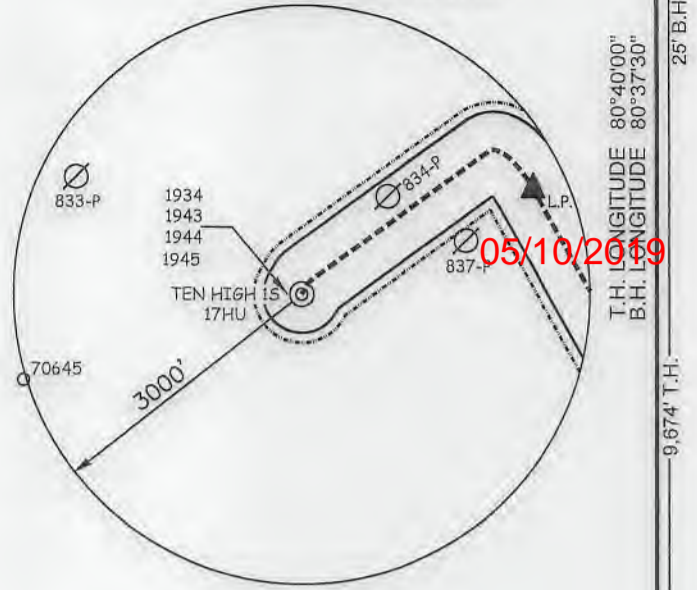


**TEN HIGH 1S LEASE
UTICA UNIT - 295.39 AC±
WELL 17HU
TUG HILL OPERATING**

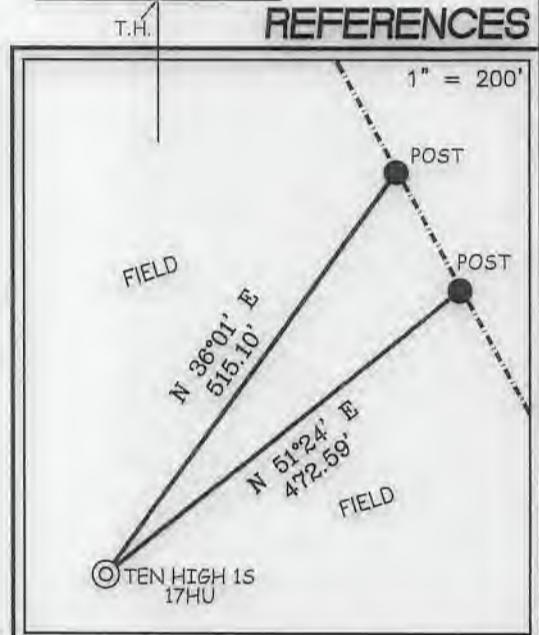
9,443' B.H. 3,981' T.H.

T.H. LATITUDE 39°50'00"
B.H. LATITUDE 39°47'30"



(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 478,149.83	E. 1,636,770.22
NAD'83 GEO.	LAT-(N) 39.806778	LONG-(W) 80.680837
NAD'83 UTM (M)	N. 4,406,360.53	E. 527,320.34
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 479,244.3	E. 1,639,176.5
NAD'83 GEO.	LAT-(N) 39.809869	LONG-(W) 80.672323
NAD'83 UTM (M)	N. 4,406,706.2	E. 528,047.9
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 472,540.4	E. 1,642,943.5
NAD'83 GEO.	LAT-(N) 39.791600	LONG-(W) 80.658607
NAD'83 UTM (M)	N. 4,404,683.0	E. 529,229.6

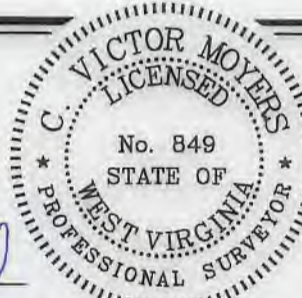


NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
2. WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE AUGUST 29, 20 17
 REVISED 01-15-2018, 02-15-2019
 OPERATORS WELL NO. TEN HIGH 1S-17HU
 API WELL NO. 47-051-02033 MOD
 STATE COUNTY PERMIT

P.S. 849 *C. Victor Moyers*

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8655P17HUR3.dwg
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

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

LOCATION: GROUND = 1,322.30' ELEVATION PROPOSED = 1,310.06' WATERSHED MIDDLE BOWMAN RUN OF FISH CREEK (HUC 10)
 DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER LAWRENCE & SHIRLEY CONKLE ESTS ACREAGE 139.79±
 ROYALTY OWNER ANDY PAUL & JACKIE KUHN, ET AL - SEE ADDITIONAL SHEETS ACREAGE 139.79±

PROPOSED WORK: LEASE NO. SEE ADDITIONAL SHEETS
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION POINT PLEASANT
 ESTIMATED DEPTH TVD: 11,878' / TMD: 20,138'

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

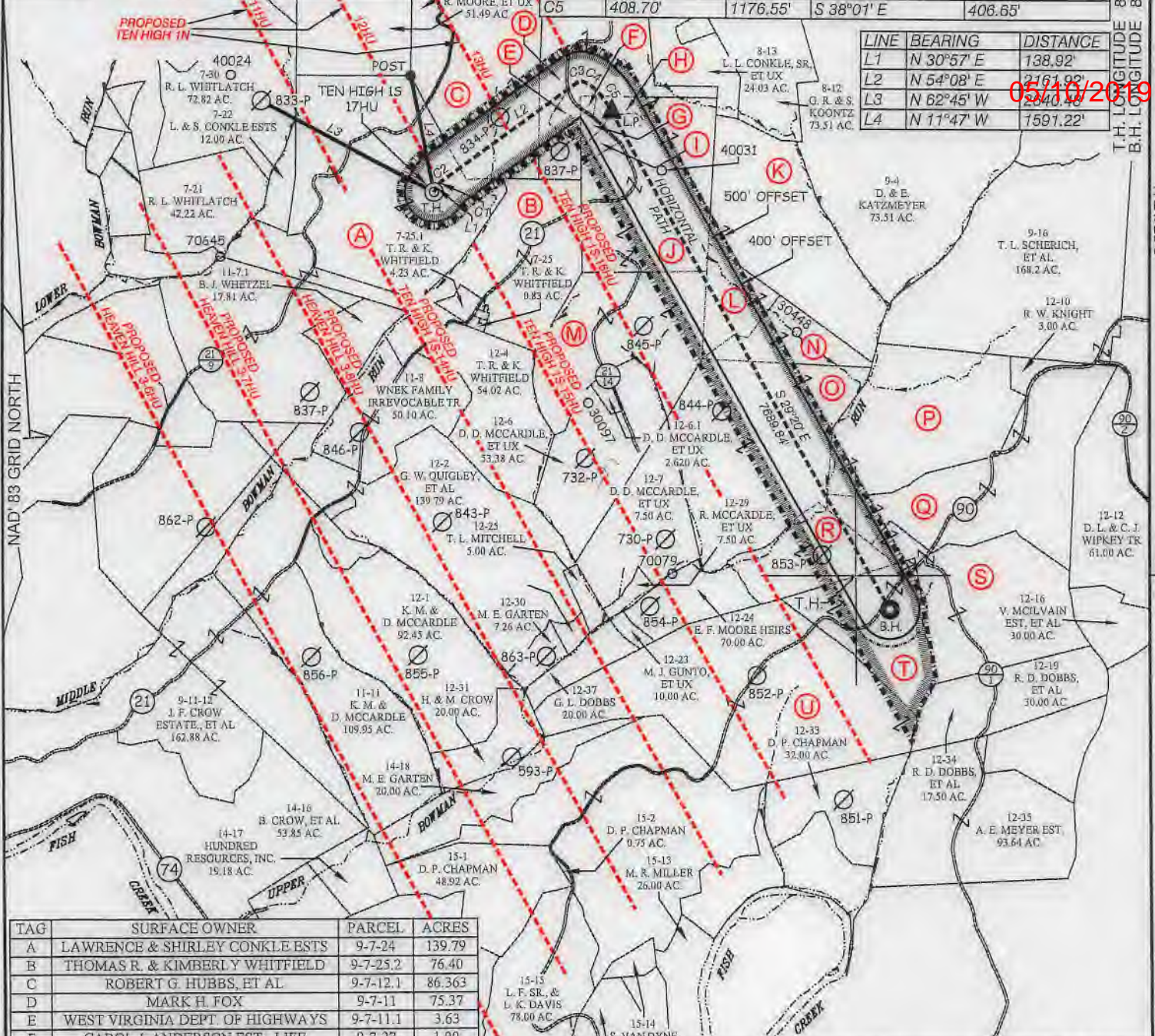
COUNTY NAME
 PERMIT

**TEN HIGH 1S LEASE
UTICA UNIT - 295.39 AC ±
WELL 17HU
TUG HILL OPERATING**

T.H. LATITUDE 39°50'00"
B.H. LATITUDE 39°47'30"

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	19.84'	105.32'	N 44°08' E	19.81'
C2	137.59'	1848.13'	N 52°50' E	137.56'
C3	80.93'	96.99'	N 84°24' E	78.61'
C4	152.21'	367.23'	S 59°52' E	151.12'
C5	408.70'	1176.55'	S 38°01' E	406.65'

LINE	BEARING	DISTANCE
L1	N 30°57' E	138.92'
L2	N 54°08' E	2161.92'
L3	N 62°45' W	2040.48'
L4	N 11°47' W	1591.22'



TAG	SURFACE OWNER	PARCEL	ACRES
A	LAWRENCE & SHIRLEY CONKLE ESTS	9-7-24	139.79
B	THOMAS R. & KIMBERLY WHITFIELD	9-7-25,2	76.40
C	ROBERT G. HUBBS, ET AL	9-7-12,1	86.363
D	MARK H. FOX	9-7-11	75.37
E	WEST VIRGINIA DEPT. OF HIGHWAYS	9-7-11,1	3.63
F	CAROL J. ANDERSON EST - LIFE	9-7-27	1.00
G	VICTOR & CLAIRE CAMERON	9-7-28	1.983
H	CAROL J. ANDERSON EST - LIFE	9-7-29,1	5.004
I	NATHAN WILLIAMS	9-7-28,1	2.768
J	CAROL J. ANDERSON EST - LIFE	9-7-29	85.540
K	CONSOLIDATION COAL COMPANY	9-9-3	84.50
L	DONALD DALE MCCARDLE, ET UX	9-9-2	21.11

TAG	SURFACE OWNER	PARCEL	ACRES
M	DONALD DALE MCCARDLE, ET UX	9-12-5	75.28
N	DONALD DALE MCCARDLE, ET UX	9-9-1	20.89
O	DONALD DALE MCCARDLE, ET UX	9-12-8	117.85
P	CHARLES WILLIAM DOBBS, ET AL	9-12-9	82.26
Q	WARREN B. CHAMBERS, ET UX	9-12-11	91.00
R	OLIVER CROW	9-12-22	38.58
S	RONALD EUGENE DOBBS, ET UX	9-12-20	91.00
T	DAVID P. CHAPMAN	9-12-21	50.00
U	DAVID P. CHAPMAN	9-12-32	150.00

SLS
Land & Energy Development
Solutions from the ground up.
P.O. Box 150 • 12 Vanhorn Drive • Glenview, WV 26035 • (204) 462-5634
www.slsurveyors.com

47-051-02033 H6A

P.S. 849 *C. Victor Moyers*

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 478,149.83 E. 1,636,770.22
 NAD'83 GEO. LAT.(N) 39.808778 LONG.(W) 80.680837
 NAD'83 UTM (M) N. 4,406,360.53 E. 527,320.34
LANDING POINT
 NAD'83 S.P.C.(FT) N. 479,244.3 E. 1,639,176.5
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 NAD'83 UTM (M) N. 4,406,706.2 E. 528,047.9
EOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 472,540.4 E. 1,842,943.5
 NAD'83 GEO. LAT.(N) 39.791600 LONG.(W) 80.658607
 NAD'83 UTM (M) N. 4,404,683.0 E. 529,229.6



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

LEGEND

- UNIT BOUNDARY
- LEASED TRACTS INSIDE UNIT BOUNDARY
- SURFACE LINE
- DEED WELL LATERAL WITHIN 3000'
- WELL LATERAL
- 400' OFFSET LINE
- 500' OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- SURFACE OWNER (SEE TABLE-SHEET 1)
- LEASE # (SEE ADDITIONAL SHEETS)

SCALE 1" = 2000' FILE NO. 8655P17HUR3.dwg
 DATE AUGUST 29, 20 17
 REVISED 01-15-2018, 02-15-2019
 OPERATORS WELL NO. TEN HIGH 1S-17HU
 API WELL NO. 47-051-02033 H6A
 NO. STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

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

TEN HIGH 1S LEASE
 UTICA UNIT - 295.39 AC ±
 WELL 17HU
 TUG HILL OPERATING



05/10/2019

No.	Lease Name or No.	Tag	Parcel	Oil & Gas Royalty Owners	Deed Book/Page
1	10*15662	A	9-7-24	LARRY LEE CONKLE	863 354
2	10*15663	A	9-7-24	ROY A CONKLE SR	863 311
3	10*15664	A	9-7-24	THERESA ANNE HUGHES	863 343
4	10*15666	A	9-7-24	BRENDA I WHETZEL	863 635
5	10*16049	A	9-7-24	DANNY SHAWN KERNS AND AMY LYNN KERNS	905 518
6	10*16138	A	9-7-24	LARRY W KUHN AND VICKIE B KUHN, HUSBAND AND WIFE	905 522
7	10*16139	A	9-7-24	HUBERT DEAN KUHN AND ANDREA KUHN	905 524
8	10*16140	A	9-7-24	ANDY PAUL & JACKIE KUHN	905 526
9	10*16141	A	9-7-24	HOWARD L KUHN AND MARY L KUHN	905 528
10	10*16620	A	9-7-24	ROBERTA ANN AND DAVID S GIBB	919 237
11	10*17365	A	9-7-24	MYSTI JOANNE GOODMAN	927 268
12	10*17370	A	9-7-24	KELLY JUNE GOODMAN	927 470
13	10*18256	A	9-7-24	JEFFREY STEPHEN GOODMAN	929 1
14	10*47051.295.10	A	9-7-24	DEENA J PALOMO	905 470
15	10*47051.295.11	A	9-7-24	REGINA D FIGUEROA AND DAVID FIGUEROA	905 435
16	10*47051.295.12	A	9-7-24	EARL D WELLMAN	905 432
17	10*47051.295.13	A	9-7-24	THE DOLLY F WOOD REVOCABLE TRUST BY NICHOLAS CHARLES WOOD AS TRUSTEE	904 641
18	10*47051.295.3	A	9-7-24	HAZEL ARIZONA MOORE REYNOLDS	904 632
19	10*47051.295.4	A	9-7-24	LLOYD D MOORE	904 459
20	10*47051.295.5	A	9-7-24	DALE R MOORE	904 635
21	10*47051.295.6	A	9-7-24	MARY I BURKHART	904 638
22	10*47051.295.7	A	9-7-24	JEANNE V MELCHIORI	904 462
23	10*47051.295.9	A	9-7-24	JAMES E HIMELRICK JR AND KAREN HIMELRICK	904 465
24	10*15481	B	9-7-25.2	DEAN P RIGBY AND SUSAN RIGBY	908 197
25	10*15482	B	9-7-25.2	SUSAN NELSON	908 203
26	10*15666	B	9-7-25.2	JOHN OMER BOLTZ	908 160
27	10*15750	B	9-7-25.2	SANDRA K TRULL	908 229
28	10*16058	B	9-7-25.2	MATTIE RUTH JACKSON PRESCOTT	908 231
29	10*16118	B	9-7-25.2	RUBY RIDDLE JACKSON	908 233
30	10*16297	B	9-7-25.2	ROBERT A LEADBETTER AND M REBECCA LEADBETTER	908 235
31	10*16298	B	9-7-25.2	GEOFFREY A SHIEFER AND STEPHANIE L SCHIEFER	908 238
32	10*16883	B	9-7-25.2	ROBERT STEPHEN DRIGGERS	908 224
33	10*16414	B	9-7-25.2	MARY ELIZABETH DRIGGERS	908 208
34	10*16415	B	9-7-25.2	TERENCE J ANDERSON AND NANCY J ANDERSON	908 213
35	10*16416	B	9-7-25.2	CYNTHIA HUDSON	908 219
36	10*16424	B	9-7-25.2	ROBERT J RIGBY	908 241
37	10*16448	B	9-7-25.2	RALPH L AND JUANITA L CRIM	908 584
38	10*16478	B	9-7-25.2	MARION LAND EMILY CAMPBELL	908 245
39	10*16514	B	9-7-25.2	ALEX RUSSELL AND JOYCE A CAMPBELL	908 248
40	10*16515	B	9-7-25.2	ANNA MARIE JACKSON	908 251
41	10*16516	B	9-7-25.2	WILSON ANDREW JACKSON	908 253
42	10*16545	B	9-7-25.2	ROBERT G & ELLEN FOUNDS	908 260
43	10*16662	B	9-7-25.2	RICHARD THOMAS AND VICKI J MIMS	908 863
44	10*16666	B	9-7-25.2	MICHAEL P PYLE	908 255
45	10*16667	B	9-7-25.2	CHARLES F AND GAIL ANN PYLE	908 266
46	10*16668	B	9-7-25.2	JACK I AND MERRILEE PYLE	908 257
47	10*16669	B	9-7-25.2	JOHN S AND PATRICIA S DADD	908 269
48	10*16686	B	9-7-25.2	CHERYLE M TRACEY	927 475
49	10*16688	B	9-7-25.2	SHERRY L PYLE BAIR	927 481
50	10*16689	B	9-7-25.2	JOHN C FOUNDS	927 478
51	10*16690	B	9-7-25.2	RICARDO ORTIZ	921 352
52	10*16720	B	9-7-25.2	DONNA ELAINE BRASKETT	921 152
53	10*16738	B	9-7-25.2	CHARLES A RINE AND RUTH K RINE	908 274
54	10*16742	B	9-7-25.2	PAUL C WILSON	927 490
55	10*16747	B	9-7-25.2	WILLIAM DALE BRASKETT	921 96
56	10*16798	B	9-7-25.2	PATRICK A RANKIN AND ROBIN A RANKIN	921 364
57	10*16800	B	9-7-25.2	JAMES KENNETH JACKSON AND JULIE JACKSON	921 83
58	10*16802	B	9-7-25.2	CHRISTOPHER AND TAMMY RICHARDSON	921 495
59	10*16804	B	9-7-25.2	WILLIAM N AND SHERRY D TAYLOR	921 510
60	10*16806	B	9-7-25.2	VIRGINIA WHITMAN TRUST DTD 7-25-1984 JON WHITMAN TRUSTEE	921 528
61	10*16807	B	9-7-25.2	DAVID TULLER AND SUSAN STORTS TULLER	921 513
62	10*16808	B	9-7-25.2	MICHAEL L ORTIZ	921 349
63	10*16815	B	9-7-25.2	HAROLD W PYLE	921 357
64	10*16819	B	9-7-25.2	TERESA ORTIZ BIGGS	921 147
65	10*16821	B	9-7-25.2	SHEILA BRASKETT WEICHEY	921 516
66	10*16836	B	9-7-25.2	RICK A AND LENORE A STORTS	921 507
67	10*16837	B	9-7-25.2	TERRY L AND THELMA A POFF	927 472
68	10*16838	B	9-7-25.2	ROBERT G FUJARI	921 82
69	10*16839	B	9-7-25.2	JAMES B FOUNDS AND LYNN M MOWERY	921 73
70	10*16863	B	9-7-25.2	TINA MOORE	921 334
71	10*16868	B	9-7-25.2	MICHAEL W STORTS AND JESSICA M STORTS	921 504
72	10*16879	B	9-7-25.2	MARK E AND LESLEY A STORTS	921 501
73	10*16880	B	9-7-25.2	BEVERLY ANN STORTS	921 498
74	10*16902	B	9-7-25.2	MARY BARCAW DUKE	921 105
75	10*16962	B	9-7-25.2	DENNIS P AND BARBARA EZELL FLORY	921 70
76	10*16976	B	9-7-25.2	LESTER G AND CONSTANCE B NICKOLSON	921 343
77	10*16977	B	9-7-25.2	JEREMY COCHENOUR	921 102
78	10*16987	B	9-7-25.2	LAURIE EZELL PERRY	921 355
79	10*16989	B	9-7-25.2	BRITTANY RICHARDSON	921 376
80	10*16991	B	9-7-25.2	MARYELLEN FOUNDS AND LAUREN FOUNDS	921 79
81	10*16996	B	9-7-25.2	THOMAS RANKIN	917 75
82	10*17130	B	9-7-25.2	CINDY L BARGER	921 137
83	10*17155	B	9-7-25.2	JESSE LEON JR AND TERESA GAIL EZELLE	921 118
84	10*17156	B	9-7-25.2	HENRI NELL JACKSON KENT BARNES	921 139
85	10*17157	B	9-7-25.2	JAMES N REEVES JR AND RITA M REEVES	921 367
86	10*17198	B	9-7-25.2	THOMAS G AND DIANE W BAYLESS	921 141
87	10*17205	B	9-7-25.2	SANDRA JEAN WILSON	921 524
88	10*17208	B	9-7-25.2	PATRICK S GALLAGHER AND JOYCE ANN FOUNDS	921 86
89	10*17274	B	9-7-25.2	DAVID H WILSON	921 474
90	10*17275	B	9-7-25.2	JOHN R REEVES AND MONA G REEVES	921 373
91	10*17276	B	9-7-25.2	BERTHA EZELL WYATT	921 526
92	10*17278	B	9-7-25.2	MICHAEL L EZELLE	921 121
93	10*17339	B	9-7-25.2	JOSEPH W FOUNDS	921 76
94	10*17377	B	9-7-25.2	MILTON HOWARD EZELLE JR AND ELIZABETH A EZELLE	921 123
95	10*17416	B	9-7-25.2	ANDREW M ORTIZ	921 346
96	10*17438	B	9-7-25.2	DENNIS M WILSON	921 476
97	10*17440	B	9-7-25.2	KENDRA WALISA	927 484
98	10*17441	B	9-7-25.2	RALPH J WILSON	921 522
99	10*17442	B	9-7-25.2	SHANE ALLEN AND MENDY JEAN ALLEN	921 134
100	10*17443	B	9-7-25.2	MICHELLE MORROW-BACK	921 337

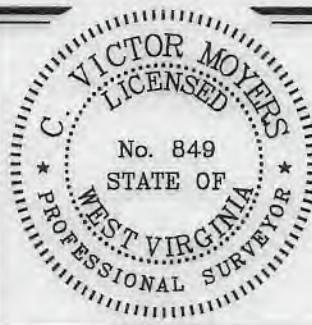
FILE NO. 8655P17HUR3.dwg

DATE AUGUST 29, 20 17

REVISED 01-15-2018, 02-15-2019

OPERATORS WELL NO. _____

API WELL NO. 47 — OS1 — D203346A
 STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



P.S. 849 C. Victor Moyers

WELL OPERATOR TUG HILL OPERATING, LLC
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
 FORT WORTH, TX 76107

DESIGNATED AGENT DIANNA STAMPER
 ADDRESS CT CORPORATION SYSTEM
 5400 D BIG TYLER ROAD
 CHARLESTON, WV 25313

COUNTY NAME PERMIT

TEN HIGH 1S LEASE
 UTICA UNIT - 295.39 AC ±
 WELL 17HU
 TUG HILL OPERATING



05/10/2019

No.	Lease Name or No.	Tag	Parcel	Oil & Gas Royalty Owners	Deed Book/Page
101	10*17444	B	9-7-25.2	KELLY FOUNDS CAMPBELL	921 99
102	10*17449	B	9-7-25.2	PHYLLIS J BLAKE	921 150
103	10*17482	B	9-7-25.2	TERESA EZELLE RALYA AND DAVID L RALYA	927 487
104	10*17483	B	9-7-25.2	RICHARD I PYLE	921 359
105	10*17484	B	9-7-25.2	NELDA S JACKSON	921 330
106	10*17485	B	9-7-25.2	MARGIE ANN JACKSON ROBBINS GRAHAM	921 91
107	10*17526	B	9-7-25.2	JEFFREY L REEVES AND JODY L REEVES	921 370
108	10*17527	B	9-7-25.2	JAMES MICHAEL EZELL AND LUCILLE D EZELL	921 111
109	10*17552	B	9-7-25.2	JOHN BEVACQUA AND PATRICIA A BEVACQUA	921 144
110	10*17554	B	9-7-25.2	MICHAEL T RANKIN	921 361
111	10*17561	B	9-7-25.2	ROGER L TYRELL AND KATHRYN L TYRELL	921 519
112	10*17564	B	9-7-25.2	JAMES RONALD NICKOLSON AND TRACEY E NICKOLSON	921 340
113	10*17565	B	9-7-25.2	JESSE ALLEN JACKSON AND EUZABETH D JACKSON	921 327
114	10*17566	B	9-7-25.2	NATHAN P ERDOSSY AND BARBARA T ERDOSSY	921 108
115	10*17588	B	9-7-25.2	JAMES M JACKSON	921 325
116	10*17589	B	9-7-25.2	MARY CHRISTINE MCKENNA	921 332
117	10*17677	B	9-7-25.2	GEORGE M GONTA JR	921 89
118	10*17744	B	9-7-25.2	SAM PRESLEY EZELL	921 116
119	10*18021	B	9-7-25.2	CHRISTOPHER & JACKIE HANIFAN	927 267
120	10*18022	B	9-7-25.2	DALE P & CYNTHIA J WARD	927 264
121	10*47051.223.12	B	9-7-25.2	AUCE GORBY MARTIN	908 52
122	10*47051.223.13	B	9-7-25.2	JAMES A GORBY	908 42
123	10*47051.223.15	B	9-7-25.2	LARRY D TALUNT AND NANCY L TALUNT	908 14
124	10*47051.223.20	B	9-7-25.2	BARBARA A BUZZARD	908 34
125	10*47051.223.21	B	9-7-25.2	GARY T WARD AND SHARON D WARD	908 19
126	10*47051.223.30	B	9-7-25.2	LAURIE DRIGGERS MANDERSON	908 165
127	10*47051.223.33	B	9-7-25.2	NANCY CIAFFAGNONE HOUSLEY	908 185
128	10*47051.223.35	B	9-7-25.2	DEBRA L CIAFFAGNONE	908 190
129	10*47051.223.6	B	9-7-25.2	JOSHUA RINE AND REBECCA RINE	907 634
130	10*47051.223.9	B	9-7-25.2	UNDA DELBERT	908 32
131	10*47051.303.1	B	9-7-25.2	THOMAS R WHITFIELD	890 401
132	10*47051.303.2	B	9-7-25.2	KIMBERLY A WHITFIELD	890 403
133	10*15501	C	9-7-12.1	RONALD AND EDNA MOORE	661 449
134	10*19117	D	9-7-11	MARK H. FOX	864 163
135	10*18564	E	9-7-11.1	WVA DEPT OF HIGHWAY	947 566
136	10*19135	F	9-7-27	CAROL J ANDERSON ET AL - SEE ATTACHED DOCUMENT	772 228
137	10*19143	G	9-7-28	VICTOR CAMERON AND CLAIRE CAMERON	872 171
138	10*19135	H	9-7-29.1	CAROL J ANDERSON ET AL - SEE ATTACHED DOCUMENT	772 228
139	10*19183	I	9-7-28.1	EVELYN M WILLIAMS	720 180
140	10*19135	J	9-7-29	CAROL J ANDERSON ET AL - SEE ATTACHED DOCUMENT	772 228
141	10*47051.304.0	K	9-9-3	UNITED BANK INC	905 5
142	10*23386	L	9-9-2	EDITH CARMICHAEL HEIRS BY HERMAN LANTZ, SPECIAL COMMISSIONER	1008 68
143	10*47051.222.1	M	9-12-5	DONALD D MCCARDLE AND LUCY MCCARDLE	879 314
144	10*23386	N	9-9-1	EDITH CARMICHAEL HEIRS BY HERMAN LANTZ, SPECIAL COMMISSIONER	1008 68
145	10*47051.289.1	O	9-12-8	JANICE M HIXSON AND HARRY C HIXSON	898 461
146	10*47051.289.2	O	9-12-8	KENNETH D MCMEECHEN	898 463
147	10*15999	P	9-12-9	CHARLES W DOBBS ET UX	702 171
148	10*16000	P	9-12-9	DAVID J KLUKAS ET UX	702 175
149	10*16001	P	9-12-9	MARLENE D GARIN	702 173
150	10*15494	Q	9-12-11	CHRISTOPHER SINGER AND SHEREA SINGER	898 433
151	10*16484	Q	9-12-11	PEGGY MARIE SIEBOLD	942 445
152	10*16485	Q	9-12-11	MICHELLE ANN KNAUFF	942 447
153	PENDING	Q	9-12-11	ELEANOR CHAMBERS BY HER AIF, MARK D CHAMBERS	1023 166
154	10*15474	R	9-12-22	CLARK C SAMPSON	907 495
155	10*15480	R	9-12-22	DOTTIE HERSMAN	907 487
156	10*15491	R	9-12-22	NORMAN L WOOD	907 507
157	10*15691	R	9-12-22	ALLIETTA J RUCKER AND RONALD R RUCKER	907 509
158	10*15692	R	9-12-22	EVA A COULTER	907 511
159	10*15693	R	9-12-22	EVERETT A WOOD	907 513
160	10*15732	R	9-12-22	JOAN R CUNNINGHAM AND MARK A CLNNINGHAM	907 515
161	10*15745	R	9-12-22	BRENDA L KING	907 517
162	10*16010	R	9-12-22	DONNA M RIGGS AND ROBERT H RIGGS	907 519
163	10*16012	R	9-12-22	PAULA K PAGE AND PHILLIP G PAGE	907 522
164	10*16013	R	9-12-22	HERBERT H BURKHART AND BETTY J BURKHART	907 524
165	10*16014	R	9-12-22	MARY KAY KESSLER AND ROY LEE KESSLER	907 526
166	10*16022	R	9-12-22	ALBERT D BURKHART	907 528
167	10*16023	R	9-12-22	BARBARA J BROWN	907 530
168	10*16057	R	9-12-22	CORA ALICE DAUBE	907 532
169	10*16119	R	9-12-22	JEFFREY L EWASKEY	907 569
170	10*16151	R	9-12-22	JOHN HARRIS AND HELEN VIRGINIA HARRIS	907 573
171	10*16193	R	9-12-22	NANCY L WOLFE	907 575
172	10*16195	R	9-12-22	DAVID P NIERATKO AND JUDY C NIERATKO	929 344
173	10*16245	R	9-12-22	MARGARET D STRAUSSER AND GREGORY L STRAUSSER	907 577
174	10*16293	R	9-12-22	DANIEL LEE AND DIANA M WEST	907 579
175	10*16294	R	9-12-22	DONNA G AND PAUL L CHMELYNKI	907 581
176	10*16296	R	9-12-22	DOUGLAS E COURTWRIGHT AND JESSAMINE L COURTWRIGHT	907 583
177	10*16361	R	9-12-22	ROBERT M WOOD AND CAROL ANN WOOD	907 499
178	10*16371	R	9-12-22	VERA L APPLGARTH	907 503
179	10*16411	R	9-12-22	BONNIE L WOOD	907 501
180	10*16419	R	9-12-22	MELVIN B WOOD	907 505
181	10*16427	R	9-12-22	LURIA ALWANDA COOLEY	907 585
182	10*16430	R	9-12-22	BULELAH V RIDDLE	907 587
183	10*16449	R	9-12-22	BILLIE ALBERTA MIDDLETON	907 613
184	10*16450	R	9-12-22	JAMES D RAYNER AND PATRICIA ANN RAYNER	907 615
185	10*16451	R	9-12-22	JAMIE A SMITH AND JOSHUA C SMITH	907 617
186	10*16465	R	9-12-22	KAREN J AND MICHAEL E BRUGGEMAN	907 619
187	10*16467	R	9-12-22	CHARLES A AND GARY LYNN ECKHARDT	907 621
188	10*16542	R	9-12-22	CAROL ANN YEATER AND RICKEY A YEATER	907 623
189	10*16543	R	9-12-22	JERRY R AND JACQUELYNN E RUTHERS	907 625
190	10*16544	R	9-12-22	NORMA JEAN ROGERS AND DONALD L ROGERS SR	907 627
191	10*16681	R	9-12-22	BRENDA S THOMPSON	929 350
192	10*16682	R	9-12-22	CYNTHIA A AND WILLIAM D FETTY	929 616
193	10*16683	R	9-12-22	FRANKUN CLARK PATRICIA FENSTERMACHER	929 346
194	10*16846	R	9-12-22	PAMELA SUE BURGE	929 348
195	10*16847	R	9-12-22	WILLIAM L AND JENNIFER R EWASKEY	929 352
196	10*16889	R	9-12-22	HAROLD H CLARK JR	929 354
197	10*16921	R	9-12-22	HAZEL CLARK ROSENBLUND	929 356
198	10*16974	R	9-12-22	BRANDY L WOOD	929 360
199	10*16975	R	9-12-22	TIMOTHY J WOOD	929 358
200	10*16998	R	9-12-22	CHAD ERIC BENNETT AND MARY A BENNETT	929 584

FILE NO. 8655P17HUR3.dwg

DATE AUGUST 29, 20 17

REVISED 01-15-2018, 02-15-2019

OPERATORS WELL NO.

API WELL NO. 47 — 051 — D2033H6A
 NO. STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



P.S. 849 *C. Victor Moyers*

WELL OPERATOR TUG HILL OPERATING, LLC
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
 FORT WORTH, TX 76107

DESIGNATED AGENT DIANNA STAMPER
 CT CORPORATION SYSTEM
 ADDRESS 5400 D BIG TYLER ROAD
 CHARLESTON, WV 25313

COUNTY NAME PERMIT

TEN HIGH 1S LEASE
 UTICA UNIT - 295.39 AC ±
 WELL 17HU
 TUG HILL OPERATING



No.	Lease Name or No.	Tag	Parcel	Oil & Gas Royalty Owners	Deed Book/Page
201	10*18998	R	9-12-22	MISTY JO WOOD AND GARY A MORRIS	929 362
202	10*17183	R	9-12-22	TARA E BENNETT	929 586
203	10*17277	R	9-12-22	GUY C ANDO AND WENDY PYLES ANDO	929 594
204	10*17280	R	9-12-22	BONNIE M KIDD AND CHARLES R KIDD	929 592
205	10*17281	R	9-12-22	STACY R BENNETT	929 590
206	10*17282	R	9-12-22	CARUS LEON CLARK	929 588
207	10*17423	R	9-12-22	LORI ANN WEST	929 596
208	10*17424	R	9-12-22	CAROL A CLARK	929 598
209	10*17446	R	9-12-22	GREGORY DEAN CLARK AND MARY ANN CLARK	929 600
210	10*17488	R	9-12-22	SUSANNA M DENIS	929 604
211	10*17495	R	9-12-22	KEVIN R CLARK AND NANCY G CLARK	929 608
212	10*17498	R	9-12-22	MICHAEL R DODD AND LISA M DODD	929 614
213	10*17521	R	9-12-22	BETTY LOU MCMILLAN AND WILLIAM A MCMILLAN	929 610
214	10*17522	R	9-12-22	RONALD D CLARK AND TAMMY C CLARK	929 612
215	10*17523	R	9-12-22	ROBERT R CLARK II	929 620
216	10*17529	R	9-12-22	HARRY C BURGE JR AND CAROL S BURGE	929 602
217	10*17558	R	9-12-22	SHIRLEY IRENE VANOVER	929 618
218	10*17585	R	9-12-22	DEBORAH L LUGO AND RONALD J LUGO	929 622
219	10*17587	R	9-12-22	DONNA SUE BEVERIDGE AND EARL P BEVERIDGE	929 626
220	10*17624	R	9-12-22	SHIRLEY E ELKINS	928 557
221	10*17704	R	9-12-22	BETTY L & ROY S PEARCE	929 628
222	10*17714	R	9-12-22	RUSSELL A CLARK AND CATHERINE CLARK	929 630
223	10*18106	R	9-12-22	TIMOTHY HEWITT	929 628
224	10*18237	R	9-12-22	CLARENCE LEE CLARK	930 3
225	10*18238	R	9-12-22	KATHRYN L ATWELL	930 1
226	10*18239	R	9-12-22	VERA S CAIN	929 649
227	10*18240	R	9-12-22	JODY CLARK ELLIOTT	929 647
228	10*18242	R	9-12-22	WILLIAM R DODD AND NANCY DODD	929 645
229	10*47051.289.1	R	9-12-22	JANICE M HIXSON AND HARRY C HIXSON	898 461
230	10*47051.289.2	R	9-12-22	KENNETH D MCMECHEN	898 463
231	10*47051.289.3	R	9-12-22	NELIJE JOANN CLARK	907 493
232	10*15579	S	9-12-20	WARREN J DOBBS	686 321
233	10*15580	S	9-12-20	SHARON KAY WADE	686 262
234	10*15581	S	9-12-20	RUTH NAOMI SAMPSON BY ATTORNEY IN FACT	686 284
235	10*47051.140.1	T	9-12-21	DAVID P CHAPMAN & DEBORAH BORCK-CHAPMAN	866 318
236	10*47051.140.2	T	9-12-21	DOROTHY SULLIVAN POA JAMES REID SULLIVAN	873 501
237	10*47051.140.1	U	9-12-32	DAVID P CHAPMAN & DEBORAH BORCK-CHAPMAN	866 318
238	10*47051.140.2	U	9-12-32	DOROTHY SULLIVAN POA JAMES REID SULLIVAN	873 501

05/10/2019

FILE NO. 8656P17HUR3.dwg
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 OPERATORS WELL NO. _____
 API WELL NO. 47 — 051 — 020.33
 NO. STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
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P.S. 849 C. Victor Moyers

COUNTY NAME _____
 PERMIT _____

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 DESIGNATED AGENT DIANNA STAMPER CT CORPORATION SYSTEM ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313