

**HUNTER PETHTEL LEASE
VAN WINKLE S 9HM WELL
TUG HILL OPERATING**

PARCEL	SURFACE ADJOINER	ACRES
9-10-2.1	SHERRY VAN SCYOC YOCUM & BLAINE VAN SCYOC	5.00
9-10-4	KENNETH W. MASON EST.	67.00
9-13-5.1	MICHAEL WALKER & JOSEPH BLAKE	3.26
9-13-7	MARY VIRGINIA PETHTEL (LIFE)	96.00
9-18-3	WILLIAM B. KLUG, ET UX	1.33
9-18-4	WILLIAM B. KLUG, ET UX	1.00
9-18-15.1	NICHOLAS FROHNAPFEL, ET UX	0.68
9-18-16.1	NICHOLAS FROHNAPFEL, ET UX	1.50
9-18-16.2	JOHN F. WAYMAN	2.17
9-18-16.3	BERNARD KLUG, ET UX ESTS.	1.818
9-18-18.1	JOHN F. WAYMAN	1.10

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

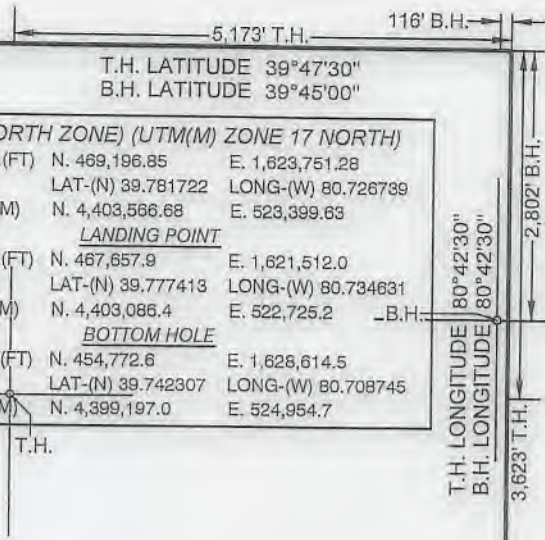
NAD'83 S.P.C.(FT)	N. 469,196.85	E. 1,623,751.28
NAD'83 GEO.	LAT-(N) 39.781722	LONG-(W) 80.726739
NAD'83 UTM (M)	N. 4,403,566.68	E. 523,399.63

LANDING POINT

NAD'83 S.P.C.(FT)	N. 467,657.9	E. 1,621,512.0
NAD'83 GEO.	LAT-(N) 39.777413	LONG-(W) 80.734631
NAD'83 UTM (M)	N. 4,403,086.4	E. 522,725.2

BOTTOM HOLE

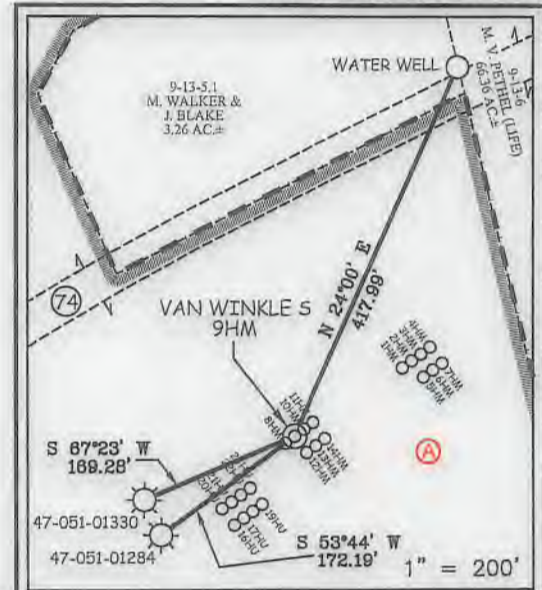
NAD'83 S.P.C.(FT)	N. 454,772.6	E. 1,628,614.5
NAD'83 GEO.	LAT-(N) 39.742307	LONG-(W) 80.708745
NAD'83 UTM (M)	N. 4,399,197.0	E. 524,954.7



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 | 304.346.5952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.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. C. Victor Moyers
849



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JANUARY 13, 20 21
REVISED _____
OPERATORS WELL NO. VAN WINKLE S 9HM
API WELL NO. 47-051-02358 ^{HGA}
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P9HM.dwg
VAN WINKLE S 9HM-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 X LIQUID INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

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 03/12/2021

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X 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: 6,236' / TMD: 21,943'

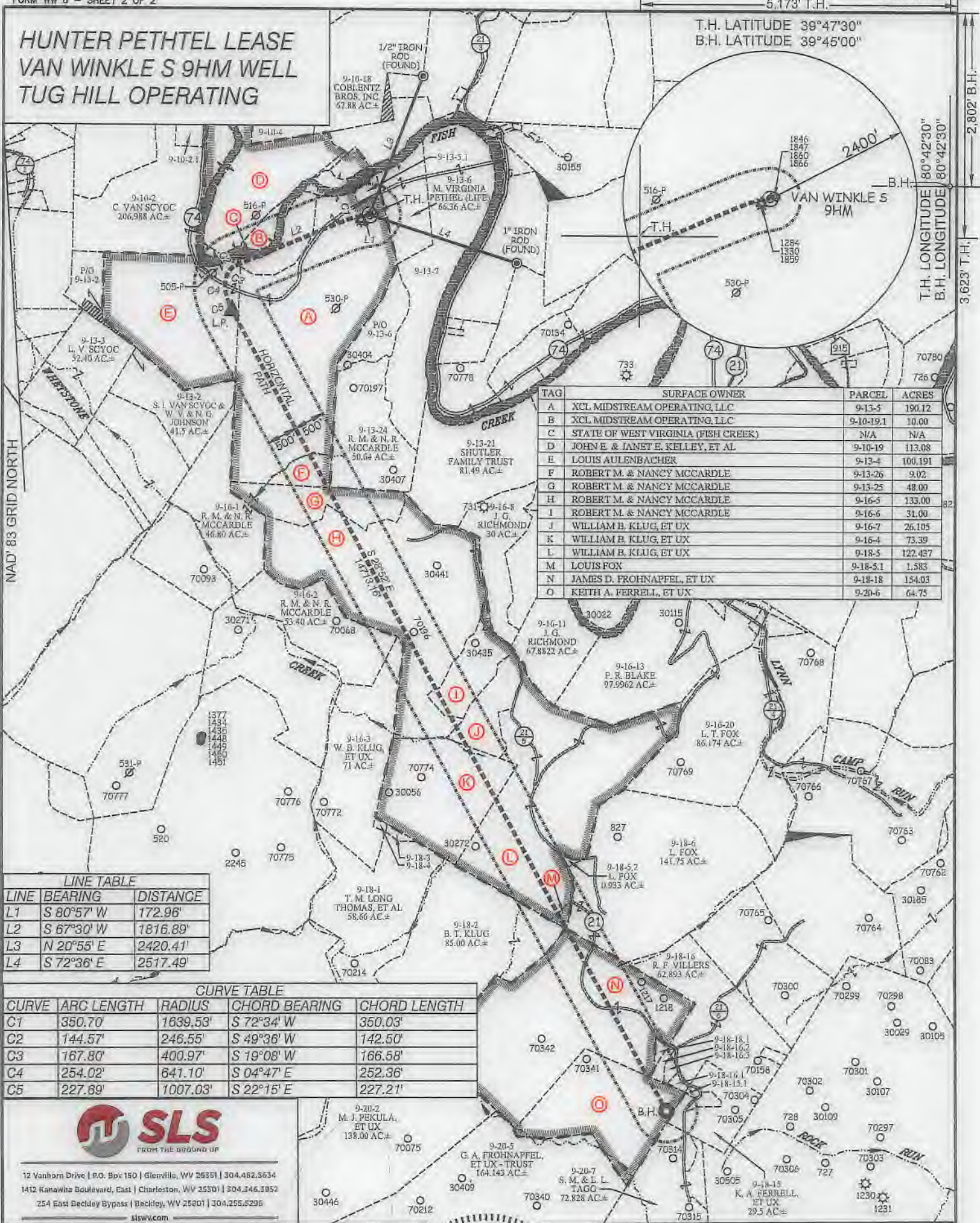
WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS CT CORPORATION SYSTEM
FORT WORTH, TX 76107 ADDRESS 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

COUNTY NAME
PERMIT

HUNTER PETHEL LEASE VAN WINKLE S 9HM WELL TUG HILL OPERATING

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

NAD'83 GRID NORTH



TAG	SURFACE OWNER	PARCEL	ACRES
A	XCL MIDSTREAM OPERATING, LLC	9-13-5	190.12
B	XCL MIDSTREAM OPERATING, LLC	9-10-19.1	10.00
C	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
D	JOHN E & JANET E. KELLEY, ET AL	9-10-19	113.08
E	LOUIS AULENBACHER	9-13-4	100.191
F	ROBERT M. & NANCY MCCARDLE	9-13-26	9.02
G	ROBERT M. & NANCY MCCARDLE	9-13-25	48.00
H	ROBERT M. & NANCY MCCARDLE	9-16-5	133.00
I	ROBERT M. & NANCY MCCARDLE	9-16-6	31.00
J	WILLIAM B. KLUG, ET UX	9-16-7	26.105
K	WILLIAM B. KLUG, ET UX	9-16-4	73.39
L	WILLIAM B. KLUG, ET UX	9-16-5	122.437
M	LOUIS FOX	9-18-3.1	1.583
N	JAMES D. FROHNAPFEL, ET UX	9-18-18	154.03
O	KEITH A. FERRELL, ET UX	9-20-6	64.75

LINE	BEARING	DISTANCE
L1	S 80°57' W	172.96'
L2	S 67°30' W	1816.89'
L3	N 20°55' E	2420.41'
L4	S 72°36' E	2517.49'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	350.70'	1839.53'	S 72°34' W	350.03'
C2	144.57'	246.55'	S 49°36' W	142.50'
C3	167.80'	400.97'	S 19°08' W	166.58'
C4	254.02'	641.10'	S 04°47' E	252.36'
C5	227.69'	1007.03'	S 22°15' E	227.21'

12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634
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slsvw.com

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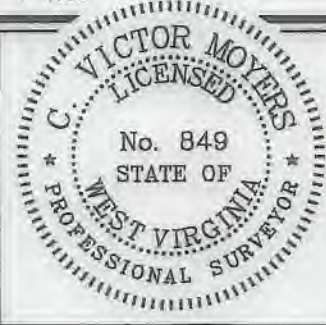
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P.S. 849 *C. Victor Moyers*

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)

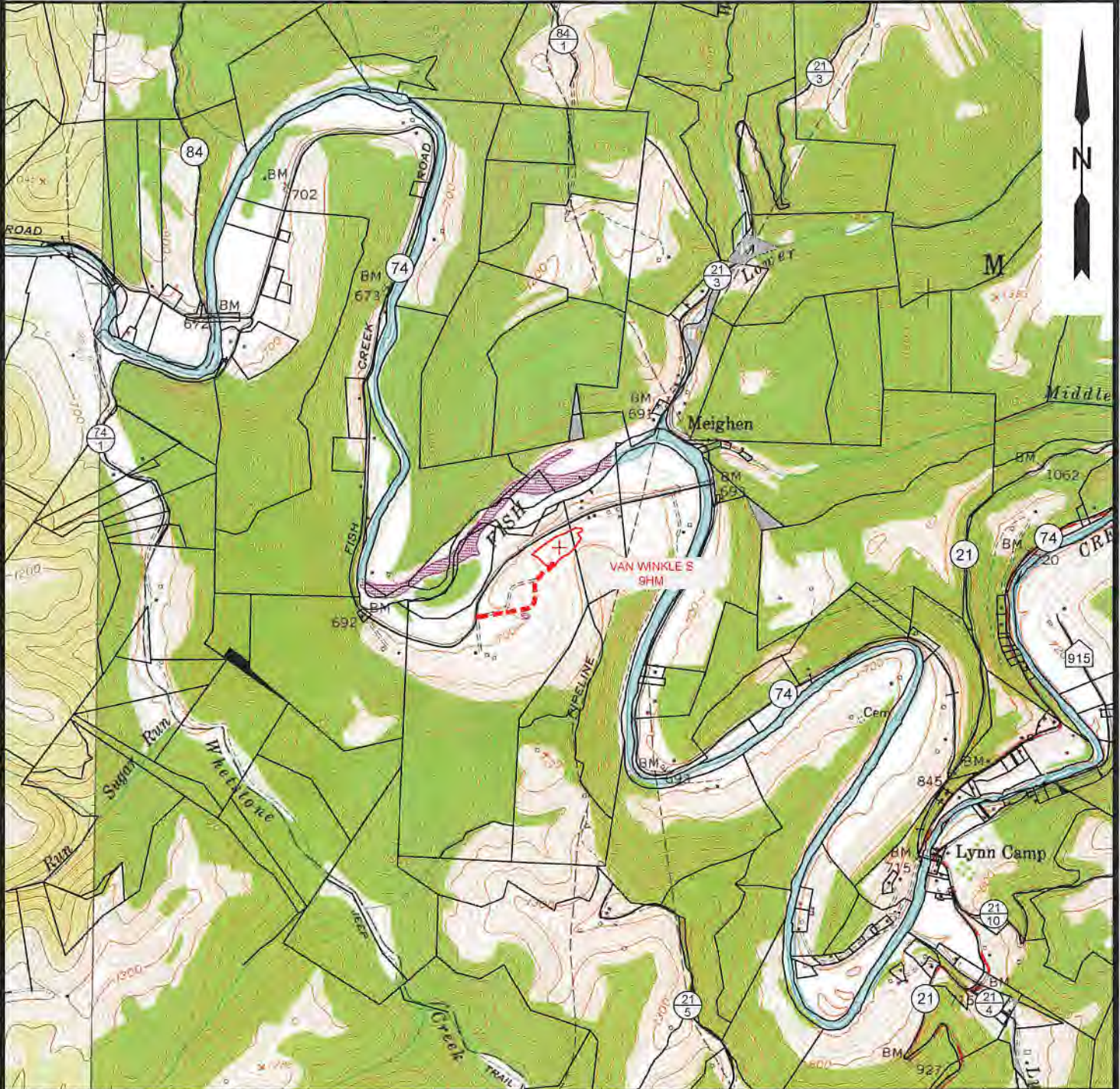
SCALE 1" = 2000' FILE NO. 8952P9HM.dwg
VAN WINKLE S 9HM-REV1
DATE JANUARY 13, 20 21
REVISED
OPERATORS WELL NO. VAN WINKLE S 9HM
API WELL NO. 47-051-02358 #4A
STATE COUNTY PERMIT

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

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

COUNTY NAME
PERMIT

PROPOSED VAN WINKLE S - 9HM 4705102358



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 PETHTEL N WELL PAD LOCATION.



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 slsw.com

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



TUG HILL
 OPERATING

03/12/2021