

**HUNTER PETHTEL LEASE
VAN WINKLE S 13HM 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)

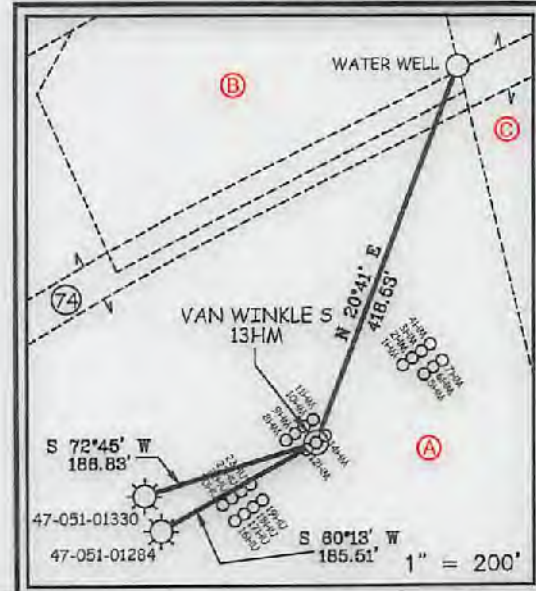
NAD'83 S.P.C.(FT)	N. 469,187.15	E. 1,623,773.44
NAD'83 GEO.	LAT-(N) 39.781698	LONG-(W) 80.726659
NAD'83 UTM (M)	N. 4,403,563.84	E. 523,406.43
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 469,115.4	E. 1,624,136.2
NAD'83 GEO.	LAT-(N) 39.781513	LONG-(W) 80.725865
NAD'83 UTM (M)	N. 4,403,543.8	E. 523,517.3
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 466,575.2	E. 1,631,047.3
NAD'83 GEO.	LAT-(N) 39.747345	LONG-(W) 80.700180
NAD'83 UTM (M)	N. 4,399,758.6	E. 525,686.6

T.H. LONGITUDE 80°42'30"
B.H. LONGITUDE 80°40'00"
3,632' T.H. 968' B.H.



PARCEL	SURFACE ADJOINER	ACRES
9-13-5.1	MICHAEL WALKER & JOSEPH BLAKE	3.26
9-13-16.1	IVAN H. & MARGARET A. RICHMOND	1.518
9-13-22.1	HENRY JR. & BARBARA DICK	11.82
9-13-22.2	EUGENE A. SCHERRER	0.925
9-13-23	MARGARET FOX (LIFE)	1.52
9-16-6	ROBERT M. & NANCY R. MCCARDLE	31.00
9-16-7	WILLIAM B. KLUG, ET UX	26.105
9-16-10	IVAN H. & MARGARET A. RICHMOND	1.518
9-16-12.1	JAMES G. RICHMOND, ET UX	0.691
9-16-12.2	SPENCER J. & CARRIE A. RICHMOND	0.575
9-16-12.3	JAMES G. RICHMOND, ET UX	0.937
9-16-12.4	SHEILA TRUAX, ET VIR	0.516
9-16-12.5	TIMOTHY S. & GRETCHEN M. KIDD	1.23
9-16-12.6	SPENCY J. & CARRIE A. RICHMOND	0.141
9-16-12.7	SPENCY J. & CARRIE A. RICHMOND	0.55
9-16-12.8	IVAN H. & MARGARET A. RICHMOND	0.85
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
9-16-16	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

REFERENCES



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.



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5514
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
234 East Beckley Bypass | Beckley, WV 25801 | 304.253.5296
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.

P.S. 849 *C. Victor Moyers*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JANUARY 19, 20 21
REVISED APRIL 26, 2021
OPERATORS WELL NO. VAN WINKLE S 13HM
API WELL NO. 47 - 051 - 02362
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P13HMR.dwg
VAN WINKLE S 13HM-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 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

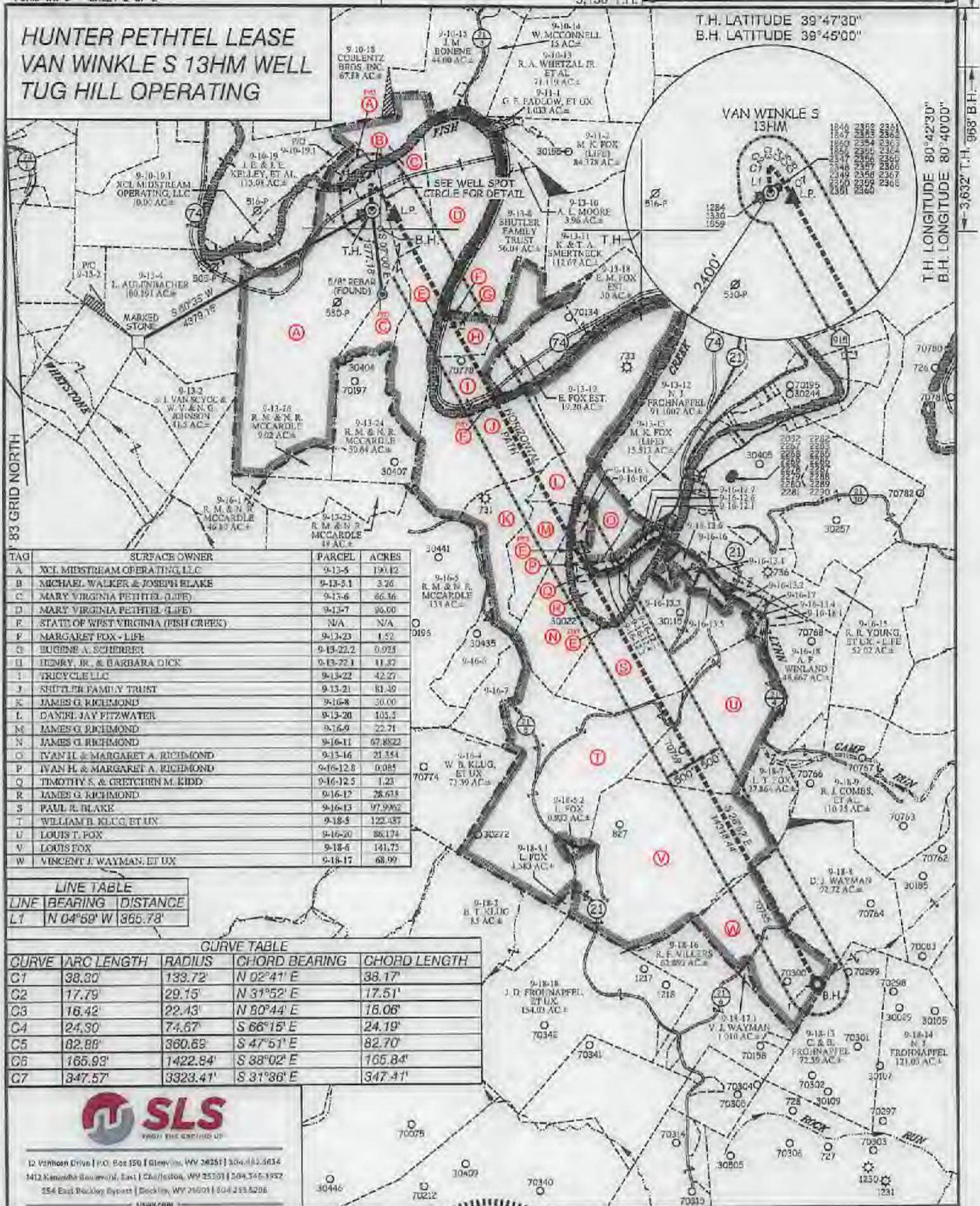
PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,297' / TMD: 20,891'

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

07/16/2021

**HUNTER PETHTEL LEASE
VAN WINKLE S 13HM WELL
TUG HILL OPERATING**



TAG	SURFACE OWNER	PARCEL	ACRES
A	XCL MIDSTREAM OPERATING, LLC	9-13-5	190.42
B	MICHAEL WALKER & JOSEPH BLAKE	9-13-5-1	3.26
C	MARY VIRGINIA PETHTEL (LIFE)	9-13-6	66.56
D	MARY VIRGINIA PETHTEL (LIFE)	9-13-7	96.00
E	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
F	MARGARET FOX - LIFE	9-13-23	1.52
G	BUGINE A. SCHERRER	9-13-22.2	0.923
H	HENRY, JR., & BARBARA DICK	9-13-22.1	11.82
I	TRICYCLE LLC	9-13-22	42.27
J	SHUTLER FAMILY TRUST	9-13-21	81.30
K	JAMES G. RICHMOND	9-16-8	30.00
L	DANIEL JAY FITZWATER	9-13-20	105.5
M	JAMES G. RICHMOND	9-16-9	22.71
N	JAMES G. RICHMOND	9-16-11	67.8922
O	IVAN H. & MARGARET A. RICHMOND	9-13-16	21.554
P	IVAN H. & MARGARET A. RICHMOND	9-16-12.8	0.085
Q	TIMOTHY S. & GRETCHEN M. KIDD	9-16-12.5	1.23
R	JAMES G. RICHMOND	9-16-12	28.673
S	PAUL R. BLAKE	9-16-13	97.9962
T	WILLIAM B. KLUG, ET UX	9-18-5	122.437
U	LOUIS T. FOX	9-16-20	86.174
V	LOUIS FOX	9-18-6	141.75
W	VINCENT J. WAYMAN, ET UX	9-18-17	68.99

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 04°59' W	365.73'

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	38.30'	139.72'	N 02°41' E	38.17'
C2	17.79'	29.15'	N 31°52' E	17.51'
C3	16.42'	22.43'	N 80°44' E	16.06'
C4	24.30'	74.67'	S 66°15' E	24.19'
C5	82.88'	360.69'	S 47°51' E	82.70'
C6	165.93'	1422.84'	S 38°02' E	165.84'
C7	347.57'	3323.41'	S 31°36' E	347.41'



D. Voshon Drive | P.O. Box 150 | Glenview, WV 26031 | 304.482.3634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.1952
354 East Beckley Bypass | Beckley, WV 26001 | 304.239.5296
slsww.com



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

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-8A1)

SCALE 1" = 2000' FILE NO 8552P13HMR.dwg
VAN WINKLE S 13HM-REV1
DATE JANUARY 19, 20 21
REVISED APRIL 26, 2021
OPERATORS WELL NO. VAN WINKLE S 13HM
API WELL NO. 47-051-02362
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

07/16/2022