

HEAVEN HILL 2W LEASE
WELL 9HM
TUG HILL OPERATING

B.H.

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

NAD'83 S.P.C.(FT) N. 479,510.20 E. 1,627,787.33
NAD'83 GEO. LAT (N) 39.810184 LONG (W) 80.712874
NAD'83 UTM (M) N. 4,406,729.24 E. 524,576.73

LANDING POINT

NAD'83 S.P.C.(FT) N. 478,648.5 E. 1,625,610.3
NAD'83 GEO. LAT (N) 39.807737 LONG (W) 80.720581
NAD'83 UTM (M) N. 4,406,455.6 E. 523,917.9

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 470,985.0 E. 1,629,856.9
NAD'83 GEO. LAT (N) 39.786858 LONG (W) 80.705101
NAD'83 UTM (M) N. 4,404,142.5 E. 525,250.6

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'
3. ROYALTY OWNERSHIP PROVIDED BY TUG HILL OPERATING, LLC.
4. SURFACE OWNERSHIP PROVIDED WAS NOT ADDRESSED
5. AS-DRILLED DATA PROVIDED BY TUG HILL OPERATING, LLC.
6. PLAT UPDATED TO SHOW AS-DRILLED PATH.

Lease Name or No.	Tag	Parcel	Grantor, lessor, etc.	Deed Book/Page
10*15521	A	9-7-3	VENANGO 21ST CENTURY ENERGY INC.	722/ 281
10*15508	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	TRIENFRIG HOLDINGS, LLC	878/ 330
10*17229	B	9-4-10	STEPHEN MENNDEZ	913/ 56
10*15561	C	9-6-5	CHRISTIE HOLDINGS LLC	819/ 170
10*15507	D	9-6-13	RAY C. HARTZELL AND CAROL J. HARTZELL, HUSBAND	689/ 162
10*15510	E	9-6-9	ELAINE PHELPS ET VIR	718/ 326
10*15511	E	9-6-9	DAVID E CROW	718/ 376
10*15512	E	9-6-9	FRANCES COFFEY	718/ 378
10*15513	E	9-6-9	KAY KEYES	718/ 330
10*15514	E	9-6-9	L PAUL CROW	718/ 336
10*15515	E	9-6-9	DESIRE L CROW	718/ 334
10*15516	E	9-6-9	ROSE MARIE KELGCEWSKI	718/ 354
10*15517	E	9-6-9	DIANNE GELLNER & GARY GELLNER	718/ 345
10*15518	E	9-6-9	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	718/ 347
10*15519	E	9-6-9	JOHN CROW	726/ 580
10*15520	E	9-6-9	TIMOTHY CROW	726/ 582
10*47051.123.1	E	9-6-9	LLOYD G BAKER	865/ 389
10*47051.123.2	E	9-6-9	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	873/ 143
10*15525	F	9-6-12	RONALD KEITH MASON ET UX	772/ 445
10*15541	F	9-6-12	MARY RUTH FROMMAPP	781/ 312
10*15542	F	9-6-12	KENNETH D SIBURT	781/ 218
10*15543	F	9-6-12	SANDRA FROWEN	781/ 307
10*15544	F	9-6-12	VICKIE L CHERRY A/K/A VICKIE L CHERRY	793/ 318
10*15545	F	9-6-12	JAMES B SIBURT ET UX	793/ 332
10*15546	F	9-6-12	ALAN K SIBURT ET UX	793/ 325
10*15547	F	9-6-12	RODNEY L SIBURT	793/ 346
10*15510	G	9-6-10	ELAINE PHELPS ET VIR	718/ 326
10*15511	G	9-6-10	DAVID E CROW	718/ 376
10*15512	G	9-6-10	FRANCES COFFEY	718/ 378
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10*47051.123.2	H	9-10-11	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	873/ 143
10*15517	I	9-11-4	RHOK INVESTMENTS LLC KEITH B KIMBLE	907/ 520
10*15561	J	9-11-3	VICKIE MASON	680/ 413
10*15562	J	9-11-3	MARY A SOUTH	682/ 231
10*15563	J	9-11-3	MARK L WHETZAL	687/ 544
10*15564	J	9-11-3	RAY A WHETZAL JR	682/ 548
10*15565	J	9-11-3	ROBERT L WHETZAL	687/ 552
10*15566	J	9-11-3	SHARON L WHETZAL	682/ 556
10*47051.108.1	J	9-11-3	MICHAEL A WHETZAL	885/ 51
10*47051.108.5	J	9-11-3	BRENDA J WHETZAL	885/ 55
10*47051.108.6	J	9-11-3	TERRI MCCARDLE	895/ 23
10*47051.108.7	J	9-11-3	GARY FRANCIS WHETZAL	895/ 26
10*15564	K	9-11-5	VICKIE MASON	686/ 239
10*15565	K	9-11-5	SHARON L WHETZAL	687/ 147
10*15566	K	9-11-5	MARY A SOUTH	690/ 615
10*15567	K	9-11-5	ROBERT L WHETZAL	680/ 559
10*15568	K	9-11-5	RAY A WHETZAL JR	693/ 571
10*15569	K	9-11-5	MARK L WHETZAL	693/ 576
10*47051.108.1	K	9-11-5	MICHAEL A WHETZAL	885/ 51
10*47051.108.5	K	9-11-5	BRENDA J WHETZAL	885/ 55
10*47051.243.1	L	9-11-2	MARY A FOX	879/ 332
10*47051.243.2	L	9-11-2	PAUL G FOX	879/ 335
10*47051.243.3	L	9-11-2	MARK H FOX	879/ 338
10*47051.243.4	L	9-11-2	DAVID E FOX	876/ 55
10*47051.243.5	L	9-11-2	LOUIS T FOX	876/ 58
10*47051.243.6	L	9-11-2	THOMAS J FOX	876/ 61

T.H. LONGITUDE 80°42'30"
B.H. LONGITUDE 80°40'00"

1,752' B.H.

T.H.

Land & Energy Development
Solutions from the ground up.P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26351 • (304) 452-5634
www.slsurveys.com

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

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

DATE OCTOBER 17, 20 18

REVISED, 20

OPERATORS WELL NO. HEAVEN HILL 2W-9HM

API WELL NO. 47 - 51 - 01951
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8703AD9HM.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 X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: GROUND = 1,350.0' PROPOSED = 1,331.26' WATERSHED WEST FORK OF LOWER BOWMAN RUN OF FISH CREEK (HUC 10)

DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER C.R. JR. & A.H. HAGEDORN ACREAGE 203.07±

ROYALTY OWNER C.R. JR. & A.H. HAGEDORN ET AL (SEE ABOVE) ACREAGE 203.07±

PROPOSED WORK: LEASE NO. SEE ABOVE

DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___

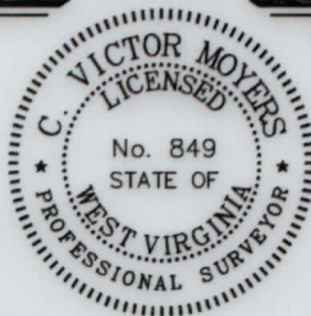
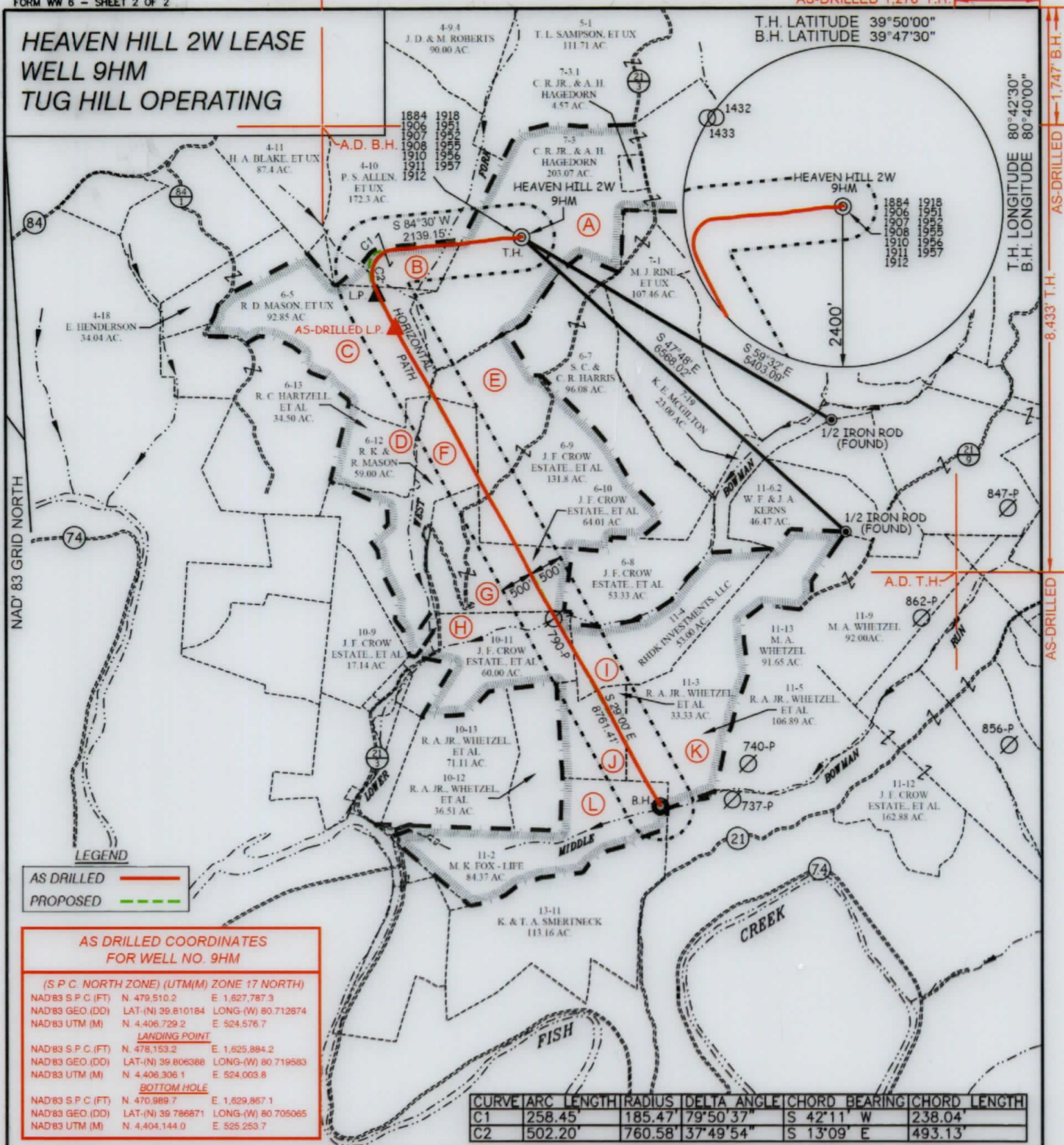
PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,879' / TMD: 16,535'

COUNTY NAME

PERMIT

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

HEAVEN HILL 2W LEASE WELL 9HM TUG HILL OPERATING



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P.S.
849

C. Victor Moyers

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

FILE NO. 8703AD9HMR.dwg SCALE 1" = 2000'

DATE OCTOBER 17, 2018

REVISED OCTOBER 17, 2019

OPERATORS WELL NO. HEAVEN HILL 2W-9HM

API WELL NO. 47 - 051 - 01951
STATE COUNTY PERMIT

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



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

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LEGEND

LEASE LINE		COUNTY ROUTE	
SURFACE LINE		PROPOSED WELL	
WELL LATERAL		EXISTING WELL	
OFFSET LINE		PERMITTED WELL	
TIE LINE		TAX MAP-PARCEL	
CREEK		LEASE # (SEE PG. 1)	
ROAD		SURFACE OWNER (SEE TABLE)	

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