

WW-9

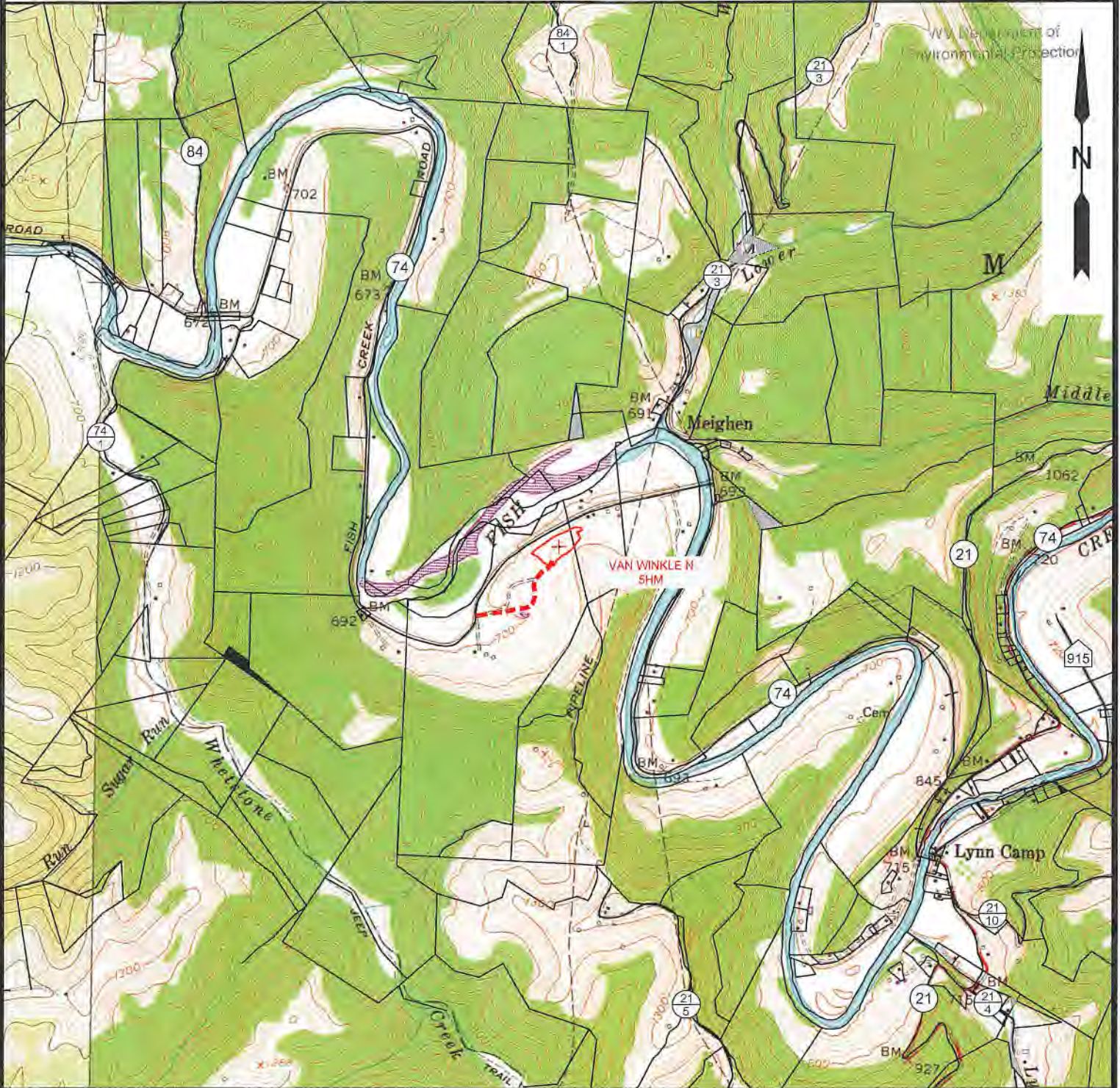
PROPOSED VAN WINKLE N - 5HM

SUPPLEMENT PG. 2
RECEIVED

Office of Oil and Gas

DEC 23 2020

4705102347



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.



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 | 304.255.5286
slswv.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR: TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317	
COUNTY	DISTRICT		
MARSHALL	MEADE		
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	8952	12/22/2020	1" = 2000'



TUG HILL
OPERATING

10,513' B.H.

5,039' T.H.

T.H. LATITUDE 39°47'30"
B.H. LATITUDE 39°50'00"

HUNTER PETHTEL LEASE VAN WINKLE N 5HM WELL TUG HILL OPERATING

T.H. LONGITUDE 80°42'30"
B.H. LONGITUDE 80°42'30"
3,560' T.H.

NOTES ON SURVEY

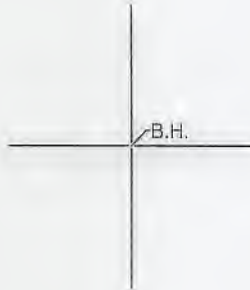
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.
- BASED ON WV DOT COUNTY ROUTE 74 IS A 40' STRIP OF LAND ACQUIRED IN NUMEROUS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



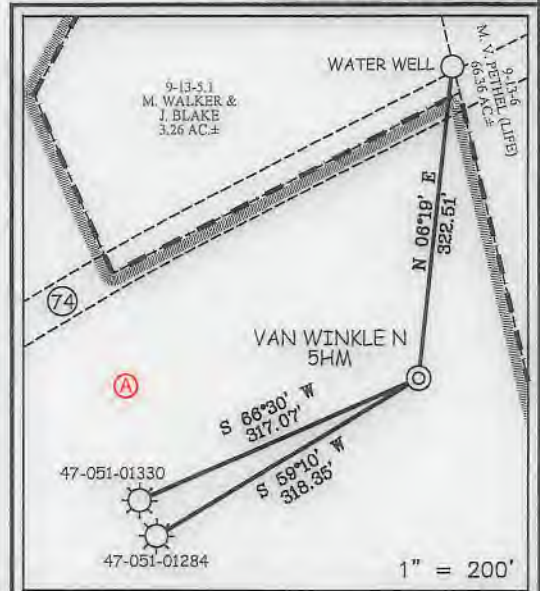
PARCEL	SURFACE ADJOINER	ACRES
9-10-1.1	CONNIE S. CUNNINGHAM	0.482
9-10-1.3	FINLEY D. MONTGOMERY, ET UX	20.294
5-10.5	WILLIAM F. RULONG, ET AL	27.5
5-10-7	WILLIAM F. RULONG, ET AL	22.872
5-10-8.1	SAMUEL D. & BECKY ROBINSON	1.511
9-10-21	JAMES & VICKIE J. MASON	2.00
9-10-22	JAMES & VICKIE J. MASON	1.169

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

NAD'83 S.P.C.(FT)	N. 469,258.14	E. 1,623,885.80
NAD'83 GEO.	LAT-(N) 39.781896	LONG-(W) 80.726263
NAD'83 UTM (M)	N. 4,403,586.04	E. 523,440.30
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 469,168.2	E. 1,623,095.1
NAD'83 GEO.	LAT-(N) 39.781619	LONG-(W) 80.729072
NAD'83 UTM (M)	N. 4,403,554.6	E. 523,199.9
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 477,493.6	E. 1,618,522.3
NAD'83 GEO.	LAT-(N) 39.804300	LONG-(W) 80.745752
NAD'83 UTM (M)	N. 4,406,067.7	E. 521,764.4



REFERENCES



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
s3sw.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 DECEMBER 4, 20 20
REVISED 12-10-2020, 12-22-2020
OPERATORS WELL NO. VAN WINKLE N 5HM
API WELL NO. 47-051-02347
STATE WV COUNTY MARSHALL PERMIT H6A

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8952P5HM-VER2R2.dwg
VAN WINKLE N 5HM-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: 6,290' / TMD: 16,124'

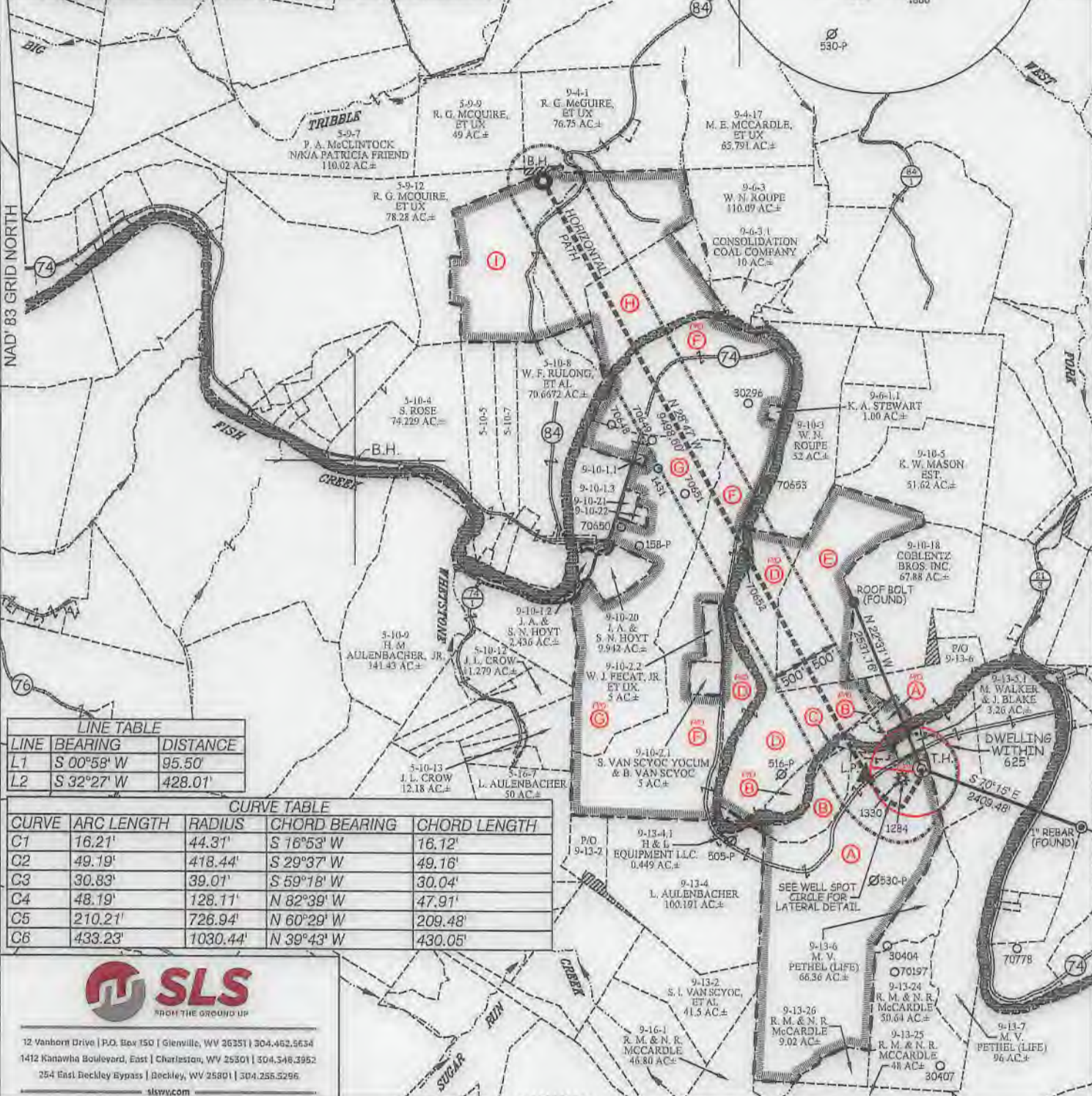
WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107

DESIGNATED AGENT DIANNA STAMPER
ADDRESS CT CORPORATION SYSTEM
5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

COUNTY NAME
PERMIT

HUNTER PETHTEL LEASE VAN WINKLE N 5HM WELL TUG HILL OPERATING

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	KENNETH W. MASON EST.	9-10-4	67.00
F	CAROL VAN SCYOC	9-10-2	206.988
G	CAROL VAN SCYOC	9-10-1	118.087
H	WILLIAM F. RULONG, ET AL	5-9-11	56.00
I	ROBERT GREGORY MCGUIRE, ET UX	5-9-10	139.60



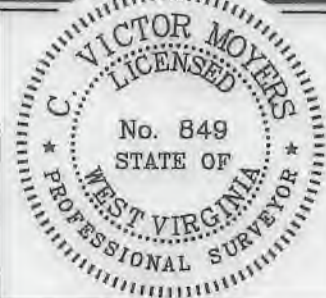
LINE	BEARING	DISTANCE
L1	S 00°58' W	95.50'
L2	S 32°27' W	428.01'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	16.21'	44.31'	S 16°53' W	16.12'
C2	49.19'	418.44'	S 29°37' W	49.16'
C3	30.83'	39.01'	S 59°18' W	30.04'
C4	48.19'	128.11'	N 82°39' W	47.91'
C5	210.21'	726.94'	N 60°29' W	209.48'
C6	433.23'	1030.44'	N 39°43' W	430.05'



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 P.S. *C. Victor Moyers*
 849

SCALE 1" = 2000' FILE NO. 8952P5HM-VER2R.dwg
 VAN WINKLE N 5HM-REV/1
 DATE DECEMBER 4, 20 20
 REVISED DECEMBER 10, 2020
 OPERATORS WELL NO. VAN WINKLE N 5HM
 API WELL NO. 47 - 051 - 02347
 STATE COUNTY PERMIT

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

LEASE LINE	---
SURFACE LINE	---
WELL LATERAL	---
OFFSET LINE	---
TIE LINE	---
CREEK	---
ROAD	---
COUNTY ROUTE	---
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP-PARCEL	00-00
SURFACE OWNER (SEE TABLE)	(A)
LEASE # (SEE WW-6A1)	

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