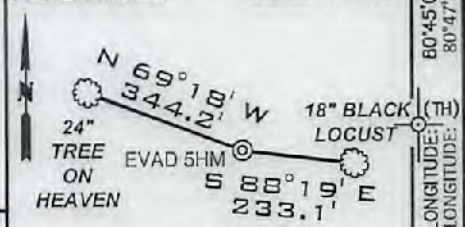


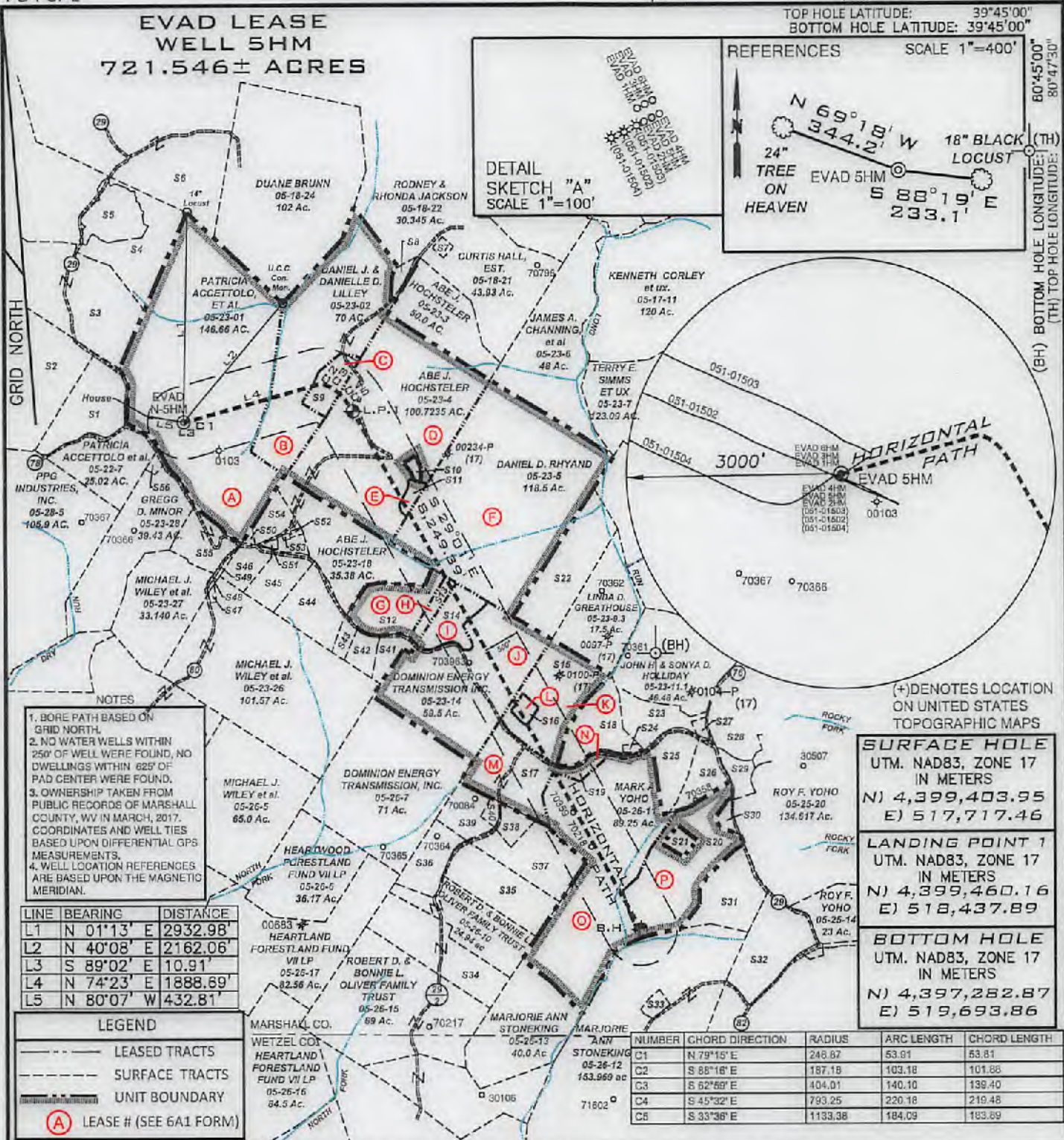
**EVAD LEASE  
WELL 5HM  
721.546± ACRES**

TOP HOLE LATITUDE: 39°45'00"  
BOTTOM HOLE LATITUDE: 39°45'00"

REFERENCES SCALE 1"=400'



DETAIL SKETCH "A"  
SCALE 1"=100'



- NOTES
1. BORE PATH BASED ON GRID NORTH.
  2. NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
  3. OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN MARCH, 2017. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
  4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

| LINE | BEARING    | DISTANCE |
|------|------------|----------|
| L1   | N 01°13' E | 2932.98' |
| L2   | N 40°08' E | 2162.06' |
| L3   | S 89°02' E | 10.91'   |
| L4   | N 74°23' E | 1888.89' |
| L5   | N 80°07' W | 432.81'  |

**LEGEND**

- LEASED TRACTS
- SURFACE TRACTS
- UNIT BOUNDARY
- (A) LEASE # (SEE 6A1 FORM)

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

| SURFACE HOLE                  |              |
|-------------------------------|--------------|
| UTM. NAD83, ZONE 17 IN METERS |              |
| N)                            | 4,399,403.95 |
| E)                            | 517,717.46   |
| LANDING POINT 1               |              |
| UTM. NAD83, ZONE 17 IN METERS |              |
| N)                            | 4,399,460.16 |
| E)                            | 518,437.89   |
| BOTTOM HOLE                   |              |
| UTM. NAD83, ZONE 17 IN METERS |              |
| N)                            | 4,397,282.87 |
| E)                            | 519,693.86   |

| NUMBER | CHORD DIRECTION | RADIUS  | ARC LENGTH | CHORD LENGTH |
|--------|-----------------|---------|------------|--------------|
| C1     | N 79°15' E      | 248.87  | 53.81      | 53.81        |
| C2     | S 88°18' E      | 187.18  | 103.18     | 101.88       |
| C3     | S 62°59' E      | 404.01  | 140.10     | 139.40       |
| C4     | S 45°32' E      | 793.25  | 220.18     | 219.48       |
| C6     | S 33°36' E      | 1133.38 | 184.09     | 183.69       |

FILE NUMBER \_\_\_\_\_

DRAWING NUMBER EVAD\_WP\_5HM

SCALE 1" = 2000'

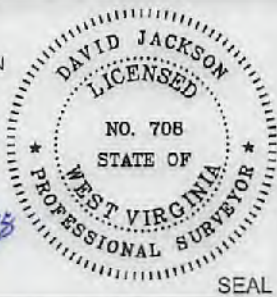
MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION SUBMETER MAPPING  
GRADE GPS

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

P.S. 708

*David L Jackson*



JACKSON SURVEYING INC.  
P.O. Box 1460  
Clarksburg, WV 25302  
304-623-5851



WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET, SE  
CHARLESTON, WV 25304

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION ELEVATION 1290.0' WATERSHED (HUC 10) FRENCH CREEK - OHIO RIVER

DISTRICT FRANKLIN COUNTY MARSHALL  
QUADRANGLE NEW MARTINSVILLE 7.5' LEASE NUMBER SEE WW-6A1 Form

SURFACE OWNER LOUIS J. & PATRICIA ACCETTOLO ET AL ACREAGE 146.66

OIL & GAS ROYALTY OWNER SEE WW-6A1 Form LEASE ACREAGE 146.66

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_  
PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD 6,662' TMD: 15,635'

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

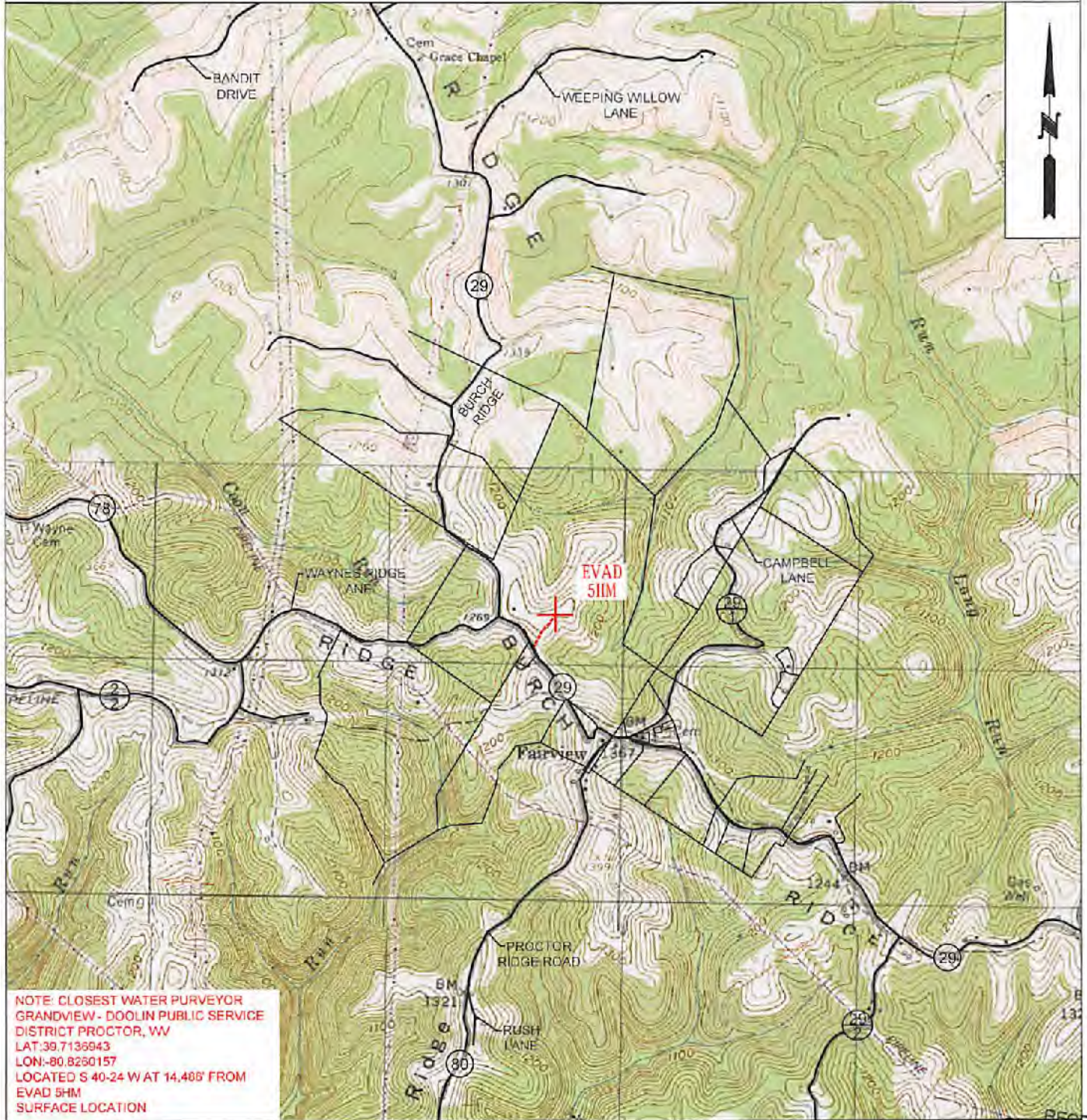
COUNTY NAME PERMIT



WW-9

# PROPOSED EVAD 5HM

SUPPLEMENT PG 2



NOTE: CLOSEST WATER PURVEYOR  
GRANDVIEW - DOOLIN PUBLIC SERVICE  
DISTRICT PROCTOR, WV  
LAT: 39.7136943  
LON: -80.8260157  
LOCATED S 40-24 W AT 14,468' FROM  
EVAD 5HM  
SURFACE LOCATION



**TUG HILL**  
OPERATING

OPERATOR **494510851**  
TUG HILL OPERATING, LLC  
380 SOUTHPOINTE BLVD  
SUITE 200  
CANONSBURG, PA 15317

TOPO SECTION  
NEW MARTINSVILLE 7.5'  
SCALE:  
1" = 2000'

LEASE NAME  
EVAD  
DATE:  
DATE: 05-23-2018

RECEIVED  
Office of Oil and Gas  
JUN 05 2018  
WV Department of  
Environmental Protection