



**SLS**  
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Solutions from the ground up.  
P.O. Box 150 • 12 Vinton Drive • Glenville, WV 26031 • (304) 462-5634  
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- 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 JULY, 2016.
  4. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
  5. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
  6. ROYALTY OWNERSHIP PROVIDED BY TUG HILL OPERATING, LLC.
  7. SURFACE OWNERSHIP WAS NOT ADDRESSED.
  8. PLAT UPDATED TO SHOW AS-DRILLED PATH.
  9. AS-DRILLED DATA PROVIDED BY TUG HILL OPERATING, LLC.

AS-DRILLED	
<b>SURFACE HOLE</b>	
UTM NAD'83, ZONE 17 (METER)	
N) 4,406,719.3	E) 524,577.3
UTM NAD'83, ZONE 17 (FEET)	
N) 14,457,711.6	E) 1,721,050.5
<b>LANDING POINT</b>	
UTM NAD'83, ZONE 17 (METER)	
N) 4,406,929.4	E) 524,694.2
UTM NAD'83, ZONE 17 (FEET)	
N) 14,458,440.8	E) 1,721,434.1
<b>BOTTOM HOLE</b>	
UTM NAD'83, ZONE 17 (METER)	
N) 4,404,471.9	E) 526,119.5
UTM NAD'83, ZONE 17 (FEET)	
N) 14,450,338.3	E) 1,726,110.5

**HEAVEN HILL UNIT 2-2HM**  
**727.624 ± ACRES**

LEGEND	
	LEASED TRACTS
	INTERIOR MINERAL TRACTS
	SURFACE TRACTS
	HARD LEASE LINE
	LEASE # (SEE PG 2)

NOTE: BORE PATH BASED ON GRID NORTH.

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER	163-697
DRAWING NUMBER	HHU-2HM-WP-2HM
SCALE	1" = 500'
MINIMUM DEGREE OF ACCURACY	1/50
PROVEN SOURCE OF ELEVATION	SUBMETER MAPPING
	GRADE GP

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 2-2HM As-Drilled

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

LOCATION ELEVATION 2501' WATERSHED (HUC 10) FISH CREEK

DISTRICT MEADE COUNTY MARSHALL

QUADRANGLE GREEN 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 727.624

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

TARGET FORMATION M. CELLUS ESTIMATED DEPTH TVD 6,929' TMD: 16,804'

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

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

COUNTY NAME PERMIT

HEAVEN HILL 2-2HM

LITHOLOGY/FORMATION	TOP DEPTH IN FT/ Name TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID
Maxton	1895	2067	1895	2068	Sandstone
Big Lime	2067	2199	2068	2200	Limestone
Big Injun	2199	2493	2200	2494	Sandstone
Weir	2493	2691	2494	2692	Sandstone
Berea	2691	2953	2692	2956	Sandstone
Gordon	2953	3038	2956	3042	Sandstone
Fifty Foot	3038	3620	3042	3660	Sandstone
Speechley	3620	5130	3660	5287	Sandstone
Benson	5130	5453	5287	5635	Sandstone
Alexander	5453	6075	5635	6297	Siltstone
Rhinestreet	6075	6590	6297	6852	Black shale
Middlesex	6590	6676	6852	6973	Black shale
Geneseo/Burkett	6676	6688	6973	6996	Black shale
Tully	6688	6723	6996	7056	Limestone
Hamilton	6723	6799	7056	7237	Grey shale
Marcellus	6799	-	7237	-	Black shale

RECEIVED  
Office of Oil and Gas  
JUN 10 2020  
WV Department of  
Environmental Protection

HEAVEN HILL UNIT 2-2HM  
WELL PLAT LEASE INFORMATION

Lease No.	Tract	Parcel	OIL & GAS ROYALTY OWNER	DEED BOOK	DEED PAGE
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*47051.255.0	B	9-6-7	SCOTT C & CAROLYN R HARRIS	879	296
10*15665	C	9-7-1	MICHAEL J RINE ET UX	668	147
10*15667	D	9-7-19	KEVIN E MCGILTON ET UX	850	351
10*15560	E	9-11-6.2	WILLIAM F KERNS ET UX	677	561
10*47051.256.2	E	9-11-6.2	CAROL JEAN ANDERSON	879	299
10*47051.256.3	E	9-11-6.2	BRENDA S DYKHOUSE	881	148
10*47051.256.4	E	9-11-6.2	GLEN A BONAR	881	151
10*16517	F	9-11-4	RHDK INVESTMENTS	907	550
10*15584	G	9-11-5	VICKIE MASON	686	239
10*15585	G	9-11-5	SHARON L WHETZAL	687	147
10*15586	G	9-11-5	MARY A SOUTH	690	615
10*15587	G	9-11-5	ROBERT L WHETZAL	690	559
10*15588	G	9-11-5	RAY A WHETZAL JR	693	571
10*15589	G	9-11-5	MARK L WHETZAL	693	576
10*47051.108.1	G	9-11-5	MICHAEL A WHETZEL	885	51
10*47051.108.5	G	9-11-5	BRENDA J WHETZEL	885	55
10*15604	H	9-11-13	HAYHURST COMPANY A FLORIDA PARTNERSHIP	724	8

WELL OPERATOR TUC 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