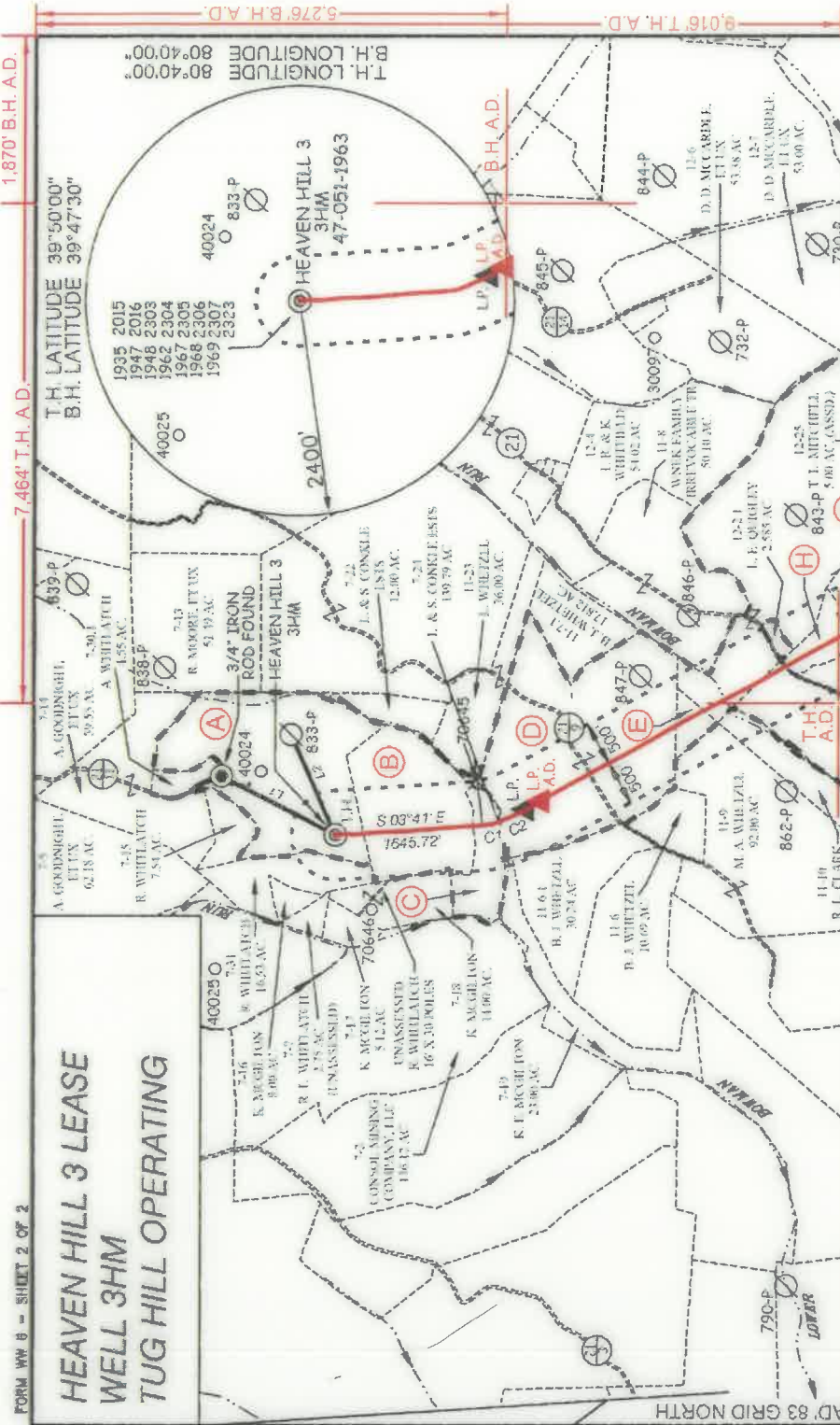


**HEAVEN HILL 3 LEASE
WELL 3HM
TUG HILL OPERATING**



**AS DRILLED COORDINATES
FOR WELL NO. 3HM**

(S.P.C. NORTH ZONE) (UTM/M) ZONE 17 NORTH
 NAD83 S.P.C. (FT) N 478,853.76 E 1,633,296.29
 NAD83 GEO. LAT. (N) 39.808584 LONG. (W) 80.693234
 NAD83 UTM (M) N 4,406,557.30 E 526,258.41

LANDING POINT
 NAD83 S.P.C. (FT) N 476,582.9 E 1,633,675.6
 NAD83 GEO. LAT. (N) 39.802909 LONG. (W) 80.691776
 NAD83 UTM (M) N 4,405,861.3 E 526,395.6

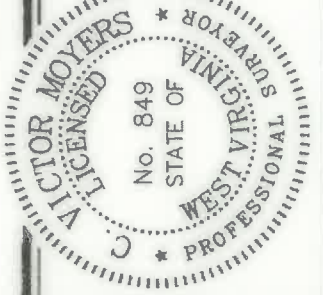
BOTTOM HOLE
 NAD83 S.P.C. (FT) N 487,342.8 E 1,638,740.9
 NAD83 GEO. LAT. (N) 39.777182 LONG. (W) 80.673320
 NAD83 UTM (M) N 4,403,678.1 E 527,975.8

PARCEL	ACRES
A	9-7-30 72.82
B	9-7-31 43.22
C	9-7-30 13.39
D	9-11-7 82.858
E	9-12-7 5.00 (1.00 ASSD)
F	9-12-2 139.795
G	9-11-11 189.95
H	9-12-1 7.545
I	9-7-1 92.455
J	9-12-1 70.00
K	9-11-18 20.00
L	9-15-3 167.00
M	9-15-1 48.92
N	9-15-15 78.00

P.S. *C. Victor Moyers*
849

LEGEND
 AS DRILLED (Red line)
 PROPOSED (Green line)

CURVE ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	184.52'	S 13°40' E	184.06'
C2	330.22'	S 24°39' E	329.90'



(S.P.C. NORTH ZONE) (UTM/M) ZONE 17 NORTH)
 NAD83 S.P.C. (FT) N 478,853.76 E 1,633,296.29
 NAD83 GEO. LAT. (N) 39.808584 LONG. (W) 80.693234
 NAD83 UTM (M) N 4,406,557.30 E 526,258.41

LANDING POINT
 NAD83 S.P.C. (FT) N 476,582.9 E 1,633,675.6
 NAD83 GEO. LAT. (N) 39.802909 LONG. (W) 80.691776
 NAD83 UTM (M) N 4,405,861.3 E 526,395.6

BOTTOM HOLE
 NAD83 S.P.C. (FT) N 487,342.8 E 1,638,740.9
 NAD83 GEO. LAT. (N) 39.777182 LONG. (W) 80.673320
 NAD83 UTM (M) N 4,403,678.1 E 527,975.8

SCALE 1" = 2000'
 DATE MAY 26, 2020
 REVISED

OPERATORS WELL NO. HEAVEN HILL 3-3HM
 API WELL NO. **47-051-1963**
 NO. STATE COUNTY PERMIT

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

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

LEGEND
 LEASE LINE
 SURFACE LINE
 WELL LATERAL
 OFFSET LINE
 THE LINE
 CREEK
 ROAD
 COUNTY ROUTE
 PROPOSED WELL
 EXISTING WELL
 PERMITTED WELL
 TAX MAP-PARCEL
 LEASE # (SEE WW-6A1)
 SURFACE OWNER (SEE TABLE)

COUNTY NAME PERMIT

WELL OPERATOR TUG HILL OPERATING, LLC
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
 FORT WORTH, TX 76107

DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 5400 D BIG TYLER ROAD
 CHARLESTON, WV 25313

**HEAVEN HILL 3 LEASE
WELL 3HM
TUG HILL OPERATING**

7,464' T.H.A.D. 1,870' B.H.A.D.

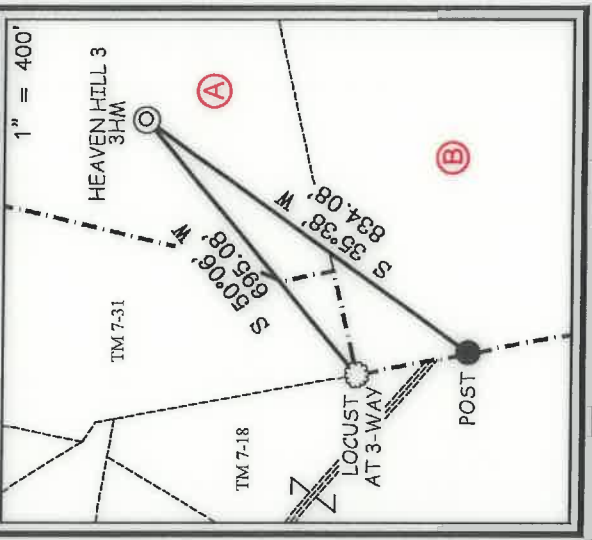
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)	
NAD'83 S.P.C.(FT)	N. 478,863.76 E. 1,633,296.29
NAD'83 GEO.	LAT-(N) 39.808684 LONG-(W) 80.693284
NAD'83 UTM (M)	N. 4,406,557.30 E. 526,258.41
LANDING POINT	
NAD'83 S.P.C.(FT)	N. 476,732.8 E. 1,633,583.5
NAD'83 GEO.	LAT-(N) 39.802773 LONG-(W) 80.692112
NAD'83 UTM (M)	N. 4,405,912.6 E. 526,356.7
BOTTOM HOLE	
NAD'83 S.P.C.(FT)	N. 467,344.8 E. 1,638,746.8
NAD'83 GEO.	LAT-(N) 39.777188 LONG-(W) 80.673299
NAD'83 UTM (M)	N. 4,403,078.8 E. 527,977.5

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

B.H.A.D.

T.H.A.D.

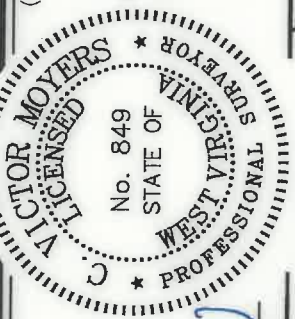
REFERENCES



NOTES ON SURVEY

- 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.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'
- AS-DRILLED DATA PROVIDED BY TUG HILL OPERATING, LLC.
- PLAT UPDATED TO SHOW AS-DRILLED PATH.

12 Venhom Drive | P.O. Box 190 | Glenville, WV 26031 | 304.462.8324
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25601 | 304.255.5296
slsinc.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 *C. Victor Moyers*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MAY 26, 2020
REVISED
OPERATORS WELL NO. HEAVEN HILL 3-3HM
API WELL NO. 47-051-1963
STATE COUNTY PERMIT

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

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8654P3HMAD.dwg
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

WELL TYPE: OIL GAS LIQUID WASTE DISPOSAL INJECTION "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION PROPOSED = 1,326.35' GROUND = 1,343.0'
 DISTRICT MEADE COUNTY MARSHALL WATERSHED LOWER BOWMAN RUN OF FISH CREEK (HUC 10)
 SURFACE OWNER RICKY L. WHITLATCH
 ROYALTY OWNER RICKY L. WHITLATCH, ET AL - SEE WW-6A1
 PROPOSED WORK:
 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 MARCELLUS
 ESTIMATED DEPTH TVD: 6,876' / TMD: 18,261'

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