

FILE NUMBER _____

DRAWING NUMBER **BRYAN_N-12HU_REV 3**

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



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



JACKSON SURVEYING INC.
P.O. Box 1490
Clarksburg, WV 26302
304-623-6851

DATE: DECEMBER 22, 2017

REVISED DATE: OCTOBER 03, 2019

OPERATORS WELL NO. BRYAN N-12HU

API WELL NO. 47-051-02029MOD

STATE WV COUNTY Marshall PERMIT 47-051-02029MOD

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: 21,515'

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

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

COUNTY NAME
PERMIT

ADDRESS FOOT MOUTH TX 75101
1330 SOUTH UNIVERSITY DRIVE, SUITE 200
WELL OPERATOR THE HILL OPERATING, LLC
TARGET FORMATION Point Pleasant

ADDRESS CHARGEOTON, WA 98213
2400 D BIG LAGER ROAD
DESIGNATED AGENT CI CORPORATION SYSTEM
DANNA STAMPER
ESTIMATED DEPTH LTD: 11'383, LMD: 31'212,
BTUC & ABAWON CREAM OUT & BEGUE

PROPOSED WORK: DRILL CONVERT DRILL DEEPER BEDRIFT FRACTURE OR STIMULATE BTUC OFF OLD FORMATION
OIL & GAS ROYALTY OWNER MICHAEL B. BRADY - SEE MW-841 ROYALTY OWNERS LEASE AGREEMENT 81.88
SURFACE OWNER SIX LAND RESOURCES, INC. ACREAGE 81.88

SQUAREFOOTAGE Point Pleasant 1.2, LEASE NUMBER SEE MW-841 ROYALTY OWNERS
DISTRICT Franklin COUNTY Madison

LOCATION ELEVATION 1181.0, WATERSHED (HUC ID) Frank Creek
(If "Gas") PRODUCTION STORAGE DEEP SHALLOW
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL

CHARGEOTON, WA 98204
801 8TH STREET, SE
OFFICE OF OIL & GAS
WADEB



304-833-2804
Chargeoton, WA 98205
P.O. Box 1460
LACKSON SURVEYING INC



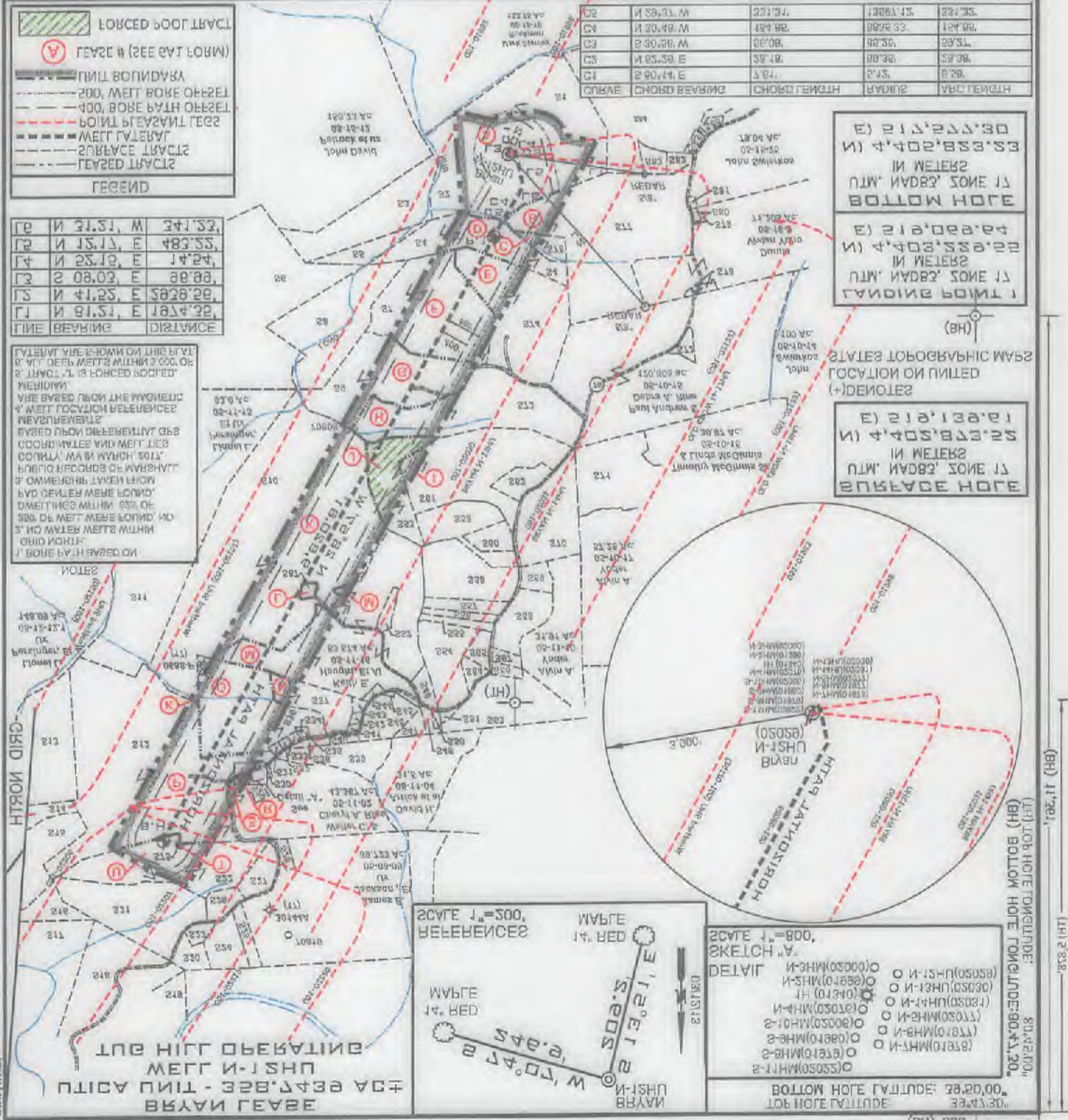
GRADE CBS
OF ELEVATION SUBMETER MAPPING
PROVEN SOURCE
OF ACCURACY 1/500
MINIMUM DEGREE
SCALE 1" = 5000,
DRAWING NUMBER BRADY N-15811 REV 2
FILE NUMBER

PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION
INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND
TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT

- FORCED FOOTPRINT
- LEASE # (SEE EAST FORM)
- PITL BOUNDARY
- 200' WELL BORE OFFSET
- 400' BORE PATH OFFSET
- POINT PLACEMENT LINES
- WELL PATHWAY
- SURFACE TRACTS
- LEASED TRACTS

G1	N 31.31, W	341.33
G2	N 13.11, E	482.33
G4	N 23.12, E	142.24
G3	S 08.03, E	88.88
G5	N 41.25, E	328.28
G1	N 81.51, E	181.42
LINE BEARING	DISTANCE	

DATE: DECEMBER 33, 2013
OPERATORS WELL NO: BRADY N-15811
REVISOR DATE: OCTOBER 03, 2018
DATE: DECEMBER 33, 2013



11' SURFACE HOLE
IN METERS
11' SURFACE HOLE
IN METERS
11' SURFACE HOLE
IN METERS

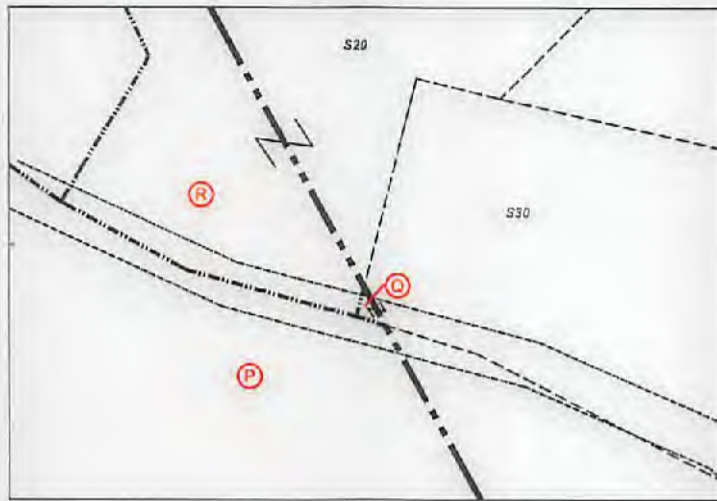
11' SURFACE HOLE
IN METERS
11' SURFACE HOLE
IN METERS

SCALE 1"=300, REFERENCES
SCALE 1"=800, SKETCH A
DELTA

11' SURFACE HOLE
IN METERS
11' SURFACE HOLE
IN METERS
11' SURFACE HOLE
IN METERS

PG 2 OF 3 BRYAN LEASE
 UTICA UNIT - 358.7439 AC±
 WELL N-12HU
 TUG HILL OPERATING

Detail "A"



Number	TAX MAP -PARCEL	SURFACE OWNER	ACRES	Number	TAX MAP -PARCEL	SURFACE OWNER	ACRES
S1 A	05-15-9	CNX Land Resources	81.98	S45	05-11-5.1	James R. Anderson et ux	0.205
S2	05-15-13	CNX Land Resources	11.0	S46	05-11-5	(Part of S30) Kevin R. Corley et ux	10.36
S3	05-15-14	John David Pelrock et ux	25.0	S47	05-11-5.3	Robert Harris Arrick et ux	3.0
S4 D	05-15-6.1	Joseph J. Kramar, et ux	39.40	S48	05-11-6	Robert & Rebecca Arrick	1.29
S5	05-15-2	John David Pelrock et ux	5.0	S49	05-11-16.3	Kegan Michael Haught - Life	3.265
S6	05-15-1	Marcus Sharp & David Schlabach	121.0	S50	05-11-7	Baptist Cemetery	1.0
S7 F	05-15-5	Joseph J. Kramar, et ux	35.0	S51	05-11-8	Baptist Church	0.8
S8	05-15-3	Joseph J. Kramar et ux	36.10	S52	05-11-16.2	Joseph Haught	2.181
S9 G	05-15-4	Joseph J. Kramar, et ux	41.106	S53 J	05-11-13	Joy D. Gartman & Arlin Getts	12.29
S10 K	05-11-14	Hiram's Est. Family LTD LLP	158.054	S54	05-11-9.3	Joseph M. Haught & Staven Haught	16.3
S11	05-12-11	Wesley Bryan & Wesley Bryan II	52.478	S55	05-11-9.5	Southern Country Farms, Inc	2.559
S12 P	05-11-21	Omar Rine, Est.	112.67	S56	05-11-9.6	Southern Country Farms, Inc	2.488
S13	05-12-12	Lionel L. Persinger et ux	45.0	S57	05-11-9.9	Leonard L. Parsons, et ux	5.89
S14	05-12-10	Murray Energy	13.76	S58	05-11-9	Edwin C. & Kimberly A. Miller	41.773
S15	05-12-10.1	Murray Energy	38.48	S59	05-11-11.4	Brad M. & Amanda J. Blake	15.193
S16	05-12-9	Lionel & Mary Lee Persinger	10.15	S60	05-11-11	Brad M. & Amanda J. Blake	5.0
S17	05-7-39	Lionel L. Persinger et ux	57.0	S61 I	05-11-11.3	Herman D. Lantz & Herman J. Lantz	43.96
S18	05-7-33	William N. Roupe	24.60	S62	05-11-11.1	Nellie Marie & Robert W. Spencer	5.813
S19	05-7-31	William N. Roupe	43.147	S63	05-11-9	(Part of S49) Edwin C. & Kimberly A. Miller	41.773
S20	05-11-1	William N. & Virginia A. Roupe	4.527	S64	05-11-9.10	John A. & Janet L. Beucke	2.348
S21	05-11-1.4	Larry W. Dunlap, et al	32.498	S65	05-11-9.2	Michael R. Bryan	3.143
S22 U	05-11-1.1	Larry W. Dunlap, et al	34.405	S66	05-11-9.8	Sean F. Moore	2.070
S23	05-11-1.6	Debra Morris	2.093	S67	05-11-9.7	Sean F. Moore	2.026
S24	05-11-1.7	William S. & Mary K. Adams	8.0	S68	05-11-9.1	Jack Shephard Huggins Jr., et al	10.92
S25	05-11-1.5	Paul & Sandy Whit	3.507	S69	05-11-9.4	Jack S. Huggins et al	4.129
S26	05-11-1.3	Jay A. Conner, et ux	4.256	S70	05-11-11.2	Wesley R. Bryan & Wesley R. Bryan II	25.031
S27	05-11-1.2	Jay A. Conner, et ux	5.824	S71	05-10-16.4	Elizabeth & Melvin E. Ferguson Jr.	30.87
S28	05-8-9.1	Scott E. Jackson, Tammy S. South & Marion Jackson	1.957	S72	05-10-15.1	Donald T. Miller	2.095
S29 R	05-11-2.1	Walter C. & Cheryl A. Rine	1.19	S73 H	05-11-12	Joseph J. Kramar, et ux	43.2188
S30 Q	05-11-2.2	Joshua A. Myers	2.193	S74 E	05-15-6	Joseph J. Kramar, et ux	42.5
S31	05-11-20	David E. Gray	0.569	S75 T	WITHIN 05-11-1.1	Cemetery	
S32	05-11-19	David E. Gray	0.532	S76 C	05-15-7	Terry D. Rose, et ux	4.5
S33	05-11-18	David E. Gray	0.569	S77 B	05-15-8	Terry D. Rose, et ux	77.11
S34	05-11-22	David E. Gray	0.353	S78	05-16-3.2	Jimmy Lee Ostrander Jr., Sheena Lynn Ostrander, & Brody Ray Ostrander	1.435
S35	05-11-17.1	David Gray	0.297	S79	05-16-3.1	Dennis E. Jackson, et ux	0.27
S36 O	05-11-17	Kevin R. Corley, et ux	36.13	S80	05-16-2	Christian Church	0.19
S37 N	05-11-17.2	Brenda & Michael Bryan	11.504	S81	05-16-1	Christian Church	0.50
S38	05-11-5	Kevin R. Corley et ux	10.36	S82	05-16-23.1	Ray E. Minor, et ux	2.0
S39	05-11-3	Kevin R. Corley et ux	13.18	S83	05-16-23.4	Michael R. & Brenda K. Bryan	3.0
S40	05-11-5.2	Ricky Lynn & Victoria Rose Cross	1.0	S84	05-16-23	CNX Land Resources, Inc.	60.138
S41	05-11-24	Charles Edward Furbee et ux	0.603	S85	05-16-23.3	Greg & Christina Riddle	1.0
S42	05-11-23	Owen Michael Barr	0.845	S86	05-16-24	Alan M. Beyser, et ux	1.083
S43	05-11-25	Owen Michael Barr	0.598	S87 L	05-11-14.1	Dennis F. Moore, et ux	1.056
S44	05-11-16.1	Susan Marie Smith - Life	0.876				



47-051-02029-M00

P.S. 708 *David L Jackson*

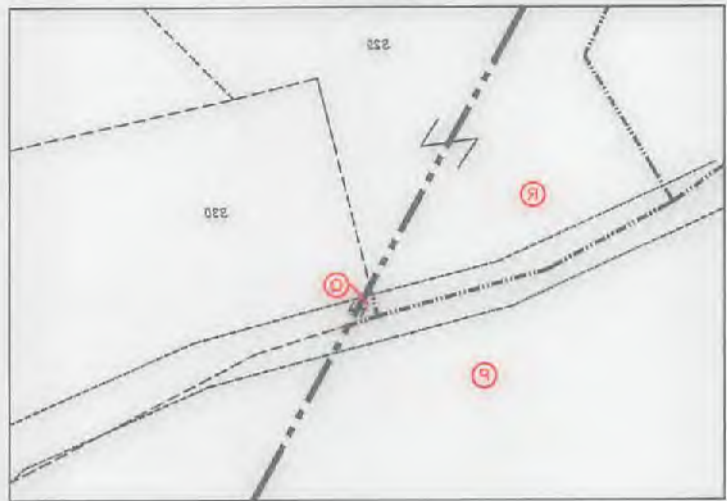


TUG HILL
 OPERATING

OPERATOR'S
 WELL #: Bryan N-12HU
 DISTRICT: Franklin
 COUNTY: Marshall
 STATE: WV

WELL PLAT
 PAGE 2 OF 3
 DATE: 12/22/2017
 REVISED DATE:
10/03/2019

Detail "A"



Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES	Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
244	05-11-16.1	Susan Mabe Smith - Life	0.876	287	05-11-14.1	Dennis F. Moore, et ux	1.088
243	05-11-25	Owen Michael Barn	0.598	286	05-16-24	Alan M. Bayser, et ux	1.083
242	05-11-23	Owen Michael Barn	0.842	285	05-16-24	Alan M. Bayser, et ux	1.083
241	05-11-24	Charles Edward Fubee et ux	0.803	284	05-16-23.2	Greg & Christina Riddle	1.0
240	05-11-23	Ricky Lynn & Victoria Rose Cross	1.0	284	05-16-23	CNX Land Resources, Inc.	80.138
239	05-11-3	Kevin R. Cohey et ux	13.18	283	05-16-23.4	Michael R. & Brenda K. Bryan	3.0
238	05-11-2	Kevin R. Cohey et ux	10.38	282	05-16-23.1	Ray E. Minor, et ux	2.0
237	05-11-17.2	Brenda & Michael Bryan	11.804	281	05-16-1	Christian Church	0.50
236	05-11-17	Kevin R. Cohey, et ux	38.13	280	05-16-2	Christian Church	0.19
235	05-11-17.1	David Gray	0.297	279	05-16-3.1	Dennis E. Jackson, et ux	0.27
234	05-11-22	David E. Gray	0.252	278	05-16-3.2	Limmy Lee Ostender, Jr., Sheena Lynn Ostender & Brody Ray Ostender	1.435
233	05-11-18	David E. Gray	0.568	277	05-16-8	Terry D. Rose, et ux	77.11
232	05-11-18	David E. Gray	0.532	276	05-16-7	Terry D. Rose, et ux	4.5
231	05-11-20	David E. Gray	0.588	275	05-11-1.1	WITWIN Cemetery	
230	05-11-23	Lois A. Myers	2.192	274	05-16-8	Joseph J. Kramar, et ux	42.5
229	05-11-21	Walter C. & Cheryl A. Rine	1.19	273	05-11-12	Joseph J. Kramar, et ux	43.2188
228	05-8-9.1	Scott E. Jackson, Tommy S. South & Markon Jackson	1.957	272	05-10-15.1	Donald T. Miller	2.092
227	05-11-12	Lay A. Corner, et ux	5.824	271	05-10-16.4	Elizabeth & Melvin E. Ferguson, Jr.	30.87
226	05-11-13	Lay A. Corner, et ux	4.256	270	05-11-11.2	Wesley R. Bryan & Wesley R. Bryan II	25.031
225	05-11-15	Paul & Sandy Whit	3.507	269	05-11-9.4	Jack S. Huggins et al	4.129
224	05-11-17	William S. & Mary K. Adams	8.0	268	05-11-9.1	Jack Shephard Huggins, Jr. et al	10.92
223	05-11-18	Debra Morla	2.093	267	05-11-9.7	Sean F. Moore	2.028
222	05-11-11	Larry W. Dunlap, et al	24.405	266	05-11-9.8	Sean F. Moore	2.070
221	05-11-14	Larry W. Dunlap, et al	32.498	265	05-11-9.2	Michael R. Bryan	3.143
220	05-11-1	William N. & Virginia A. Rouse	4.527	264	05-11-9.10	John A. & Janet L. Baucke	2.348
219	05-7-31	William N. Rouse	43.147	263	05-11-9	(Part of 248) Edwin C. & Kimberly A. Miller	41.773
218	05-7-33	William N. Rouse	24.80	262	05-11-11.1	Nelle Mabe & Robert W. Spencer	2.813
217	05-7-39	Lonel J. Peninger et ux	57.0	261	05-11-11.3	Herman D. Lantz & Herman J. Lantz	43.95
216	05-12-9	Lonel & Mary Lee Peninger	10.12	260	05-11-11	Brad M. & Amanda J. Blake	5.0
215	05-12-10.1	Munsey Energy	38.48	259	05-11-11.4	Brad M. & Amanda J. Blake	15.183
214	05-12-10	Munsey Energy	13.76	258	05-11-9	Edwin C. & Kimberly A. Miller	41.773
213	05-12-12	Lonel J. Peninger et ux	45.0	257	05-11-9.9	Leonard L. Parsons, et ux	5.89
212	05-12-21	Omar Ririe, Est.	112.87	256	05-11-9.6	Southern County Farms, Inc	2.488
211	05-12-11	Wesley Bryan & Wesley Bryan II	52.478	255	05-11-9.5	Southern County Farms, Inc	2.559
210	05-11-14	Hilmar's Est. Family LTD L.P.	158.054	254	05-11-9.3	Joseph M. Haight & Steven Haight	18.3
209	05-12-4	Joseph J. Kramar, et ux	41.108	253	05-11-13	Joy D. Gerhart & Ahlin Gatta	12.29
208	05-12-3	Joseph J. Kramar, et ux	35.10	252	05-11-16.2	Joseph Haight	0.8
207	05-12-2	Joseph J. Kramar, et ux	35.0	251	05-11-8	Baptist Church	0.8
206	05-12-1	Marcus Sharp & David Schlaebach	121.0	250	05-11-7	Baptist Cemetery	1.0
205	05-12-2	John David Patrick et ux	5.0	249	05-11-16.3	Keegan Michael Haight - Life	2.252
204	05-12-8.1	Joseph J. Kramar, et ux	39.40	248	05-11-6	Robert & Rebecca Amick	1.29
203	05-12-14	John David Patrick et ux	25.0	247	05-11-5.3	Robert Harris Amick et ux	3.0
202	05-12-13	CNX Land Resources	11.0	246	05-11-2	(Part of 230) Kevin R. Cohey et ux	10.36
201	05-12-9	CNX Land Resources	81.98	245	05-11-2.1	James R. Anderson et ux	0.202

47-021-0209-MOD

David E. Jackson
P.S. 108



STATE: WV

COUNTY: Marshall

DISTRICT: Franklin

WELL #: Bryan N-12HU

OPERATOR'S WELL PLAT

REVISID DATE: 10/03/2019

DATE: 12/22/2019

PAGE 3 OF 3

TUG HILL OPERATING