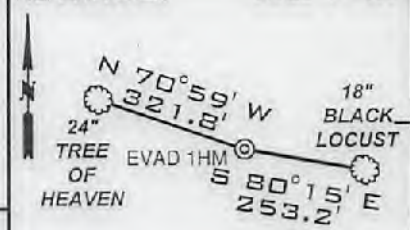


**EVAD LEASE  
WELL 1HM  
708.59± ACRES**

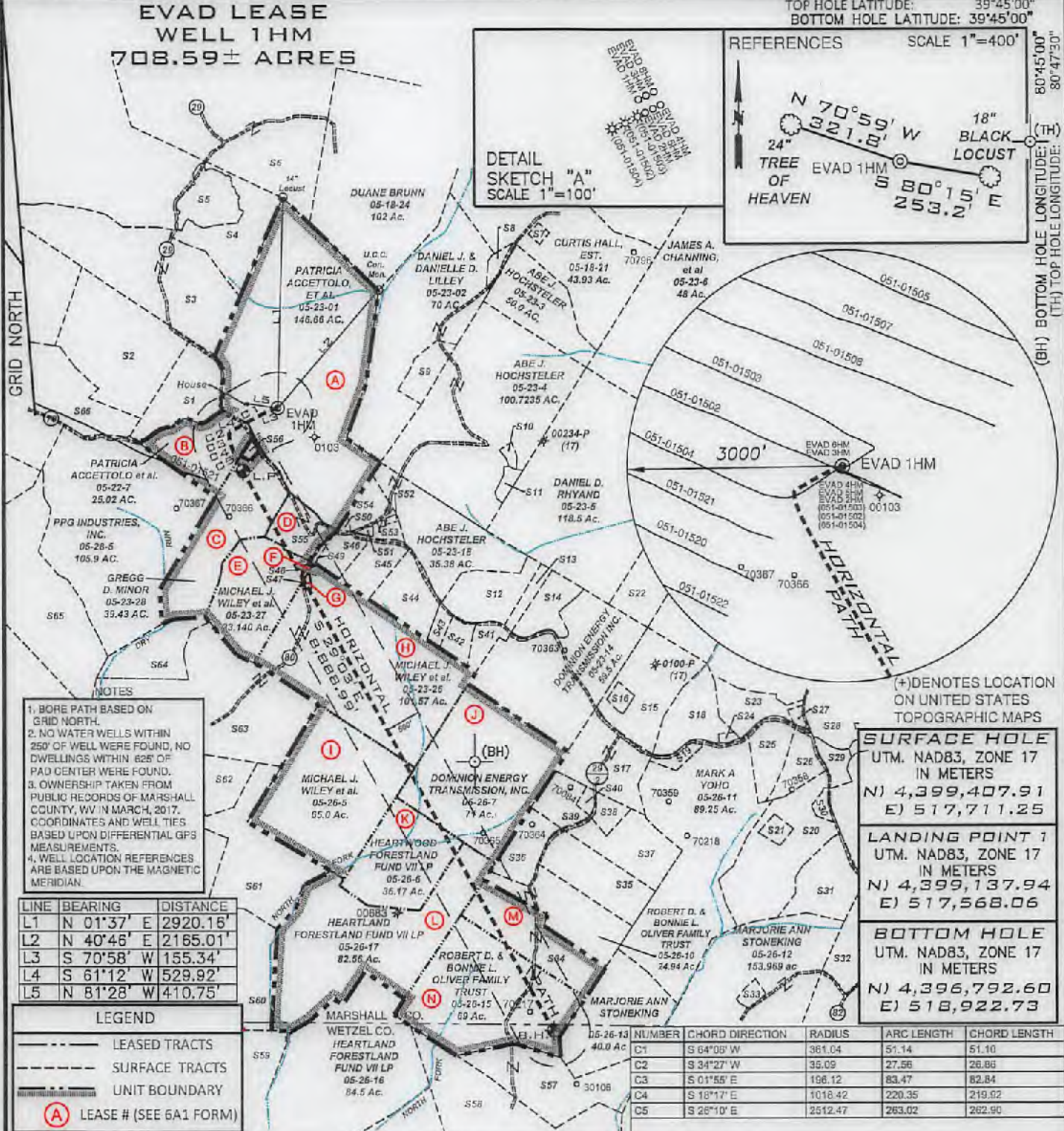
TOP HOLE LATITUDE: 39°45'00"  
BOTTOM HOLE LATITUDE: 39°45'00"

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.

(\*) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

SURFACE HOLE	
UTM. NAD83, ZONE 17 IN METERS	
N)	4,399,407.91
E)	517,711.25
LANDING POINT 1	
UTM. NAD83, ZONE 17 IN METERS	
N)	4,399,137.94
E)	517,568.06
BOTTOM HOLE	
UTM. NAD83, ZONE 17 IN METERS	
N)	4,396,792.60
E)	518,922.73

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C1	S 64°08' W	361.04	51.14	51.10
C2	S 34°27' W	35.09	27.56	26.86
C3	S 01°55' E	106.12	83.47	82.84
C4	S 18°17' E	1018.42	220.35	219.02
C5	S 26°10' E	2512.47	263.02	262.90

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

DRAWING NUMBER EVAD\_WP\_1HM

SCALE 1" = 2000'

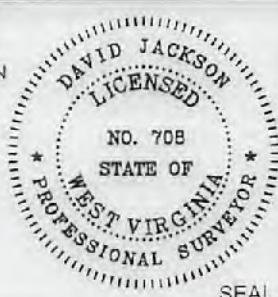
MINIMUM DEGREE OF ACCURACY 1/200

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 26302  
304-623-6651



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

DATE: June 4, 2018

OPERATORS WELL NO. EVAD 1HM

API WELL NO. 47-051-02056

STATE COUNTY PERMIT

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 ACCETOLO 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 6,644' TMD: 15,811'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER  
CT CORPORATION SYSTEM

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5400 D BIG TYLER ROAD  
FORT WORTH, TX 76107 CHARLESTON, WV 25313

COUNTY NAME PERMIT

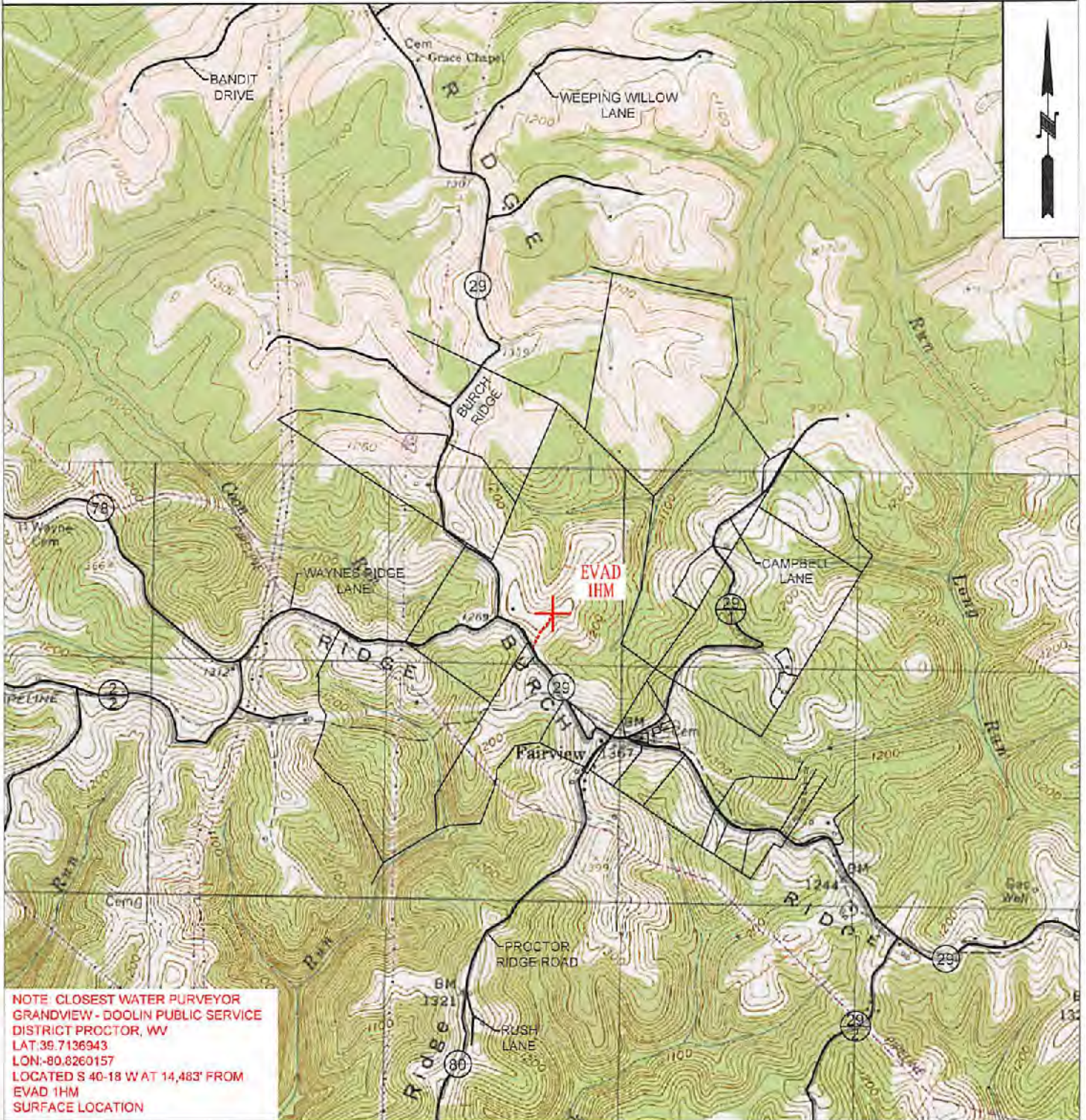


WW-9

# PROPOSED EVAD 1HM

RECEIVED  
Office of Oil and Gas  
JUN 18 2018  
WV Department of  
Environmental Protection

SUPPLEMENT PG 2



NOTE CLOSEST WATER PURVEYOR  
 GRANDVIEW - DOOLIN PUBLIC SERVICE  
 DISTRICT PROCTOR, WV  
 LAT: 39.7136943  
 LON: -80.8260157  
 LOCATED S 40-18 W AT 14,483' FROM  
 EVAD 1HM  
 SURFACE LOCATION



**TUG HILL**  
OPERATING

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

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

**LEASE NAME**  
 EVAD  
**DATE:**  
 DATE: 05-30-2018