



FILE NUMBER 163-697

DRAWING NUMBER HHU2_WP_1HM_Rev1

SCALE 1" = 1500'

MINIMUM DEGREE OF ACCURACY 1/2500

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

P.S. 849 *C. Victor Moyers*



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



DATE: OCTOBER 17, 2018
DATE REVISED: OCTOBER 17, 2019
OPERATORS WELL NO. Heaven Hill Unit 2-1HM As-Drilled

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

LOCATION ELEVATION 1331' WATERSHED (HUC 10) FISH CREEK
DISTRICT MEADE COUNTY MARSHALL
QUADRANGLE GLEN EASTON 7.5' LEASE NUMBER SEE ATTACHED PG 2 OF 2

SURFACE OWNER CHARLES R. HAGEDORN, JR., ET UX ACREAGE 203.074
OIL & GAS ROYALTY OWNER CHARLES R. HAGEDORN, JR., ET AL LEASE ACREAGE 596.894
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD 6,879' TMD:16,510'
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

14' (AS-DRILLED B.H.)
8,483'
AS-DRILLED T.H.

COUNTY NAME PERMIT

HEAVEN HILL UNIT 2-1HM
WELL PLAT LEASE INFORMATION

| Lease No. | Tag | Parcel | Oil & Gas Royalty Owner | Deed | |
|----------------|-----|----------|----------------------------------|---------|-----|
| | | | | Book/Pg | |
| 10*15505 | A | 9-7-3 | RALPH E. WELLMAN | 686 | 412 |
| 10*15521 | A | 9-7-3 | VENANGO 21ST CENTURY ENERGY INC | 722 | 281 |
| 10*15608 | A | 9-7-3 | CHARLES R HAGEDORN JR | 816 | 423 |
| 10*47051.073.1 | A | 9-7-3 | VENANGO 21ST CENTURY ENERGY INC | 888 | 618 |
| 10*47051.073.2 | A | 9-7-3 | PATRIOT RESTORATIONS LLC | 908 | 541 |
| 10*47051.073.3 | A | 9-7-3 | TRIENERGY HOLDINGS, LLC | 878 | 330 |
| 10*15665 | B | 9-7-1 | MICHAEL J RINE ET UX | 668 | 147 |
| 10*15667 | C | 9-7-19 | KEVIN E MCGILTON ET UX | 850 | 351 |
| 10*15560 | D | 9-11-6.2 | WILLIAM F KERNS ET UX | 677 | 561 |
| 10*15669 | D | 9-11-6.2 | EMMA ANDERSON | 861 | 586 |
| 10*15670 | D | 9-11-6.2 | GARY M BONAR | 861 | 577 |
| 10*15671 | D | 9-11-6.2 | JUDALENE K COLLUMS | 861 | 571 |
| 10*15672 | D | 9-11-6.2 | NAOMI HUPP | 861 | 604 |
| 10*47051.256.2 | D | 9-11-6.2 | CAROL JEAN ANDERSON | 879 | 299 |
| 10*47051.256.3 | D | 9-11-6.2 | BRENDA S DYKHOUSE | 881 | 148 |
| 10*47051.256.4 | D | 9-11-6.2 | GLEN A BONAR | 881 | 151 |
| 10*47051.256.5 | D | 9-11-6.2 | JERRY W ZIEN AND KATHLEEN E ZIEN | 882 | 530 |
| 10*15560 | D | 9-11-6.2 | WILLIAM F KERNS ET UX | 677 | 561 |
| 10*15669 | D | 9-11-6.2 | EMMA ANDERSON | 861 | 586 |
| 10*15670 | D | 9-11-6.2 | GARY M BONAR | 861 | 577 |
| 10*15671 | D | 9-11-6.2 | JUDALENE K COLLUMS | 861 | 571 |
| 10*15672 | D | 9-11-6.2 | NAOMI HUPP | 861 | 604 |
| 10*47051.256.2 | D | 9-11-6.2 | CAROL JEAN ANDERSON | 879 | 299 |
| 10*47051.256.3 | D | 9-11-6.2 | BRENDA S DYKHOUSE | 881 | 148 |
| 10*47051.256.4 | D | 9-11-6.2 | GLEN A BONAR | 881 | 151 |
| 10*47051.256.5 | D | 9-11-6.2 | JERRY W ZIEN AND KATHLEEN E ZIEN | 882 | 530 |
| 10*15584 | E | 9-11-5 | VICKIE MASON | 686 | 239 |
| 10*15585 | E | 9-11-5 | SHARON L WHETZEL | 687 | 147 |
| 10*15586 | E | 9-11-5 | MARY A SOUTH | 690 | 615 |
| 10*15587 | E | 9-11-5 | ROBERT L WHETZEL | 690 | 559 |
| 10*15588 | E | 9-11-5 | RAY A WHETZEL JR | 693 | 571 |
| 10*15589 | E | 9-11-5 | MARK L WHETZEL | 693 | 576 |
| 10*47051.108.1 | E | 9-11-5 | MICHAEL A WHETZEL | 885 | 51 |
| 10*47051.108.5 | E | 9-11-5 | BRENDA J WHETZEL | 885 | 55 |
| 10*47051.108.1 | F | 9-11-9 | MICHAEL A WHETZEL | 885 | 51 |
| 10*15582 | G | 9-11-10 | ROBERT L CLARK | 685 | 239 |

WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
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DESIGNATED AGENT DIANNA STAMPER
CT CORPORATION SYSTEM
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