

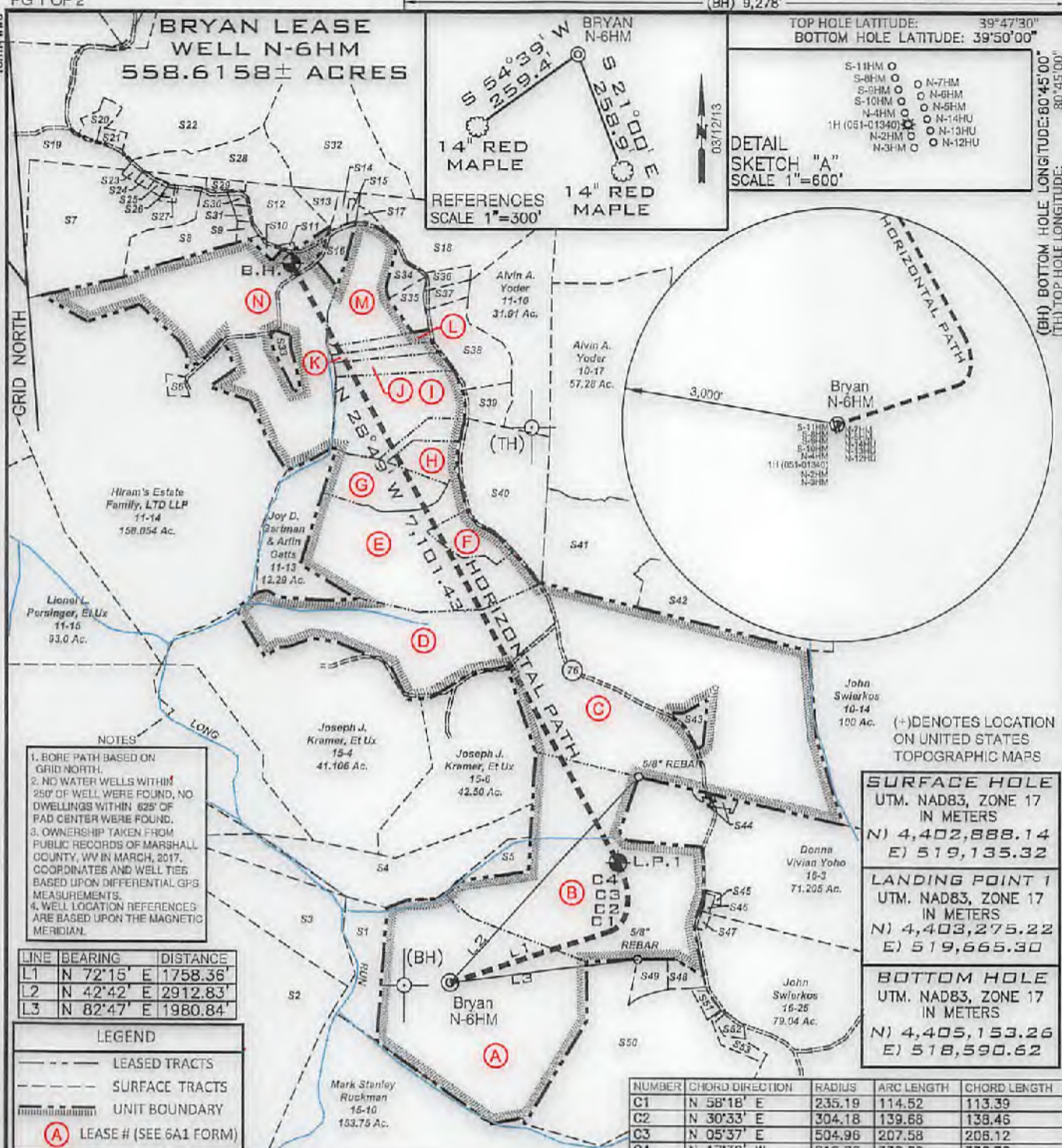
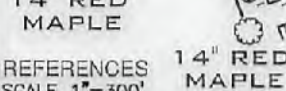
**BRYAN LEASE  
WELL N-6HM  
558.6158 ± ACRES**

TOP HOLE LATITUDE: 39°47'30"  
BOTTOM HOLE LATITUDE: 39°50'00"

- S-11HM ○
- S-8HM ○
- S-9HM ○
- S-10HM ○
- N-4HM ○
- 1H (051-01340) ○
- N-2HM ○
- N-3HM ○
- N-7HM ○
- N-6HM ○
- N-5HM ○
- N-14HU ○
- N-13HU ○
- N-12HU ○

DETAIL  
SKETCH "A"  
SCALE 1"=600'

REFERENCES  
SCALE 1"=300'



- 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 72°15' E	1758.36'
L2	N 42°42' E	2912.83'
L3	N 82°47' E	1980.84'

**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)	4,402,888.14
E)	519,135.32
LANDING POINT 1	
UTM, NAD83, ZONE 17 IN METERS	
N)	4,403,275.22
E)	519,665.30
BOTTOM HOLE	
UTM, NAD83, ZONE 17 IN METERS	
N)	4,405,153.26
E)	518,590.62

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C1	N 58°18' E	235.19	114.52	113.39
C2	N 30°33' E	304.18	139.68	138.46
C3	N 05°37' E	504.96	207.58	206.12
C4	N 17°30' W	819.86	339.20	336.78

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

DRAWING NUMBER BRYAN\_WP\_N-6HM

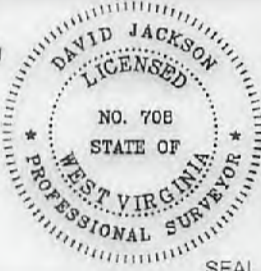
SCALE 1" = 1500'

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  
304-623-5851

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 1191.0' WATERSHED (HUC 10) Fish Creek

DISTRICT Franklin COUNTY Marshall

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

DATE: SEPTEMBER 27, 2017

OPERATORS WELL NO. BRYAN N-6HM

API WELL NO. 47-051-01977

STATE WV COUNTY Marshall PERMIT 01977

SURFACE OWNER CNX LAND RESOURCES, INC. ACREAGE 81.98

OIL & GAS ROYALTY OWNER MICHAEL R. BRYAN - SEE WW 6A1 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 Marcellus ESTIMATED DEPTH TVD: 6,596' TMD: 14,610'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER  
1320 SOUTH UNIVERSITY DRIVE, SUITE 500 CT CORPORATION SYSTEM  
FORT WORTH, TX 76107 5400 D BIG TYLER ROAD  
CHARLESTON, WV 25313

02/09/2018

COUNTY NAME  
PERMIT

**BRYAN LEASE  
WELL N-6HM  
558.6158± ACRES**

GRID NORTH

Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES
S1	15-13	CNX Land Resources	11.0
S2	15-12	John David Petrock Et Ux	150.23
S3	15-14	John David Petrock Et Ux	25.0
S4	15-6.1	Joseph J. Kramer Et Ux	39.40
S5	15-7	Terry D. Rose Et Ux	4.5
S6	11-14.1	Dennis F. Moore Et Ux	1.056
S7	11-17	Kevin R. Corley Et Ux	36.13
S8	11-17.2	Brenda & Michael Bryan	11.504
S9	11-25	Owen Michael Barr	0.598
S10	11-16.1	Susan Marie Smith- Life	0.876
S11	11-5.2	Rickey Lynn & Victoria Rose Cross	1.0
S12	11-5	Kevin R. Corley Et Ux	10.36
S13	11-5.3	Robert Harris Arrick Et Ux	3.0
S14	11-6	Robert & Rebecca Arrick	1.29
S15	11-7	Baptist Cemetery	1.0
S16	11-16.3	Kegan Michael Haught- Life	3.265
S17	11-8	Baptist Church	0.8
S18	11-9	Southern Country Farms Inc.	54.625
S19	11-21	Omar Rine Est & CNX Land LLC	112.67
S20	11-2.1	Walter C. & Cheryl A. Rine	1.19
S21	11-2.2	Marlon R. Connee	2.193
S22	11-2	Walter C. & Cheryl A. Rine	42.367
S23	11-20	David E. Gray	0.569
S24	11-19	David E. Gray	0.532
S25	11-18	David E. Gray	0.569
S26	11-22	David Gray	0.353
S27	11-17.1	David Gray	0.297
S28	11-3	Kevin R. Corley Et Ux	13.18
S29	11-5.2	Rickey Lynn & Victoria Rose Cross	1.0
S30	11-24	Charles Edward Furbee Et Ux	0.603
S31	11-23	Owen Michael Barr	0.845
S32	11-4	David H. Arrick Et Ux	31.5
S33	11-16.2	Joseph Haught	2.181
S34	11-9.10	John A. & Janet L. Beucke	2.348
S35	11-9.2	Michael R. Bryan	3.143
S36	11-9.8	Sean F. Moore	2.070
S37	11-9.7	Sean F. Moore	2.026
S38	11-9.1	Jack Shephard Higgins Jr. Et Al	10.92
S39	11-9.4	Jack S. Higgins Et Ux	4.129
S40	11-11.2	Wesley R. Bryan & Wesley R. Bryan II	25.031
S41	10-16.4	Elizabeth & Melvin E. Ferguson Jr.	30.87
S42	10-16	Linda & Timothy McGinnis Sr.	30.87
S43	10-15.1	Donald T. Miller	2.095
S44	16-3.2	Jimmy Ostrander Sr. Et Ux	1.435
S45	16-3	Donna Vivian Yoho	71.205
S46	16-2	Christian Church	0.19
S47	16-1	Christian Church	0.50
S48	16-23.1	Ray E. Minor Et Ux	2.0
S49	16-23.4	Michael R. & Brenda K. Bryan	3.0
S50	16-23	CNX Land Resources Inc.	60.138
S51	16-23.3	Greg & Christina Riddle	1.0
S52	16-24	Alan M. Bayser Et Ux	1.083
S53	16-23.2	Alan M. Bayser Et Ux	1.726

02/09/2018



**TUG HILL**  
OPERATING

OPERATOR'S

WELL #: Bryan N-6HM

DISTRICT:

Franklin

COUNTY:

Marshall

STATE: WV

WELL PLAT

PAGE 2 OF 2

DATE: 09/27/2017