

**FITZGERALD S LEASE
WELL 3HM
TUG HILL OPERATING**

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

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

NAD'83 S.P.C.(FT)	N. 475,984.04	E. 1,647,854.04
NAD'83 GEO.	LAT-(N) 39.801226	LONG-(W) 80.641289
NAD'83 UTM (M)	N. 4,405,757.15	E. 530,708.12

LANDING POINT

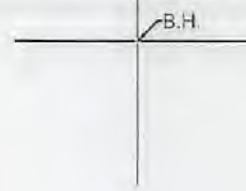
NAD'83 S.P.C.(FT)	N. 475,835.3	E. 1,643,551.8
NAD'83 GEO.	LAT-(N) 39.800118	LONG-(W) 80.650584
NAD'83 UTM (M)	N. 4,405,629.0	E. 529,399.2

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 467,885.2	E. 1,647,892.5
NAD'83 GEO.	LAT-(N) 39.778995	LONG-(W) 80.640786
NAD'83 UTM (M)	N. 4,403,290.0	E. 530,781.1

TAG	SURFACE OWNER	PARCEL	ACRES
A	DANNY R. & FRANCES V. KERNS ESTATE	7-8-1	27.00
B	DANNY R. & FRANCES V. KERNS ESTATE	9-9-14	48.308
C	NAUVOO CEMETERY ASSOCIATION, INC.	9-9-14.2	0.292
D	NAUVOO CEMETERY ASSOCIATION, INC.	9-9-17	1.00
E	TODD L. SCHERICH, ET AL	9-9-16	168.204
F	CHARLES WILLIAM DOBBS, ET AL	9-12-9	82.18
G	MARK D. & SHERYL CHAMBERS	9-12-11	91.00
H	RONALD E. & MARY L. DOBBS - LIFE	9-12-20	90.963
I	RONALD EUGENE & MARY LEE DOBBS	9-12-19.1	14.924
J	RAYMOND D. DOBBS, ET AL	9-12-19	15.076
K	DAVID & CAROL WHIPKEY TRUST, ET AL	9-12-17	37.27
L	CONSOL MINING CO., LLC	7-9-1	59.00
M	CONSOL MINING CO., LLC	7-9-22	101.36

PARCEL	SURFACE ADJOINER	ACRES
9-12-9.1	WV DEPT OF TRANSPORTATION DOH	0.079



T.H. LONGITUDE 80°37'30"
B.H. LONGITUDE 80°37'30"
4,616' B.H.

11,696' T.H.

NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS OR DWELLINGS > 2500 SQ. FT. WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.



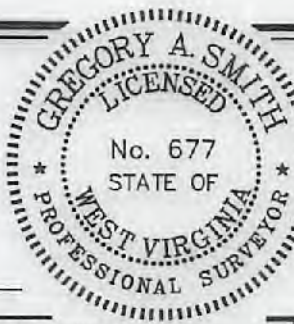
12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.8634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsvv.com

REFERENCES



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. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE FEBRUARY 20, 2020
REVISED MAY 19, 2021, JULY 15, 2021
OPERATORS WELL NO. FITZGERALD S 3HM
API WELL NO. 47 - 051 - 02393 H6A
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8910P3HMR2.dwg
FITZGERALD S 3HM REV4
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 INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1,293.00' WATERSHED SPEAKEASY HOLLOW OF MAGGOTY RUN
DISTRICT LIBERTY COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER DANNY AND FRANCES KERNS ESTATE ACREAGE 27.00±
ROYALTY OWNER DANNY S. KERNS, ET AL ACREAGE **08/27/2021**

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: 7,023' / TMD: 18,004'

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

COUNTY NAME PERMIT

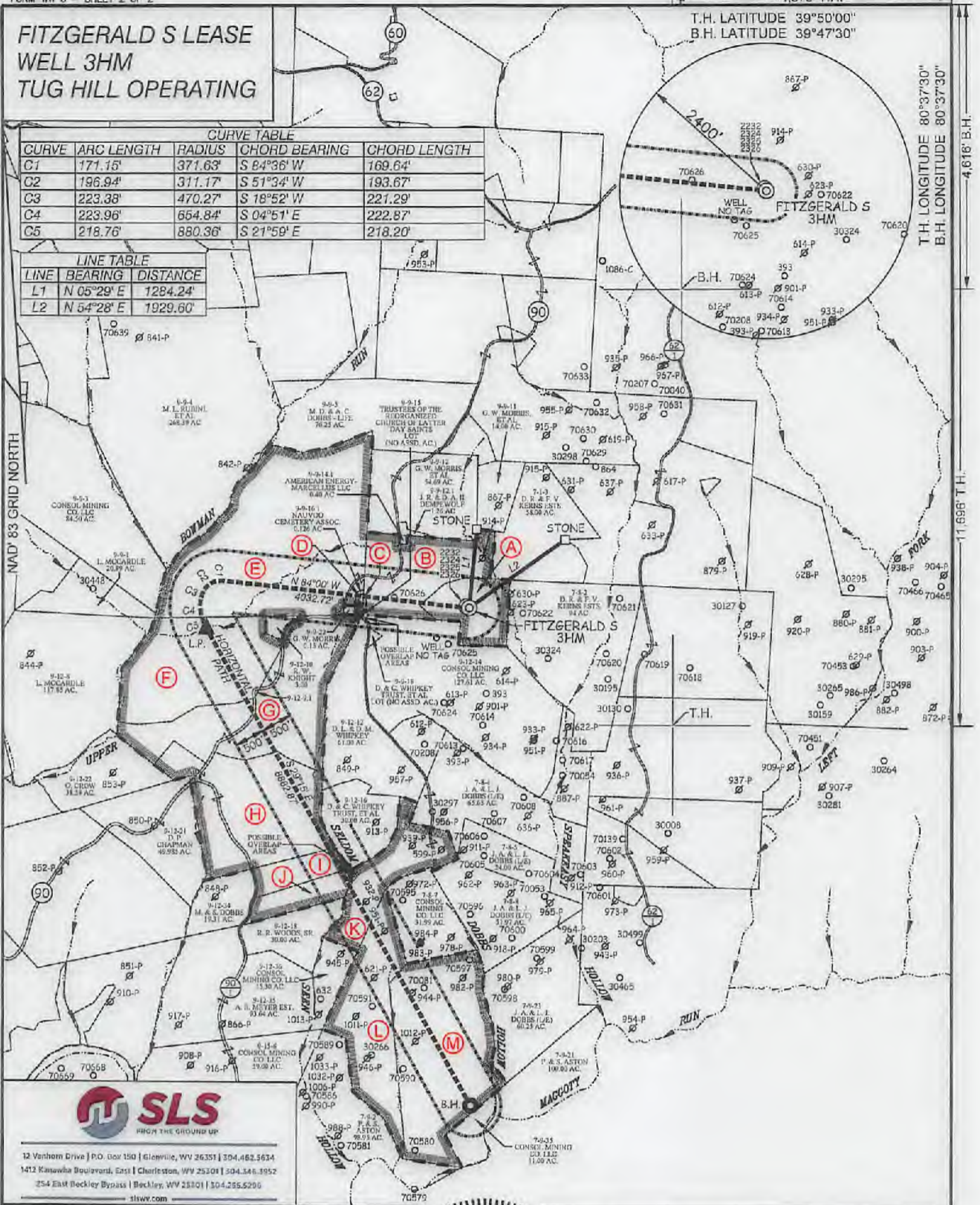
**FITZGERALD S LEASE
WELL 3HM
TUG HILL OPERATING**



CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	171.15'	371.63'	S 84°36' W	169.64'
C2	196.94'	311.17'	S 51°34' W	193.67'
C3	223.38'	470.27'	S 18°52' W	221.29'
C4	223.96'	654.84'	S 04°51' E	222.87'
C5	218.76'	880.36'	S 21°59' E	218.20'

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 05°29' E	1284.24'
L2	N 54°28' E	1929.60'

NAD'83 GRID NORTH



12 Vanhook Drive | P.O. Box 150 | Glenview, WV 26351 | 304.462.5634
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5200
 slwv.com



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

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. 8910P3HMR2.dwg
 FITZGERALD S 3HM REV4
 DATE FEBRUARY 20, 2020
 REVISED MAY 19, 2021, JULY 15, 2021
 OPERATORS WELL NO. FITZGERALD S 3HM
 API WELL NO. 47-051-02393 H6A
 STATE COUNTY PERMIT

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

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

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08/27/2021