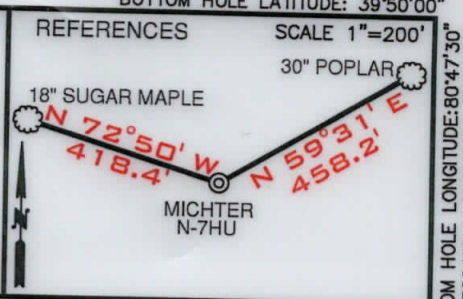


DETAIL SKETCH "A" SCALE 1"=200'

LINE	BEARING	DISTANCE
L1	N 72°11' W	805.51'
L2	N 79°04' E	1912.96'
L3	S 23°15' W	69.31'
L4	S 85°41' E	282.03'
L5	N 86°00' E	160.20'
L6	S 87°50' E	490.64'
L7	N 31°02' W	318.35'



- 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.
  5. ALL DEEP WELLS WITHIN 3,000' OF LATERAL ARE SHOWN ON PLAT.
  6. SS IS FORCED POOLED.

LEGEND

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

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 69°14' E	34.86'	41.20'	35.99'
C2	S 85°33' E	315.99'	1743.80'	316.43'
C3	N 54°04' E	58.12'	53.55'	61.44'
C4	N 02°35' E	119.92'	216.34'	121.51'
C5	N 16°02' W	181.61'	611.55'	182.28'
C6	N 28°51' W	229.11'	1562.10'	229.31'

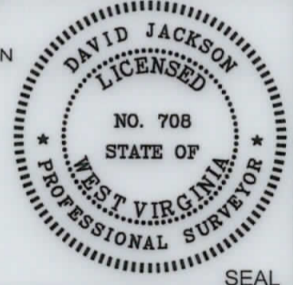
**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,405,909.78  
E) 517,325.01

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,406,119.71  
E) 517,619.92

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,408,271.59  
E) 516,087.83

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



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

DRAWING NUMBER MICHTER\_N-7HU\_REV1

SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION SUBMETER MAPPING  
GRADE GPS

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 X SHALLOW \_\_\_

LOCATION ELEVATION 1126.1' WATERSHED (HUC 10) FISH CREEK

DISTRICT FRANKLIN COUNTY MARSHALL

QUADRANGLE POWHATAN POINT 7.5' LEASE NUMBER \_\_\_\_\_ SEE WW-6A1 FORM

SURFACE OWNER LARRY W. DUNLAP, ET AL ACREAGE 34.405

OIL & GAS ROYALTY OWNER LARRY W. DUNLAP, ET AL LEASE ACREAGE 555.9436

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: 10,790' TMD: 20,235'

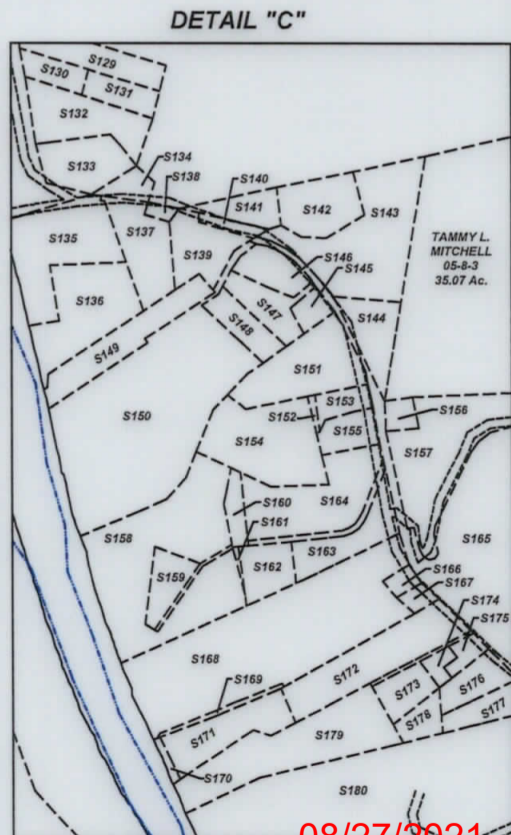
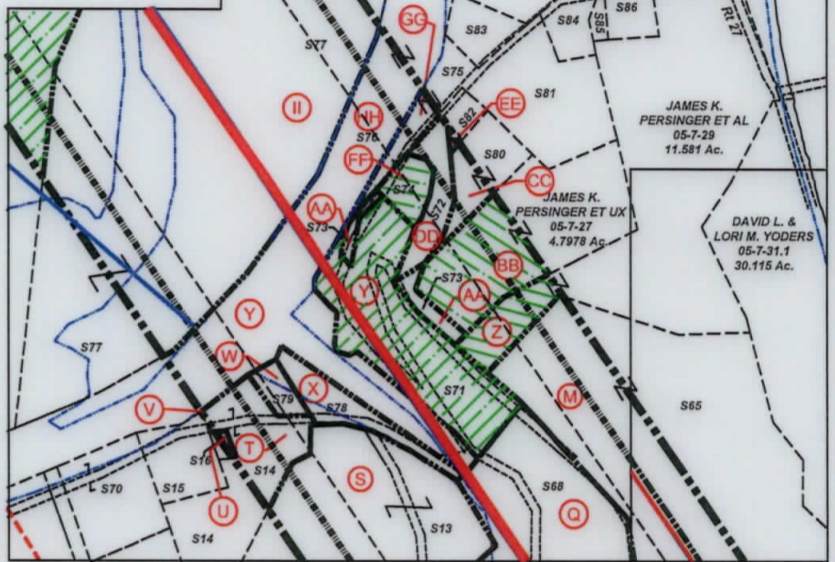
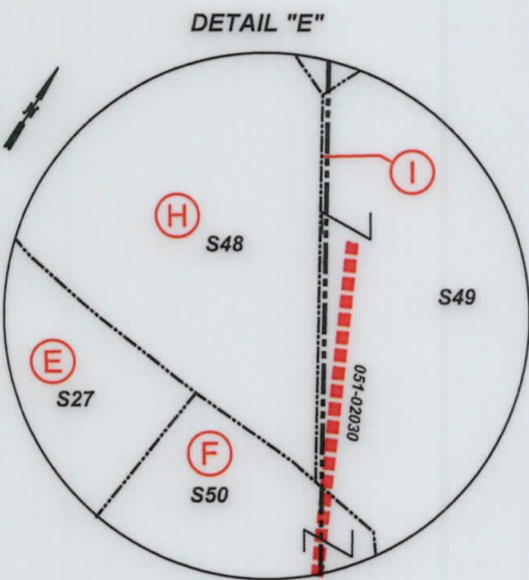
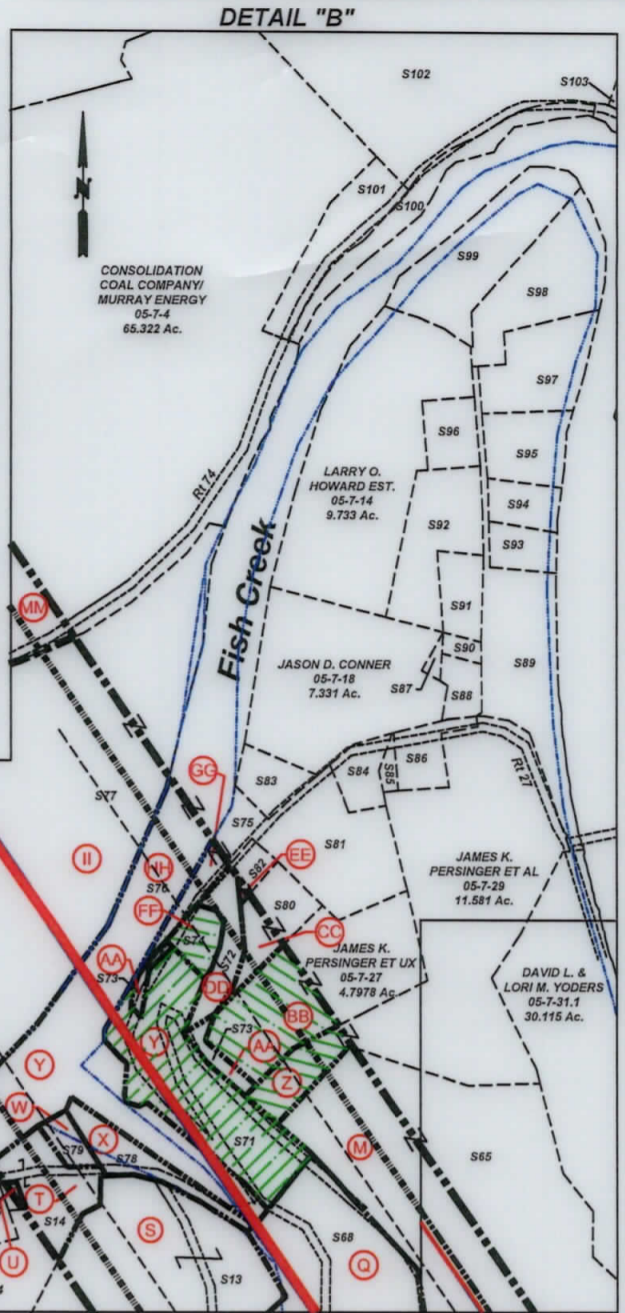
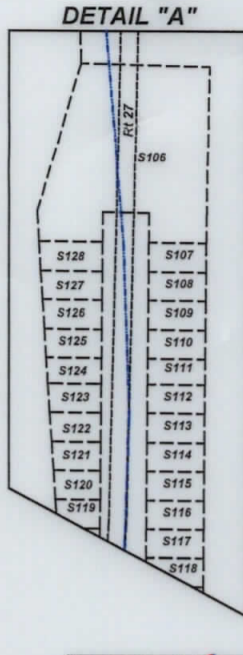
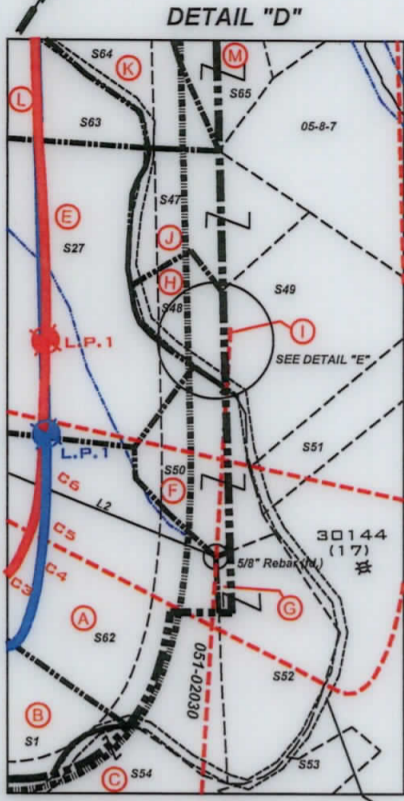
WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER  
CT CORPORATION SYSTEM

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

08/27/2021

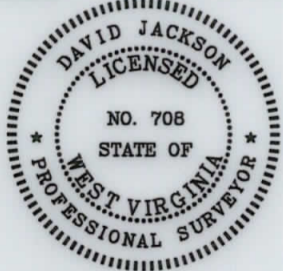
COUNTY NAME  
PERMIT

PG 2 OF 6 MICTHER LEASE  
WELL N-7HU  
346.0690± ACRES



<b>SURFACE HOLE</b>
UTM. NAD83, ZONE 17 IN METERS
N) 4,405,909.84
E) 517,325.03
<b>LANDING POINT 1</b>
UTM. NAD83, ZONE 17 IN METERS
N) 4,406,037.73
E) 517,675.40
<b>BOTTOM HOLE</b>
UTM. NAD83, ZONE 17 IN METERS
N) 4,408,272.76
E) 516,100.29

FORCED POOLED TRACTS



P.S. 708 *David L Jackson*

08/27/2021



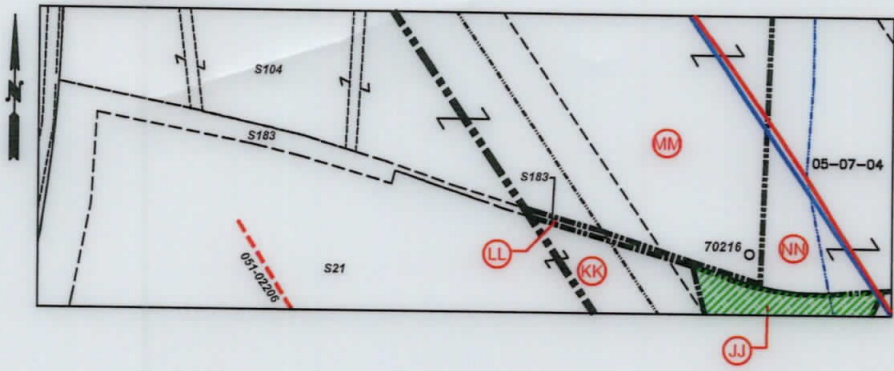
**TUG HILL**  
OPERATING

OPERATOR'S  
 WELL #: Michter N-7HU  
 DISTRICT: Franklin  
 COUNTY: Marshall  
 STATE: WV  
 API#: 47-051-02207

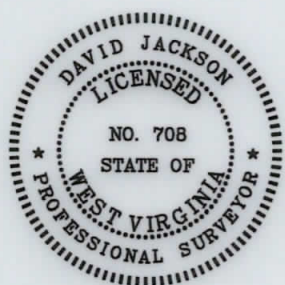
WELL PLAT  
 PAGE 2 OF 6  
 DATE: 04/22/2021

PG 3 OF 6  
**MICHTER LEASE**  
**WELL N-7HU**  
**346.0690± ACRES**

DETAIL "F"



Number	TAX MAP -PARCEL	SURFACE OWNER	ACRES
S1	B 05-11-21	Karen Reed, et al	112.67
S2	05-12-10	Consolidation Coal Company/ Murray Energy c/o Land Dept	13.76
S3	D 05-12-10.1	Consolidation Coal Company/ Murray Energy	38.48
S4	05-07-42.4	Lionel & Mary Lee Persinger	0.94
S5	05-07-42.3	Joshua David Hartley	0.886
S6	05-07-42.2	Steven & Rhonda Lloyd	0.85
S7	05-07-44	Crystal B. Darrah	1.726
S8	05-07-42	Tracy M. Kesterson	0.54
S9	05-07-42.5	Matthew V. Conner, et al	3.791
S10	05-07-41	James A. Wade	1.00
S11	05-12-09	Lionel & Mary Lee Persinger	10.15
S12	05-07-42.1	Lionel L. & Mary Lee Persinger	5.99
S13	S 05-07-35	Samuel L. Persinger	10.708
S14	T 05-07-36	John Persinger	4.329
S15	V 05-07-38	John K. Persinger, et ux	2.65
S16	U 05-07-37	John K. Persinger, et ux	0.133
S17	05-07-43.3	M. Frank Mason	0.327
S18	05-7B-48	Cassidy Rain Carpenter	1.325
S19	05-7B-49	Cassidy Rain Carpenter	1.1441
S20	JJ 05-07-3.3	WV Economic Development Authority	65.2077
S21	KK 05-07-3.4	WV Economic Development Authority	56.3496
S22	05-07-01	U.S. of America	50.0
S23	05-07-3.5	Wheeling Power Company	1.5004
S24	05-07-3.1	Ohio Power Company	28.9966
S25	05-06-10	Ohio Power Company	241.858
S26	05-06-16	Appalacian Power CP	0.061
S27	E 05-11-1.4	Larry Dunlap, et al	32.493
S28	05-06-18	CII Carbon, LLC	0.2754
S29	05-06-12	CII Carbon, LLC	0.43458
S30	05-06-09	CII Carbon, LLC	1.15
S31	05-06-13	CII Carbon, LLC	0.318
S32	05-06-14	CII Carbon, LLC	1.408
S33	05-06-7	CII Carbon, LLC	12.454
S34	05-06-11	Consolidation Coal Company/ Murray Energy	1.05
S35	05-06-08	CII Carbon, LLC	2.727
S36	05-06-15	CII Carbon, LLC	2.522
S37	05-06-01	Consolidation Coal Company/ Murray Energy	7.99
S38	05-06-06	Consolidation Coal Company/ Murray Energy	18.50
S39	QQ 05-06-05	Consolidation Coal Company/ Murray Energy	17.159
S40	05-06-04	Consolidation Coal Company/ Murray Energy	5.47
S41	05-07-09	Norman Thomas Jackson et al	0.25
S42	05-8A-02	Graysville Cemetery Association	1.76
S43	05-8A-01	Calvary M.E. Church	2.0
S44	05-8A-03	Calvary M.E. Church	0.259
S45	05-08-23	Robert L. Shields & Donald L. Shields Cemetery	0.3
S46	P/O 05-08-4		
S47	J 05-11-01	William N. & Virginia A. Roupe	4.527
S48	H 05-11-1.6	Debra Morris	2.093
S49	I 05-11-1.7	William S. & Mary K. Adams	8.00
S50	F 05-11-1.3	Jay A. Conner, et ux	4.256
S51	05-11-1.5	Paul & Sandy Witt	3.507
S52	G 05-11-1.2	Jay A. Conner, et ux	5.824
S53	05-08-9.1	Scott E. Jackson, Tammy S. South & Marion Jackson	1.957
S54	C 05-11-02	Walter C. & Cheryl A. Rine	42.36
S55	05-11-2.2	Joshua Myers	2.193
S56	05-11-2.1	Walter C. & Cheryl A. Rine	1.19
S57	05-11-20	David E. Gray	0.69
S58	05-11-19	David E. Gray	0.532
S59	05-11-03	Kevin R. Corley, et ux	13.18
S60	05-11-17	Kevin R. Corley, et ux	36.13
S61	05-11-14	Hiram's Estate Family, LTD LLP	158.054
S62	A 05-11-1.1	Larry W. Dunlap, et al	34.405
S63	L 05-07-33	William N. Roupe	24.60
S64	K 05-07-32	William N. & Virginia A. Roupe	2.3



P.S. 708 *David L Jackson*

08/27/2021



**TUG HILL**  
**OPERATING**

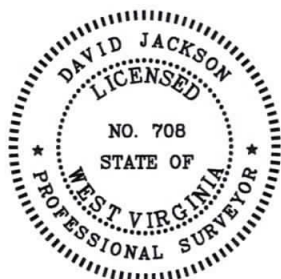
OPERATOR'S  
 WELL #: Michter N-7HU  
 DISTRICT: Franklin  
 COUNTY: Marshall  
 STATE: WV  
 API#: 47-051-02207

WELL PLAT  
 PAGE 3 OF 6  
 DATE: 04/22/2021

PG 4 OF 6 **MICHTER LEASE**  
**WELL N-7HU**  
**346.0690± ACRES**

Number	TAX MAP -PARCEL	SURFACE OWNER	ACRES
S65	M 05-07-31	William N. Roupe, et ux	43.147
S66	N 05-07-31.4	Grandview-Doolen PSD	0.23
S67	O 05-07-31.2	William N. Roupe, et ux	3.304
S68	Q 05-07-34	WV DOH	10.88
S69	P 05-07-31.3	William N. & Virginia A. Roupe	0.230
S70	05-07-43.2	M. Frank Mason	1.36
S71	Y 05-07-26	James A. Wade	7.80
S72	DD 05-07-23.1	WV DOH	2.37
S73	AA 05-07-25	WV DOH	0.50
S74	FF 05-07-24	James A. Wade	0.578
S75	GG 05-07-45	Robert L. Henry (Life) & Jeffrey S. Henry	0.65
S76	HH Fish Creek	State of WV	8.97 Calc.
S77	II 05-07-3.2	Ohio Power Company	45.5348
S78	X 05-07-35.1	Lionel L. & Mary Lee Persinger	0.812
S79	W 05-07-36.1	Lionel L. & Mary Lee Persinger	0.5579
S80	CC 05-07-23	Arle E. Powell	1.435
S81	05-07-27.1	Mark L. Riter, et ux	3.427
S82	EE 05-07-23.2	Robert L. Henry (Life) & Jeffrey S. Henry	0.256
S83	05-07-21	Aaron S. Meyer	1.775
S84	05-07-22	Jesus & Mary Bustamante	0.782
S85	05-07-28.1	Jesus & Mary Bustamante	0.200
S86	05-07-28	Thelma M. Roupe	0.940
S87	05-07-18.1	Debra L. Bennett	0.13
S88	05-07-17	Debra L. Bennett	0.614
S89	05-07-15	William Roupe, et ux	6.631
S90	05-07-16	Debra L. Bennett	0.235
S91	05-07-14.2	Robert L. Eyley, Sr. & Jessica L. Bennett	0.998
S92	05-07-14.3	Steven H. Howard	2.669
S93	05-07-15.1	Woodland Hills Recreation Club	1.016
S94	05-07-13	Woodland Hills Recreation Club	1.109
S95	05-07-12	Carol A. & Shelva G. Smith	2.01
S96	05-07-14.1	Larry O. Howard, Est.	1.00
S97	05-07-11	Roy S. & Cynthia M. Meadows	2.90
S98	05-07-10.1	Sandra Kay Beymer & Chad M. Wright	4.237
S99	05-07-10	Darren Edward Thacker	4.737
S100	05-07-5.1	George A. Knuth	2.95
S101	05-07-05	CNX Gas Company, LLC	1.407
S102	05-07-06	CNX Gas Company, LLC	21.171
S103	05-07-07	Consolidation Coal Company/ Murray Energy	1.00
S104	MM 05-07-02	Consolidation Coal Company/ Murray Energy	46.46
S105	PP 05-06-03	Ohio Power Co.	281.046

Number	TAX MAP -PARCEL	SURFACE OWNER	ACRES
S106	05-7B-01	Patricia L. Robinson	1.257
S107	05-7B-47	Daniel D. Robinson, et ux	0.1148
S108	05-7B-46	Daniel D. Robinson, et ux	0.1148
S109	05-7B-45	Daniel D. & Mary E. Robinson	0.1148
S110	05-7B-44	Daniel D. & Mary E. Robinson	0.1148
S111	05-7B-43	Teresa & Thomas Gouldsberry	0.1148
S112	05-7B-42	Teresa & Thomas Gouldsberry	0.1194
S113	05-7B-41	Teresa & Thomas Gouldsberry	0.1148
S114	05-7B-40	Teresa & Thomas Gouldsberry	0.1148
S115	05-7B-39	Teresa & Thomas Gouldsberry	0.1148
S116	05-7B-38	Teresa & Thomas Gouldsberry	0.1148
S117	05-7B-37	Teresa & Thomas Gouldsberry	0.1148
S118	05-7B-36	Albert J. Anderson, Jr.	0.1148
S119	05-7B-11	Teresa & Thomas Gouldsberry	0.1159
S120	05-7B-10	Teresa & Thomas Gouldsberry	0.1199
S121	05-7B-09	Teresa & Thomas Gouldsberry	0.1240
S122	05-7B-08	Teresa & Thomas Gouldsberry	0.1286
S123	05-7B-07	Teresa & Thomas Gouldsberry	0.1331
S124	05-7B-06	Teresa & Thomas Gouldsberry	0.1377
S125	05-7B-05	Daniel D. & Mary E. Robinson	0.1418
S126	05-7B-04	Daniel D. & Mary E. Robinson	0.1458
S127	05-7B-03	Daniel D. Robinson, et ux	0.1504
S128	05-7B-02	Daniel D. Robinson, et ux	0.1550
S129	05-8A-04	Cheryl A. & Tammie D. Persinger	1.07
S130	05-8A-05	Cheryl A. & Tammie D. Persinger	0.50
S131	05-8A-06	Cheryl A. & Tammie D. Persinger	0.48
S132	05-8A-07	Anne C. Klem	1.40
S133	05-8A-08	John Joseph Goudy	1.0
S134	05-8A-09	Kevin W. Wallace	0.323
S135	05-8A-15	Kevin R. Morris	2.06
S136	05-8A-16	John David Fromhart	2.0
S137	05-8A-17	Isaac Luke Vanscyoc	1.44
S138	05-8A-55	H. G. Energy II Appalachia, LLC	0.10
S139	05-8A-19	Mary Catherine Brooks	1.0
S140	05-8A-20	Milton Christopher White	0.19
S141	05-8A-11	Gloria Jean White & Milton Christopher White	0.19
S142	05-8A-12	Mary D. Ruckman	1.137
S143	05-8A-13	Matthew Ruckman	2.993
S144	05-8A-14	Board of Education	0.86
S145	05-8A-25	Whitney Woods	0.29
S146	05-8A-22	Whitney Woods	0.715
S147	05-8A-23	Danny Lee & Leona May Darrah	0.738
S148	05-8A-24	Clarence Paul Siburt, Hrs	0.653
S149	05-8A-26	Albert James Anderson, Jr.	1.605
S150	05-8A-27	Mary J. Siburt	8.296
S151	05-8A-28	Norman G. Johnson-Life	2.0
S152	05-8A-30	Randall Keith Keener, et ux	0.059
S153	05-8A-29	Catherine P. Rine	0.394
S154	05-8A-31	Randall K. Keener, et ux	2.346
S155	05-8A-32	Jonathan David Bopp	0.580
S156	05-8A-34	Norman G. Johnson, et ux	0.255
S157	05-8A-35	Jared C. Sills	2.780
S158	05-8A-39	Barbara L. Daniels & Elaine Wills	3.223
S159	05-8A-40	Barbara L. Daniels & Elaine Wills	0.627
S160	05-8A-38	William J. Gamble, et ux	0.35
S161	05-8A-41	William J. Gamble, et ux	0.046
S162	05-8A-37	William J. Gamble, et ux	0.706
S163	05-8A-36	William J. Gamble, et ux	1.031
S164	05-8A-33	Elaine Wills & Jeffrey D. Brooks	2.517
S165	05-8-04	C. Wayne Berisford	23.355
S166	05-8A-43	Charles G. Stein & Eva A. Wade	0.17
S167	05-8A-44	Charles G. Stein & Eva A. Wade	0.18
S168	05-8A-42	Robert M. White	7.23
S169	05-8A-49	Raymond A. Jr. & Larriette Scott	0.159
S170	05-8A-45	Raymond A. Jr. & Larriette Scott	0.305
S171	05-8A-46	Barbara L. Rose & Mary L. Rose	1.5
S172	05-8A-48	Raymond A. Jr. & Larriette Scott	2.12
S173	05-8A-52	Barbara L. Rose & Mary L. Rose	0.59
S174	05-8A-51	Lucretia M. Harrison	0.210
S175	05-8A-50	Lucretia M. Harrison	0.277
S176	05-8A-54	David D. & Christine S. Daniels	0.68
S177	05-8A-54.1	David D. & Christine S. Daniels	0.69
S178	05-8A-53	Frances E. Nieman	0.422
S179	05-8A-47	Barbara L. Rose & Mary L. Rose	3.0
S180	05-8A-4.1	Frances E. Nieman	33.461
S181	R 05-07-39	Lionel L. Persinger, et ux	57.00
S182	05-08-02	Consolidation Coal Company/ Murray Energy	136.587
S183	LL 05-07-03	Consolidation Coal Company/ Murray Energy	12.2641



P.S. 708

*David L Jackson*

08/27/2021



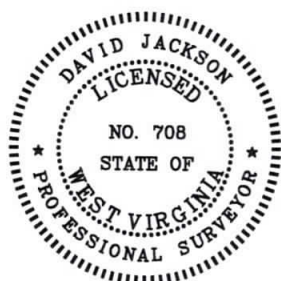
**TUG HILL**  
**OPERATING**

OPERATOR'S  
WELL #: Michter N-7HU  
DISTRICT: Franklin  
COUNTY: Marshall  
STATE: WV  
API#: 47-051-02207

**WELL PLAT**  
**PAGE 4 OF 6**  
**DATE: 04/22/2021**

PG 6 OF 6  
**MICHTER LEASE**  
**WELL N-7HU**  
**346.0690± ACRES**

Lease ID	Tag	Parcel	Grantor, Lessor, Etc.	Deed Book/Page	
10*23941	X	5-7-35.1	MARY BETH PERSINGER CHAPLIN	1019	475
10*23946	X	5-7-35.1	SAMUEL PERSINGER	1020	355
N/A	Y	5-7-26	JAMES A WADE SR	707	371
N/A	Z	5-7-29	JAMES K PERSINGER AND TONDA J PERSINGER	711	359
Q091664000	AA	5-7-25	JOSEPH H JACKSON JR AND CAROLYN JACKSON	860	526
N/A	BB	5-7-27	JAMES K PERSINGER AND TONDA J PERSINGER	711	359
Q096159000	CC	5-7-23	MARTHA F POWELL	881	21
Q091953000	DD	5-7-23.1	PATRICIA Y DARRAH	860	552
Q097423000	EE	5-7-23.2	ROBERT L HENRY JR AND GEORGEANNA HENRY ET AL	890	613
N/A	FF	5-7-24	JAMES A WADE SR	707	371
Q097423000	GG	5-7-45	ROBERT L HENRY JR AND GEORGEANNA HENRY ET AL	890	613
Q091960000	HH	FISH CREEK - ST OF WV	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	865	558
Q083442000	II	5-7-3.2	AEP GENERATION RESOURCES INC ET AL	829	157
N/A	JJ	5-7-3.3	WEST VIRGINIA ECONOMIC DEVELOPMENT AUTHORITY	656	423
N/A	JJ	5-7-3.3	CERTAINTED GYPSUM WEST VIRGINIA, INC.	660	140
624061	KK	5-7-3.4	LOUCKS, CHARLES H; KEISTER, FENTON O, JR, ET AL	273	326
624074	LL	5-7-2	GATTS, ALICE	282	394
624083	MM	5-7-4	GATTS, LLOYD Q & MARY WOLFE	290	94
Q074011007	NN	5-6-3.1	SUSAN WITTEN NEAL MYERS ET AL	815	375
Q074011008	NN	5-6-3.1	JANE WITTEN VOTH	853	306
Q074011003	NN	5-6-3.1	JOSEPH MOORE NEAL	859	512
Q074011006	NN	5-6-3.1	FRANCES GALE NEAL	851	218
Q074011005	NN	5-6-3.1	ANN ALEXANDER	853	310
Q074011013	NN	5-6-3.1	MARY WITTEN NEAL WISEMAN	851	216
624074	NN	5-6-3.1	GATTS, ALICE	282	394
624080	NN	5-6-3.1	GATTS, ELIZABETH RJ & HARLEY	290	97
624083	NN	5-6-3.1	GATTS, LLOYD Q & MARY WOLFE	290	94
624150	NN	5-6-3.1	RINE, G W & BESSIE J	313	200
Q074011002	NN	5-6-3.1	DOROTHY ANN NEAL	851	396
Q074011004	NN	5-6-3.1	MARGERY J. WITTEN	851	398
624074	OO	5-6-3	GATTS, ALICE	282	394
624080	OO	5-6-3	GATTS, ELIZABETH RJ & HARLEY	290	97
624083	OO	5-6-3	GATTS, LLOYD Q & MARY WOLFE	290	94
624150	OO	5-6-3	RINE, G W & BESSIE J	313	200
Q074011007	OO	5-6-3	SUSAN WITTEN NEAL MYERS ET AL	815	375
Q074011008	OO	5-6-3	JANE WITTEN VOTH	853	306
Q074011003	OO	5-6-3	JOSEPH MOORE NEAL	859	512
Q074011006	OO	5-6-3	FRANCES GALE NEAL	851	218
Q074011005	OO	5-6-3	ANN ALEXANDER	853	310
Q074011013	OO	5-6-3	MARY WITTEN NEAL WISEMAN	851	216
Q074011002	OO	5-6-3	DOROTHY ANN NEAL	851	396
Q074011004	OO	5-6-3	MARGERY J. WITTEN	851	398
624080	PP	5-6-5	GATTS, ELIZABETH RJ & HARLEY	290	97



P.S.  
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*David L Jackson*

08/27/2021



**TUG HILL**  
**OPERATING**

OPERATOR'S  
 WELL #: Michter N-7HU  
 DISTRICT: Franklin  
 COUNTY: Marshall  
 STATE: WV  
 API#: 47-051-02207

**WELL PLAT**  
**PAGE 6 OF 6**  
**DATE: 04/22/2021**