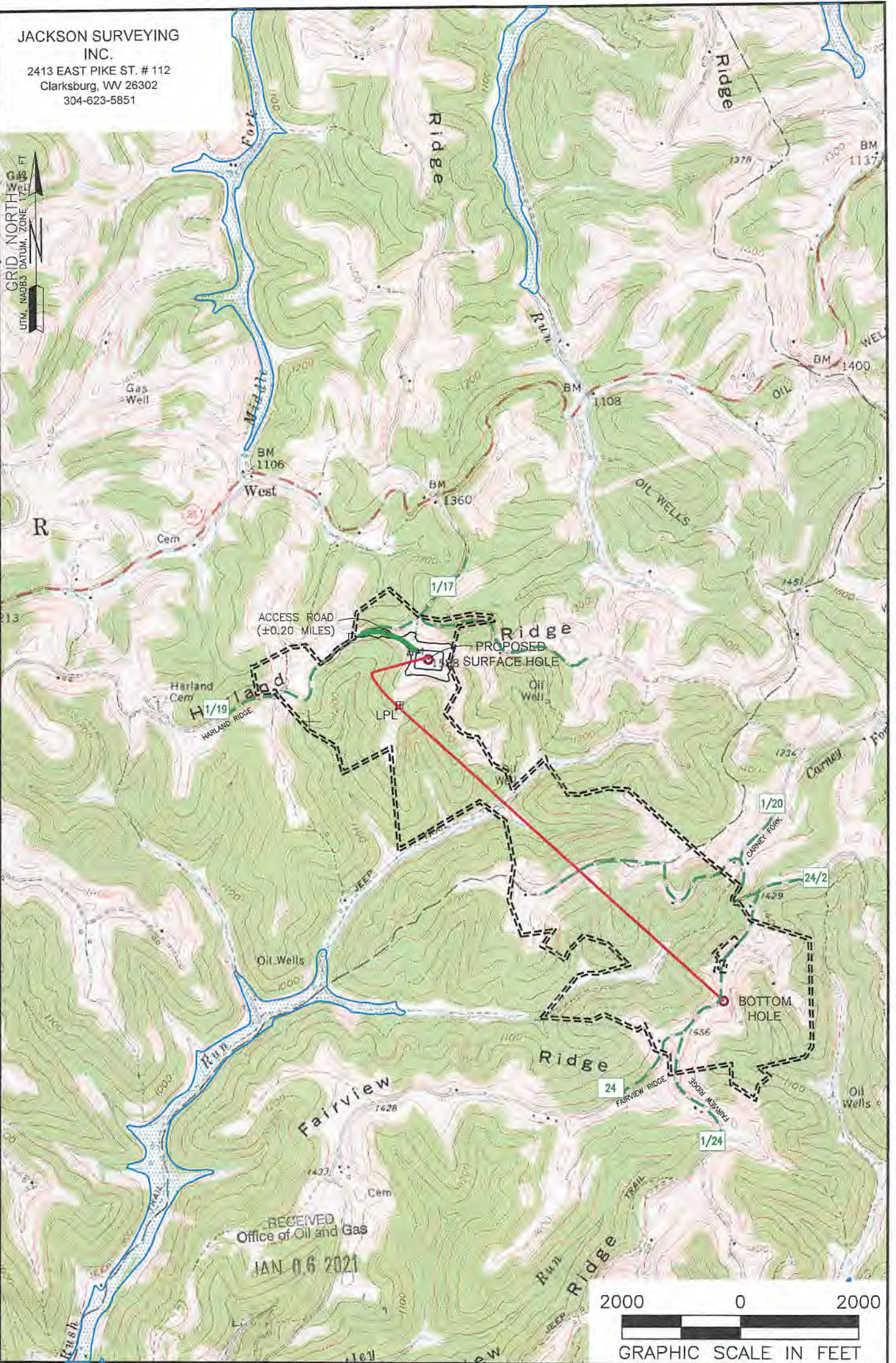


JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarksburg, WV 26302  
 304-623-5851

GRID NORTH  
 UTM, NAD83 DATUM, ZONE 17T US FT



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL\* LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR:  
 SWN PRODUCTION COMPANY, LLC

ADDRESS:  
 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508

SURFACE OWNER:  
 WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA

WELL (FARM) NAME:  
 WILLIAM RITCHEA WTZ

COUNTY - CODE  
 WETZEL - 103

USGS 7 1/2 QUADRANGLE MAP NAME  
 WILEYVILLE, WV

WELL # SERIAL #  
 8H

DISTRICT;  
 PROCTOR

Latitude: 39°42'30"

SURFACE HOLE 9637'

Latitude: 39°40'00"

BOTTOM HOLE

2478'

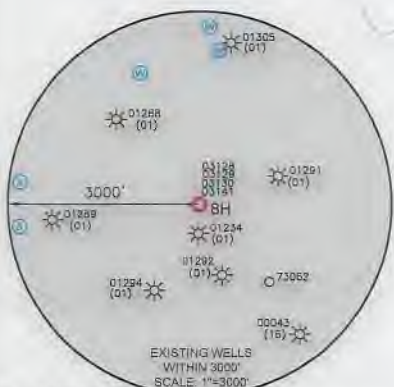
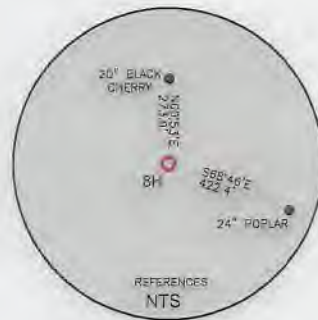
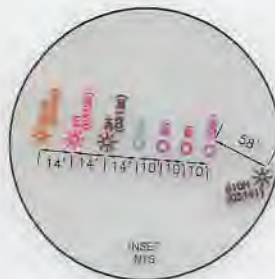
JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-6861

| LINE | BEARING       | DISTANCE | DESCRIPTION     | MONUMENT       |
|------|---------------|----------|-----------------|----------------|
| L1   | N 73°49'58" W | 1344.44' | SHL TO LANDMARK | FD. 5/8" REBAR |
| L2   | S 32°40'51" W | 910.03'  | SHL TO LANDMARK | FD. 5/8" REBAR |
| L5   | S 23°44'20" E | 47.62'   | AZL TO BHL      |                |
| LINE | BEARING       | DISTANCE | CURVE LENGTH    | DESCRIPTION    |
| L3   | S 32°50'11" W | 943.25'  | 1743.72'        | SHL TO LPL     |
| L4   | S 35°53'45" E | 1206.65' | 1215.71'        | AZL1 TO AZL2   |

|  |
|--|
| <b>SURFACE HOLE LOCATION (SHL):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,391,141.788<br>EASTING: 529,225.692 |
| <b>LANDING POINT LOCATION (LPL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,390,900.221<br>EASTING: 529,069.795 |
| <b>AZIMUTH POINT LOCATION-1 (AZL1):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,388,988.625<br>EASTING: 531,197.313 |
| <b>AZIMUTH POINT LOCATION-2 (AZL2):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,388,690.685<br>EASTING: 531,412.953 |
| <b>BOTTOM HOLE LOCATION (BHL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,388,677.399<br>EASTING: 531,418.796 |

GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT



WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

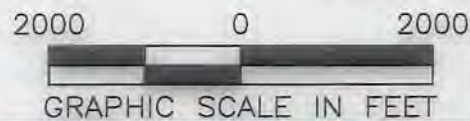
NOTES ON SURVEY

- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson



COMPANY: SWN Production Company, LLC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

WILLIAM RITCHEA WTZ  
OPERATOR'S WELL #: 8H  
API WELL #: 47 103 03371  
STATE COUNTY PERMIT

WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW

WATERSHED: FISH CREEK (HUC-10) ELEVATION: 1562.7' STAKED

DISTRICT: PROCTOR COUNTY: WETZEL QUADRANGLE: WILEYVILLE, WV

SURFACE OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA ACREAGE: ±62.00

OIL & GAS ROYALTY OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA ACREAGE: ±62.00

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,689' TVD 18,738' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508



DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

|                                     |                   |                    |
|-------------------------------------|-------------------|--------------------|
| LEGEND:                             | REVISIONS:        | DATE: 12-11-2020   |
| PROPOSED SURFACE HOLE / BOTTOM HOLE | SURVEYED BOUNDARY | DRAWN BY: N. MANO  |
| EXISTING / PRODUCING WELLHEAD       | DRILLING UNIT     | SCALE: 1" = 2000'  |
| LPL LANDING POINT LOCATION          | LEASE BOUNDARY    | DRAWING NO:        |
| EXISTING WATER WELL                 | PROPOSED PATH     | WELL LOCATION PLAT |
| EXISTING SPRING                     |                   |                    |

JACKSON SURVEYING  
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| WELL BORE TRACTS |  |              |
|------------------|--|--------------|
| TRACT            | SURFACE OWNER (S) / ROYALTY OWNER (R)  | TAX PARCEL   |
| 1                | RITCHEA WILLIAM D & SHIRLEY E (S/R)  | 12-0015-21   |
| TRACT            | SURFACE OWNER (S)  | TAX PARCEL   |
| 2                | PITOSCIA WILLIAM R(S)  | 12-0014-27   |
| 3                | DUELLEY BERNARD LEE ET AL & HALL SUSAN (S)   | 12-0015-25   |
| 4                | LEMASTERS HAROLD E & BETTY S; LEMASTERS KEYSTONE TRUST & STANSBERRY LINDA SNIDER & SNIDER JAMES F. (S) | 12-0015-31   |
| 5                | LEMASTERS HAROLD E & BETTY S; LEMASTERS KEYSTONE TRUST & STANSBERRY LINDA SNIDER & SNIDER JAMES F. (S) | 12-0015-32   |
| 6                | MELOTT TERREL LEMOYN (S)   | 01-0010-22   |
| 7                | A&D WOODLANDS LTD(S)   | 01-0009-15   |
| 8                | RITCHEA WILLIAM D; RITCHEA SHIRLEY (S)   | 01-0009-16   |
| 9                | RITCHEA WILLIAM D; RITCHEA SHIRLEY E (S)   | 01-0010-21   |
| 10               | WYKERT WAYNE (S)   | 01-0010-45.2 |
| 11               | RITCHEA WILLIAM D & SHIRLEY E (S)  | 01-0010-33   |
| 12               | WYKERT WAYNE (S)   | 01-0010-45.1 |
| 13               | FLEMING ALAN & CYNTHIA (S)   | 01-0010-48   |

| ADJOINING OWNERS TABLE |   |              |
|------------------------|---|--------------|
| TRACT                  | SURFACE OWNER   | TAX PARCEL   |
| A                      | BROWN SANDY K   | 12-0015-27   |
| B                      | BROWN SANDY K   | 12-0015-28   |
| C                      | YOHO KIMBERLY & KEITH ALLEN                                   | 12-0015-29   |
| D                      | MELOTT TERREL L   | 01-0010-10   |
| E                      | BARD VANESSA  | 01-0010-11.1 |
| F                      | WYKERT ERIC D   | 01-0010-23   |
| G                      | RICHTER ROMEY & CAROL   | 01-0010-33.1 |
| H                      | YEATER CHESTER C JR & LORENE REVOCABLE TRUST                  | 01-0010-32   |
| I                      | MCMILLEN SHARON J   | 01-0010-25   |
| J                      | MCMILLEN SHARON J   | 01-0010-34   |
| K                      | LASURE MICHAEL E. & VELVA C.                                  | 01-0010-35   |
| L                      | COASTAL FOREST RESOURCES CO                                   | 01-0014-03   |
| M                      | COASTAL FOREST RESOURCES CO & COASTAL TIMBERLANDS CO          | 01-0014-02.1 |
| N                      | CAIN GLENN JR & ELEANOR T                                     | 01-0014-02   |
| O                      | COASTAL FOREST RESOURCES CO                                   | 01-0010-47   |
| P                      | CAIN SAMUEL EST & CAIN GLEN JR                                | 01-0010-46   |
| Q                      | WYKERT VERNA L  | 01-0009-13   |
| R                      | JERRELL WILMA & JEFFREY (S)                                   | 01-0010-45   |
| S                      | WYKERT VERNA L  | 01-0009-12   |
| T                      | MELLOTT EDWARD NOEL HRS                                       | 01-0009-06   |
| U                      | MELLOTT EDWARD NOEL HRS                                       | 01-0009-05   |
| V                      | MELLOTT TERREL  | 01-0009-14   |
| W                      | RICHMAN TROY M  | 01-0009-04   |
| X                      | CECIL ROBERT LEE  | 12-0015-33   |
| Y                      | PITOSCIA ANTHONY A & DAVID T                                  | 12-0014-26   |
| Z                      | PITOSCIA WILLIAM R  | 12-0014-16   |
| A2                     | URBANEK SCOTT J & CHRYSTAL A                                  | 12-0015-13   |
| B2                     | LEMASTERS H C HRS & MANKER;<br>CHARLES V REVOCABLE LIVING TRU | 12-0015-18   |
| C2                     | DUELLEY BERNARD LEE ETAL & HALL SUSAN                         | 12-0015-22   |
| D2                     | DUELLEY BERNARD LEE ETAL & HALL SUSAN                         | 12-0015-26   |
| E2                     | LEMASTERS CEMETERY  | 12-0015-20   |

|            |            |         |   |            |
|------------|------------|---------|---|------------|
| REVISIONS: | COMPANY:   |         |   |            |
|            | OPERATOR'S |         | WILLIAM RITCHEA WTZ   |            |
|            | WELL #:    |         | 47-103-03371 H&A 8H   |            |
|            | DISTRICT:  | COUNTY: | STATE:  | DATE:      |
|            | PROCTOR    | WETZEL  | WV  | 12-11-2020 |
|            |            |         | DRAWN BY:   | N. MANO    |
|            |            |         | SCALE:  | N/A        |
|            |            |         | DRAWING NO:   |            |
|            |            |         | WELL LOCATION   | PLAT 2     |