

9,872' B.H.

5,160' T.H.

**HUNTER PETHTEL LEASE  
VAN WINKLE S 12HM 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. 469,180.00     | E. 1,623,763.80    |
| NAD'83 GEO.                                | LAT-(N) 39.781676 | LONG-(W) 80.726693 |
| NAD'83 UTM (M)                             | N. 4,403,561.61   | E. 523,403.53      |
| LANDING POINT                              |                   |                    |
| NAD'83 S.P.C.(FT)                          | N. 468,751.8      | E. 1,623,437.9     |
| NAD'83 GEO.                                | LAT-(N) 39.780489 | LONG-(W) 80.727832 |
| NAD'83 UTM (M)                             | N. 4,403,429.5    | E. 523,306.4       |
| BOTTOM HOLE                                |                   |                    |
| NAD'83 S.P.C.(FT)                          | N. 455,859.3      | E. 1,630,589.5     |
| NAD'83 GEO.                                | LAT-(N) 39.745363 | LONG-(W) 80.701774 |
| NAD'83 UTM (M)                             | N. 4,399,598.1    | E. 525,550.8       |

B.H.

T.H.

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

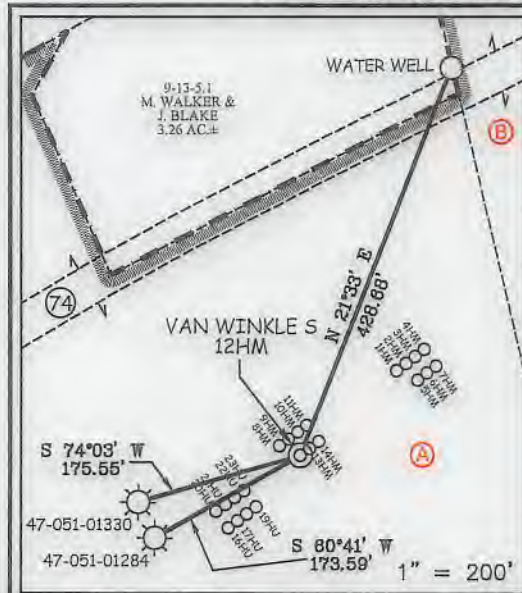
1,689' B.H.  
3,640' T.H.

| PARCEL    | SURFACE ADJOINER                                   | ACRES      |
|-----------|--|------------|
| 9-13-8    | SHUTLER FAMILY TRUST                               | 56.04      |
| 9-13-22.1 | HENRY JR. & BARBARA DICK                           | 11.82      |
| 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      |
| 9-16-16   | CLINTON B. WHITELATCH, SR., ET UX, ESTS.           | 1 AC 5.6 P |
| 9-16-17   | ELEANOR M. FOX EST.                                | 0.741      |
| 9-16-18.1 | ROBIN D. & DAVID G. STEWART                        | 3.333      |

**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 | 304.285.9296  
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 19, 20 21

REVISED \_\_\_\_\_

OPERATORS WELL NO. VAN WINKLE S 12HM

API WELL NO. 47 - 051 - 02361  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P12HM.dwg  
VAN WINKLE S 12HM-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: 756.00' 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 103.2 ±

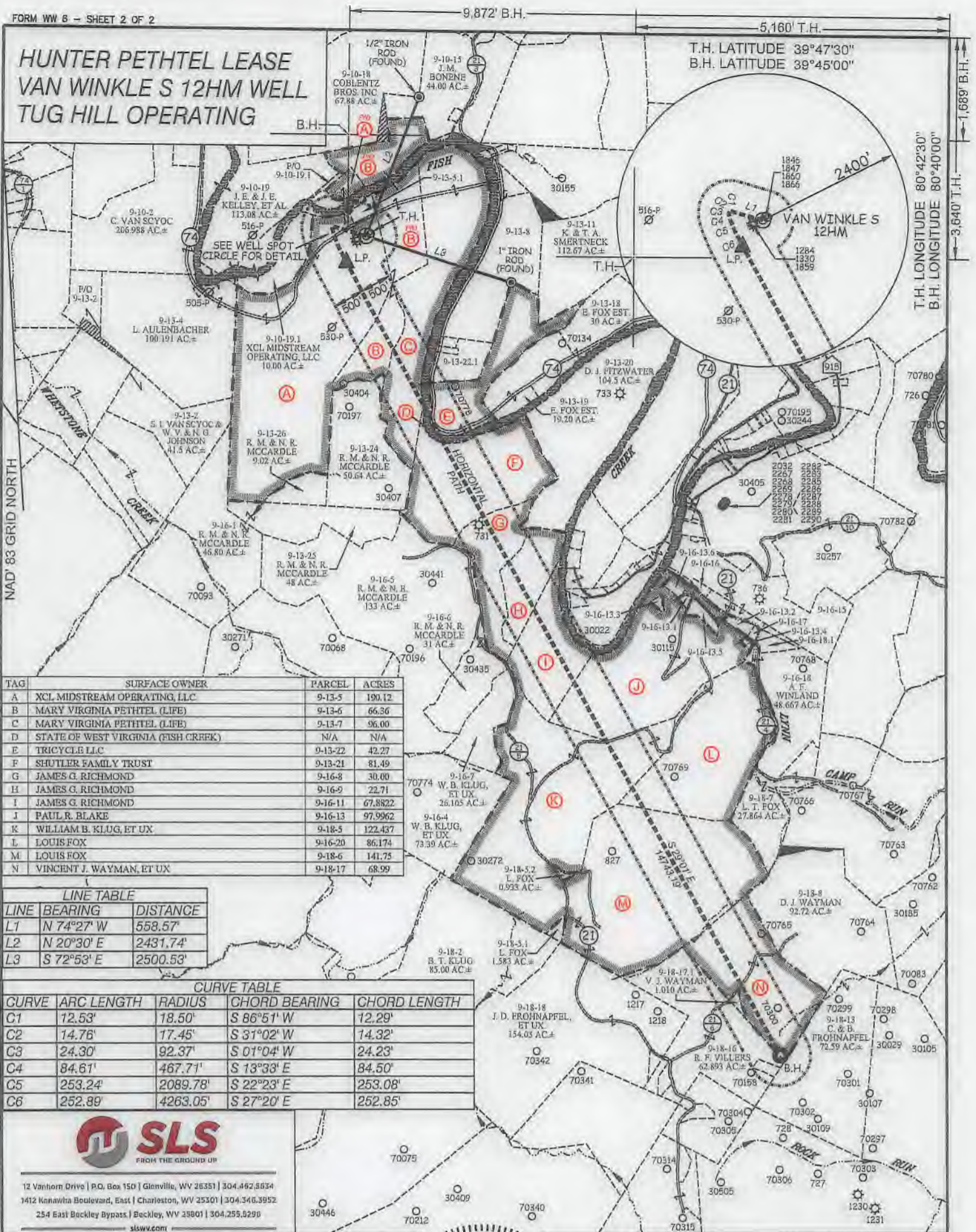
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,292' / TMD: 21,303'

COUNTY NAME  
PERMIT

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

# HUNTER PETHTEL LEASE VAN WINKLE S 12HM WELL TUG HILL OPERATING



| 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   | TRICYCLE LLC                        | 9-13-22 | 42.27   |
| F   | SHUTLER FAMILY TRUST                | 9-13-21 | 81.49   |
| G   | JAMES G. RICHMOND                   | 9-16-8  | 30.00   |
| H   | JAMES G. RICHMOND                   | 9-16-9  | 22.71   |
| I   | JAMES G. RICHMOND                   | 9-16-11 | 67.8822 |
| J   | PAUL R. BLAKE                       | 9-16-13 | 97.9962 |
| K   | WILLIAM B. KLUG, ET UX              | 9-18-5  | 122.437 |
| L   | LOUIS FOX                           | 9-16-20 | 86.174  |
| M   | LOUIS FOX                           | 9-18-6  | 141.75  |
| N   | VINCENT J. WAYMAN, ET UX            | 9-18-17 | 68.99   |

| LINE TABLE |            |          |
|------------|------------|----------|
| LINE       | BEARING    | DISTANCE |
| L1         | N 74°27' W | 558.57'  |
| L2         | N 20°30' E | 2431.74' |
| L3         | S 72°53' E | 2500.53' |

| CURVE TABLE |            |          |               |              |
|-------------|------------|----------|---------------|--------------|
| CURVE       | ARC LENGTH | RADIUS   | CHORD BEARING | CHORD LENGTH |
| C1          | 12.53'     | 18.50'   | S 86°51' W    | 12.29'       |
| C2          | 14.76'     | 17.45'   | S 31°02' W    | 14.32'       |
| C3          | 24.30'     | 92.37'   | S 01°04' W    | 24.23'       |
| C4          | 84.61'     | 467.71'  | S 13°33' E    | 84.50'       |
| C5          | 253.24'    | 2089.78' | S 22°23' E    | 253.08'      |
| C6          | 252.89'    | 4263.05' | S 27°20' E    | 252.85'      |



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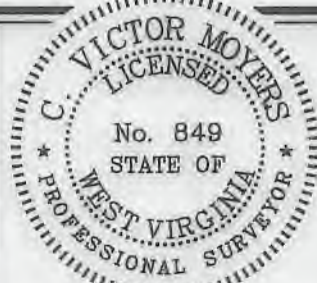
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P.S. 849 *C. Victor Moyers*

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)

SCALE 1" = 2000' FILE NO. 8952P12HM.dwg  
 VAN WINKLE S 12HM-REV1  
 DATE JANUARY 19, 20 21  
 REVISED \_\_\_\_\_  
 OPERATORS WELL NO. VAN WINKLE S 12HM  
 API WELL NO. 47 - 051 - 02361  
 NO. STATE COUNTY PERMIT

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