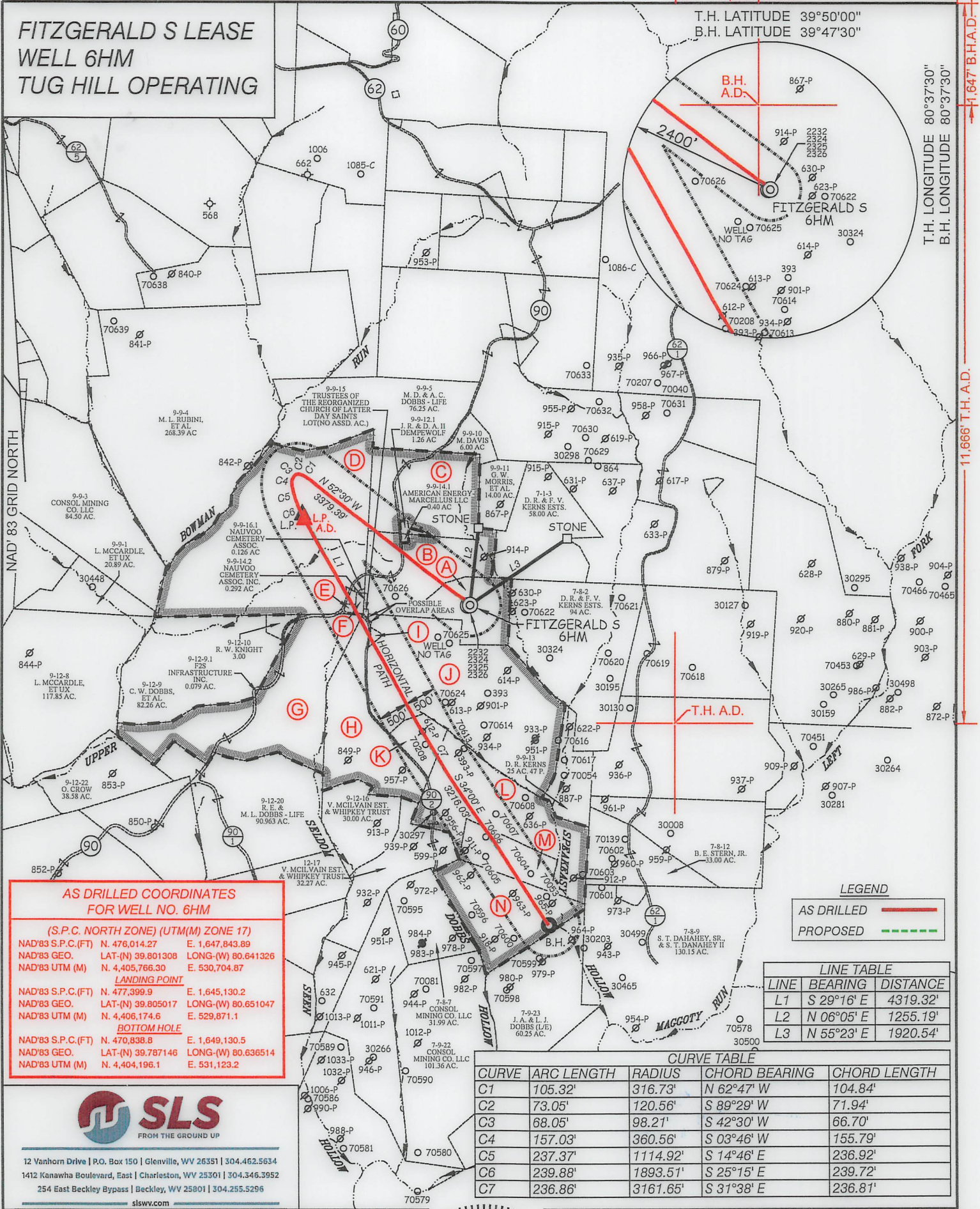


**FITZGERALD S LEASE
WELL 6HM
TUG HILL OPERATING**

4,587' T.H.A.D. 3,236' B.H.A.D.

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

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



**AS DRILLED COORDINATES
FOR WELL NO. 6HM**

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

NAD'83 S.P.C.(FT)	N. 476,014.27	E. 1,647,843.89
NAD'83 GEO.	LAT-(N) 39.801308	LONG-(W) 80.641326
NAD'83 UTM (M)	N. 4,405,766.30	E. 530,704.87

LANDING POINT

NAD'83 S.P.C.(FT)	N. 477,399.9	E. 1,645,130.2
NAD'83 GEO.	LAT-(N) 39.805017	LONG-(W) 80.651047
NAD'83 UTM (M)	N. 4,406,174.6	E. 529,871.1

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 470,838.8	E. 1,649,130.5
NAD'83 GEO.	LAT-(N) 39.787146	LONG-(W) 80.636514
NAD'83 UTM (M)	N. 4,404,196.1	E. 531,123.2

LEGEND

AS DRILLED ———

PROPOSED - - - - -

LINE TABLE

LINE	BEARING	DISTANCE
L1	S 29°16' E	4319.32'
L2	N 06°05' E	1255.19'
L3	N 55°23' E	1920.54'

CURVE TABLE

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	105.32'	316.73'	N 62°47' W	104.84'
C2	73.05'	120.56'	S 89°29' W	71.94'
C3	68.05'	98.21'	S 42°30' W	66.70'
C4	157.03'	360.56'	S 03°46' W	155.79'
C5	237.37'	1114.92'	S 14°46' E	236.92'
C6	239.88'	1893.51'	S 25°15' E	239.72'
C7	236.86'	3161.65'	S 31°38' E	236.81'



12 Vanhorn 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 | 304.255.5296
 slsvw.com

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

NAD'83 S.P.C.(FT)	N. 476,014.27	E. 1,647,843.89
NAD'83 GEO.	LAT-(N) 39.801308	LONG-(W) 80.641326
NAD'83 UTM (M)	N. 4,405,766.30	E. 530,704.87

LANDING POINT

NAD'83 S.P.C.(FT)	N. 477,468.3	E. 1,645,105.0
NAD'83 GEO.	LAT-(N) 39.805204	LONG-(W) 80.651140
NAD'83 UTM (M)	N. 4,406,195.3	E. 529,863.1

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 470,832.5	E. 1,649,139.2
NAD'83 GEO.	LAT-(N) 39.787129	LONG-(W) 80.636483
NAD'83 UTM (M)	N. 4,404,194.2	E. 531,125.9



(+) 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. 8910P6HMR-AD.dwg
 FITZGERALD S 6HM REV5
 DATE MARCH 10, 20 23
 REVISED _____
 OPERATORS WELL NO. FITZGERALD S 6HM
 API WELL NO. 47 — 051 — 02384
 NO. 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 - 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

09/22/2023

**FITZGERALD S LEASE
WELL 6HM
TUG HILL OPERATING**

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

4,587' T.H.A.D. 3,236' B.H.A.D.

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NAD'83 UTM (M)	N. 4,404,194.2	E. 531,125.9

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	GARY W. MORRIS & CYNTHIA PATRELLO	9-9-12	54.69
D	TODD L. SCHERICH, ET AL	9-9-16	168.204
E	GARY W. MORRIS	9-9-22	0.15
F	NAUVOO CEMETERY ASSOCIATION, INC.	9-9-17	1.00
G	MARK D. & SHERYL CHAMBERS	9-12-11	91.00
H	DAVID L. WHIPKEY & DAVID MATTHEW	9-12-12	61.00
I	DAVID & CAROL WHIPKEY TRUST, ET AL	9-9-18	LOT
J	CONSOL MINING CO., LLC	9-12-14	127.61
K	DAVID L. WHIPKEY & DAVID MATTHEW	9-12-15	12.00
L	JOHN ALFRED & LEORA JEAN DOBBS (L/E)	7-8-4	65.65
M	JOHN ALFRED & LEORA JEAN DOBBS (L/E)	7-8-5	24.00
N	JOHN ALFRED & LEORA JEAN DOBBS (L/E)	7-8-8	51.97

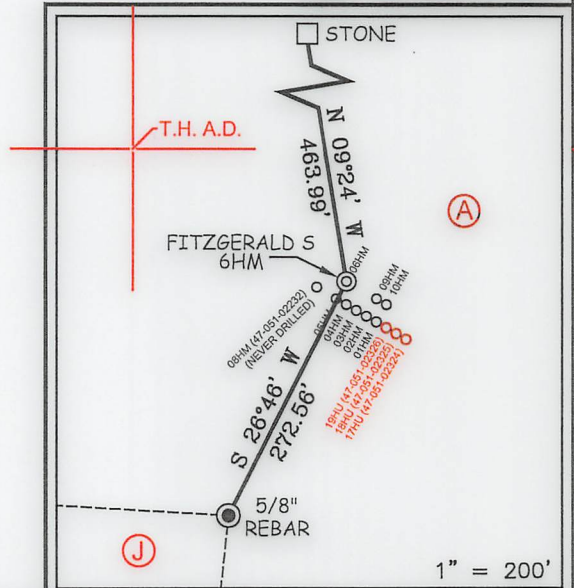
NOTES ON SURVEY

- 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'.
- BASED ON WV DOT COUNTY ROUTE 74 IS A 40' STRIP OF LAND ACQUIRED IN NUMEROUS DEEDS.
- PLAT UPDATED TO SHOW AS-DRILLED PATH.
- AS DRILLED DATA PROVIDED BY TUG HILL OPERATING.



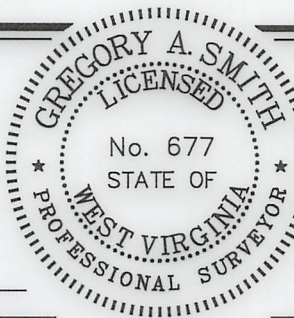
12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsvv.com

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 MARCH 10, 2023

REVISED _____

OPERATORS WELL NO. FITZGERALD S 6HM

API WELL NO. 47 — 051 — 02384
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8910P6HMR-AD.dwg
FITZGERALD S 6HM 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 X LIQUID 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 27.00±

PROPOSED WORK: LEASE NO. SEE WW-6A1

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: 7,025' / TMD: 16,318'

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

09/22/2023