

4,435' B.H.A.D. 4,576' T.H.A.D.

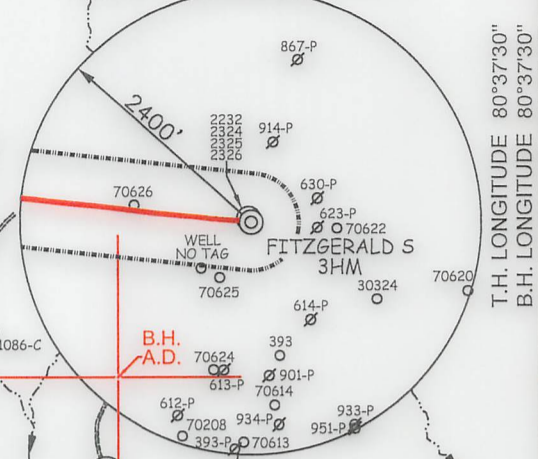
**FITZGERALD S LEASE
WELL 3HM
TUG HILL OPERATING**

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

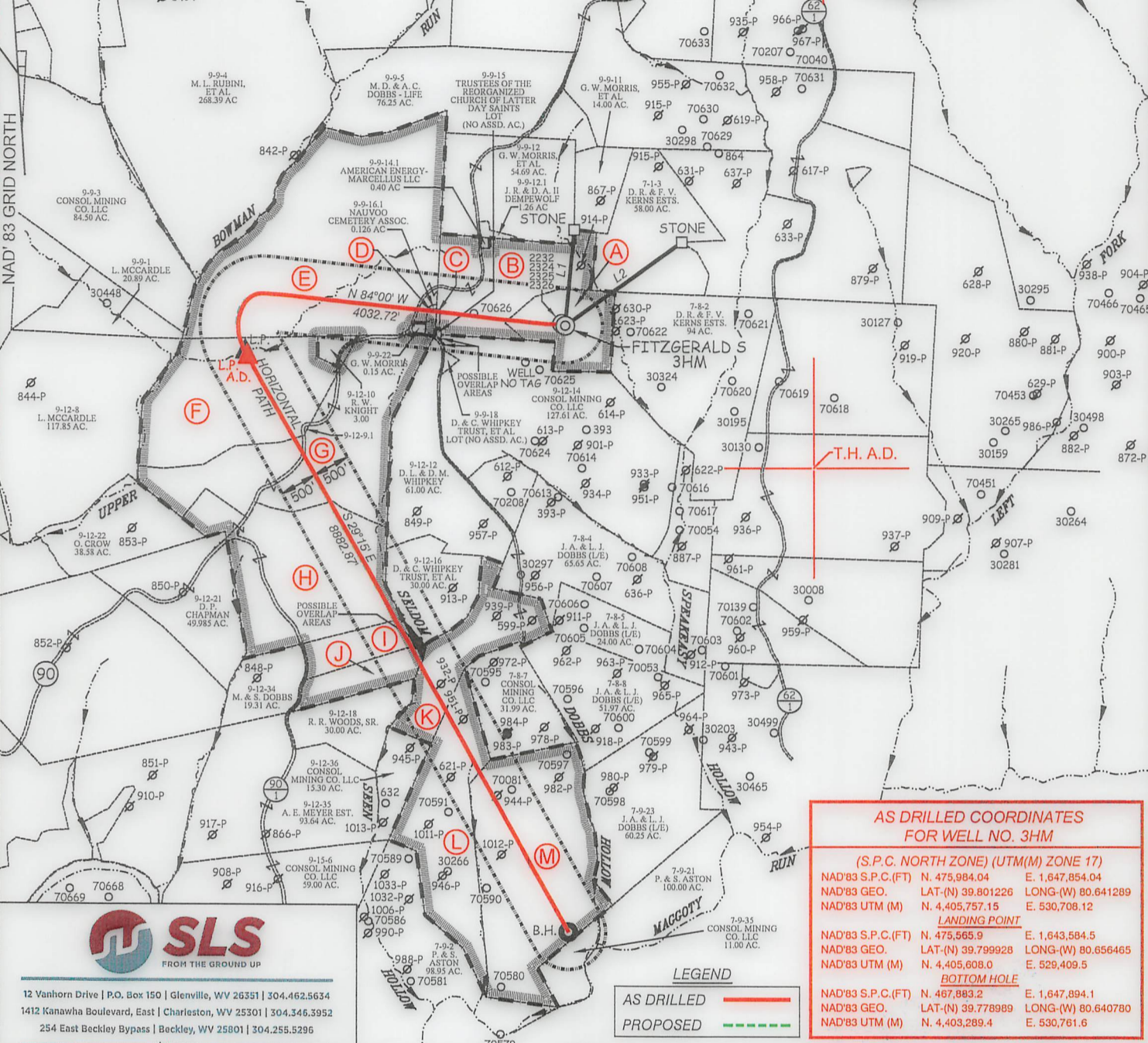
T.H. LONGITUDE 80°37'30"
B.H. LONGITUDE 80°37'30"

| 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



| AS DRILLED COORDINATES FOR WELL NO. 3HM | | | |
|---|-------------------|--------------------|--|
| (S.P.C. NORTH ZONE) (UTM(M) ZONE 17) | | | |
| 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. 475,565.9 | E. 1,643,584.5 | |
| NAD'83 GEO. | LAT-(N) 39.799928 | LONG-(W) 80.656465 | |
| NAD'83 UTM (M) | N. 4,405,608.0 | E. 529,409.5 | |
| BOTTOM HOLE | | | |
| NAD'83 S.P.C.(FT) | N. 467,883.2 | E. 1,647,894.1 | |
| NAD'83 GEO. | LAT-(N) 39.778989 | LONG-(W) 80.640780 | |
| NAD'83 UTM (M) | N. 4,403,289.4 | E. 530,761.6 | |



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
slsv.com

| LEGEND | |
|------------|--|
| AS DRILLED | |
| PROPOSED | |

| (S.P.C. NORTH ZONE) (UTM(M) ZONE 17) | | | |
|--------------------------------------|-------------------|--------------------|--|
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| 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. 475,635.3 | E. 1,643,551.8 | |
| NAD'83 GEO. | LAT-(N) 39.800118 | LONG-(W) 80.656584 | |
| 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. 530,761.1 | |



(+) 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) | (A) |
| LEASE # (SEE WW-6A1) | |

SCALE 1" = 2000' FILE NO. 8910P3HMR2-AD.dwg
FITZGERALD S 3HM REV4
DATE MARCH 10, 20 23
REVISED _____
OPERATORS WELL NO. FITZGERALD S 3HM
API WELL NO. 47 — 051 — 02393
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

10/27/2023

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

| 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 |

4,435' B.H.A.D. / 4,576' T.H.A.D.

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

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

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|-------------------|-------------------|--------------------|
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| 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

| | | |
|-------------------|-------------------|--------------------|
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BOTTOM HOLE

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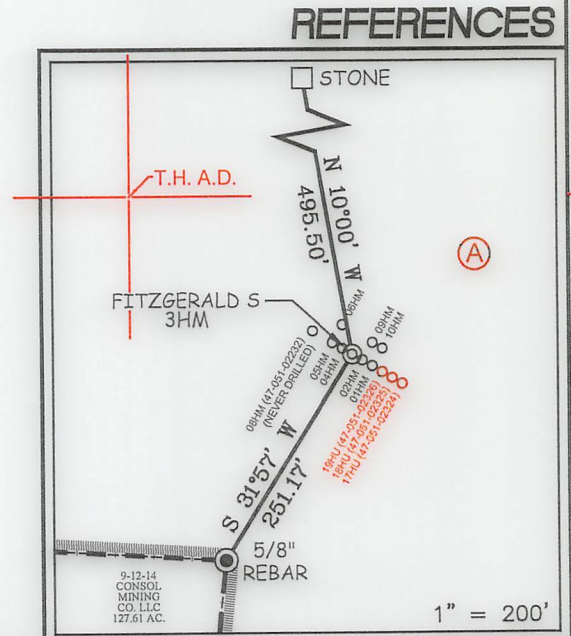
T.H. LONGITUDE 80°37'30"
B.H. LONGITUDE 80°37'30"
4,618' B.H.A.D.
11,696' T.H.A.D.

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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254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsw.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 MARCH 10, 20 23
REVISED _____
OPERATORS WELL NO. FITZGERALD S 3HM
API WELL NO. 47 - 051 - 02393
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8910P3HMR2-AD.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 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: 7,023' / TMD: 18,004'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN - CT CORPORATION
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