

SLS
Land & Energy Development
 Solutions from the ground up.
 P.O. Box 190 • 12 Vachon Drive • Glenview, WV 26031 • (304) 462-5634
 www.sls.com

AS-DRILLED	
SURFACE HOLE	UTM NAD'83, ZONE 17 (METER) N) 4,406,713.2 E) 524,572.7 UTM NAD'83, ZONE 17 (FEET) N) 14,457,691.6 E) 1,721,035.5
LANDING POINT	UTM NAD'83, ZONE 17 (METER) N) 4,406,640.5 E) 524,597.9 UTM NAD'83, ZONE 17 (FEET) N) 14,457,453.1 E) 1,721,118.2
BOTTOM HOLE	UTM NAD'83, ZONE 17 (METER) N) 4,404,400.7 E) 525,872.6 UTM NAD'83, ZONE 17 (FEET) N) 14,450,104.7 E) 1,725,300.3

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

- NOTES**
- BORE PATH BASED ON GRID NORTH.
 - NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
 - OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN JULY, 2016.
 - COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 - WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
 - ROYALTY OWNERSHIP PROVIDED BY TUG HILL OPERATING, LLC.
 - SURFACE OWNERSHIP WAS NOT ADDRESSED.
 - PLAT UPDATED TO SHOW AS-DRILLED PATH.
 - AS-DRILLED DATA PROVIDED BY TUG HILL OPERATING, LLC.
 - TOP HOLE OR LATERAL OF HEAVEN HILL UNIT 2-7HU IS WITHIN 3000' OF THE FOLLOWING:
 HEAVEN HILL UNIT 2-6HU (47-051-01910),
 HEAVEN HILL UNIT 2-8HU (47-051-01912),
 HEAVEN HILL 2W-12HU (47-051-01952),
 HEAVEN HILL 2W-13HU (47-051-01957),
 HEAVEN HILL 3N-10HU (47-051-02016),
 HEAVEN HILL 3-6HU (47-051-01968),
 KEITH STERN N-13HU (PROPOSED),
 KEITH STERN N-14HU (47-051-02252),
 KEITH STERN N-15HU (47-051-02241),
 KEITH STERN N-16HU (47-051-02242).

FILE NUMBER 163-697

DRAWING NUMBER HHU2_WP_7HU

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 REVISED: SEPTEMBER 6, 2019

OPERATORS WELL NO. Heaven Hill Unit 2-7HU As-Drilled

API WELL NO. 47-051-01911

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 AND 3

SURFACE OWNER CHARLES R. HAGEDORN, JR., ET UX ACREAGE 203.074

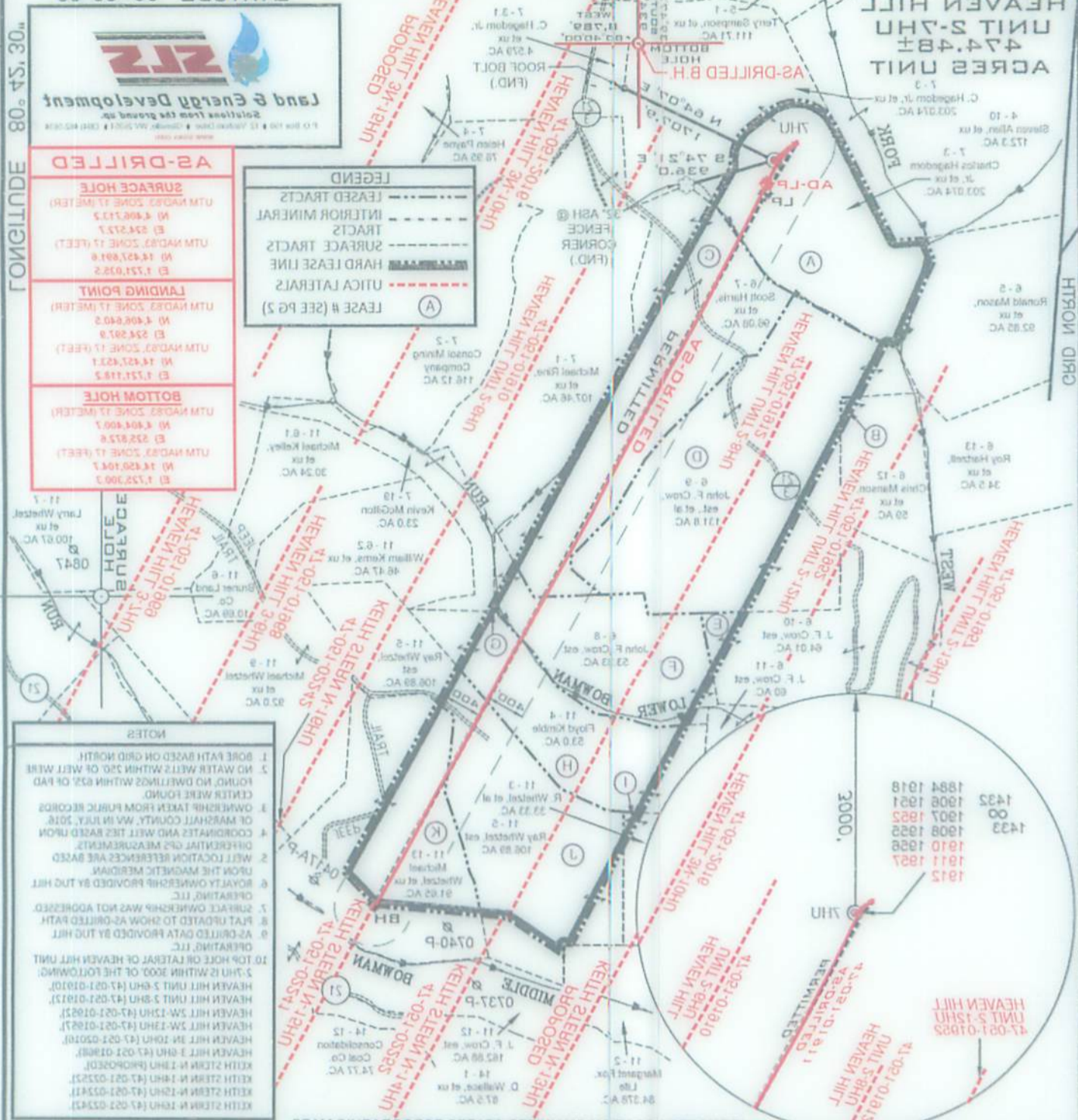
OIL & GAS ROYALTY OWNER CHARLES R. HAGEDORN, JR., ET AL LEASE ACREAGE 501.42 UNIT

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

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD 11,784' TMD 20,420'

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



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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

C. Victor Molyers

P.S. 849

FILE NUMBER	163-697
DRAWING NUMBER	HHU2_WP_7HU
SCALE	1" = 150'
MINIMUM DEGREE OF ACCURACY	1/2500
PROVEN SOURCE OF ELEVATION	SUBMETER MAPPING
	GRADE GPS

DATE: OCTOBER 17, 2018 revised: SEPTEMBER 6, 2019
 OPERATORS WELL NO. Heaven Hill Unit 2-7HU 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 75' LEASE NUMBER SEE ATTACHED PG 2 AND 3

SURFACE OWNER CHARLES R. HAGEDORN, JR., ET UX ACREAGE 203.074

OIL & GAS ROYALTY OWNER CHARLES R. HAGEDORN, JR., ET AL LEASE ACREAGE 501.42 UNIT

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REBELL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORM NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY)

TARGET FORMATION POINT PLEASANT

WELL OPERATOR TUG HILL OPERATING, LLC
 1320 SOUTH UNIVERSITY DRIVE, SUITE 200
 FORT WORTH, TX 76107

DESIGNATED AGENT CT CORPORATION SYSTEM
 DIANNA STAMPER
 Address 5400 D BIG TYLER ROAD
 CHARLESTON, WV 25213

ESTIMATED DEPTH TVD 11,784' TMD 20,450'
 PLUG & ABANDON CLEAN OUT & REPLUG

COUNTY NAME PERMIT

HEAVEN HILL UNIT 2-7HU
WELL PLAT LEASE INFORMATION

Lease No.	Tag	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*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*15525	B	9-6-12	RONALD KEITH MASON ET UX	772	445
10*15541	B	9-6-12	MARY RUTH FROHNAPFEL	781	312
10*15542	B	9-6-12	KENNETH D SIBURT	781	218
10*15543	B	9-6-12	SANDRA FROWEN	781	307
10*15544	B	9-6-12	VICKI J CHERRY A/K/A VICKIE L CHERRY	793	318
10*15545	B	9-6-12	JAMES B SIBURT ET UX	793	332
10*15546	B	9-6-12	ALAN K SIBURT ET UX	793	325
10*15547	B	9-6-12	RODNEY L SIBURT	793	346
10*47051.255.0	C	9-6-7	SCOTT C & CAROLYN R HARRIS	879	296
10*15510	D	9-6-9	ELAINE PHELPS ET VIR	718	326
10*15511	D	9-6-9	DAVID E CROW	718	376
10*15512	D	9-6-9	FRANCES COFFEY	718	378
10*15513	D	9-6-9	KAY KEYES	718	330
10*15514	D	9-6-9	L PAUL CROW	718	336
10*15515	D	9-6-9	DESIRE L CROW	718	334
10*15516	D	9-6-9	ROSE MARIE KIELGCZEWSKI	718	354
10*15517	D	9-6-9	DIANNE GELLNER & GARY GELLNER	718	345
10*15518	D	9-6-9	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	718	347
10*15519	D	9-6-9	JOHN CROW	726	580
10*15520	D	9-6-9	TIMOTHY CROW	726	582
10*47051.123.1	D	9-6-9	LLOYD G BAKER	865	389
10*47051.123.2	D	9-6-9	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	873	143
10*15510	E	9-6-10	ELAINE PHELPS ET VIR	718	326
10*15511	E	9-6-10	DAVID E CROW	718	376
10*15512	E	9-6-10	FRANCES COFFEY	718	378
10*15513	E	9-6-10	KAY KEYES	718	330
10*15514	E	9-6-10	L PAUL CROW	718	336
10*15515	E	9-6-10	DESIRE L CROW	718	334
10*15516	E	9-6-10	ROSE MARIE KIELGCZEWSKI	718	354
10*15517	E	9-6-10	DIANNE GELLNER & GARY GELLNER	718	345
10*15518	E	9-6-10	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	718	347
10*15519	E	9-6-10	JOHN CROW	726	580
10*15520	E	9-6-10	TIMOTHY CROW	726	582
10*47051.123.1	E	9-6-10	LLOYD G BAKER	865	389
10*47051.123.2	E	9-6-10	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	873	143
10*15510	F	9-6-8	ELAINE PHELPS ET VIR	718	326
10*15511	F	9-6-8	DAVID E CROW	718	376
10*15512	F	9-6-8	FRANCES COFFEY	718	378
10*15513	F	9-6-8	KAY KEYES	718	330
10*15514	F	9-6-8	L PAUL CROW	718	336
10*15515	F	9-6-8	DESIRE L CROW	718	334
10*15516	F	9-6-8	ROSE MARIE KIELGCZEWSKI	718	354
10*15517	F	9-6-8	DIANNE GELLNER & GARY GELLNER	718	345
10*15518	F	9-6-8	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	718	347
10*15519	F	9-6-8	JOHN CROW	726	580
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WELL OPERATOR TUG HILL OPERATING, LLC
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DESIGNATED AGENT DIANNA STAMPER
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ADDRESS 5400 D BIG TYLER ROAD
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**HEAVEN HILL UNIT 2-7HU
WELL PLAT LEASE INFORMATION**

Lease No.	Tag	Parcel	Oil & Gas Royalty Owner	Deed Book	Deed Page
10*15667	G	9-7-19	KEVIN E MCGILTON ET UX	850	351
10*16517	H	9-11-4	RHDK INVESTMENTS	907	550
10*15561	I	9-11-3	VICKIE MASON	680	413
10*15562	I	9-11-3	MARY A SOUTH	682	231
10*15563	I	9-11-3	MARK L WHETZAL	682	544
10*15564	I	9-11-3	RAY A WHETZAL JR	682	548
10*15565	I	9-11-3	ROBERT L WHETZAL	682	552
10*15566	I	9-11-3	SHARON L WHETZAL	682	556
10*47051.108.1	I	9-11-3	MICHAEL A WHETZEL	885	51
10*47051.108.5	I	9-11-3	BRENDA J WHETZEL	885	55
10*47051.108.6	I	9-11-3	TERRI MCCARDLE	985	23
10*47051.108.7	I	9-11-3	GARY FRANCIS WHETZAL	895	26
10*15584	J	9-11-5	VICKIE MASON	686	239
10*15585	J	9-11-5	SHARON L WHETZAL	687	147
10*15586	J	9-11-5	MARY A SOUTH	690	615
10*15587	J	9-11-5	ROBERT L WHETZAL	690	559
10*15588	J	9-11-5	RAY A WHETZAL JR	693	571
10*15589	J	9-11-5	MARK L WHETZAL	693	576
10*47051.108.1	J	9-11-5	MICHAEL A WHETZEL	885	51
10*47051.108.5	J	9-11-5	BRENDA J WHETZEL	885	55
10*16258	K	9-11-13	CHESTNUT HOLDINGS INC	848	220

RECEIVED
Office of Oil and Gas

JUL 10 2020

WV Department of
Environmental Protection

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