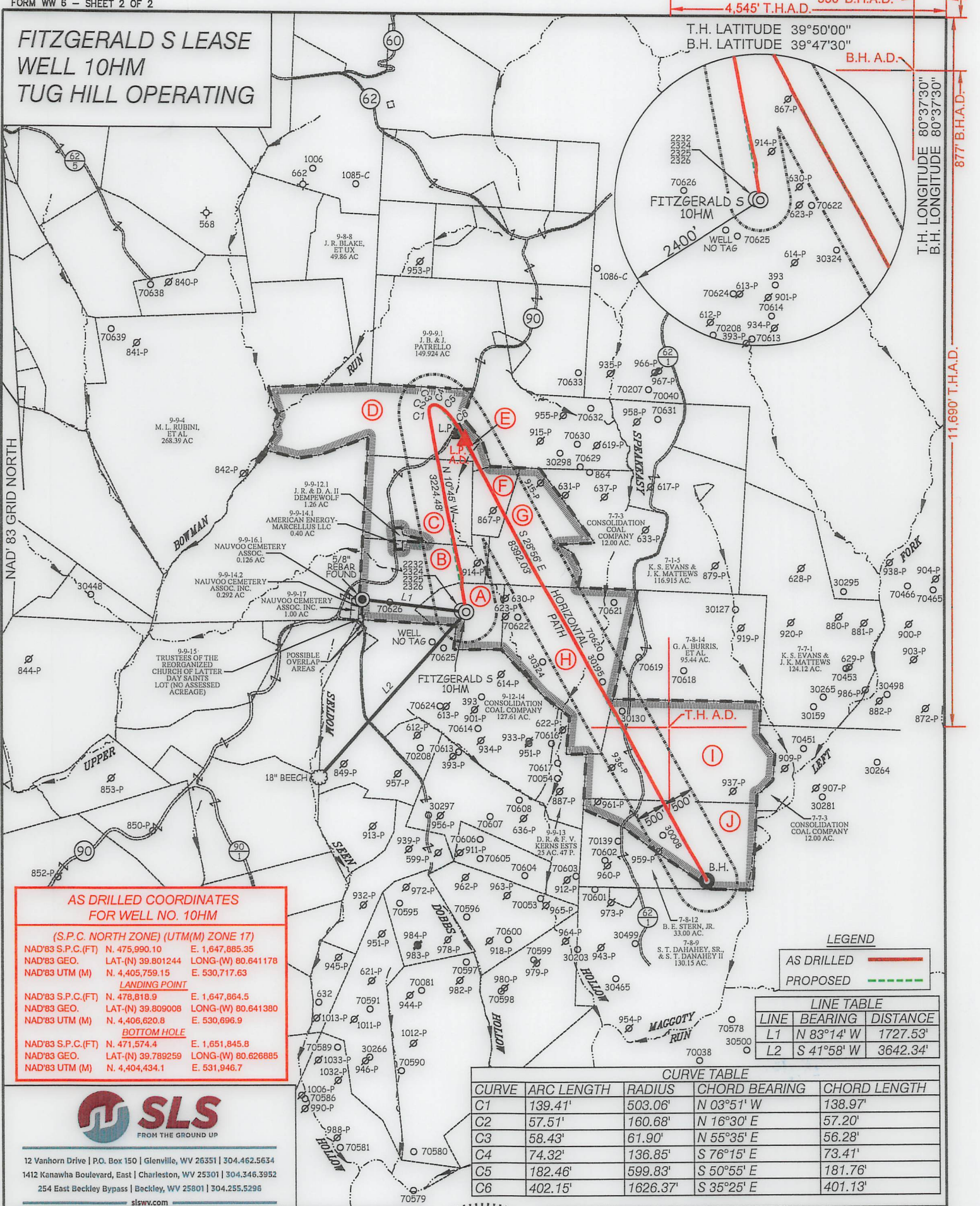


**FITZGERALD S LEASE
WELL 10HM
TUG HILL OPERATING**



**AS DRILLED COORDINATES
FOR WELL NO. 10HM**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)			
NAD'83 S.P.C.(FT)	N. 475,990.10	E. 1,647,885.35	
NAD'83 GEO.	LAT-(N) 39.801244	LONG-(W) 80.641178	
NAD'83 UTM (M)	N. 4,405,759.15	E. 530,717.63	
LANDING POINT			
NAD'83 S.P.C.(FT)	N. 478,818.9	E. 1,647,864.5	
NAD'83 GEO.	LAT-(N) 39.809008	LONG-(W) 80.641380	
NAD'83 UTM (M)	N. 4,406,620.8	E. 530,696.9	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 471,574.4	E. 1,651,845.8	
NAD'83 GEO.	LAT-(N) 39.789259	LONG-(W) 80.626885	
NAD'83 UTM (M)	N. 4,404,434.1	E. 531,946.7	

LEGEND

AS DRILLED ———

PROPOSED - - - - -

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 83°14' W	1727.53'
L2	S 41°58' W	3642.34'

CURVE TABLE

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	139.41'	503.06'	N 03°51' W	138.97'
C2	57.51'	160.68'	N 16°30' E	57.20'
C3	58.43'	61.90'	N 55°35' E	56.28'
C4	74.32'	136.85'	S 76°15' E	73.41'
C5	182.46'	599.83'	S 50°55' E	181.76'
C6	402.15'	1626.37'	S 35°25' E	401.13'



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

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

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NAD'83 GEO.	LAT-(N) 39.801244	LONG-(W) 80.641178
NAD'83 UTM (M)	N. 4,405,759.15	E. 530,717.63
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 478,924.4	E. 1,647,782.3
NAD'83 GEO.	LAT-(N) 39.809295	LONG-(W) 80.641677
NAD'83 UTM (M)	N. 4,406,652.6	E. 530,671.3
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 471,579.8	E. 1,651,842.3
NAD'83 GEO.	LAT-(N) 39.789274	LONG-(W) 80.626898
NAD'83 UTM (M)	N. 4,404,435.7	E. 531,945.6



(+) 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. 8910P10HMR-AD.dwg
 FITZGERALD S 10HM REV4

DATE MARCH 10, 2023

REVISED _____

OPERATORS WELL NO. FITZGERALD S 10HM

API WELL NO. 47 — 051 — 02386

STATE COUNTY PERMIT

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

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

DESIGNATED AGENT DARREN BROWN - CT CORPORATION ADDRESS 5098 WASHINGTON ST. W, STE 407 CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

**FITZGERALD S LEASE
WELL 10HM
TUG HILL OPERATING**

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

4,545' T.H.A.D. 530' B.H.A.D.

B.H. A.D.

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

11,690' T.H.A.D.

877' B.H.A.D.

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	MARVIN D. & ADA C. DOBBS (L/E)	9-9-5	76.25
E	MARTIN DAVIS	9-9-10	6.00
F	GARY W. MORRIS & CYNTHIA PATRELLO	9-9-11	14.00
G	DANNY R. & FRANCES V. KERNS ESTATE	7-1-3	58.00
H	DANNY R. & FRANCES V. KERNS ESTATE	7-8-2	94.00
I	BLAINE E. STERN, JR.	7-8-13	104.92
J	BLAINE E. STERN, JR.	7-8-11	60.62

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

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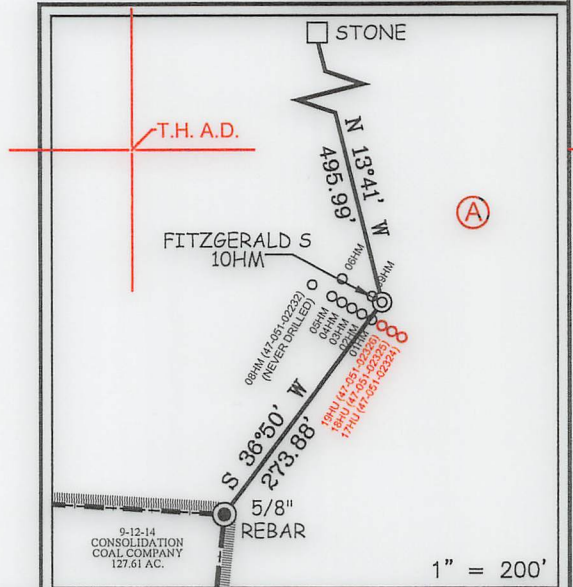
NOTES ON SURVEY

- 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.



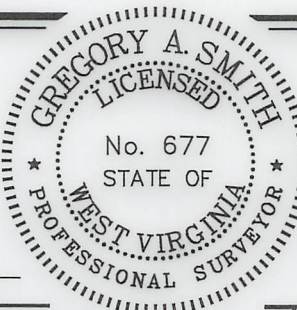
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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5295
slswv.com

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, 20 23
REVISED _____
OPERATORS WELL NO. FITZGERALD S 10HM
API WELL NO. 47 - 051 - 02386
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8910P10HMR-AD.dwg
FITZGERALD S 10HM 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 27.00±

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: 7,038' / TMD: 16,984'

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

LEASE NO. SEE WW-6A1