

10,466' B.H.

7,512' T.H.

HEAVEN HILL 3N  
WELL 13HM  
TUG HILL OPERATING

T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

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

NAD'83 S.P.C.(FT) N. 478,865.60 E. 1,633,247.69  
NAD'83 GEO. LAT-(N) 39.808615 LONG-(W) 80.693408  
NAD'83 UTM (M) N. 4,406,580.66 E. 526,243.54

LANDING POINT

NAD'83 S.P.C.(FT) N. 477,521.7 E. 1,633,871.5  
NAD'83 GEO. LAT-(N) 39.804949 LONG-(W) 80.691124  
NAD'83 UTM (M) N. 4,406,154.4 E. 526,440.4

BOTTOM HOLE

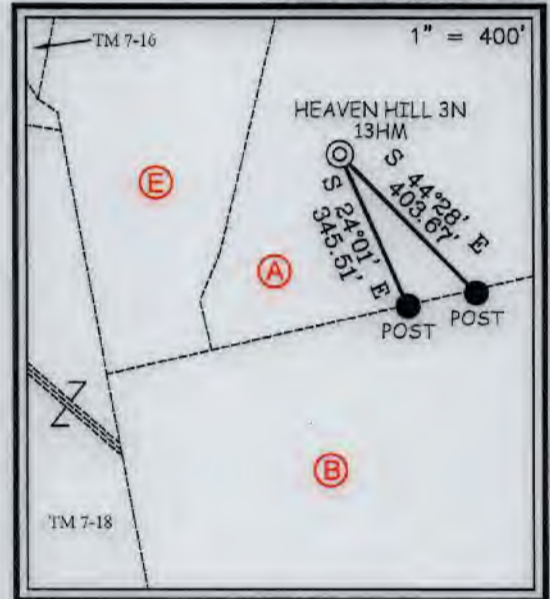
NAD'83 S.P.C.(FT) N. 484,057.7 E. 1,630,360.8  
NAD'83 GEO. LAT-(N) 39.822762 LONG-(W) 80.703931  
NAD'83 UTM (M) N. 4,406,127.8 E. 525,337.6

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

9,004' T.H.



REFERENCES



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'



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 AUGUST 30, 20 19  
REVISED NOVEMBER 5, 20 19  
OPERATORS WELL NO. HEAVEN HILL 3N-13HM  
API WELL NO. 47 - 051 - 02323  
STATE COUNTY PERMIT HGA

MINIMUM DEGREE OF ACCURACY 1 / 2500  
FILE NO. 8654P13HMR.dwg  
HEAVEN HILL 3-13HM REV2  
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 = 1,335.60' ELEVATION PROPOSED = 1,326.35' WATERSHED LOWER BOWMAN RUN OF FISH CREEK (HUC 10)  
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'  
SURFACE OWNER RICKY L. WHITLATCH ACREAGE 72.82±  
ROYALTY OWNER RICKY L. WHITLATCH, ET AL ACREAGE 72.82±  
PROPOSED WORK: 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: 6,969' / TMD: 15,113'

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



10,466' B.H.

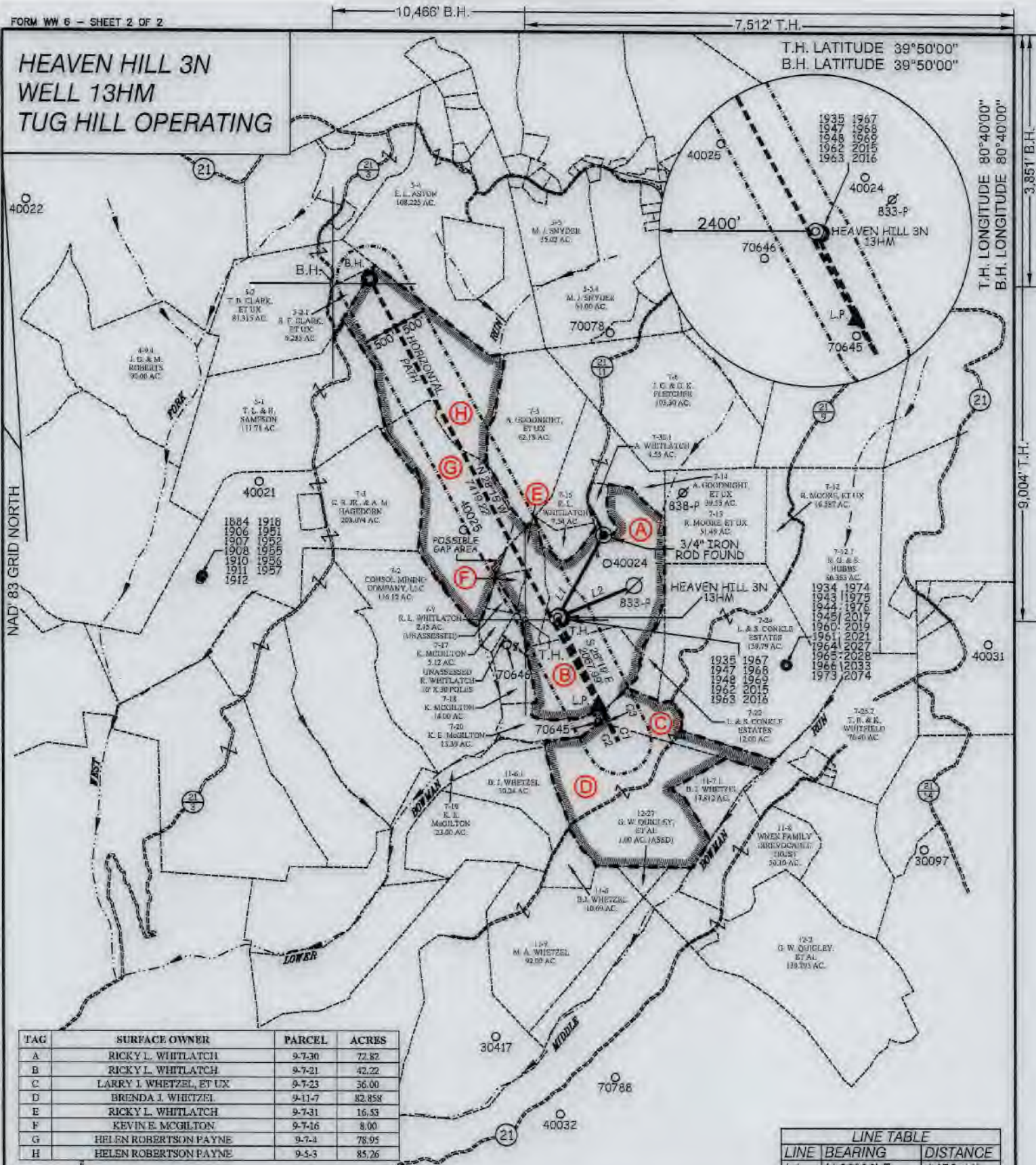
7,512' T.H.

**HEAVEN HILL 3N  
WELL 13HM  
TUG HILL OPERATING**

T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

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

NAD'83 GRID NORTH



TAG	SURFACE OWNER	PARCEL	ACRES
A	RICKY L. WHITLATCH	9-7-30	72.82
B	RICKY L. WHITLATCH	9-7-21	42.22
C	LARRY J. WHETZEL, ET UX	9-7-23	36.00
D	BRENDA J. WHITZEL	9-11-7	82.858
E	RICKY L. WHITLATCH	9-7-31	16.53
F	KEVIN E. MCGILTON	9-7-16	8.00
G	HELEN ROBERTSON PAYNE	9-7-4	78.95
H	HELEN ROBERTSON PAYNE	9-5-3	85.26

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 29°08' E	1456.11'
L2	N 67°14' E	1274.38'

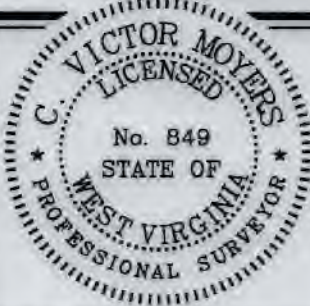
CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	46.85'	321.75'	S 22°54' E	46.81'
C2	58.18'	386.96'	N 33°25' W	58.12'
C3	576.48'	18225.13'	N 28°58' W	576.45'

**SLS**  
Land & Energy Development  
Solutions from the ground up.  
P.O. Box 150 • 12 Verdon Drive • Greenville, WV 26351 • (304) 462-5934  
www.slsww.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
NAD'83 S.P.C.(FT) N. 478,066.80 E. 1,839,247.89  
NAD'83 GEO. LAT-(N) 39.803615 LONG-(W) 80.893408  
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

P.S. 849 *C. Victor Moyers*

**LEGEND**

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

SCALE 1" = 2000' FILE NO. 8654P13HMR.dwg  
HEAVEN HILL 3-13HM REV2

DATE AUGUST 30, 2019  
REVISED NOVEMBER 5, 2019

OPERATORS WELL NO. HEAVEN HILL 3N-13HM  
API WELL NO. 47-051-02323 H&A  
NO. STATE COUNTY PERMIT

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



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