

10,343' B.H.

5,154' T.H.

**HUNTER PETHTEL LEASE  
VAN WINKLE S 11HM 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. 469,211.16	E. 1,623,770.52
NAD'83 GEO.	LAT-(N) 39.781762	LONG-(W) 80.726671
NAD'83 UTM (M)	N. 4,403,571.14	E. 523,405.42
<b>LANDING POINT</b>		
NAD'83 S.P.C.(FT)	N. 468,387.3	E. 1,622,784.9
NAD'83 GEO.	LAT-(N) 39.779464	LONG-(W) 80.730137
NAD'83 UTM (M)	N. 4,403,315.1	E. 523,109.3
<b>BOTTOM HOLE</b>		
NAD'83 S.P.C.(FT)	N. 455,178.0	E. 1,630,109.0
NAD'83 GEO.	LAT-(N) 39.743475	LONG-(W) 80.703450
NAD'83 UTM (M)	N. 4,399,328.1	E. 525,407.9

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

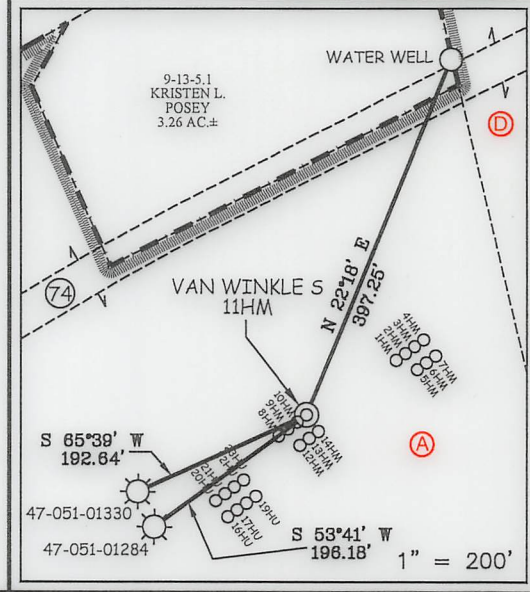
3,608' T.H.  
2,377' B.H.

B.H.

T.H.

PARCEL	SURFACE ADJOINER	ACRES
9-13-5.1	MICHAEL WALKER & JOSEPH BLAKE	3.26
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

**REFERENCES**



**NOTES ON SURVEY**

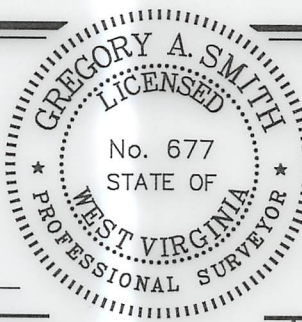
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.
- BASED ON WV DOT COUNTY ROUTE 74 IS A 40' STRIP OF LAND ACQUIRED IN NUMEROUS DEEDS.



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
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. Gregory A. Smith  
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE JANUARY 19, 20 21  
REVISED JULY 14, 2022  
OPERATORS WELL NO. VAN WINKLE S 11HM MOD  
API WELL NO. 47 - 051 - 02360 H6A  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P11HMR.dwg  
VAN WINKLE S 11HM-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  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 753.50' WATERSHED FISH CREEK (HUC 10)  
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER TH EXPLORATION, LLC ACREAGE 16.10 ±  
ROYALTY OWNER DENNIS HUNTER, ET AL - SEE WW-6A1 ACREAGE 190.10 ±

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

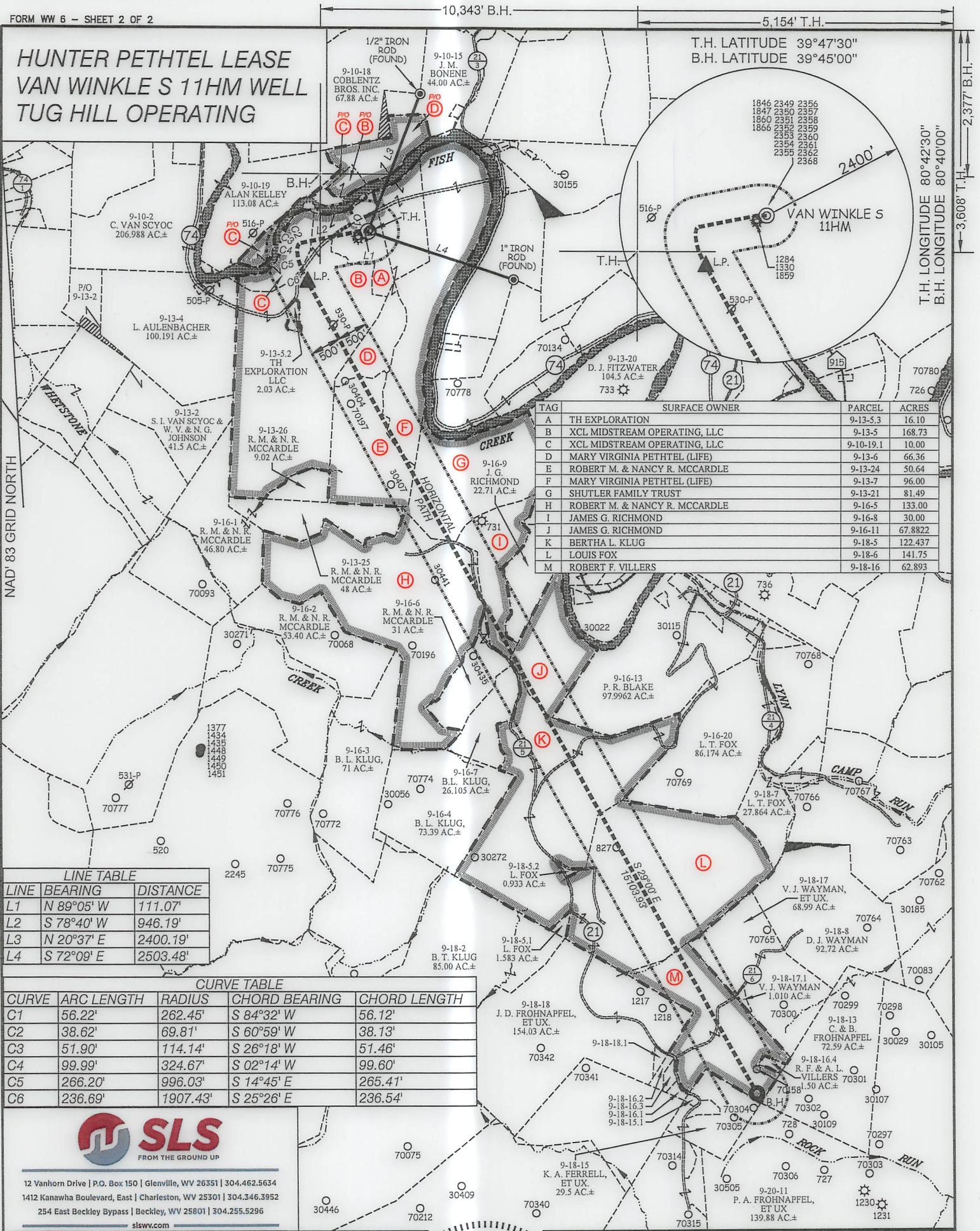
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH TVD: 6,281' / TMD: 21,794'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS CT CORPORATION  
FORT WORTH, TX 76107 ADDRESS 5098 WASHINGTON ST. W, STE 407  
CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

09/30/2022

# HUNTER PETHTEL LEASE VAN WINKLE S 11HM WELL TUG HILL OPERATING



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

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

TAG	SURFACE OWNER	PARCEL	ACRES
A	TH EXPLORATION	9-13-5.3	16.10
B	XCL MIDSTREAM OPERATING, LLC	9-13-5	168.73
C	XCL MIDSTREAM OPERATING, LLC	9-10-19.1	10.00
D	MARY VIRGINIA PETHTEL (LIFE)	9-13-6	66.36
E	ROBERT M. & NANCY R. MCCARDLE	9-13-24	50.64
F	MARY VIRGINIA PETHTEL (LIFE)	9-13-7	96.00
G	SHUTLER FAMILY TRUST	9-13-21	81.49
H	ROBERT M. & NANCY R. MCCARDLE	9-16-5	133.00
I	JAMES G. RICHMOND	9-16-8	30.00
J	JAMES G. RICHMOND	9-16-11	67.8822
K	BERTHA L. KLUG	9-18-5	122.437
L	LOUIS FOX	9-18-6	141.75
M	ROBERT F. VILLERS	9-18-16	62.893

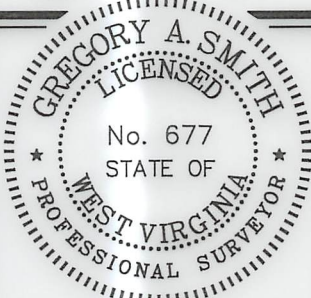
LINE	BEARING	DISTANCE
L1	N 89°05' W	111.07'
L2	S 78°40' W	946.19'
L3	N 20°37' E	2400.19'
L4	S 72°09' E	2503.48'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	56.22'	262.45'	S 84°32' W	56.12'
C2	38.62'	69.81'	S 60°59' W	38.13'
C3	51.90'	114.14'	S 26°18' W	51.46'
C4	99.99'	324.67'	S 02°14' W	99.60'
C5	266.20'	996.03'	S 14°45' E	265.41'
C6	236.69'	1907.43'	S 25°26' E	236.54'



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P.S. 677 *Gregory A. Smith*

**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. 8952P11HMR.dwg  
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