

- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN MARCH, 2017. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- TRACTS "M" AND "EE" ARE FORCED POOLED.
- ALL DEEP WELLS WITHIN 3,000' OF LATERAL ARE SHOWN ON THIS PLAT.

LINE	BEARING	DISTANCE
L1	N 42°04' E	2932.82'
L2	N 81°43' E	1975.85'
L3	S 49°02' E	104.65'
L4	S 82°42' E	1603.50'

LEGEND

- LEASE TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- UNIT BOUNDARY
- (A) LEASE # (SEE 6A1 FORM)
- (+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS
- FORCED POOL TRACT

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C1	N 81°08' E	124.73	76.46	75.27
C2	N 39°37' E	129.02	82.56	90.59

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C3	N 05°49' E	372.46	161.62	160.35
C4	N 14°14' W	934.86	265.36	264.49
C5	N 25°23' W	1317.22	171.50	171.48

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,887.17
E) 519,138.53

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,001.40
E) 519,648.23

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,406,249.47
E) 517,769.18

FILE NUMBER _____

DRAWING NUMBER BRYAN_WP_N-13HU

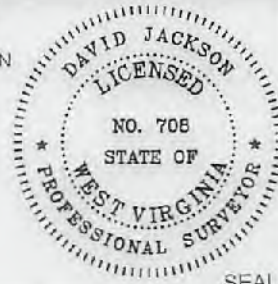
SCALE 1" = 2000'

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

David L Jackson



JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5851

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

DATE: DECEMBER 27, 2017

REVISED DATE: JULY 16, 2018

OPERATORS WELL NO. BRYAN N-13HU

API WELL NO. _____

STATE 47 COUNTY 051 PERMIT 02030 H6A

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

LOCATION ELEVATION 1191.0' WATERSHED (HUC 10) Fish Creek

DISTRICT Franklin COUNTY Marshall

QUADRANGLE Powhatan Point 7.5' LEASE NUMBER SEE WW-6A1 ROYALTY OWNERS

SURFACE OWNER CNX LAND RESOURCES, INC. ACREAGE 81.98

OIL & GAS ROYALTY OWNER MICHAEL R. BRYAN - SEE WW-6A1 ROYALTY OWNERS LEASE ACREAGE 81.98

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 Point Pleasant ESTIMATED DEPTH TVD: 11,393' TMD: 24,342'

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

09/07/2018

COUNTY NAME
PERMIT

APR 9 2018

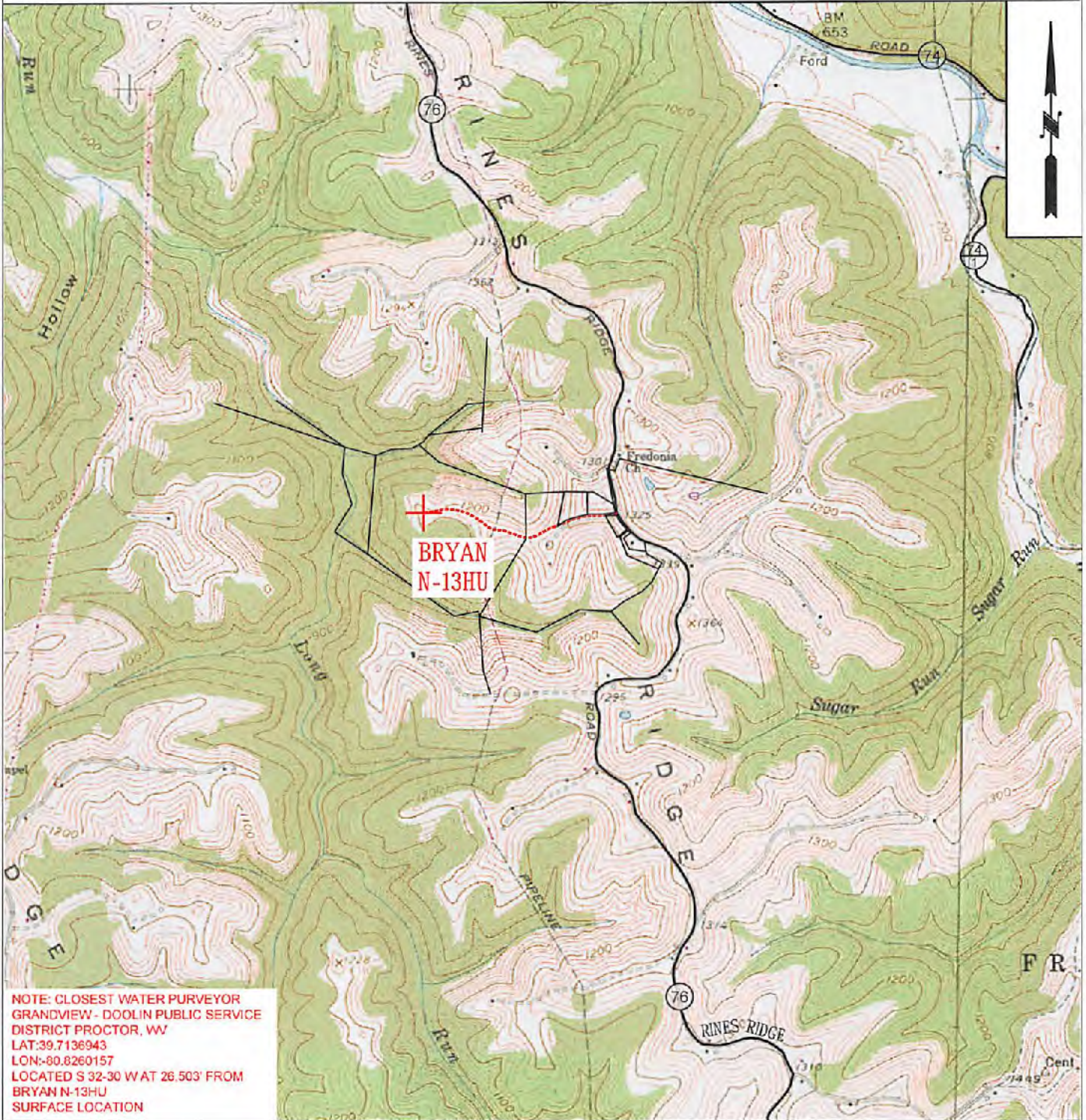
51-02030

WW-9

WV Department of
Environmental Protection

**PROPOSED
BRYAN N-13HU**

SUPPLEMENT PG 2



NOTE: CLOSEST WATER PURVEYOR
GRANDVIEW - DOOLIN PUBLIC SERVICE
DISTRICT PROCTOR, WV
LAT:39.7136943
LON:-80.8260157
LOCATED S 32-30 W AT 26.503' FROM
BRYAN N-13HU
SURFACE LOCATION



**TUG HILL
OPERATING**

OPERATOR	494510851	TOPO SECTION	LEASE NAME
TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317		POWHATAN POINT 7.5'	BRYAN
SCALE:		DATE:	
1" = 2000'		DATE: 12/12/17	

09/07/2018