

**FITZGERALD S LEASE
WELL 2HM
TUG HILL OPERATING**

4,797' B.H. 4,566' T.H.

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. 475,878.00	E. 1,647,864.41
NAD'83 GEO.	LAT-(N) 39.801210	LONG-(W) 80.641252
NAD'83 UTM (M)	N. 4,405,755.36	E. 530,711.31

LANDING POINT

NAD'83 S.P.C.(FT)	N. 475,153.8	E. 1,642,961.1
NAD'83 GEO.	LAT-(N) 39.798775	LONG-(W) 80.658864
NAD'83 UTM (M)	N. 4,405,479.3	E. 529,221.7

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 467,012.4	E. 1,647,520.7
NAD'83 GEO.	LAT-(N) 39.776586	LONG-(W) 80.642069
NAD'83 UTM (M)	N. 4,403,022.2	E. 530,652.3

T.H. LONGITUDE 80°37'30"
B.H. LONGITUDE 80°37'30"
5,494' B.H.
11,702' T.H.

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	GARY W. MORRIS	9-9-22	0.15
F	TODD L. SCHERICH, ET AL	9-9-16	168.204
G	CHARLES WILLIAM DOBBS, ET AL	9-12-9	82.18
H	MARK D. & SHERYL CHAMBERS	9-12-11	91.00
I	RONALD E. & MARY L. DOBBS - LIFE	9-12-20	90.963
J	RONALD EUGENE & MARY LEE DOBBS	9-12-19.1	14.924
K	RAYMOND D. DOBBS, ET AL	9-12-19	15.076
L	ROY ROGERS WOODS, SR.	9-12-18	30.00
M	DAVID & CAROL WHIPKEY TRUST, ET AL	9-12-17	37.27
N	CONSOL MINING CO., LLC	9-12-36	15.30
O	CONSOL MINING CO., LLC	7-9-1	59.00
P	CONSOL MINING CO., LLC	7-9-22	101.36

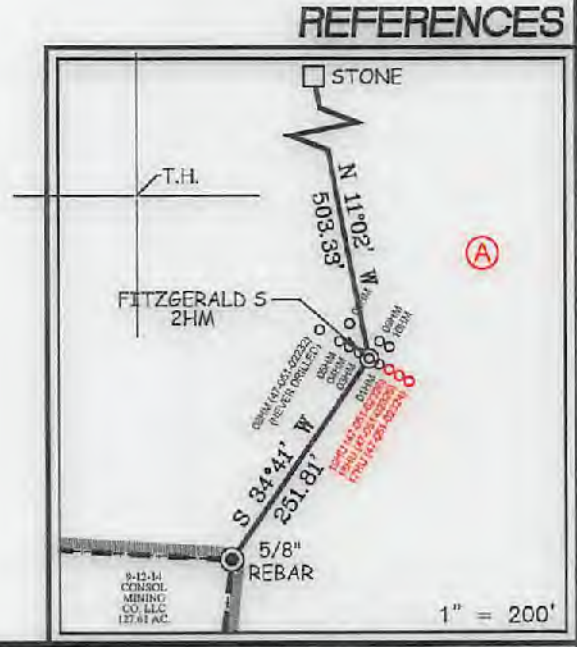
PARCEL	SURFACE ADJOINER	ACRES
9-9-15	TRUSTEES OF THE REORGANIZED CHURCH OF LATTER DAY SAINTS	LOT (NO AC.)
9-12-20.1	WV DEPT OF TRANSPORTATION DOH	0.004
9-12-20.2	WV DEPT OF TRANSPORTATION DOH	0.026
9-12-20.3	WV DEPT OF TRANSPORTATION DOH	0.007

NOTES ON SURVEY

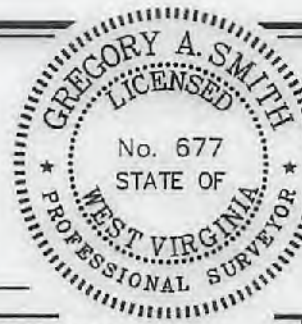
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS OR DWELLINGS ≥ 2500 SQ. FT. WERE FOUND WITHIN 525' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.546.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 204.255.5295
 slsww.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. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE FEBRUARY 18, 2020
 REVISED MAY 19, 2021, JULY 15, 2021
 OPERATORS WELL NO. FITZGERALD S 2HM
 API WELL NO. 47 - 051 - 0239216A
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8910P2HMR2.dwg
FITZGERALD S 2HM REV5
 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 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 27.00±

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

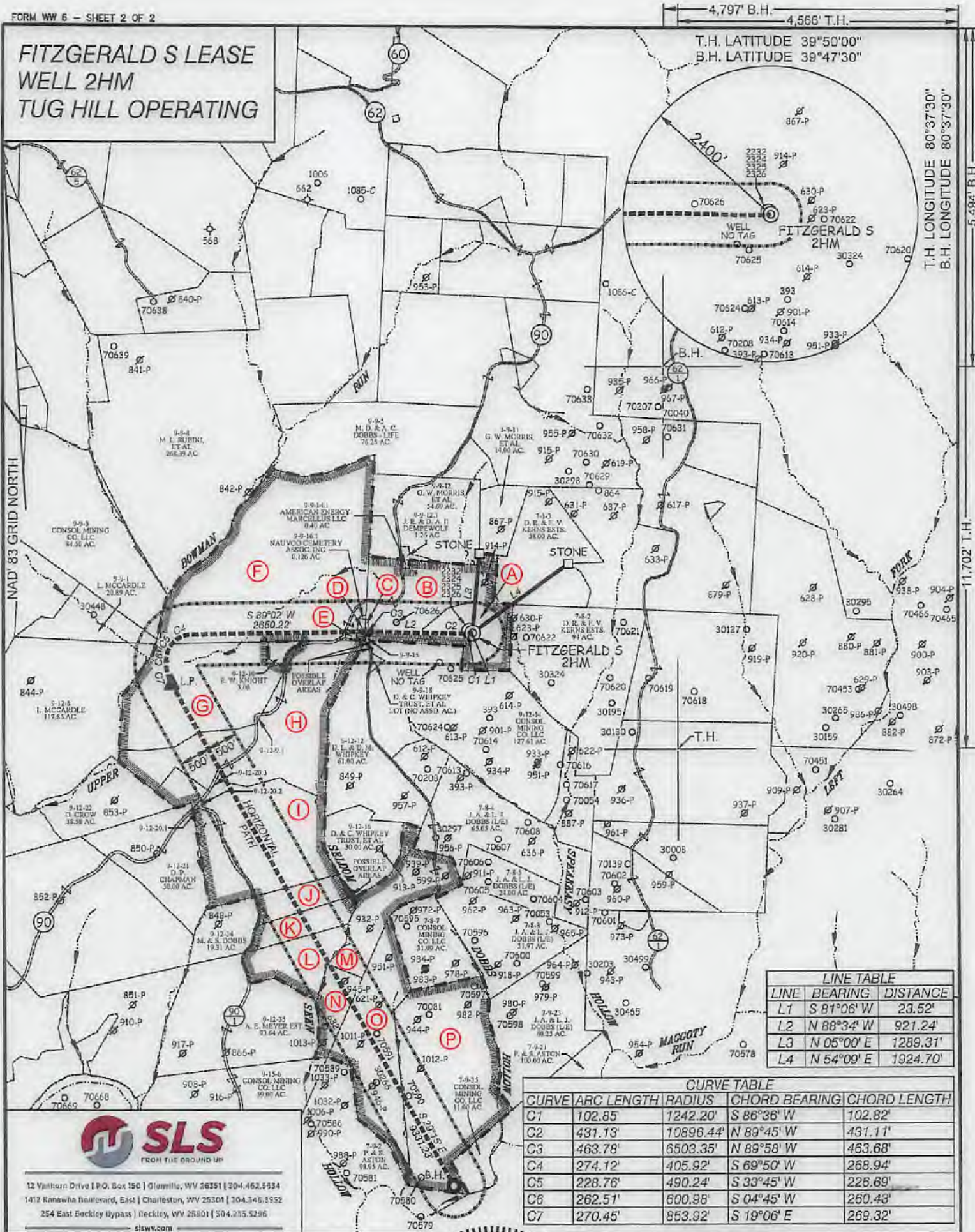
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH TVD: 7,018' / TMD: 18,906'

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

COUNTY NAME
PERMIT

08/27/2021

**FITZGERALD S LEASE
WELL 2HM
TUG HILL OPERATING**



4,797' B.H. 4,568' T.H.
T.H. LATITUDE 39°50'00"
B.H. LATITUDE 39°47'30"

T.H. LONGITUDE 80°37'30"
B.H. LONGITUDE 80°37'30"

NAD 83 GRID NORTH

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 81°06' W	23.52'
L2	N 88°34' W	921.24'
L3	N 05°00' E	1289.31'
L4	N 54°09' E	1924.70'

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	102.85	1242.20'	S 86°38' W	102.82'
C2	431.13	10896.44'	N 89°45' W	431.11'
C3	463.78	6503.35'	N 89°58' W	463.68'
C4	274.12	405.92'	S 69°50' W	268.94'
C5	228.76	490.24'	S 33°45' W	228.69'
C6	262.51	600.98'	S 04°45' W	260.43'
C7	270.45	853.92'	S 19°06' E	269.32'



12 Vanhook Drive | P.O. Box 150 | Olwehills, WV 26251 | 304-462-5534
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304-346-1952
254 East Beckley Bypass | Beckley, WV 26801 | 304-255-5296
sllwv.com

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(+) 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	00-00
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE WW-6A1)	

SCALE 1" = 2000' FILE NO. 8910P2HMR2.dwg
FITZGERALD S 2HM REV5
DATE FEBRUARY 18, 2020
REVISED MAY 19, 2021, JULY 15, 2021
OPERATORS WELL NO. FITZGERALD S 2HM
API WELL NO. 47-051-02392 HGA
NO. STATE COUNTY PERMIT

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

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