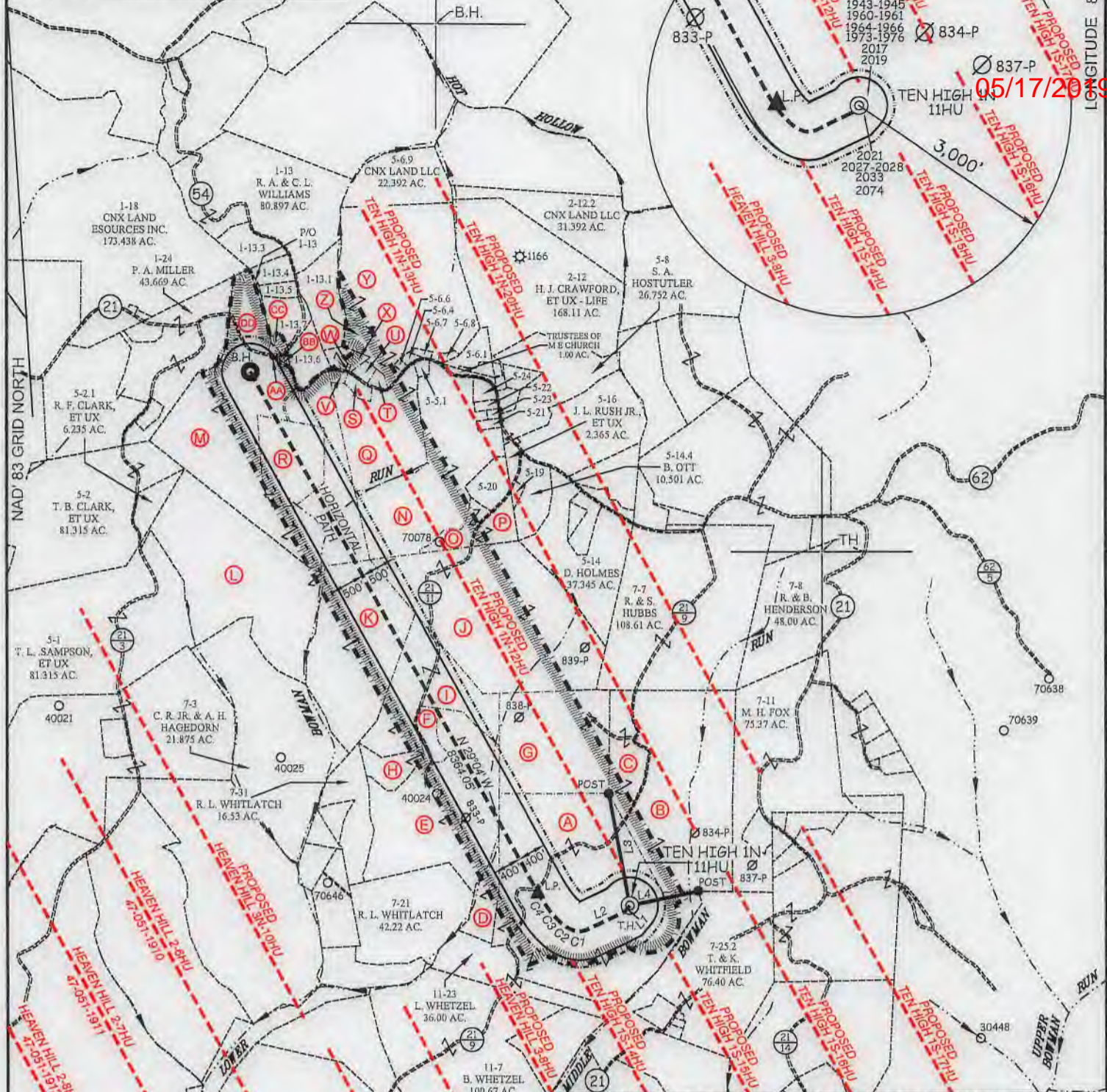


**TEN HIGH 1N LEASE
UTICA UNIT - 537.97 AC±
WELL 11HU
TUG HILL OPERATING**

LINE	BEARING	DISTANCE
L1	S 40°58' W	122.09'
L2	S 64°16' W	591.39'
L3	N 10°39' W	1599.69'
L4	N 78°00' E	990.73'

LATITUDE 39°50'00"

LONGITUDE 80°40'00"



CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	180.70'	243.02'	S 87°00' W	176.57'
C2	191.29'	485.84'	N 60°43' W	190.06'
C3	253.99'	1184.35'	N 43°36' W	253.51'
C4	307.60'	1958.19'	N 33°25' W	307.29'

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P.S. 849 *C. Victor Moyers*

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

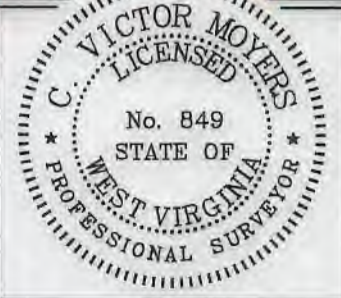
NAD83 S.P.C.(FT)	N. 478,135.39	E. 1,636,740.94
NAD83 GEO.	LAT-(N) 39.806737	LONG-(W) 80.680940
NAD83 UTM (M)	N. 4,406,355.98	E. 527,311.49

LANDING POINT

NAD83 S.P.C.(FT)	N. 478,310.3	E. 1,635,442.0
NAD83 GEO.	LAT-(N) 39.807170	LONG-(W) 80.685572
NAD83 UTM (M)	N. 4,406,402.7	E. 526,914.9

BOTTOM HOLE

NAD83 S.P.C.(FT)	N. 485,821.4	E. 1,631,379.4
NAD83 GEO.	LAT-(N) 39.827092	LONG-(W) 80.700379
NAD83 UTM (M)	N. 4,408,609.3	E. 525,640.0



(+) 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. 8655P11HU5.dwg
DATE JULY 21, 2017 TEN HIGH 1N 11HU Rev7
REVISED SEPTEMBER 26, 2018
OPERATORS WELL NO. TEN HIGH 1N-11HU
API WELL NO. 47 — 051 — 01960 MOD
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 FORT WORTH, TX 76107	ADDRESS	5400 D BIG TYLER ROAD CHARLESTON, WV 25313

COUNTY NAME PERMIT

**TEN HIGH 1N LEASE
UTICA UNIT - 537.97 AC±
WELL 11HU
TUG HILL OPERATING**

LATITUDE 39°50'00"

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 478,135.39 E. 1,836,740.94
 NAD'83 GEO. LAT-(N) 39.806737 LONG-(W) 80.680940
 NAD'83 UTM (M) N. 4,408,355.98 E. 527,311.49
LANDING POINT
 NAD'83 S.P.C.(FT) N. 478,310.9 E. 1,635,442.0
 NAD'83 GEO. LAT-(N) 39.807170 LONG-(W) 80.685572
 NAD'83 UTM (M) N. 4,408,402.7 E. 526,914.9
BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 485,621.4 E. 1,631,379.4
 NAD'83 GEO. LAT-(N) 39.827092 LONG-(W) 80.570437
 NAD'83 UTM (M) N. 4,408,609.3 E. 525,640.0

80°40'00"
 2,274' B.H.
 9,688' T.H.

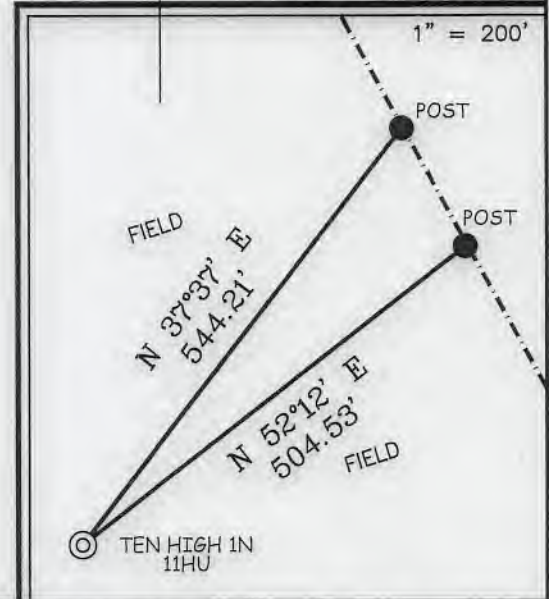
NOTES ON SURVEY

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'
3. PROPOSED LATERAL OR TOP HOLE OF TEN HIGH 1N-11HU IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF PROPOSED WELLS HEAVEN HILL 3-6HU, HEAVEN HILL 3-7HU, HEAVEN HILL 3-8HU, HEAVEN HILL 3N-10HU, TEN HIGH 1S-14HU, TEN HIGH 1S-15HU, TEN HIGH 1S-16HU, TEN HIGH 1S-17HU, TEN HIGH 1N-12HU, TEN HIGH 1N-13HU, AND TEN HIGH 1N-20HU.

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-1-13.1	BURDETTE L. BEUCKE	14.256
9-1-13.3	CNX LAND LLC	8.127
9-1-13.4	MACK L. CROW	4.273
9-1-13.5	MACK L. CROW	2.491
9-1-13.6	GERALD E. LOGSDON, ET UX	7.621
9-1-13.7	SHARON D. TUCKER	7.817
9-5-5.1	DAVID M. TOLER, ET UX	0.985
9-5-6.1	JON B. CRAWFORD	4.679
9-5-6.4	NANCY L. SNYDER	0.694
9-5-6.6	NANCY L. SNYDER	0.420
9-5-6.7	NANCY L. SNYDER	0.678
9-5-6.8	NANCY L. SNYDER	0.691
9-5-19	BETTY R. OTT	0.933
9-5-20	KEITH WILSON - DONALD E. LEACH (LIFE ESTATE)	6.924
9-5-21	RALPH E. WELLMAN, ET UX	1.00
9-5-22	RALPH E. WELLMAN, ET UX	0.5
9-5-23	RALPH E. WELLMAN, ET UX	1.00
9-5-24	ALVIE & MARCELLA DARRAH	1.986

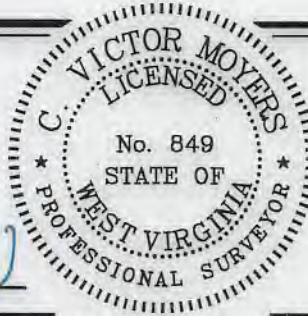
TAG	SURFACE OWNER	PARCEL	ACRES
A	LAWRENCE & SHIRLEY CONKLE ESTS	9-7-24	139.79
B	ROBERT G. HUBBS & SCARLETT E. OTTE	9-7-12.1	86.363
C	RONALD MOORE, ET UX	9-7-12	16.587
D	LAWRENCE & SHIRLEY CONKLE ESTS	9-7-22	12.00
E	RICKY L. WHITLATCH	9-7-30	72.82
F	ANDREW COREY WHITLATCH	9-7-30.1	4.55
G	RONALD MOORE, ET UX	9-7-13	51.49
H	RICKY L. WHITLATCH	9-7-15	7.54
I	ARNIE GOODNIGHT, ET UX	9-7-14	39.55
J	TERESA L. HORNER WITH JERRY G. & CAROLYN K. FLETCHER (LIFE ESTATE)	9-7-6	103.30
K	ARNIE GOODNIGHT, ET UX	9-7-5	62.18
L	HELEN ROBERTSON PAYNE	9-5-3	85.26
M	ELMER ASTON	9-5-4	108.225
N	MICHAEL JOSEPH SNYDER	9-5-5.4	64.00
O	KELLY WILSON WITH DONLD E. LEACH (LIFE ESTATE)	9-5-18	5.807
P	CARLA SUE CROW	9-5-17	6.341
Q	MICHAEL JOSEPH SNYDER	9-5-5	35.02
R	CONSOLIDATION COAL COMPANY	9-5-4.1	22.775
S	MICHAEL JOSEPH SNYDER & NANCY L. SNYDER	9-5-5.3	1.870
T	LINDA GORBY DELBERT	9-5-6.5	1.087
U	DEUTICHE BANK NATIONAL TRUST CO.	9-5-6.3	1.391
V	PETER PARKER	9-5-5.2	0.873
W	ALICIA JANE MARTIN	9-1-14	2.4602
X	ALICE J. & DOUGLAS J. MARTIN	9-1-14.1	0.905
Y	NANCY L. SNYDER	9-5-6	82.858
Z	MICHAEL JOSEPH SNYDER	9-5-6.2	2.82
AA	BOARD OF EDUCATION	NOT ASSD	NOT ASSD
BB	BOARD OF EDUCATION	NOT ASSD	NOT ASSD
CC	RANDALL A. KEREKES	9-1-13.2	1.518
DD	CNX LAND RESOURCES	NOT ASSD	10+/-

REFERENCES



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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.



P.S. 849 *C. Victor Moyers*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JULY 21, 20 17
 REVISED SEPTEMBER 26, 2018
 OPERATORS WELL NO. TEN HIGH 1N-11HU
 API WELL NO. 47-051-01960MOD
 STATE WV COUNTY MARSHALL PERMIT H6A

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8655P11HUR5.dwg
TEN HIGH 1N 11HU Rev7
 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 = 1,321.10' 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 LARRY LEE CONKLE, 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: 20,628'

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

COUNTY NAME
 PERMIT

**TEN HIGH 1N LEASE
UTICA UNIT - 537.97 AC±
WELL 11HU
TUG HILL OPERATING**



05/17/2019

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 AND LORIE A CONKLE	863 311
3	10*15664	A	9-7-24	THERESA ANNE HUGHES	863 343
4	10*15666	A	9-7-24	BRENDA J 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 KUHN & JACKIE KUHN	905 526
9	10*16141	A	9-7-24	HOWARD L KUHN AND MARY L KUHN	905 528
10	10*16820	A	9-7-24	ROBERTA ANN GIBB AND DAVID S GIBB	919 237
11	10*17365	A	9-7-24	MYSTI JOANNE GOODMAN	927 468
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	EARLD WELLMAN	905 432
17	10*47051.295.13	A	9-7-24	THE DOLLYE 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*15501	B	9-7-12.1	RONALD AND EDNA MOORE	661 449
25	10*15501	C	9-7-12	RONALD AND EDNA MOORE	661 449
26	10*15486	D	9-7-22	RICHARD NEAL NORRIS AND CAROL NORRIS	905 430
27	10*15487	D	9-7-22	WILLIAM C RUTAN	905 475
28	10*15489	D	9-7-22	DONALD T SNODGRASS AND LILA F SNODGRASS	915 189
29	10*15492	D	9-7-22	HEATHER WHORTON STILLION AND CHRISTOPHER STILLION	905 473
30	10*15609	D	9-7-22	MICHELLE R WILHELM	834 456
31	10*15610	D	9-7-22	SARAH STEVENS	834 432
32	10*15611	D	9-7-22	ROBERT S ZEHNDER	834 437
33	10*15612	D	9-7-22	VERA SHIRLENE & ARTHUR WORKMAN	837 361
34	10*15613	D	9-7-22	THOMAS L STEVENS	836 290
35	10*15614	D	9-7-22	DAVID F RINE	837 130
36	10*15615	D	9-7-22	PAUL WAYNE RINE	837 133
37	10*15616	D	9-7-22	PHILIP C RINE	836 332
38	10*15617	D	9-7-22	GLADYS M RINE	836 329
39	10*15618	D	9-7-22	CHARLES A RINE	835 22
40	10*15619	D	9-7-22	SHARON M REYNOLDS	840 322
41	10*15620	D	9-7-22	GLADYS RUCKMAN	840 319
42	10*15621	D	9-7-22	KATHERINE A STAINAKER	840 325
43	10*15622	D	9-7-22	JAY LEROY RINE	840 351
44	10*15623	D	9-7-22	SUSAN JANE WHEELER	847 473
45	10*15624	D	9-7-22	RONALD A ZEHNDER	847 213
46	10*15625	D	9-7-22	LAWRENCE W STIRLING	852 384
47	10*15626	D	9-7-22	ROBERT J SEAVER	854 77
48	10*15627	D	9-7-22	PAULA R SEAVER	853 483
49	10*15628	D	9-7-22	JENNIFER SEAVER	853 272
50	10*15629	D	9-7-22	DANIEL L RINE	860 86
51	10*15630	D	9-7-22	JANE L HELFER	836 342
52	10*15631	D	9-7-22	DAVID HEINZERTH	836 219
53	10*15632	D	9-7-22	MARIAN D JONES	835 38
54	10*15633	D	9-7-22	ROGER W GATTS	835 35
55	10*15634	D	9-7-22	JAMES W DAYTON	847 567
56	10*15635	D	9-7-22	ELLEN L BETTINAZZI	847 496
57	10*15636	D	9-7-22	JOSEPH ASTON JR BY HIS ATTORNEY-IN-FACT MELVIN J. ASTON	848 280
58	10*15637	D	9-7-22	DONALD ASTON	848 274
59	10*15638	D	9-7-22	PAUL J ASTON A/K/A JACK ASTON	848 277
60	10*15639	D	9-7-22	DELLA M BURKEY A/K/A MAXINE ASTON	848 435
61	10*15640	D	9-7-22	EMMA JANE DAVIS A/K/A EMA ASTON	848 271
62	10*15641	D	9-7-22	HENRY W ASTON	847 138
63	10*15642	D	9-7-22	KENNETH L DAYTON	852 366
64	10*15643	D	9-7-22	NORMAN G JOHNSON	848 363
65	10*15644	D	9-7-22	RONALD BEN LAUGHTON	852 360
66	10*15645	D	9-7-22	KAREN K OLDFIELD	854 111
67	10*15646	D	9-7-22	JUDITH A CRONE	848 428
68	10*15647	D	9-7-22	KENNETH WENDELL OLDFIELD	861 589
69	10*15648	D	9-7-22	MARTHA CRAWFORD	863 542
70	10*15649	D	9-7-22	MARY JANE DANIEL	858 28
71	10*15650	D	9-7-22	MARY GLADYS KUHN BY ATTORNEY IN FACT CONNIE LYONS	860 89
72	10*15651	D	9-7-22	THOMAS G ASTON	860 83
73	10*15652	D	9-7-22	ISAAC R ASTON A/K/A IKE ASTON	866 136
74	10*15653	D	9-7-22	EMILY M HENCERTH	862 574
75	10*15654	D	9-7-22	GEORGE E HENNIGER	863 612
76	10*15655	D	9-7-22	ANNA EMERSON A/K/A ANNIE ASTON	864 603
77	10*15656	D	9-7-22	PATTY L MYERS	867 100
78	10*15657	D	9-7-22	MARY MARGARET ASTON	868 283
79	10*15658	D	9-7-22	GLEN MATTHEW LAUGHTON	873 324
80	10*15659	D	9-7-22	WILLIAM E DAYTON BY HIS AIF	871 190
81	10*15660	D	9-7-22	DOUGLAS PAUL HENCERTH BY HIS AIF	871 193
82	10*15662	D	9-7-22	LARRY LEE CONKLE	863 354
83	10*15663	D	9-7-22	ROY A CONKLE SR AND LORIE A CONKLE	863 311
84	10*15664	D	9-7-22	THERESA ANNE HUGHES	863 343
85	10*15666	D	9-7-22	BRENDA J WHETZEL	863 635
86	10*15673	D	9-7-22	DIANE B ASTON	864 595
87	10*15679	D	9-7-22	CARA BONAR FREESE AND GEORGE H FREESE	905 481
88	10*15680	D	9-7-22	ROBERTA JANE CLAYTON	905 485
89	10*15688	D	9-7-22	JOSH GARY AND CHRISTINA M GARY	905 487
90	10*15689	D	9-7-22	JOHN LEROY BAKER AND CYNTHIA A BAKER	905 491
91	10*15690	D	9-7-22	ROBERT WHORTON AND LINDSAY WHORTON	905 489
92	10*15728	D	9-7-22	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	905 483
93	10*15729	D	9-7-22	DONNA KAY ALLEN AND ROGER ALLEN	905 493
94	10*15747	D	9-7-22	WILLIAM H BAKER	905 499
95	10*15748	D	9-7-22	CAROLYN LEE FUREY AND MARTIN J FUREY	905 495
96	10*15749	D	9-7-22	DIANA SMITH KNIGHT	905 497
97	10*16019	D	9-7-22	ROGER E GALLAGHER AND CONIE M GALLAGHER	905 503
98	10*16029	D	9-7-22	MARTHA ASHWORTH KNIGHT	905 505
99	10*16049	D	9-7-22	DANNY SHAWN KERNS AND AMY LYNN KERNS	905 518
100	10*16050	D	9-7-22	WILLIAM L GALLAGHER	905 512

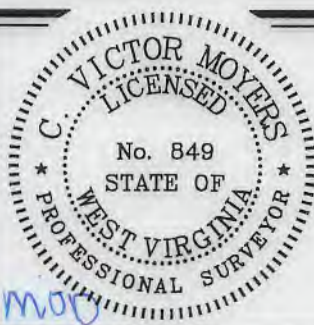
FILE NO. 8655P11HUR5.dwg
TEN HIGH 1N 11HU Rev7

DATE JULY 21, 20 17

REVISED SEPTEMBER 26, 2018, 20 18

OPERATORS WELL NO. TEN HIGH 1N-11HU

API WELL NO. 47 — 051 — 01960
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

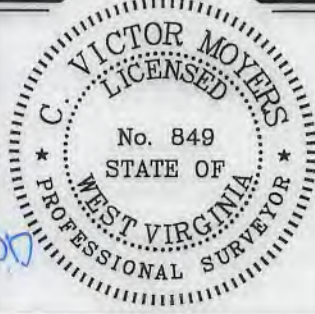
TEN HIGH 1N LEASE
 UTICA UNIT - 537.97 AC±
 WELL 11HU
 TUG HILL OPERATING



05/17/2019

No.	Lease Name or No.	Tag	Parcel	Oil & Gas Royalty Owners	Deed Book/Page
101	10*16114	D	9-7-22	ROBERT SANDFORD BLACK AND JOAN BLACK	905 510
102	10*16123	D	9-7-22	PHYLLIS R GATTO	905 520
103	10*16138	D	9-7-22	LARRY W KUHN AND VICKIE B KUHN, HUSBAND AND WIFE	905 522
104	10*16139	D	9-7-22	HUBERT DEAN KUHN AND ANDREA KUHN	905 524
105	10*16140	D	9-7-22	ANDY PAUL KUHN & JACKIE KUHN	905 525
106	10*16141	D	9-7-22	HOWARD L KUHN AND MARY L KUHN	905 528
107	10*16177	D	9-7-22	JOSEPHINE BROWN	905 530
108	10*16179	D	9-7-22	DANA BERRY COPELAND	905 532
109	10*16287	D	9-7-22	CHARLINE M ENGLE AND KEVIN E ENGLE	905 534
110	10*16384	D	9-7-22	DANIELLE BONAR OSTER AND LOUIS MICHAEL OSTER	905 501
111	10*16389	D	9-7-22	CHARLES BERRY	905 508
112	10*16423	D	9-7-22	GAILL VAUGHN AND LARRY VAUGHN	905 536
113	10*16426	D	9-7-22	RENE J RUTAN	905 538
114	10*16440	D	9-7-22	MELANIE C WILKINS AND ROBERT WILKINS	927 462
115	10*16513	D	9-7-22	LOWELL D AND JANICE L KNIGHT	927 458
116	10*16546	D	9-7-22	WALTER C RINE AND CHERYL A RINE	927 456
117	10*16558	D	9-7-22	PAUL BONAR KNIGHT AND SUZANNE L HOPKINS-KNIGHT	927 460
118	10*16820	D	9-7-22	ROBERTA ANN GIBB AND DAVID S GIBB	919 237
119	10*16844	D	9-7-22	HOLLY A LONGFELLOW	927 454
120	10*16845	D	9-7-22	TRACY L AND KEITH W BARNBY	927 452
121	10*16896	D	9-7-22	MARTHA J BLACK	927 450
122	10*17365	D	9-7-22	MYSTI JOANNE GOODMAN	927 468
123	10*17370	D	9-7-22	KELLY JUNE GOODMAN	927 470
124	10*17497	D	9-7-22	SUZANNA DODUNG AND MICHAEL DODUNG	927 464
125	10*17584	D	9-7-22	WILLIAM THOMAS BONAR AND MONICA BONAR	927 466
126	10*17625	D	9-7-22	CHARLES E BROWN	929 624
127	10*18256	D	9-7-22	JEFFREY STEPHEN GOODMAN	929 1
128	10*18415	D	9-7-22	CHAD LONGFELLOW	932 575
129	10*18514	D	9-7-22	JOHN R BERRY	933 569
130	10*18522	D	9-7-22	MARTIN REED BROWN AND DOLORES BROWN	933 558
131	10*19391	D	9-7-22	JEFF BERRY AND AMY BERRY	940 340
132	10*19406	D	9-7-22	WILLIAM KENT BROWN AND KAYLEEN BROWN	939 289
133	10*21960	D	9-7-22	AKRON BAPTIST TEMPLE	960 22
134	10*47051.295.10	D	9-7-22	DEENA J PALOMO	905 470
135	10*47051.295.11	D	9-7-22	REGINA D FIGUEROA AND DAVID FIGUEROA	905 435
136	10*47051.295.12	D	9-7-22	EARL D WELLMAN	905 432
137	10*47051.295.13	D	9-7-22	THE DOLLY F WOOD REVOCABLE TRUST BY NICHOLAS CHARLES WOOD AS TRUSTEE	904 641
138	10*47051.295.3	D	9-7-22	HAZEL ARIZONA MOORE REYNOLDS	904 632
139	10*47051.295.4	D	9-7-22	LLOYD D MOORE	904 459
140	10*47051.295.5	D	9-7-22	DALE R MOORE	904 635
141	10*47051.295.6	D	9-7-22	MARY I BURKHART	904 638
142	10*47051.295.7	D	9-7-22	JEANNE V MELCHIORI	904 462
143	10*47051.295.9	D	9-7-22	JAMES E HIMELRICK JR AND KAREN HIMELRICK	904 465
144	10*15957	E	9-7-30	RICKY L WHITLATCH ET AL	780 226
145	10*15957	F	9-7-30.1	RICKY L WHITLATCH ET AL	780 226
146	10*15901	G	9-7-13	RONALD AND EDNA MOORE	961 449
147	10*15957	H	9-7-15	RICKY L WHITLATCH ET AL	780 226
148	10*15958	I	9-7-14	ARNIE AND BOBBIE B GOODNIGHT	777 59
149	10*15900	J	9-7-6	JERRY FLETCHER AND CAROLYN FLETCHER, HUSBAND AND WIFE	661 154
150	10*15902	J	9-7-6	SHERWOOD YEATER	748 268
151	10*15958	K	9-7-5	ARNIE AND BOBBIE B GOODNIGHT	777 59
152	10*21588	L	9-5-3	WAYT LAWRENCE ALLEN	687 233
153	10*21591	L	9-5-3	BEATRICE ANN KIDD	687 230
154	10*15481	M	9-5-4	DEAN P RIGBY AND SUSAN RIGBY	908 197
155	10*15482	M	9-5-4	SUSAN NELSON	908 203
156	10*15994	M	9-5-4	IVAN F GORBY	695 527
157	10*15994	M	9-5-4	GORBY IVAN F	695 527
158	10*15995	M	9-5-4	JOSEPH D DAKAN	695 519
159	10*15995	M	9-5-4	DAKAN JOSEPH D	695 519
160	10*15996	M	9-5-4	JOHN E GORBY	695 523
161	10*15996	M	9-5-4	GORBY JOHN E	695 523
162	10*15997	M	9-5-4	KAREN S GAST	694 534
163	10*15997	M	9-5-4	GAST KAREN S	694 534
164	10*15998	M	9-5-4	ADA HAZEL GONTA	695 183
165	10*15998	M	9-5-4	GONTA ADA HAZEL	695 183
166	10*15999	M	9-5-4	PATSY JO RAJU	694 561
167	10*15999	M	9-5-4	RAJU PATSY JO	694 561
168	10*15686	M	9-5-4	JOHN OMER BOLTZ	908 160
169	10*15750	M	9-5-4	SANDRA K TRULL	908 229
170	10*16058	M	9-5-4	MATTIE RUTH JACKSON PRESCOTT	908 231
171	10*16118	M	9-5-4	RUBY RIDDLE JACKSON	908 233
172	10*16383	M	9-5-4	ROBERT STEPHEN DRIGGERS	908 224
173	10*16414	M	9-5-4	MARY ELIZABETH DRIGGERS	908 208
174	10*16416	M	9-5-4	CYNTHIA HUDSON	908 219
175	10*16424	M	9-5-4	ROBERT J RIGBY	908 241
176	10*16448	M	9-5-4	RALPH L AND JUANITA L CRIM	908 584
177	10*16478	M	9-5-4	MARION L AND EMILY CAMPBELL	908 245
178	10*16514	M	9-5-4	ALEX R CAMPBELL & JOYCE A CAMPBELL	908 248
179	10*16515	M	9-5-4	ANNA MARIE JACKSON	908 251
180	10*16516	M	9-5-4	WILSON ANDREW JACKSON	908 253
181	10*16545	M	9-5-4	ROBERT G FOUNDS AND ELLEN FOUNDS	908 260
182	10*16662	M	9-5-4	RICHARD THOMAS MIMS & VICKIE J MIMS	908 263
183	10*16666	M	9-5-4	MICHAEL P PYLE	908 255
184	10*16667	M	9-5-4	CHARLES F PYLE AND GAIL ANN PYLE	908 266
185	10*16668	M	9-5-4	JACK I PYLE AND MERRILEE ANN PYLE	908 257
186	10*16669	M	9-5-4	JOHN S DAGO AND PATRICIA S DAGO	908 269
187	10*16686	M	9-5-4	CHERYLE M TRACEY	927 475
188	10*16688	M	9-5-4	SHERRYL PYLE BAIR	927 481
189	10*16689	M	9-5-4	JOHN C FOUNDS	927 478
190	10*16690	M	9-5-4	RICARDO ORTIZ	921 352
191	10*16720	M	9-5-4	DONNA ELAINE BRASKETT	921 152
192	10*16738	M	9-5-4	CHARLES A RINE AND RUTH K RINE	908 274
193	10*16747	M	9-5-4	WILLIAM DALE BRASKETT	921 96
194	10*16787	M	9-5-4	HERBERT B CAMPBELL & DONNA D CAMPBELL	942 451
195	10*16798	M	9-5-4	PATRICK A RANKIN AND ROBIN A RANKIN	921 364
196	10*16800	M	9-5-4	JAMES KENNETH JACKSON AND JULIE JACKSON	921 93
197	10*16802	M	9-5-4	CHRISTOPHER RICHARDSON AND TAMMY RICHARDSON	921 495
198	10*16804	M	9-5-4	WILLIAM N TAYLOR AND SHERRY D TAYLOR	921 510
199	10*16806	M	9-5-4	VIRGINIA WHITMAN TRUST DTD 7-25-1984 JON WHITMAN TRUSTEE	921 528
200	10*16807	M	9-5-4	DAVID TULLER AND SUSAN STORTS TULLER	921 513

FILE NO. 8655P11HUR5.dwg
 TEN HIGH 1N 11HU Rev7
 DATE JULY 21, 20 17
 REVISED SEPTEMBER 26, 2018, 20 18
 OPERATORS WELL NO. TEN HIGH 1N-11HU
 API WELL NO. 47 — 051 — 01960M00
 STATE COUNTY PERMIT
 HUA



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 1N LEASE
 UTICA UNIT - 537.97 AC±
 WELL 11HU
 TUG HILL OPERATING



05/17/2019

No.	Lease Name or No.	Tag	Parcel	Oil & Gas Royalty Owners	Deed Book/Page
201	10*16808	M	9-5-4	MICHAEL LORTIZ	921 349
202	10*16815	M	9-5-4	HAROLD W PYLE	921 357
203	10*16819	M	9-5-4	TERESA ORTIZ BIGGS	921 147
204	10*16821	M	9-5-4	SHEILA BRASKETT WEICHEY	921 516
205	10*16836	M	9-5-4	RICK A STORTS AND LENORE A STORTS	921 507
206	10*16837	M	9-5-4	TERRY L POFF AND THELMA A POFF	927 472
207	10*16838	M	9-5-4	ROBERT G FUNARI	821 82
208	10*16839	M	9-5-4	JAMES B FOUNDS AND LYNN M MOWERY	921 73
209	10*16863	M	9-5-4	TINA MOORE	921 334
210	10*16868	M	9-5-4	MICHAEL W STORTS AND JESSICA M STORTS	921 504
211	10*16879	M	9-5-4	MARK E STORTS AND LESLEY A STORTS	921 501
212	10*16880	M	9-5-4	BEVERLY ANN STORTS	921 498
213	10*16902	M	9-5-4	MARY BARCAW DUKE	921 105
214	10*16962	M	9-5-4	DENNIS P FLORY AND BARBARA EZELL FLORY	921 70
215	10*16976	M	9-5-4	LESTER G AND CONSTANCE B NICKOLSON	921 343
216	10*16977	M	9-5-4	JEREMY COCHENOUR	921 102
217	10*16987	M	9-5-4	LAURIE EZELL PERRY	921 355
218	10*16989	M	9-5-4	BRITTANY RICHARDSON	916 135
219	10*16991	M	9-5-4	MARYELLEN FOUNDS AND LAUREN FOUNDS	921 79
220	10*16996	M	9-5-4	THOMAS RANKIN	917 75
221	10*17130	M	9-5-4	CINDY L BARGER	921 137
222	10*17155	M	9-5-4	JESSE LEON JR AND TERESA GAIL EZELLE	921 118
223	10*17156	M	9-5-4	HENRI NELL JACKSON KENT BARNES	921 139
224	10*17157	M	9-5-4	JAMES N REEVES JR AND RITA M REEVES	921 367
225	10*17198	M	9-5-4	THOMAS G AND DIANE W BAYLESS	921 141
226	10*17205	M	9-5-4	SANDRA JEAN WILSON	921 524
227	10*17208	M	9-5-4	PATRICK S GALLAGHER AND JOYCE ANN FOUNDS	921 86
228	10*17274	M	9-5-4	DAVID H WILSON	921 474
229	10*17275	M	9-5-4	JOHN R REEVES AND MONA G REEVES	921 373
230	10*17276	M	9-5-4	BERTHA EZELL WYATT	921 526
231	10*17278	M	9-5-4	MICHAEL L EZELLE	921 121
232	10*17339	M	9-5-4	JOSEPH W FOUNDS	921 76
233	10*17377	M	9-5-4	MILTON HOWARD EZELLE JR AND EUZABETH A EZELLE	921 123
234	10*17416	M	9-5-4	ANDREW M ORTIZ	921 346
235	10*17438	M	9-5-4	DENNIS M WILSON	921 476
236	10*17440	M	9-5-4	KENDRA WALISA	927 484
237	10*17441	M	9-5-4	RALPH J WILSON	921 522
238	10*17442	M	9-5-4	SHANE ALLEN AND MENDY JEAN ALLEN	921 134
239	10*17443	M	9-5-4	MICHELLE MORROW-BACK	921 337
240	10*17444	M	9-5-4	KELLY FOUNDS CAMPBELL	921 99
241	10*17449	M	9-5-4	PHYLIS J BLAKE	921 150
242	10*17482	M	9-5-4	TERESA EZELLE RALYA AND DAVID L RALYA	927 487
243	10*17483	M	9-5-4	RICHARD I PYLE	921 359
244	10*17484	M	9-5-4	NELDA S JACKSON	921 330
245	10*17485	M	9-5-4	MARGIE ANN JACKSON ROBBINS GRAHAM	921 91
246	10*17526	M	9-5-4	JEFFREY L REEVES AND JODY L REEVES	921 370
247	10*17527	M	9-5-4	JAMES MICHAEL EZELL AND LUCILLE D EZELL	921 111
248	10*17538	M	9-5-4	CHERYL RANKIN-KING	952 160
249	10*17552	M	9-5-4	JOHN BEVACQUA AND PATRICIA A BEVACQUA	921 144
250	10*17554	M	9-5-4	MICHAEL T RANKIN	921 361
251	10*17561	M	9-5-4	ROGER L TYRELL AND KATHRYN L TYRELL	921 519
252	10*17564	M	9-5-4	JAMES RONALD NICKOLSON AND TRACEY E NICKOLSON	921 340
253	10*17565	M	9-5-4	JESSE ALLEN JACKSON AND ELIZABETH D JACKSON	921 327
254	10*17566	M	9-5-4	NATHAN P ERDOSSY AND BARBARA T ERDOSSY	921 108
255	10*17588	M	9-5-4	JAMES M JACKSON	921 325
256	10*17589	M	9-5-4	MARY CHRISTINE MCKENNA	921 332
257	10*17744	M	9-5-4	SAM PRESLEY EZELL	921 116
258	10*17983	M	9-5-4	HOLLY SUE CUTHBERT	925 380
259	10*18021	M	9-5-4	CHRISTOPHER A HANIFAN AND JACKIE F HANIFAN	927 267
260	10*18022	M	9-5-4	DALE P WARD AND CYNTHIA J WARD	927 264
261	10*19524	M	9-5-4	THE ESTATE OF AGNES IRENE EZELL CLARK BY DAVID M EDWARDS, EXECUTOR	942 633
262	10*19692	M	9-5-4	KENDRA WALISA	924 484
263	10*19693	M	9-5-4	MARIO R FUNARI AIF ROBERT G FUNARI	936 145
264	10*19695	M	9-5-4	VIRGINIA P FOUNDS KASSERMAN ET	944 333
265	10*19939	M	9-5-4	ROBERT J MILLS & SHERRA SUE MILLS	949 212
266	10*47051.223.1	M	9-5-4	STORCH JEAN A AIF JOHN HERMAN STORCH	877 216
267	10*47051.223.15	M	9-5-4	LARRY D TAUNT AND NANCY L TAUNT	908 14
268	10*47051.223.2	M	9-5-4	SCHIEFER STEPHANIE L ET VIR	885 321
269	10*47051.223.20	M	9-5-4	BARBARA A BUZZARD	908 24
270	10*47051.223.21	M	9-5-4	GARY T WARD AND SHARON D WARD	908 19
271	10*47051.223.24	M	9-5-4	JO DEE K DAVIS	908 136
272	10*47051.223.25	M	9-5-4	JOANNE WELCH	908 141
273	10*47051.223.26	M	9-5-4	WENDY L SMARKEL	908 69
274	10*47051.223.27	M	9-5-4	TIMI J HOBBS	908 277
275	10*47051.223.3	M	9-5-4	LEADBETTER ROBERT A ET UX	885 324
276	10*47051.223.30	M	9-5-4	LAURIE DRIGGERS MANDERSON	908 165
277	10*47051.223.33	M	9-5-4	NANCY C HOUSLEY	908 187
278	10*47051.223.35	M	9-5-4	DEBRA L CIAFFAGLIONE	908 192
279	10*47051.223.6	M	9-5-4	JOSHUA RINE AND REBECCA RINE	907 634
280	10*15481	N	9-5-5.4	DEAN P RIGBY AND SUSAN RIGBY	908 197
281	10*15482	N	9-5-5.4	SUSAN NELSON	908 203
282	10*15668	N	9-5-5.4	MICHAEL J SNYDER	865 186
283	10*15668	N	9-5-5.4	MICHAEL J SNYDER	865 186
284	10*15686	N	9-5-5.4	JOHN OMER BOLTZ	908 160
285	10*15750	N	9-5-5.4	SANDRA K TRULL	908 229
286	10*16058	N	9-5-5.4	MATTIE RUTH JACKSON PRESCOTT	908 231
287	10*16118	N	9-5-5.4	RUBY RIDDLE JACKSON	908 233
288	10*16383	N	9-5-5.4	ROBERT STEPHEN DRIGGERS	908 224
289	10*16414	N	9-5-5.4	MARY ELIZABETH DRIGGERS	908 208
290	10*16416	N	9-5-5.4	CYNTHIA HUDSON	908 219
291	10*16424	N	9-5-5.4	ROBERT J RIGBY	908 241
292	10*16448	N	9-5-5.4	RALPH L AND JUANITA L CRIM	908 584
293	10*16478	N	9-5-5.4	MARION LAND EMILY CAMPBELL	908 245
294	10*16514	N	9-5-5.4	ALEX R CAMPBELL & JOYCE A CAMPBELL	908 248
295	10*16515	N	9-5-5.4	ANNA MARIE JACKSON	908 251
296	10*16516	N	9-5-5.4	WILSON ANDREW JACKSON	908 253
297	10*16662	N	9-5-5.4	RICHARD THOMAS MIMS & VICKIE J MIMS	908 263
298	10*16738	N	9-5-5.4	CHARLES A RINE AND RUTH K RINE	908 274
299	10*16787	N	9-5-5.4	HERBERT B CAMPBELL & DONNA D CAMPBELL	942 451
300	10*16800	N	9-5-5.4	JAMES KENNETH JACKSON AND JULIE JACKSON	921 93

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 TEN HIGH 1N 11HU Rev7

DATE JULY 21, 2017

REVISED SEPTEMBER 26, 2018, 2018

OPERATORS WELL NO. TEN HIGH 1N-11HU

API WELL NO. 47 - 051 - 01960
 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 1N LEASE
 UTICA UNIT - 537.97 AC±
 WELL 11HU
 TUG HILL OPERATING



05/17/2019

No.	Lease Name or No.	Tag	Parcel	Oil & Gas Royalty Owners	Deed Book/Page
301	10*16806	N	9-5-5.4	VIRGINIA WHITMAN TRUST DTD 7-25-1984 JON WHITMAN TRUSTEE	921 528
302	10*16952	N	9-5-5.4	DENNIS P FLORY AND BARBARA EZELL FLORY	921 70
303	10*16976	N	9-5-5.4	LESTER G AND CONSTANCE B NICKOLSON	921 343
304	10*16987	N	9-5-5.4	LAURIE EZELL PERRY	921 355
305	10*17130	N	9-5-5.4	CINDY L BARGER	921 137
306	10*17155	N	9-5-5.4	JESSE LEON JR AND TERESA GAIL EZELLE	921 118
307	10*17156	N	9-5-5.4	HENRI NELL JACKSON KENT BARNES	921 139
308	10*17157	N	9-5-5.4	JAMES N REEVES JR AND RITA M REEVES	921 367
309	10*17198	N	9-5-5.4	THOMAS G AND DIANE W BAYLESS	921 141
310	10*17205	N	9-5-5.4	SANDRA JEAN WILSON	921 524
311	10*17274	N	9-5-5.4	DAVID H WILSON	921 474
312	10*17275	N	9-5-5.4	JOHN R REEVES AND MONA G REEVES	921 373
313	10*17276	N	9-5-5.4	BERTHA EZELL WYATT	921 526
314	10*17278	N	9-5-5.4	MICHAEL L EZELLE	921 121
315	10*17377	N	9-5-5.4	MILTON HOWARD EZELLE JR AND ELIZABETH A EZELLE	921 123
316	10*17438	N	9-5-5.4	DENNIS M WILSON	921 476
317	10*17441	N	9-5-5.4	RALPH J WILSON	921 522
318	10*17449	N	9-5-5.4	PHYLLIS J BLAKE	921 150
319	10*17482	N	9-5-5.4	TERESA EZELLE RALYA AND DAVID L RALYA	927 487
320	10*17484	N	9-5-5.4	NELDA S JACKSON	921 330
321	10*17485	N	9-5-5.4	MARGIE ANN JACKSON ROBBINS GRAHAM	921 91
322	10*17526	N	9-5-5.4	JEFFREY L REEVES AND JODY L REEVES	921 370
323	10*17527	N	9-5-5.4	JAMES MICHAEL EZELL AND LUCILLE D EZELL	921 111
324	10*17561	N	9-5-5.4	ROGER L TYRELL AND KATHRYN L TYRELL	921 519
325	10*17564	N	9-5-5.4	JAMES RONALD NICKOLSON AND TRACEY E NICKOLSON	921 340
326	10*17565	N	9-5-5.4	JESSE ALLEN JACKSON AND ELIZABETH D JACKSON	921 327
327	10*17566	N	9-5-5.4	NATHAN P ERDOSSY AND BARBARA T ERDOSSY	921 108
328	10*17588	N	9-5-5.4	JAMES M JACKSON	921 325
329	10*17589	N	9-5-5.4	MARY CHRISTINE MCKENNA	921 332
330	10*17744	N	9-5-5.4	SAM PRESLEY EZELL	921 116
331	10*17983	N	9-5-5.4	HOLLY SUE CUTHBERT	925 380
332	10*18021	N	9-5-5.4	CHRISTOPHER A HANIFAN AND JACKIE F HANIFAN	927 267
333	10*18022	N	9-5-5.4	DALE P WARD AND CYNTHIA J WARD	927 254
334	10*19524	N	9-5-5.4	THE ESTATE OF AGNES IRENE EZELL CLARK BY DAVID M EDWARDS, EXECUTOR	942 633
335	10*19695	N	9-5-5.4	VIRGINIA P FOUNDS KASSERMAN ET	944 333
336	10*19939	N	9-5-5.4	ROBERT J MILLS & SHERRA SUE MILLS	949 212
337	10*47051.223.1	N	9-5-5.4	JEAN ANNE GORBY STORCH AIF JOHN HERMAN STORCH	877 216
338	10*47051.223.15	N	9-5-5.4	LARRY D TAUNT AND NANCY L TAUNT	908 14
339	10*47051.223.2	N	9-5-5.4	STEPHANIE SCHIEFER AND GEOFFREY SCHIEFER	885 321
340	10*47051.223.20	N	9-5-5.4	BARBARA A BUZZARD	908 24
341	10*47051.223.21	N	9-5-5.4	GARY T WARD AND SHARON D WARD	908 19
342	10*47051.223.24	N	9-5-5.4	JO DEE K DAVIS	908 136
343	10*47051.223.25	N	9-5-5.4	JOANNE WELCH	908 141
344	10*47051.223.26	N	9-5-5.4	WENDY L SMARKEL	908 69
345	10*47051.223.27	N	9-5-5.4	TIMI J HOBBS	908 277
346	10*47051.223.29	N	9-5-5.4	PATSY JO RAJU	908 155
347	10*47051.223.3	N	9-5-5.4	ROBERT A LEADBETTER AND M REBECCA LEADBETTER	885 324
348	10*47051.223.30	N	9-5-5.4	LAURIE DRIGGERS MANDERSON	908 165
349	10*47051.223.33	N	9-5-5.4	NANCY C HOUSLEY	908 187
350	10*47051.223.35	N	9-5-5.4	DEBRA L CIAFFAGLIONE	908 192
351	10*47051.223.6	N	9-5-5.4	JOSHUA RINE AND REBECCA RINE	907 634
352	10*15481	O	9-5-18	DEAN P RIGBY AND SUSAN RIGBY	908 197
353	10*15482	O	9-5-18	SUSAN NELSON	908 203
354	10*15674	O	9-5-18	DONALD F LEACH ET AL	882 209
355	10*15686	O	9-5-18	JOHN OMER BOLTZ	908 160
356	10*15750	O	9-5-18	SANDRA K TRULL	908 229
357	10*16058	O	9-5-18	MATTIE RUTH JACKSON PRESCOTT	908 231
358	10*16118	O	9-5-18	RUBY RIDDLE JACKSON	908 233
359	10*16383	O	9-5-18	ROBERT STEPHEN DRIGGERS	908 224
360	10*16414	O	9-5-18	MARY ELIZABETH DRIGGERS	908 208
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362	10*16424	O	9-5-18	ROBERT J RIGBY	908 241
363	10*16448	O	9-5-18	RALPH L AND JUANITA L CRIM	908 584
364	10*16478	O	9-5-18	MARION L AND EMILY CAMPBELL	908 245
365	10*16514	O	9-5-18	ALEX R CAMPBELL & JOYCE A CAMPBELL	908 248
366	10*16515	O	9-5-18	ANNA MARIE JACKSON	908 251
367	10*16516	O	9-5-18	WILSON ANDREW JACKSON	908 253
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369	10*16738	O	9-5-18	CHARLES A RINE AND RUTH K RINE	908 274
370	10*16787	O	9-5-18	HERBERT B CAMPBELL & DONNA D CAMPBELL	942 451
371	10*16800	O	9-5-18	JAMES KENNETH JACKSON AND JULIE JACKSON	921 93
372	10*16806	O	9-5-18	VIRGINIA WHITMAN TRUST DTD 7-25-1984 JON WHITMAN TRUSTEE	921 528
373	10*16962	O	9-5-18	DENNIS P FLORY AND BARBARA EZELL FLORY	921 70
374	10*16976	O	9-5-18	LESTER G AND CONSTANCE B NICKOLSON	921 343
375	10*16987	O	9-5-18	LAURIE EZELL PERRY	921 355
376	10*17130	O	9-5-18	CINDY L BARGER	921 137
377	10*17155	O	9-5-18	JESSE LEON JR AND TERESA GAIL EZELLE	921 118
378	10*17156	O	9-5-18	HENRI NELL JACKSON KENT BARNES	921 139
379	10*17157	O	9-5-18	JAMES N REEVES JR AND RITA M REEVES	921 367
380	10*17198	O	9-5-18	THOMAS G AND DIANE W BAYLESS	921 141
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382	10*17274	O	9-5-18	DAVID H WILSON	921 474
383	10*17275	O	9-5-18	JOHN R REEVES AND MONA G REEVES	921 373
384	10*17276	O	9-5-18	BERTHA EZELL WYATT	921 526
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390	10*17482	O	9-5-18	TERESA EZELLE RALYA AND DAVID L RALYA	927 487
391	10*17484	O	9-5-18	NELDA S JACKSON	921 330
392	10*17485	O	9-5-18	MARGIE ANN JACKSON ROBBINS GRAHAM	921 91
393	10*17526	O	9-5-18	JEFFREY L REEVES AND JODY L REEVES	921 370
394	10*17527	O	9-5-18	JAMES MICHAEL EZELL AND LUCILLE D EZELL	921 111
395	10*17561	O	9-5-18	ROGER L TYRELL AND KATHRYN L TYRELL	921 519
396	10*17564	O	9-5-18	JAMES RONALD NICKOLSON AND TRACEY E NICKOLSON	921 340
397	10*17565	O	9-5-18	JESSE ALLEN JACKSON AND ELIZABETH D JACKSON	921 327
398	10*17566	O	9-5-18	NATHAN P ERDOSSY AND BARBARA T ERDOSSY	921 108
399	10*17588	O	9-5-18	JAMES M JACKSON	921 325
400	10*17589	O	9-5-18	MARY CHRISTINE MCKENNA	921 332

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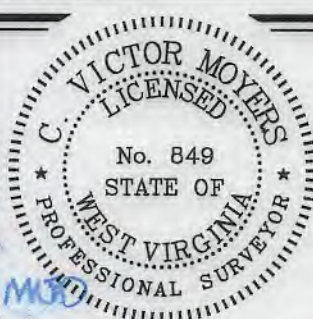
TEN HIGH 1N 11HU Rev7

DATE JULY 21, 20 17

REVISED SEPTEMBER 26, 2018, 20 18

OPERATORS WELL NO. TEN HIGH 1N-11HU

API WELL NO. 47 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

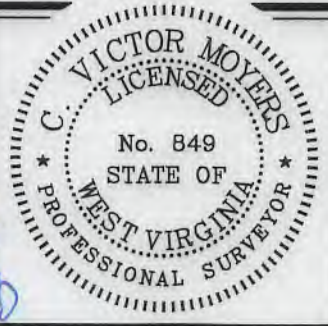
TEN HIGH 1N LEASE
 UTICA UNIT - 537.97 AC±
 WELL 11HU
 TUG HILL OPERATING



05/17/2019

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402	10*17983	O	9-5-18	HOLLY SUE CUTHBERT	925 380
403	10*18021	O	9-5-18	CHRISTOPHER A HANIFAN AND JACKIE F HANIFAN	927 267
404	10*18022	O	9-5-18	DALE P WARD AND CYNTHIA J WARD	927 264
405	10*19524	O	9-5-18	THE ESTATE OF AGNES IRENE EZELL CLARK BY DAVID M EDWARDS, EXECUTOR	942 633
406	10*19695	O	9-5-18	VIRGINIA P FOUNDS KASSERMAN ET	944 333
407	10*19939	O	9-5-18	ROBERT J MILLS & SHERRA SUE MILLS	949 212
408	10*47051.223.1	O	9-5-18	JEAN ANNE GORBY STORCH AIF JOHN HERMAN STORCH	877 216
409	10*47051.223.15	O	9-5-18	LARRY D TAUNT AND NANCY L TAUNT	908 14
410	10*47051.223.2	O	9-5-18	STEPHANIE SCHIEFER AND GEOFFREY SCHIEFER	885 321
411	10*47051.223.20	O	9-5-18	BARBARA A BUZZARD	908 24
412	10*47051.223.21	O	9-5-18	GARY T WARD AND SHARON D WARD	908 19
413	10*47051.223.24	O	9-5-18	JO DEE K DAVIS	908 136
414	10*47051.223.25	O	9-5-18	JOANNE WELCH	908 141
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418	10*47051.223.3	O	9-5-18	ROBERT A LEADBETTER AND M REBECCA LEADBETTER	885 324
419	10*47051.223.30	O	9-5-18	LAURIE DRIGGERS MANDERSON	908 165
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424	10*15482	P	9-5-17	SUSAN NELSON	908 203
425	10*15522	P	9-5-17	CARLA S CROW	728 412
426	10*15686	P	9-5-17	JOHN OMER BOLTZ	908 160
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465	10*17527	P	9-5-17	JAMES MICHAEL EZELL AND LUCILLE D EZELL	921 111
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471	10*17589	P	9-5-17	MARY CHRISTINE MCKENNA	921 332
472	10*17744	P	9-5-17	SAM PRESLEY EZELL	921 116
473	10*17983	P	9-5-17	HOLLY SUE CUTHBERT	925 380
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479	10*47051.223.1	P	9-5-17	JEAN ANNE GORBY STORCH AIF JOHN HERMAN STORCH	877 216
480	10*47051.223.15	P	9-5-17	LARRY D TAUNT AND NANCY L TAUNT	908 14
481	10*47051.223.2	P	9-5-17	STEPHANIE SCHIEFER AND GEOFFREY SCHIEFER	885 321
482	10*47051.223.20	P	9-5-17	BARBARA A BUZZARD	908 24
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494	10*15481	Q	9-5-5	DEAN P RIGBY AND SUSAN RIGBY	908 197
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498	10*15686	Q	9-5-5	JOHN OMER BOLTZ	908 160
499	10*15750	Q	9-5-5	SANDRA K TRULL	908 229
500	10*16058	Q	9-5-5	MATTIE RUTH JACKSON PRESCOTT	908 231

FILE NO. 8655P11HUR5.dwg
 TEN HIGH 1N 11HU Rev7
 DATE JULY 21, 20 17
 REVISED SEPTEMBER 26, 2018, 20 18
 OPERATORS WELL NO. TEN HIGH 1N-11HU
 API WELL NO. 47 — 051 — 01960 HGA
 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 1N LEASE
UTICA UNIT - 537.97 AC±
WELL 11HU
TUG HILL OPERATING**



05/17/2019

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565	10*47051.223.6	Q	9-5-5	JOSHUA RINE AND REBECCA RINE	907 634
566	10*15594	R	9-5-4.1	GORBY IVAN F	695 527
567	10*15595	R	9-5-4.1	DAKAN JOSEPH D	695 519
568	10*15596	R	9-5-4.1	GORBY JOHN E	695 523
569	10*15597	R	9-5-4.1	GAST KAREN S	694 534
570	10*15598	R	9-5-4.1	GONTA ADA HAZEL	695 183
571	10*15599	R	9-5-4.1	RAJU PATSY JO	694 561
572	47051.223.1	R	9-5-4.1	STORCH JEAN A AIF JOHN HERMAN STORCH	877 216
573	47051.223.2	R	9-5-4.1	SCHIEFER STEPHANIE LET VIR	885 321
574	47051.223.3	R	9-5-4.1	LEADBETTER ROBERT A ET UX	885 324
575	10*47051.223.1	S	9-5-5.3	JEAN ANNE GORBY STORCH AIF JOHN HERMAN STORCH	877 216
576	10*47051.223.2	S	9-5-5.3	STEPHANIE SCHIEFER AND GEOFFREY SCHIEFER	885 321
577	10*47051.223.3	S	9-5-5.3	ROBERT A LEADBETTER AND M REBECCA LEADBETTER	885 324
578	10*21696	T	9-5-6.5	DAKAN JOSEPH D	694 71
579	10*21698	T	9-5-6.5	RAJU PATSY JO	695 175
580	10*21718	T	9-5-6.5	LUNDA S DELBERT	695 187
581	10*47051.223.2	T	9-5-6.5	STEPHANIE SCHIEFER AND GEOFFREY SCHIEFER	885 321
582	10*47051.223.3	T	9-5-6.5	ROBERT A LEADBETTER AND M REBECCA LEADBETTER	885 324
583	10*21696	U	9-5-6.3	DAKAN JOSEPH D	694 71
584	10*21698	U	9-5-6.3	RAJU PATSY JO	695 175
585	10*47051.223.2	U	9-5-6.3	STEPHANIE SCHIEFER AND GEOFFREY SCHIEFER	885 321
586	10*47051.223.3	U	9-5-6.3	ROBERT A LEADBETTER AND M REBECCA LEADBETTER	885 324
587	10*21712	V	9-5-5.2	PETER PARKER	886 260
588	10*47051.223.1	V	9-5-5.2	JEAN ANNE GORBY STORCH AIF JOHN HERMAN STORCH	877 216
589	10*47051.223.2	V	9-5-5.2	STEPHANIE SCHIEFER AND GEOFFREY SCHIEFER	885 321
590	10*47051.223.3	V	9-5-5.2	ROBERT A LEADBETTER AND M REBECCA LEADBETTER	885 324
591	10*23864	W	9-1-14	STONE HILL MINERAL HOLDINGS	PENDING
592	10*23881	X	9-1-14.1	ALICE J MARTIN ET VIR	893 250
593	10*21696	Y	9-5-6	DAKAN JOSEPH D	694 71
594	10*21698	Y	9-5-6	RAJU PATSY JO AKA GORBY PATSY JO	695 175
595	10*21702	Y	9-5-6	NANCY L SNYDER	695 191
596	10*21696	Z	9-5-6.2	DAKAN JOSEPH D	694 71
597	10*21698	Z	9-5-6.2	RAJU PATSY JO AKA GORBY PATSY JO	695 175
598	10*47051.223.2	Z	9-5-6.2	STEPHANIE SCHIEFER AND GEOFFREY SCHIEFER	885 321
599	10*47051.223.3	Z	9-5-6.2	ROBERT A LEADBETTER AND M REBECCA LEADBETTER	885 324
600	10*24536	AA	(NOT ASSESSED)	MARSHALL COUNTY BOARD OF EDUCATION	1026 67
601	10*24536	BB	(NOT ASSESSED)	MARSHALL COUNTY BOARD OF EDUCATION	1026 67
602	10*23769	CC	9-1-23.2	ROBERT A. WILLIAMS & CHERYL L. WILLIAMS, HIS WIFE	1014 500
603	10*21695	DD	NOT ASSESSED	ROBERT A. WILLIAMS & CHERYL L. WILLIAMS, HIS WIFE	847 521

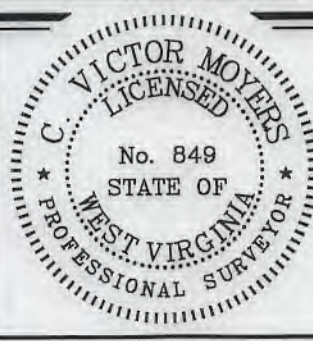
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DATE JULY 21, 20 17

REVISED SEPTEMBER 26, 2018, 20 18

OPERATORS WELL NO. TEN HIGH 1N-11HU

API WELL NO. 47 — 051 — 01960
STATE COUNTY PERMIT
H-6A MOD



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



P.S. 849 C. Victor Moyers

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COUNTY NAME PERMIT