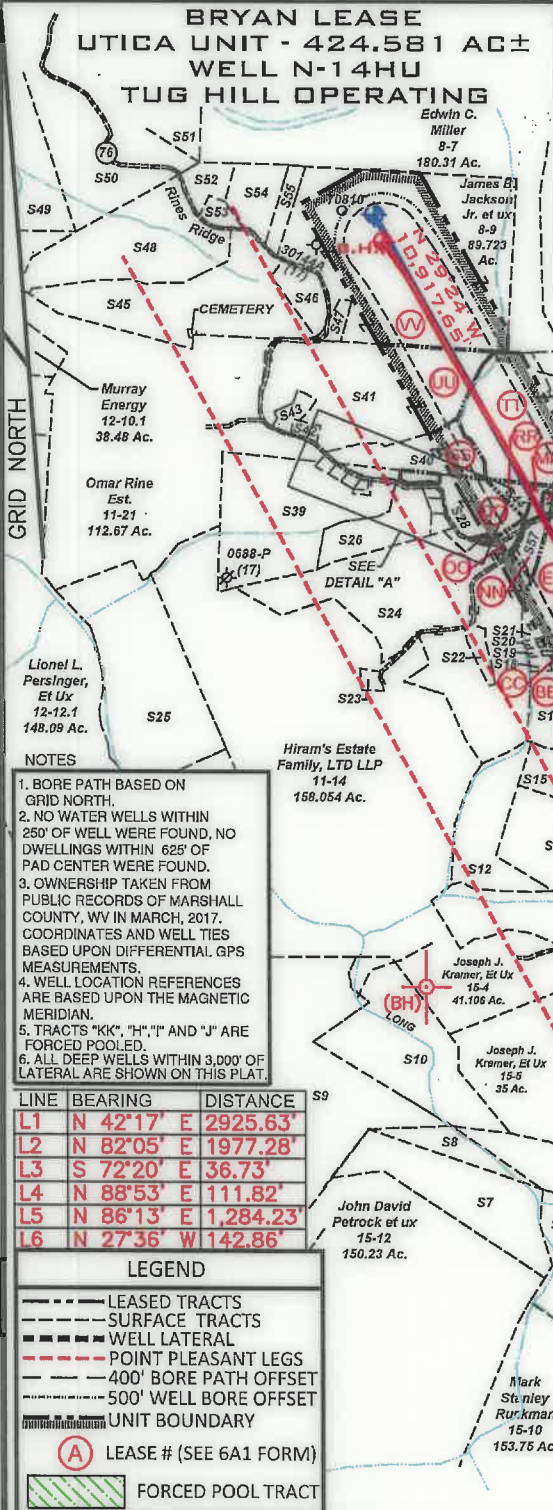
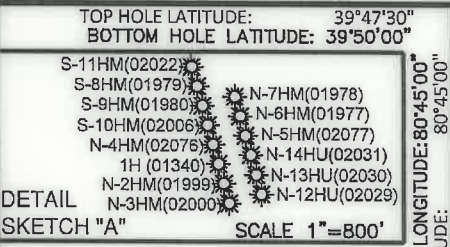
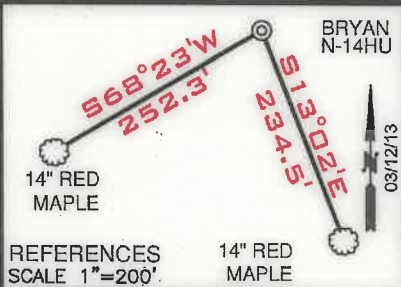


**BRYAN LEASE
UTICA UNIT - 424.581 AC±
WELL N-14HU
TUG HILL OPERATING**



- NOTES**
- 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 "KK", "H", "I" AND "J" ARE FORCED POOLED.
 - ALL DEEP WELLS WITHIN 3,000' OF LATERAL ARE SHOWN ON THIS PLAT.

LINE	BEARING	DISTANCE
L1	N 42°17' E	2925.63'
L2	N 82°05' E	1977.28'
L3	S 72°20' E	36.73'
L4	N 88°53' E	111.82'
L5	N 86°13' E	1,284.23'
L6	N 27°36' W	142.86'

LEGEND

- LEASED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- UNIT BOUNDARY
- LEASE # (SEE 6A1 FORM)
- FORCED POOL TRACT

NUMBER	CHORD DIRECTION	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 86°34' E	105.90'	105.76'	587.01'
C2	N 84°39' E	260.02'	259.95'	3241.25'
C3	N 80°34' E	514.54'	511.03'	1270.38'
C4	N 68°38' E	371.22'	364.40'	557.21'
C5	N 24°15' E	320.54'	313.47'	439.07'
C6	N 03°22' W	374.64'	372.89'	1118.13'
C7	N 21°48' W	185.13'	184.80'	902.62'

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,881.00
E) 519,137.48

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,283.95
E) 519,925.56

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,406,154.28
E) 518,244.11

FILE NUMBER _____

DRAWING NUMBER BRYAN_WP_N-14HU

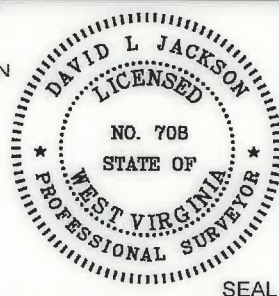
SCALE 1" = 2000'

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 1480
Clarksburg, WV 26302
304-623-5851

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

DATE: AUGUST 13, 2020

OPERATORS WELL NO. BRYAN N-14HU

API WELL NO. 47-051-02031

STATE COUNTY PERMIT

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

LOCATION ELEVATION 1191.5' 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

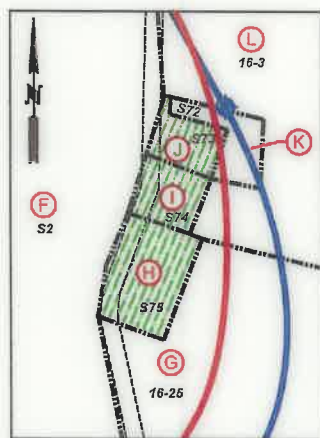
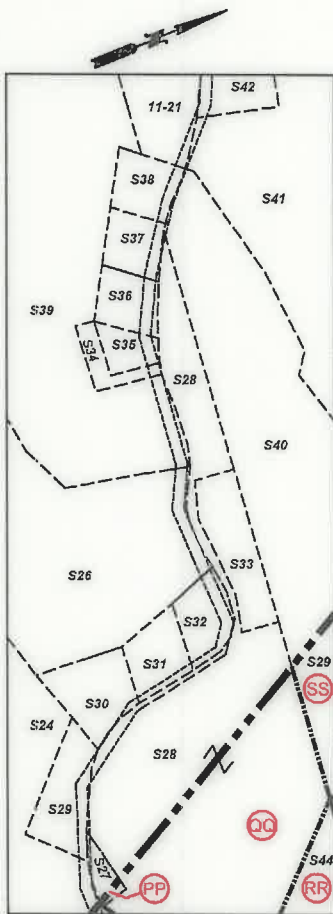
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) ASDRILLED

TARGET FORMATION Point Pleasant ESTIMATED DEPTH TVD: 11,050 TMD: 23,785

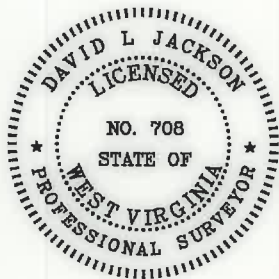
WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
1320 SOUTH UNIVERSITY DRIVE, SUITE 500 CT CORPORATION SYSTEM
ADDRESS FORT WORTH, TX 76107 ADDRESS 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

COUNTY NAME
PERMIT

**BRYAN LEASE
UTICA UNIT - 424.581 AC±
WELL N-14HU
TUG HILL OPERATING**



SURFACE HOLE UTM. NAD83, ZONE 17 IN METERS N) 4,402,880.82 E) 519,137.46
LANDING POINT 1 UTM. NAD83, ZONE 17 IN METERS N) 4,403,190.72 E) 519,976.13
BOTTOM HOLE UTM. NAD83, ZONE 17 IN METERS N) 4,406,234.82 E) 518,219.39



P.S. 708

David L Jackson

Number	TAX MAP -PARCEL	SURFACE OWNER	ACRES	
S1	A	15-9	CNX Land Resources, Inc.	81.98
S2	F	15-8	Terry D. Rose, et ux	77.1
S3		15-7	Terry D. Rose, et ux	4.5
S4		15-6.1	Joseph J. Kramar, et ux	39.40
S5		15-6	Joseph J. Kramar, et ux	42.5
S6		15-13	CNX Land Resources	11.0
S7		15-14	John David Petrock, et ux	25.0
S8		15-2	John David Petrock, et ux	5.0
S9		15-1	Marcus Sharp & David Schlabach	121.0
S10		15-3	Joseph J. Kramar, et ux	36.10
S11	P	11-12	Joseph J. Kramar, et ux	43.2188
S12		11-13	Joy D. Gartman & Arlin Gatts	12.29
S13	Q	11-11.3	Herman D. & Herman J. Lantz	43.96
S14	T	11-11.1	Nellie Marie & Robert W. Spencer	5.813
S15	V	11-11.4	Brad M. & Amanda J. Blake	15.193
S16	W	11-11	Brad M. & Amanda J. Blake	5.0
S17	X	11-9	Edwin C. & Kimberly A. Miller	41.773
S18	BB	11-9.9	Leonard L. Parsons, et ux	5.89
S19	CC	11-9.6	Southern Country Farms, Inc	2.488
S20	DD	11-9.5	Southern Country Farms, Inc	2.559
S21	EE	11-9.3	Joseph M. Haught & Steven Haught	16.3
S22		11-16.2	Joseph Haught	2.181
S23		11-14.1	Dennis F. Moore, et ux	1.056
S24	OO	11-16	Keith E. Haught, et al	83.674
S25		12-11	Wesley Bryan & Wesley Bryan II	52.478
S26		11-17.2	Brenda & Michael Bryan	11.504
S27	PP	11-5.1	James R. Anderson, et ux	0.205
S28	QQ	11-5	Kevin R. Corley, et ux	10.36
S29		11-16.1	Susan Smith, LE	0.876
S30		11-25	Owen Michael Barr	0.598
S31		11-23	Owen Michael Barr	0.845
S32		11-24	Charles Edward Furbee, et ux	0.603
S33		11-5.2	Rickey & Victoria Cross	1.0
S34		11-17.1	David Gray	0.297
S35		11-22	David Gray	0.353
S36		11-18	David E. Gray	0.569
S37		11-19	David E. Gray	0.532
S38		11-20	David E. Gray	0.569
S39		11-17	Kevin R. Corley, et ux	36.13
S40	SS	11-3	Kevin R. Corley, et al	13.18
S41	UU	11-2	Walter C. Cheryl A. Rine	42.367
S42		11-2.2	Joshua A. Myers	2.193
S43		11-2.1	Walter C. & Cheryl A. Rine	1.19
S44	RR	11-5.3	Robert Harris Arrick, et ux	3.0
S45		11-1.1	Larry W. Dunlap, et al	34.405
S46		11-1.2	Jay A. Conner, et ux	5.824
S47		8-9.1	Scott E. Jackson, Tammy S. South & Marion Jackson	1.957
S48		11-1.4	Larry W. Dunlap, et al	32.493
S49		7-39	Lionel L. Persinger, et ux	57.0
S50		7-33	William N. Roupe	24.60
S51		7-31	William N. Roupe	43.147
S52		11-1	William N. & Virginia A. Roupe	4.527
S53		11-1.6	Debra Morris	2.093
S54		11-1.7	William S. & Mary K. Adams	8.0
S55		11-1.5	Paul White	3.507
S56	TT	11-4	David H. Arrick, et ux	31.5
S57	NN	11-16.3	Kegan Michael Haught - Life	3.265
S58	MM	11-6	Robert & Rebecca Arrick	1.29
S59	LL	11-7	Baptist Cemetery	1.0
S60	KK	11-8	Baptist Church	0.8
S61	JJ	11-9	Edwin C. & Kimberly A. Miller	41.773
S62	II	11-9.10	John A. & Janet L. Beucke	2.348
S63	FF	11-9.2	Michael R. Bryan	3.143
S64	HH	11-9.8	Sean F. Moore	2.070
S65	GG	11-9.7	Sean F. Moore	2.026
S66	AA	11-9.1	Jack Shepard Huggins Jr., et al	10.92
S67	Y	11-9.4	Jack S. Huggins, et al	4.129
S68	R	11-11.2	Wesley R. Bryan & Wesley R. Bryan II	25.031
S69	S	10-16.4	Melvin E. Ferguson & Elizabeth Ferguson	30.87
S70	O	10-15.1	Donald T. Miller	2.095
S71	M	16-3.2	Jimmy Lee Ostrander Jr., Sheena Lynn Ostrander & Brody Ray Ostrander	1.435
S72	K	16-3.1	Dennis E. Jackson, et ux	0.27
S73	J		Cemetery - No Deed	
S74	I	16-2	Christian Church	0.19
S75	H	16-1	Christian Church	0.50
S76	D	16-23.1	Ray E. Minor, et ux	2.0
S77	C	16-23.4	Michael R. & Brenda K. Bryan	3.0
S78	E	16-23.3	Greg & Christina Riddle	1.0
S79		16-24	Alan M. Beyser, et ux	1.083
S80		16-23.2	Alan M. Beyser, et ux	1.726
S81	B	16-23	CNX Land Resources, Inc.	60.138

OPERATOR'S	
WELL #:	Bryan N-14HU
API #:	47-051-02031
DISTRICT:	Franklin
COUNTY:	Marshall
STATE:	WV

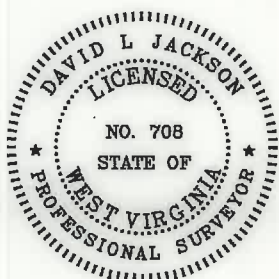
WELL PLAT
PAGE 2 OF 3
DATE: 08/13/2020



**TUG HILL
OPERATING**

**BRYAN LEASE
UTICA UNIT - 424.581 AC±
WELL N-14HU
TUG HILL OPERATING**

Lease No.	TAGS	PARCEL	OIL & GAS ROYALTY OWNER	DEED	PAGE
10*19294	A	5-15-9	BRENDA K BRYAN ET AL	666	289
10*19294	B	5-16-23	BRENDA K BRYAN ET AL	666	289
10*19294	C	5-16-23.4	BRENDA K BRYAN ET AL	666	289
10*19146	D	5-16-23.1	RAY E MINOR CATHY L MINOR	706	293
10*19144	E	5-16-23.3	GREG A RIDDLE CHRISTINA L RIDDLE	704	364
10*19340	F	5-15-8	DONNA V YOHO	665	407
10*21468	G	5-16-25	JOHN A SWIERKOS	772	21
10*21468	H	5-16-1	JOHN A SWIERKOS	772	21
***	H	5-16-1	CHURCH AND CEMETERY		
***	I	5-16-2	CHURCH AND CEMETERY		
***	J		CEMETERY-N ADJOIN TO 5-16-2		
10*21044	K	5-16-3.1	RITA COX	951	600
10*21043	K	5-16-3.1	BRENDA HOYLE	951	598
10*19473	K	5-16-3.1	DANIEL JACOB ALLMAN	942	567
10*19340	L	5-16-3	DONNA V YOHO	665	407
10*19340	M	5-16-3.2	DONNA V YOHO	665	407
10*19017	N	5-10-15	PAUL A RINE AND DEBRA A RINE	796	24
10*19223	O	5-10-15.1	DONALD T MILLER	737	284
10*19293	P	5-11-12	JOSEPH I. KRAMAR, SR. JO ANN KRAMAR	655	566
10*19336	Q	5-11-11.3	BONNIE JEAN DAWSON	665	397
10*19336	Q	5-11-11.3	BONNIE JEAN DAWSON	665	397
10*19336	R	5-11-11.2	BONNIE JEAN DAWSON	665	397
10*19109	S	5-10-16.4	HUSBAND AND WIFE	863	275
10*19141	T	5-11-11.1	SPENCER	706	468
10*19021	U	5-10-17	MARCELLUS TX MINERAL PARTNERS LTD	800	216
10*19034	U	5-10-17	JMK IRREVOCABLE TRUST	813	145
10*19035	U	5-10-17	PURPLEBURGH VENTURES, LLC	813	138
10*19336	V	5-11-11.4	BONNIE JEAN DAWSON	665	397
10*19336	W	5-11-11	BONNIE JEAN DAWSON	665	397
10*14099	X	5-11-9	SOUTHERN COUNTRY FARMS INC	666	489
10*19153	Y	5-11-9.4	JACK S HUGGINS JR	700	396
10*19021	Z	5-11-10	MARCELLUS TX MINERAL PARTNERS LTD	800	216
10*19034	Z	5-11-10	JMK IRREVOCABLE TRUST	813	145
10*19035	Z	5-11-10	PURPLEBURGH VENTURES, LLC	813	138
10*19153	AA	5-11-9.1	JACK S HUGGINS JR	700	396
10*19158	BB	5-11-9.9	LEONARD PARSONS CONNIE R PARSONS	705	125
10*14099	CC	5-11-9.6	SOUTHERN COUNTRY FARMS INC	666	489
10*14099	DD	5-11-9.5	SOUTHERN COUNTRY FARMS INC	666	489
10*18339	EE	5-11-9.3	RESOURCE MINERALS HEADWATER I, LP	940	448
10*18339	FF	5-11-9.2	RESOURCE MINERALS HEADWATER I, LP	940	448
10*14099	GG	5-11-9.7	SOUTHERN COUNTRY FARMS INC	666	489
10*19172	GG	5-11-9.7	SEAN F MOORE LUNDA MOORE	706	581
10*19172	HH	5-11-9.8	SEAN F MOORE LUNDA MOORE	706	581
10*18339	II	5-11-9.10	RESOURCE MINERALS HEADWATER I, LP	940	448
10*14099	JJ	5-11-9	SOUTHERN COUNTRY FARMS INC	666	489
***	KK	5-11-8	CHURCH		
10*19502	LL	5-11-7	SUSAN BLANCHE BEYSER	942	623
10*19893	LL	5-11-7	WINIFRED G AND EDDIE G TURNER	948	277
10*21041	LL	5-11-7	SHERY AND RANDEN RITCHEA	949	365
10*19221	MM	5-11-6	ROBERT H ARRICK REBECCA L ARRICK	737	240
10*19502	MM	5-11-6	SUSAN BLANCHE BEYSER	942	623
10*19893	MM	5-11-6	WINIFRED G AND EDDIE G TURNER	948	277
10*21041	MM	5-11-6	SHERY AND RANDEN RITCHEA	949	365
10*19139	NN	5-11-16.3	HIRAM V MOORE	699	53
10*19179	NN	5-11-16.3	KEITH HAUGHT BEVERLY HAUGHT	710	587
10*19139	OO	5-11-16	HIRAM V MOORE	699	53
10*19178	OO	5-11-16	JOSEPH HAUGHT	710	69
10*19179	OO	5-11-16	KEITH HAUGHT BEVERLY HAUGHT	710	587
10*19180	OO	5-11-16	STEVEN HAUGHT	710	67
***	PP	5-11-5.1	JAMES R AND MELODY A ANDERSON	812	31
10*19126	QQ	5-11-5	KEVIN R. CORLEY AND ANITA L. CORLEY, HUSBAND AND WIFE	859	47
10*19176	QQ	5-11-5	MAUNA MAXINE BEYSER	710	602
10*19177	QQ	5-11-5	NINA L KOVACS	710	594
10*19185	QQ	5-11-5	HARRIETT LODUTH FOLEY	710	598
10*19186	QQ	5-11-5	JOEL GLOVER	710	600
10*19189	QQ	5-11-5	SHERRY ANN MCPHERON	710	606
10*19190	QQ	5-11-5	SALLY LEE RIVERA	710	590
10*19191	QQ	5-11-5	SHARLA BETH WEAVER	710	608
10*19192	QQ	5-11-5	JAMES E YOHO	714	129
10*19201	QQ	5-11-5	DANIEL K YOHO	714	125
10*19202	QQ	5-11-5	DERORAH L WOOLEY	714	131
10*19203	QQ	5-11-5	CAROL M YOHO	713	205
10*19204	QQ	5-11-5	DAYNA MARLENE YOHO	714	127
10*19205	QQ	5-11-5	JEFFREY C YOHO	713	203
10*19251	QQ	5-11-5	RAE SUZETTE BAKER	748	315
10*19252	QQ	5-11-5	JOHN WILSON	749	522
10*19502	QQ	5-11-5	SUSAN BLANCHE BEYSER	942	623
10*19893	QQ	5-11-5	WINIFRED G AND EDDIE G TURNER	948	277
10*21041	QQ	5-11-5	SHERY AND RANDEN RITCHEA	949	365
10*19176	RR	5-11-5.3	MAUNA MAXINE BEYSER	710	602
10*19177	RR	5-11-5.3	NINA L KOVACS	710	594
10*19185	RR	5-11-5.3	HARRIETT LODUTH FOLEY	710	598
10*19186	RR	5-11-5.3	JOEL GLOVER	710	600
10*19189	RR	5-11-5.3	SHERRY ANN MCPHERON	710	606
10*19190	RR	5-11-5.3	SALLY LEE RIVERA	710	590
10*19191	RR	5-11-5.3	SHARLA BETH WEAVER	710	608
10*19192	RR	5-11-5.3	JAMES E YOHO	714	129
10*19201	RR	5-11-5.3	DANIEL K YOHO	714	125
10*19202	RR	5-11-5.3	DEBORAH L WOOLEY	714	131
10*19203	RR	5-11-5.3	CAROL M YOHO	713	205
10*19204	RR	5-11-5.3	DAYNA MARLENE YOHO	714	127
10*19205	RR	5-11-5.3	JEFFREY C YOHO	713	203
10*19221	RR	5-11-5.3	ROBERT H ARRICK REBECCA L ARRICK	737	240
10*19251	RR	5-11-5.3	RAE SUZETTE BAKER	748	315
10*19252	RR	5-11-5.3	JOHN WILSON	749	522
10*19502	RR	5-11-5.3	SUSAN BLANCHE BEYSER	942	623
10*19893	RR	5-11-5.3	WINIFRED G AND EDDIE G TURNER	948	277
10*21041	RR	5-11-5.3	SHERY AND RANDEN RITCHEA	949	365
10*18722	SS	5-11-3	HIRAM'S ESTATE FAMILY LIMITED LIABILITY LIMITED PARTNERSHIP	938	523
10*19126	SS	5-11-3	KEVIN R. CORLEY AND ANITA L. CORLEY, HUSBAND AND WIFE	859	47
10*19098	TT	5-11-4	DAVID H ARRICK LELAH M ARRICK	800	505
10*19127	UU	5-11-2	WALTER C. RINE AND CHERYL ANN RINE	859	49
10*47051.105.0	VV	5-8-9	JAMES B JACKSON JR AND MARION L JACKSON	859	478



David L Jackson

P.S.
708



**TUG HILL
OPERATING**

OPERATOR'S
WELL #: Bryan N-14HU
API #: 47-051-02031
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 3 OF 3
DATE: 08/13/2020