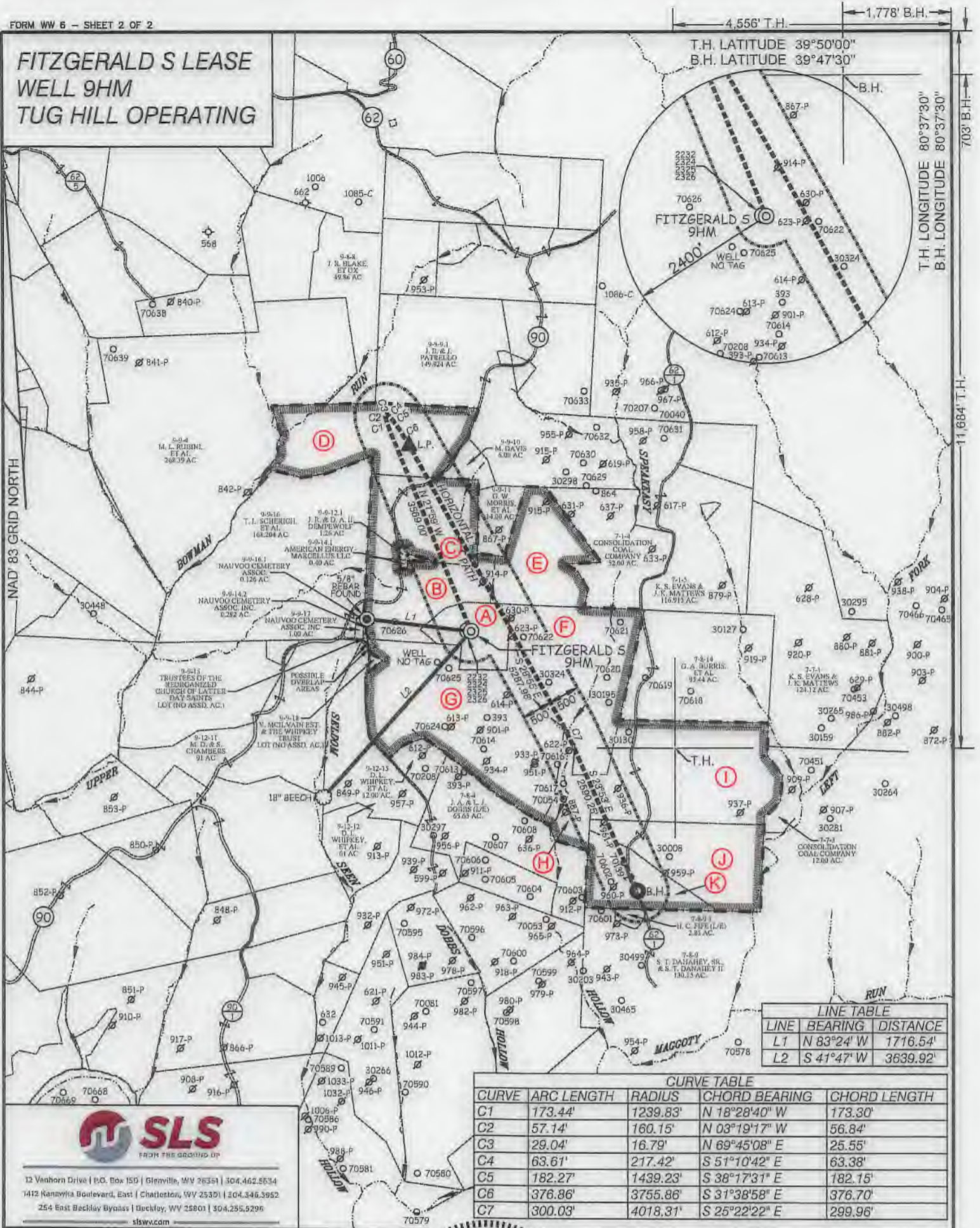


**FITZGERALD S LEASE
WELL 9HM
TUG HILL OPERATING**



4,556' T.H.
1,778' B.H.
T.H. LATITUDE 39°50'00"
B.H. LATITUDE 39°47'30"
B.H.
T.H. LONGITUDE 80°37'30"
B.H. LONGITUDE 80°37'30"
703' B.H.
11,684' T.H.

LINE TABLE

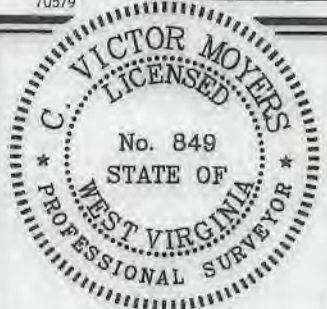
LINE	BEARING	DISTANCE
L1	N 83°24' W	1716.54'
L2	S 41°47' W	3639.92'

CURVE TABLE

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	173.44'	1239.83'	N 18°28'40" W	173.30'
C2	57.14'	160.15'	N 03°19'17" W	56.84'
C3	29.04'	16.79'	N 69°45'08" E	25.55'
C4	63.61'	217.42'	S 51°10'42" E	63.38'
C5	182.27'	1439.23'	S 38°17'31" E	182.15'
C6	376.86'	3755.86'	S 31°38'58" E	376.70'
C7	300.03'	4018.31'	S 25°22'22" E	299.96'



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
 1412 Nanawha Boulevard, East | Charleston, WV 25301 | 204.346.3952
 254 East Becklay Bypass | Becklay, WV 25801 | 304.295.5296
 slswv.com



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

P.S. *C. Victor Moyers*
 849

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C. (FT) N. 475,996.14 E. 1,647,874.99
 NAD'83 GEO. LAT-(N) 39.801260 LONG-(W) 80.641215
 NAD'83 UTM (M) N. 4,405,760.94 E. 530,714.44
LANDING POINT
 NAD'83 S.P.C. (FT) N. 479,082.3 E. 1,646,864.7
 NAD'83 GEO. LAT-(N) 39.808559 LONG-(W) 80.644948
 NAD'83 UTM (M) N. 4,405,680.8 E. 530,391.2
BOTTOM HOLE
 NAD'83 S.P.C. (FT) N. 471,784.5 E. 1,650,599.7
 NAD'83 GEO. LAT-(N) 39.789738 LONG-(W) 80.631328
 NAD'83 UTM (M) N. 4,404,485.6 E. 531,566.1

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. 8910P9HMR2.dwg
 FITZGERALD S 9HM REV6
 DATE FEBRUARY 20, 2020
 REVISED APRIL 28, 2021, MAY 12, 2021
 OPERATORS WELL NO. FITZGERALD S 9HM
 API WELL NO. 47-051-02385 HGA
 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 DIANNA STAMPER
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5400 D BIG TYLER ROAD
 FORT WORTH, TX 76107 CHARLESTON, WV 25313

07/09/2021

COUNTY NAME PERMIT

**FITZGERALD S LEASE
WELL 9HM
TUG HILL OPERATING**

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

4,556' T.H. 1,778' B.H.

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

NAD'83 S.P.C.(FT) N. 475,996.14 E. 1,647,874.99
NAD'83 GEO. LAT-(N) 39.801260 LONG-(W) 80.641215
NAD'83 UTM (M) N. 4,405,760.94 E. 530,714.44

LANDING POINT

NAD'83 S.P.C.(FT) N. 479,032.3 E. 1,646,864.7
NAD'83 GEO. LAT-(N) 39.809559 LONG-(W) 80.644948
NAD'83 UTM (M) N. 4,406,680.8 E. 530,991.2

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 471,764.5 E. 1,650,599.7
NAD'83 GEO. LAT-(N) 39.789738 LONG-(W) 80.631328
NAD'83 UTM (M) N. 4,404,485.6 E. 531,566.1

703' B.H.
T.H. LONGITUDE 80°37'30"
B.H. LONGITUDE 80°37'30"
11,684' 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	GARY W. MORRIS & CYNTHIA PATRELLO	9-9-12	54.69
D	MARVIN D. & ADA C. DOBBS (L/E)	9-9-5	76.25
E	DANNY R. & FRANCES V. KERNS ESTATE	7-1-3	58.00
F	DANNY R. & FRANCES V. KERNS ESTATE	7-8-2	94.00
G	CONSOL MINING CO., LLC	9-12-14	127.61
H	DANNY R. & FRANCES V. KERNS ESTATE	9-9-13	25 AC. 47 POLES
I	BLAINE E. STERN, JR.	7-8-13	104.92
J	BLAINE E. STERN, JR.	7-8-11	60.62
K	BLAINE E. STERN, JR.	7-8-12	33.00

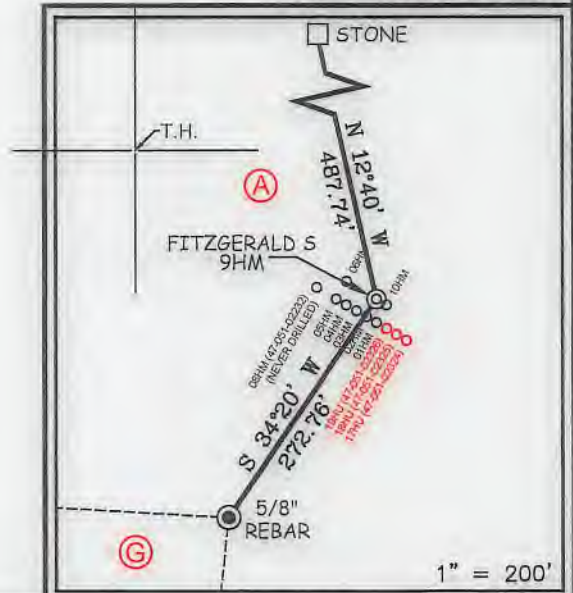
NOTES ON SURVEY

- 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'.

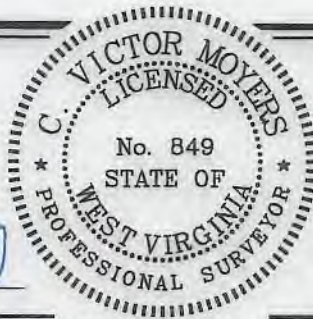


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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com

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. 849 *C. Victor Moyers*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE FEBRUARY 20, 2020
REVISED APRIL 28, 2021, MAY 12, 2021
OPERATORS WELL NO. FITZGERALD S 9HM
API WELL NO. 47-051-02385 H6A
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 8910P9HMR2.dwg
FITZGERALD S 9HM REV6
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±

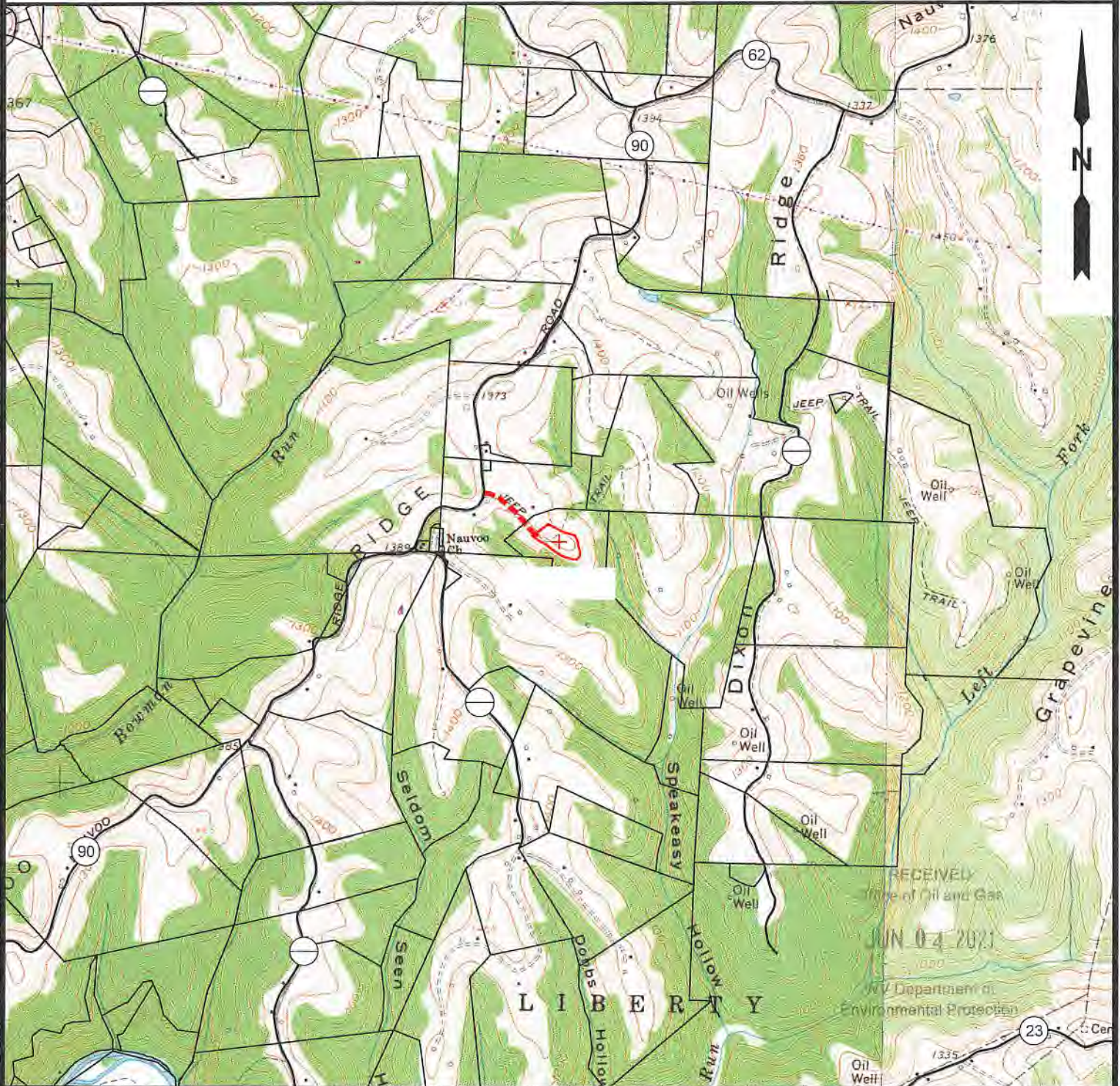
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 7,027' / TMD: 16,990'

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

07/09/2021

COUNTY NAME PERMIT

PROPOSED FITZGERALD S - 9HM



NOTE: CLOSEST WATER PURVEYOR
CITY OF CAMERON - FRANK WALKER RESERVOIR
CAMDEN, WV

LAT: 39.829865
LON: -80.573724
LOCATED: N 62°00'46" E AT 21,684.26' FROM THE CENTER OF FITZGERALD S WELL PAD LOCATION.

RECEIVED
State of Oil and Gas
JUN 04 2021
WV Department of
Environmental Protection



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 | 304.255.3296
slsw.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5' & CAMERON 7.5'		PREPARED FOR: TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317	
COUNTY	DISTRICT		
MARSHALL	LIBERTY & MEADE		
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	8910	03/03/2020	1" = 2000'



**TUG HILL
OPERATING**

07/09/2021