OPERATORS WELL NO. VAN WINKLE S 22HU
 API WELL NO. 47 - 051 - 02355
 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 78107
 DESIGNATED AGENT DIANNA STAMPER CT CORPORATION SYSTEM ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

**HUNTER PETHTEL LEASE
UTICA UNIT - 430.84 AC±
VAN WINKLE S 22HU WELL
TUG HILL OPERATING**



12 Vanhous 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

| NO. | Lease ID | Parcel | Tag | Grantor, Lessor, Etc. | Deed Book/Page |
|-----|----------------|------------|-----|--|----------------|
| 1 | 10*31312 | 9-13-5 | A | DENNIS W & KATHY A HUNTER | 668 155 |
| 2 | 10*31303 | 9-13-6 | B | MARY V & FRANK E PETHTEL, ET AL | 668 525 |
| 3 | 10*28265 | 9-18-16,4 | AA | ROBERT F VILLERS AND APRIL L MILLERS | 1073 381 |
| 4 | 10*31303 | 9-13-7 | C | MARY V & FRANK E PETHTEL, ET AL | 668 525 |
| 5 | 10*23458 | Fish Creek | D | WEST VIRGINIA DIVISION OF NATURAL RESOURCES | 1019 373 |
| 6 | 10*28299 | 9-13-8 | E | THE SHUTLER FAMILY TRUST | 1070 425 |
| 7 | ** | 9-13-23 | F | THOMAS JOHN FOX, ET AL | |
| 8 | 10*27247 | 9-13-22,2 | G | DANIEL R JOHNSON AND JOANNA L JOHNSON, ET AL | 1053 3 |
| 9 | 10*21131 | 9-13-24 | H | ROBERT M MCCARDLE & NANCY R MCCARDLE, ET AL | 951 621 |
| 10 | 10*27247 | 9-13-22,1 | I | DANIEL R JOHNSON AND JOANNA L JOHNSON, ET AL | 1053 3 |
| 11 | 10*27247 | 9-13-22 | J | DANIEL R JOHNSON AND JOANNA L JOHNSON, ET AL | 1053 3 |
| 12 | 10*23197 | 9-13-21 | K | J W KELLEY AND R A KELLEY | 63 156 |
| 13 | 10*23197 | 9-16-8 | L | J W KELLEY AND R A KELLEY | 63 156 |
| 14 | 10*18527 | 9-13-20 | M | ANN TURNER YOUNG SHRIVER, ET AL | 933 589 |
| 15 | 10*16481 | 9-16-9 | N | JAMES G RICHMOND AND CINDY L RICHMOND | 829 71 |
| 16 | 10*17895 | 9-13-16 | O | IVAN H RICHMOND AND MARGARET A RICHMOND | 924 543 |
| 17 | 10*17895 | 9-16-12,8 | P | IVAN H RICHMOND AND MARGARET A RICHMOND | 924 543 |
| 18 | 10*16481 | 9-16-12,5 | Q | JAMES G RICHMOND AND CINDY L RICHMOND | 829 71 |
| 19 | 10*16481 | 9-16-12 | R | JAMES G RICHMOND AND CINDY L RICHMOND | 829 71 |
| 20 | 10*16481 | 9-16-11 | S | JAMES G RICHMOND AND CINDY L RICHMOND | 829 71 |
| 21 | 10*47051.135.0 | 9-16-13 | T | PAUL R BLAKE | 878 280 |
| 22 | 10*22789 | 9-18-5 | U | DONNA K FAHEY | 962 87 |
| 23 | 10*27947 | 9-18-5 | U | STONE HILL MINERALS HOLDINGS LLC | 1063 553 |
| 24 | 10*28268 | 9-18-5 | U | JOSEPH & ELIZABETH SHUTLER | 63 203 |
| 25 | 10*23726 | 9-16-20 | V | LOUIS T FOX | 1011 520 |
| 26 | 10*27395 | 9-16-20 | V | LYNN CAMP UNITED METHODIST CHURCH | 1058 376 |
| 27 | 10*28268 | 9-18-6 | W | JOSEPH & ELIZABETH SHUTLER | 63 203 |
| 28 | 10*47051.136.0 | 9-18-17 | X | VINCENT J WAYMAN AND KATHY JO WAYMAN | 885 273 |
| 29 | 10*47051.136.0 | 9-18-17,1 | Y | VINCENT J WAYMAN AND KATHY JO WAYMAN | 885 273 |
| 30 | 10*28265 | 9-18-16 | Z | ROBERT F VILLERS AND APRIL L VILLERS | 1073 381 |

FILE NO. 8952P22HUR2.dwg
VAN WINKLE S 22HU-REV3

DATE JANUARY 14, 20 21

REVISED 3/3/21 & 3/12/21

OPERATORS WELL NO. VAN WINKLE S 22HU

API WELL NO. 47 — 051 — 02355
STATE COUNTY PERMIT



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



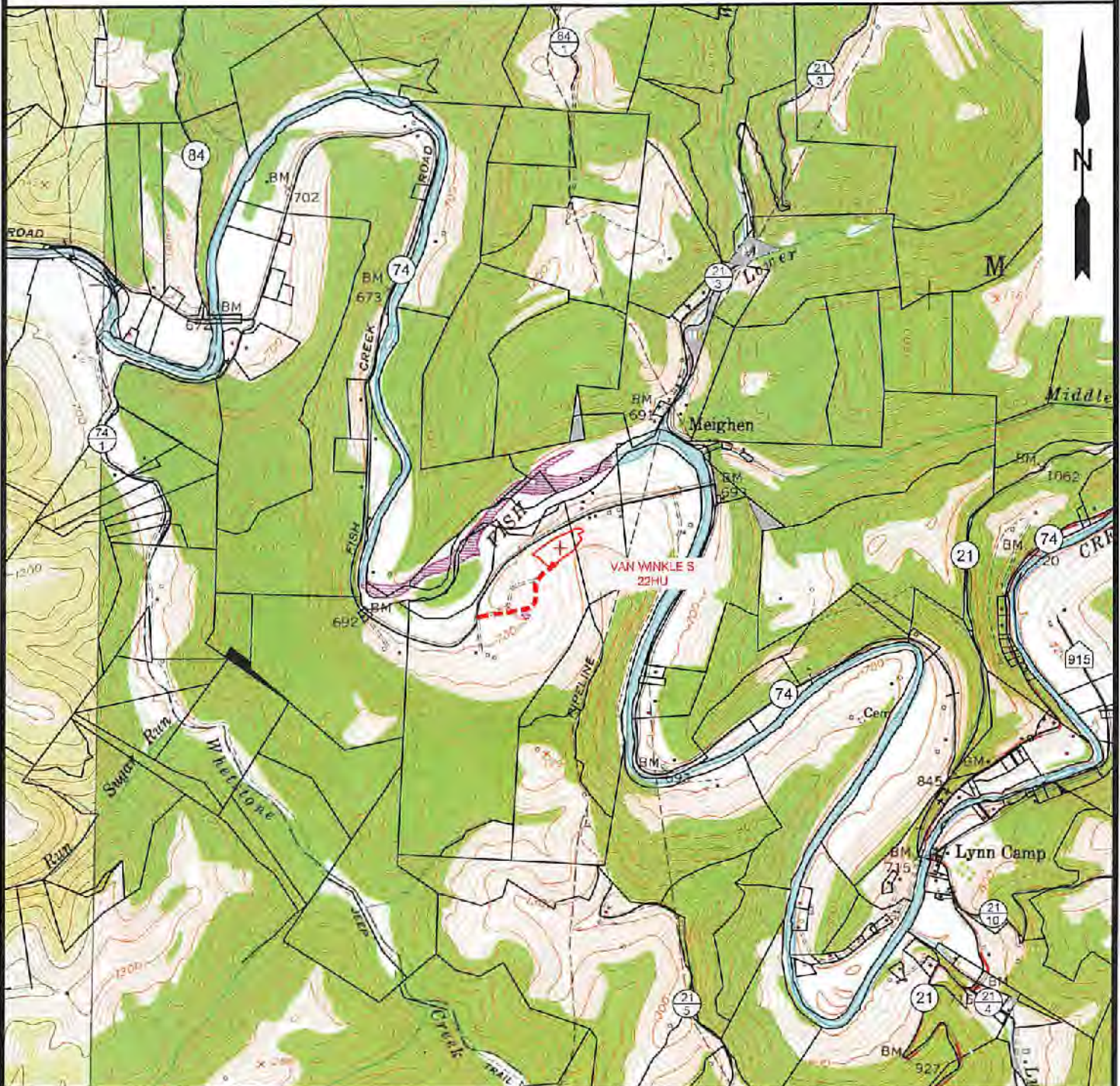
P.S. 849 C. Victor Moyers

COUNTY NAME PERMIT

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

PROPOSED VAN WINKLE S - 22HU



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 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.8884
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3552
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.9296
sllwv.com

| | | | |
|------------------|----------|-------------------------|------------|
| TOPO SECTION: | | OPERATOR: | |
| GLEN EASTON 7.5' | | PREPARED FOR: | |
| COUNTY | DISTRICT | TUG HILL OPERATING, LLC | |
| MARSHALL | MEADE | 380 SOUTHPOINTE BLVD | |
| DRAWN BY | JOB NO. | SUITE 200 | |
| K.G.M. | 8952 | CANONSBURG, PA 15317 | |
| | | DATE | SCALE |
| | | 12/24/2020 | 1" = 2000' |



07/16/2021