

HEAVEN HILL 3 LEASE
UTICA UNIT - 360.78 AC±
UTICA WELL 8HU / 8 AC±
TUG HILL OPERATING

Table with columns: No., Lease Name or No., Title, Parcel, Oil/Gas Well, Operator, and State. Lists various lease parcels and their corresponding operators.

1.159" T.H.A.D. 7.459" T.H.A.D.

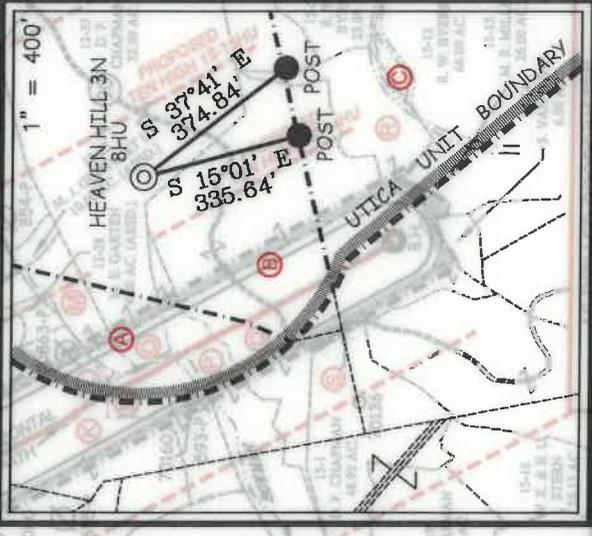
T.H. LATITUDE 39°50'00"
B.H. LATITUDE 39°47'30"

NOTES ON SURVEY

- 1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL...
2. WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'
3. PROPOSED LATERAL OR TOP HOLE OF HEAVEN HILL 3-8HU IS WITHIN 3000' OF THE TOP HOLES...
4. AS-DRILLED DATA PROVIDED BY TUG HILL OPERATING, LLC.
5. PLAT UPDATED TO SHOW AS-DRILLED PATH.

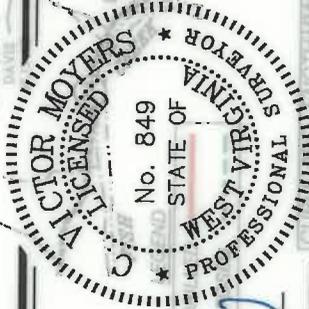
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
NAD83 S.P.C.(FT) N. 478,874.16 E. 1,633,301.30
NAD83 GEO. LAT(-N) 39.808640 LONG(-W) 80.689218
NAD83 UTM (M) N. 4,406,563.54 E. 526,259.83
LANDING POINT
NAD83 S.P.C.(FT) N. 477,315.2 E. 1,634,832.8
NAD83 GEO. LAT(-N) 39.804410 LONG(-W) 80.688405
NAD83 UTM (M) N. 4,406,095.4 E. 526,673.4
BOTTOM HOLE
NAD83 S.P.C.(FT) N. 468,513.4 E. 1,639,473.1
NAD83 GEO. LAT(-N) 39.780422 LONG(-W) 80.670770
NAD83 UTM (M) N. 4,403,438.5 E. 528,102.9

REFERENCES



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



STATES TOPOGRAPHIC MAPS. DATE MAY 26, 2020

REVISED JUNE 12, 2020
OPERATORS WELL NO. HEAVEN HILL 3-8HU

WELL NO. 47-051-1967
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500
FILE NO. 8654P8HUADR.dwg
SCALE 1" = 2000'



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

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)
WELL TYPE: OIL GAS X INJECTION WASTE LIQUID
DISPOSAL X GAS PRODUCTION

LOCATION: GROUND = 1,339.40'
PROPOSED = 1,326.35'
ELEVATION WATERSHED LOWER BOWMAN RUN OF FISH CREEK (HUC 10-)

DISTRICT MEADE COUNTY MARSHALL
SURFACE OWNER RICKY L. WHITLATCH
ROYALTY OWNER RICKY L. WHITLATCH, ET AL - SEE SHEETS 1, 3, 4, & 5

PROPOSED WORK:
DRILL X CONVERT X DRILL DEEPER X
FORMATION PERFORATE NEW FORMATION REDRILL X
PHYSICAL CHANGE IN WELL (SPECIFY) PLUG AND ABANDON X
ESTIMATED DEPTH TVD: 11,789' / TMD: 22,395'

WELL OPERATOR TUG HILL OPERATING, LLC
DESIGNATED AGENT DIANNA STAMPER
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 3 LEASE
UTICA UNIT - 360.78 AC ±
WELL 8HU
TUG HILL OPERATING



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296

Table with columns: Well No., Date, Operator, Well Name, and other details. Includes well numbers 81-244 and various well names like MARY LOU MITCHELL and PAULA R. SEAWER.

Table with columns: Well No., Lease Name or No., Title, Period, and Operator. Includes well numbers 215-244 and various lease names like WILLIAM W CRAIG and GLENDA L CRAIG.

Form containing: COUNTY NAME, PERMIT, FILE NO. 8654P8HUADR.dwg, DATE MAY 26 2020, OPERATORS WELL NO. HEAVEN HILL 3-8HU, API WELL NO. 47-051-1967, NO. STATE COUNTY 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.



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

P.S. *Victor Moyers*
849

HEAVEN HILL 3 LEASE
UTICA UNIT - 360.78 AC ±
WELL 8HU
TUG HILL OPERATING



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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5295

Table with columns: No., Lessee Name or No., Trg, Parcel, Oil and Gas Lease/Owner/Continued, Page. Lists lease details for various owners and tracts.

Table with columns: No., Lessee Name or No., Trg, Parcel, Oil and Gas Lease/Owner/Continued, Page. Continuation of lease details from the previous table.

FILE NO. 8654P8HUADR.dwg
DATE MAY 26, 2020
REVISED JUNE 12, 2020
OPERATORS WELL NO. HEAVEN HILL 3-8HU
API WELL NO. 47-051-1967
NO. STATE COUNTY PERMIT
WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107

RECEIVED
Office of Oil and Gas
JUL 10 2020
WV Department of Environmental Protection
L. MOYERS
No. 849
STATE OF WEST VIRGINIA
DESIGNATED AGENT
DIANNA STAMPER
CT CORPORATION SYSTEM
ADDRESS 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
P.S. Victor Moyers
849
COUNTY NAME PERMIT

HEAVEN HILL 3 LEASE
 UTICA UNIT - 360.78 AC ±
 WELL 8HU
 TUG HILL OPERATING



12 Venthorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.545.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5295

sls.wv.com

No.	Lease Name or No.	T-#	Parcel	Oil and Gas Royalty Owner Continued	Deed Book	Page
619	10*17384	P	9-14-18	CHARLES CUNNINGHAM AND CORA CUNNINGHAM	925	316
619	10*18077	P	9-14-18	JAMES D OMBREL AND PORTIA CONWAY KIMBLE	927	261
620	10*18070	P	9-14-18	THE VIRGINIA LARAZA DIXON TRUST	926	338
621	10*18076	P	9-14-18	FRANK L. LUDERS	928	300
621	10*18095	P	9-14-18	DOBBIE L. HEST	928	330
623	10*18100	P	9-14-18	KEITH AND WAKY GOUDRY	927	251
624	10*18101	P	9-14-18	ROMIE FRAZIER JR AND CARROLL FRAZER	927	248
625	10*18102	P	9-14-18	ELIZABETH HALE LEK	927	245
625	10*18104	P	9-14-18	BERNAIM MATHER AND REBECCA MATHER	927	246
627	10*18105	P	9-14-18	DAVID GIBSON AND REBECCA FRAZIER GIBSON	927	254
628	10*18107	P	9-14-18	WILLIAM C WEST AND DEBRA WEST	928	617
628	10*18107	P	9-14-18	JAMES MATHER	928	617
630	10*18248	P	9-14-18	DONALD A FRAZIER AND NANCY FRAZIER	930	6
631	10*18244	P	9-14-18	ANNAWELL B CROW	930	6
632	10*18245	P	9-14-18	CHARLES GREGORY WRIGHT	930	11
633	10*18248	P	9-14-18	BRYON E DOBBS AND DORIS M DOBBS	923	516
634	10*18249	P	9-14-18	PATRICIA RUTER	928	581
635	10*18256	P	9-14-18	CHARLES B. MASTERS AND WAKY MASTERS	928	578
637	10*18359	P	9-14-18	BARBARA H SAMMONS	931	306
638	10*18362	P	9-14-18	MICHELLE ANNETTE WRIGHT AND CHRISTOPHER A KELLY	931	404
639	10*18364	P	9-14-18	GARY WISHARD AND BETH A WISHARD	944	171
640	10*18346	P	9-14-18	CHRISTOPHER WRIGHT AND CRISTAL OXON	936	158
641	10*18000	P	9-14-18	JUSTIN VAN MEETER	937	638
642	10*18002	P	9-14-18	CHRISTOPHER VAN MEETER	937	640
643	10*18003	P	9-14-18	MARK C CUNNINGHAM AND JOAN CUNNINGHAM	941	335
644	10*18095	P	9-14-18	EDWIN H WILSON AND PATRICIA L BIRCHEL	940	331
645	10*18394	P	9-14-18	MELVYN FRANCES	940	331
646	10*18410	P	9-14-18	BARBARA L ANDERSON	940	152
647	10*18463	P	9-14-18	GARY DOBBS AND REGGY LEE DOBBS	941	328
648	10*18523	P	9-14-18	CHRISTIAN CHURCH DISCIPLES OF CHRIST IN FLORIDA INC	943	6
649	10*18528	P	9-14-18	PATRICK HOWELL	944	173
650	10*18565	P	9-14-18	EDMOND & DAUM PAL ATTORNEYS AT LAW	944	189
651	10*18652	P	9-14-18	GREGG S GOLDMAN	944	189
652	10*18652	P	9-14-18	JOHN WILSON	944	189
653	10*18688	P	9-14-18	PAUL WILSON DOBBS AND LISA DOBBS	944	177
654	10*18726	P	9-14-18	BILL MUSSELL AND MARY LOU MUSSELL	944	440
655	10*18963	P	9-14-18	DAVID ROSARIO JR AND JULIE A ROSARIO	945	485
656	10*19341	P	9-14-18	DAVID LEE SCOTT AND MARGARET TANSIE SCOTT	948	371
657	10*19345	P	9-14-18	THE ESTATE OF CHARLIE F GIDDEL	948	381
658	10*19352	P	9-14-18	JOHN C BURNS SUPPLEMENTAL NEEDS TRUST	948	213
659	10*19352	P	9-14-18	LAWRENCE M. CUNNINGHAM AND LINDA CUNNINGHAM	948	203
660	10*19359	P	9-14-18	DONALD SCOTT CHAMBERS	948	203
661	10*19360	P	9-14-18	WILLIAM JUDSON HENRY III AND THERESA HENRY	953	98
662	10*19363	P	9-14-18	JAMES ROBERT HENRY AND KAREN HENRY	953	100
663	10*19369	P	9-14-18	CHARLES H PETER AND SHARON DOBBS PETERS	959	468
664	10*18186	P	9-14-18	SHERILL R DOBBS AND ELLA V DOBBS	959	466
665	10*18186	P	9-14-18	STEPHEN LEEK	959	470
666	10*18189	P	9-14-18	DANIELA WEBER AND JUDITH WEBER	959	495
667	10*19351	P	9-14-18	DONALD M BURNS SUPPLEMENTAL NEEDS TRUST JOHN CURTIS BURNS TRUSTEE	959	481
668	10*19392	P	9-14-18	VAUGHN D BURNS SUPPLEMENTAL NEEDS TRUST JOHN CURTIS BURNS TRUSTEE	953	487
669	10*19392	P	9-14-18	WILLIAM SHEPHERD AND JERRY LEA SHEPHERD	954	347
670	10*19391	P	9-14-18	PETER MCCARTY AND BEVLYN WHITE MCCARTY	955	389
671	10*19391	P	9-14-18	JUDITH A LEWANDOSKY AND ALAN E LEWANDOSKY	986	225
672	10*19391	P	9-14-18	THE ESTATE OF CHARLIE F GIDDEL	986	222
673	10*19351.323.1	P	9-14-18	NICHOLAS D PAVLIK AND GLORIA K PAVLIK	986	222
674	10*19351.323.4	P	9-14-18	JAMES H WHITE AND RITA FRANKS WHITE	986	230
675	10*19351.323.5	P	9-14-18	SAMUEL ALAN MCCORD AND WINIFRED A MCKEE	986	232
676	10*19351.323.6	P	9-14-18	THOMAS D MCCORD	986	235
677	10*19351.323.7	P	9-14-18	SHERON JONES	986	237
678	10*19351.323.8	P	9-14-18	ICK PAVLIK	986	239
679	10*19352	P	9-14-18	RON O CHAMBERS AND DEBRA CHAMBERS	986	259
680	10*19352	P	9-14-18	BARBARA MACDONALD BARNHART	986	260
681	10*19349	Q	9-14-18	MARY LOU CHAMBERS	986	276
682	10*16344	Q	9-14-18	PATRICIA S MADRID	986	278
683	10*16344	Q	9-14-18	LARRY L CHAMBERS	986	280
684	10*16380	Q	9-14-18	LARRY L CHAMBERS	986	280
685	10*16381	Q	9-14-18	FRIST CHRISTIAN CHURCH OF MOUNDSVILLE BY ROGER FRANCIS	986	781
686	10*16382	Q	9-14-18	ANGELA AND JERRY ALBERT TRUSTS BY JERRY ALBERT	986	289
687	10*16383	Q	9-14-18	JOHN A SHRETTZ AND CYNTHIA SHRETTZ	986	281
688	10*16385	Q	9-14-18	JOHN A SHRETTZ AND CYNTHIA SHRETTZ	986	281
689	10*16441	Q	9-14-18	GEORGE FRANKLIN AND WAKY ANN LEED	924	619
690	10*16442	Q	9-14-18	FRED T CHAMBERS AND JERRY L CHAMBERS	924	174
691	10*16443	Q	9-14-18	BARBARA BROWN CHAMBERS	924	621
692	10*16444	Q	9-14-18	CATHERINE ELLEN CHAMBERS	924	623
693	10*16445	Q	9-14-18	DOUGLAS C AND OWEN D LEWTON	925	128
694	10*16445	Q	9-14-18	DOUGLAS C AND OWEN D LEWTON	925	128
695	10*16485	Q	9-14-18	DAVID ALAN WILSON AND PATRICIA L WILSON	924	178
696	10*16490	Q	9-14-18	WILLIAM H AND MERRY C COTTON	924	176
697	10*16511	Q	9-14-18	DOUGLAS R BOVEN	906	475
698	10*16522	Q	9-14-18	JEAN ANN MCFADDEN	906	459
699	10*16524	Q	9-14-18	TERRY LEE LASAVAGE	906	443
700	10*16535	Q	9-14-18	CHARLES CARSON AND MARY KAY CARSON	906	400
701	10*16535	Q	9-14-18	RON D BOWEN AND JOYSONNE B BOWEN	907	415
702	10*16540	Q	9-14-18	JAMES A HALE	907	415
703	10*16558	Q	9-14-18	JANICE C MALE	907	405
704	10*16570	Q	9-14-18	ROBERT E BOWEN AND MARCIA B BOWEN	907	420
705	10*16576	Q	9-14-18	LINDA A BARBER AND MICHAEL W MINER	907	484
706	10*16580	Q	9-14-18	HAROLD C MCFADDEN	907	480
707	10*16581	Q	9-14-18	HELEN E SCHILLING	907	489
708	10*16582	Q	9-14-18	DOMA BROCK BRANMER	907	429
709	10*16582	Q	9-14-18	RONALD J PCCA AND JERRY L CHAMBERS PCCA	924	186
710	10*16726	Q	9-14-18	SARAH L BRIGGS	924	186
711	10*16728	Q	9-14-18	SARAH L BRIGGS	924	177
712	10*16835	Q	9-14-18	ERNEST CARL AUGUSTINE JR	924	188
713	10*16948	Q	9-14-18	FREDERICK H LEWTON	924	186
714	10*16949	Q	9-14-18	STEVEN R LUTT AND BRANNE LUTT	924	138
715	10*16990	Q	9-14-18	JAY E LEWTON AND CELIA E LEWTON	924	134
716	10*16992	Q	9-14-18	RUSSELL HENRY	924	132
717	10*16992	Q	9-14-18	DONALD T. HENRY AND JUDITH HENRY	924	132
718	10*16990	Q	9-14-18	ROSSEMARY A BRIGGS	924	150
719	10*16992	Q	9-14-18	LINDA C BRANHAM	924	148
720	10*16999	Q	9-14-18	JULIA HODDER	924	150
721	10*16995	Q	9-14-18	DIANE ELSE RAMSEY	924	146
722	10*17259	Q	9-14-18	ROBERTA JANE PARRISON	924	142
723	10*17351	Q	9-14-18	LAURA E TOTTEREN AND LORNE R TOTTEREN	924	134
724	10*17351	Q	9-14-18	UNITED CHRISTIAN MISSIONARY SOCIETY	924	144
725	10*17209	Q	9-14-18	UNITED CHRISTIAN MISSIONARY SOCIETY	924	144
726	10*17289	Q	9-14-18	MARLENE R HUNT JR AND ELIZABETH A HUNT	924	130
727	10*17696	Q	9-14-18	CHRISTINE L KIDD	924	138
728	10*17443	Q	9-14-18	ROBERT M CHAMBERS AND CHARLOTTE A CHAMBERS	924	160
729	10*17456	Q	9-14-18	ANDREW M HODDER AND DINAH A HODDER	924	155
730	10*17448	Q	9-14-18	FREDERICK J HENRY AND CATRY J HENRY	924	162
731	10*17452	Q	9-14-18	ALAN H DEGRAND AND MARY K DEGRAND	924	164
732	10*17467	Q	9-14-18	ALAN H DEGRAND AND MARY K DEGRAND	924	164
733	10*17467	Q	9-14-18	DEBRA H MCGOON	924	164
734	10*17549	Q	9-14-18	DONALD L WOOD	923	523
735	10*17617	Q	9-14-18	UNITED DISCIPLES OF CHRIST CHURCH	924	129
736	10*17674	Q	9-14-18	HOWARD L WOOD AND BETH E WOOD	923	505
737	10*17675	Q	9-14-18	GREGORY DEANE WIBLE AND CAROLYN JEAN WIBLE	923	507
738	10*17703	Q	9-14-18	SUE ANN WOOD	923	470
739	10*17702	Q	9-14-18	TAMMY BETH RAMSEY	923	500
740	10*17702	Q	9-14-18	TAMMY BETH RAMSEY	923	500
741	10*18416	Q	9-14-18	GREG WISHARD AND BETH A WISHARD	944	133
742	10*19523	Q	9-14-18	CHRISTIAN CHURCH DISCIPLES OF CHRIST IN FLORIDA INC	943	6
743	10*19539	Q	9-14-18	SUSAN ASTON	936	505
744	10*19946	Q	9-14-18	THE ESTATE OF CHARLIE F GIDDEL	948	201
745	10*19952	Q	9-14-18	JOHN C BURNS SUPPLEMENTAL NEEDS TRUST	948	212
746	10*19952	Q	9-14-18	WILLIAM JUDSON HENRY III AND THERESA HENRY	953	98
747	10*19952	Q	9-14-18	JAMES ROBERT HENRY AND KAREN HENRY	953	100
748	10*19952	Q	9-14-18	DANITA WEBER AND JUDITH WEBER	953	495

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DATE MAY 26, 20 20
 REVISED JUNE 12, 20 20

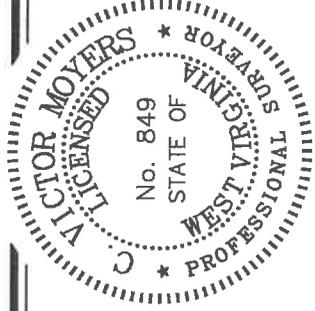
OPERATORS WELL NO. HEAVEN HILL 3-8HU

API WELL 47 - 051 - 1967

NO. STATE COUNTY PERMIT

WELL OPERATOR TUG 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



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

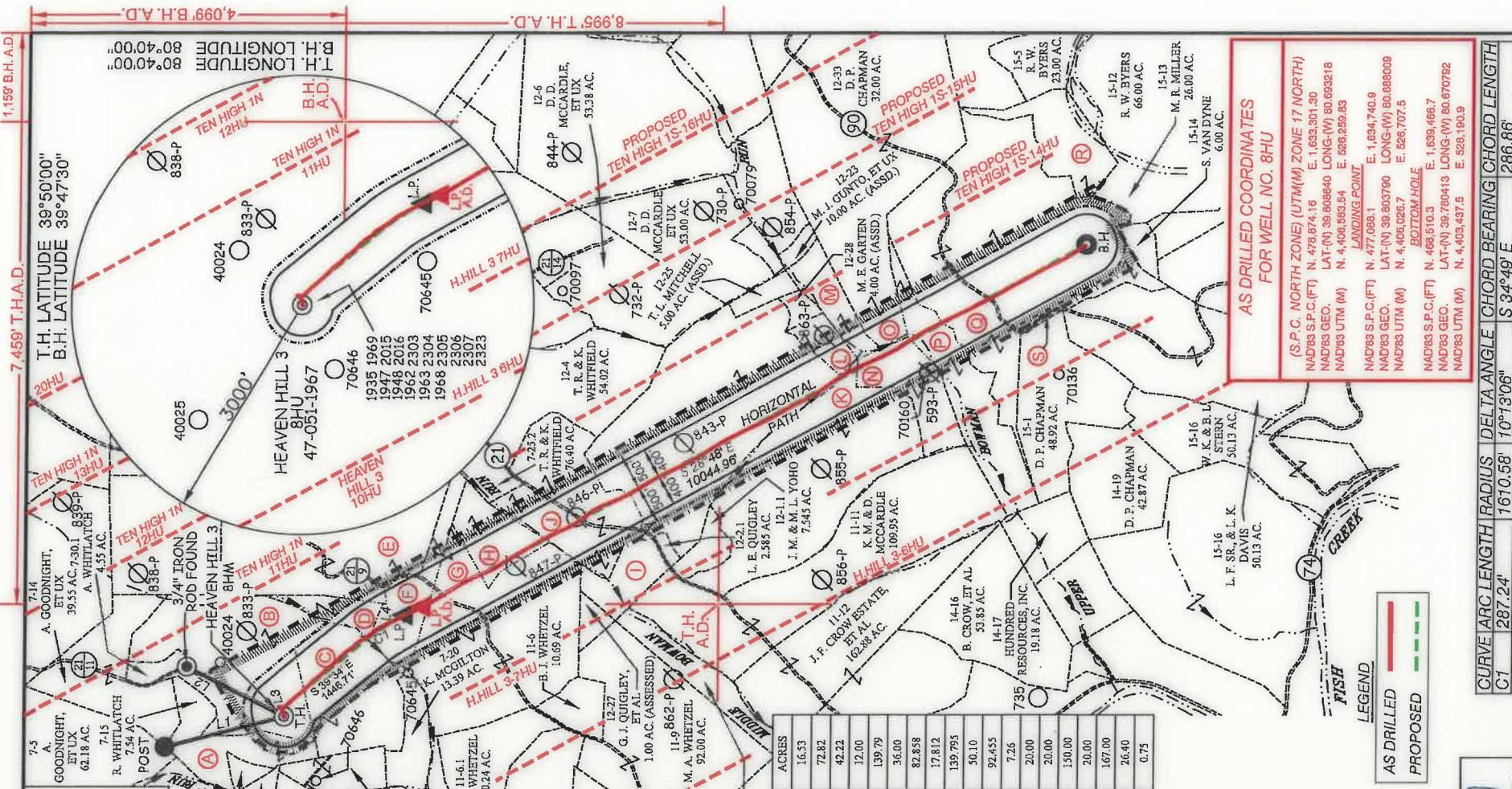
PERMIT
 P.S. C. Victor Moyers
 849

RECEIVED
 Office of Oil and Gas

JUL 10 2020

WV Department of
 Environmental Protection

**HEAVEN HILL 3 LEASE
UTICA UNIT - 360.78 AC ±
WELL 8HU
TUG HILL OPERATING**



1,159' B.H.A.D.
7,459' T.H.A.D.
4,099' B.H.A.D.
8,995' T.H.A.D.
T.H. LATITUDE 39°50'00"
B.H. LATITUDE 39°47'30"
T.H. LONGITUDE 80°40'00"
NAD'83 GRID NORTH

**AS DRILLED COORDINATES
FOR WELL NO. 8HU**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD83 S.P.C.(FT) N. 478,874.16 E. 1,633,301.30
 NAD83 GEO. LAT.(N) 39.8008640 LONG.(W) 80.693218
 NAD83 UTM (M) N. 4,408,593.54 E. 526,259.83

LANDING POINT
 NAD83 S.P.C.(FT) N. 477,068.1 E. 1,634,740.9
 NAD83 GEO. LAT.(N) 39.8007980 LONG.(W) 80.698009
 NAD83 UTM (M) N. 4,406,026.7 E. 526,707.5

BOTTOM HOLE
 NAD83 S.P.C.(FT) N. 468,510.3 E. 1,639,466.7
 NAD83 GEO. LAT.(N) 39.789413 LONG.(W) 80.670792
 NAD83 UTM (M) N. 4,403,437.5 E. 528,190.9

CURVE ARC LENGTH 1670.58
 CHORD BEARING 10°13'06"
 CHORD LENGTH 287.24
 DELTA ANGLE 1670.58
 S 34°49' E 236.86

LEGEND

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

TAG	SURFACE OWNER	PARCEL ACRES
A	RICKY L. WHITLATCH	9-7-31 16.53
B	RICKY L. WHITLATCH	9-7-30 72.82
C	RICKY L. WHITLATCH	9-7-21 42.22
D	LAWRENCE & SHIRLEY CONKLE ESTS.	9-7-22 12.00
E	LAWRENCE & SHIRLEY CONKLE ESTS.	9-7-24 139.79
F	LARRY J. WHEITZEL, ET UX	9-7-23 36.00
G	BRENDA J. WHEITZEL	9-11-7 82.838
H	BRENDA J. WHEITZEL	9-11-7 17.812
I	GERALD W. QUIGLEY, ET AL	9-12-2 139.795
J	WNEK FAMILY IRREVOCABLE TRUST	9-11-8 50.10
K	KENNETH M. & DELORES MCCARDLE LIVING TRUST	9-12-1 92.455
L	MYRTLE ELIZABETH GARTEN	9-12-30 7.26
M	GARY L. DOBBS	9-12-37 20.00
N	HARMON & MARY CROW	9-12-31 150.00
O	DAVID P. CHAPMAN	9-12-32 150.00
P	MYRTLE ELIZABETH GARTEN	9-14-18 20.00
Q	SUSAN VAN DYNE	9-15-3 167.00
R	ROBERT FRANK KOTSMAN, ET AL	9-15-4 26.40
S	DAVID P. CHAPMAN	9-15-2 0.75

LINE	BEARING	DISTANCE
L1	N 14°24' W	1598.16'
L2	N 27°23' E	1423.2'
L3	N 75°57' E	113.35'
L4	S 30°01' E	272.23'



12 Verbon Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5654
 1412 Konawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5295
 slsww.com

P.S. *C. Victor Moyers*
 849

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD83 S.P.C.(FT) N. 478,874.16 E. 1,633,301.30
 NAD83 GEO. LAT.(N) 39.8008640 LONG.(W) 80.693218
 NAD83 UTM (M) N. 4,406,593.54 E. 526,259.83

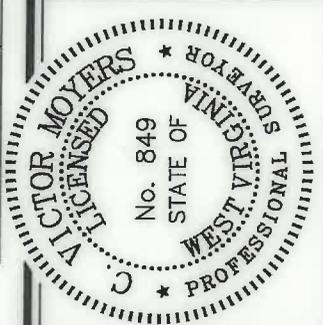
LANDING POINT
 NAD83 S.P.C.(FT) N. 477,315.2 E. 1,634,632.8
 NAD83 GEO. LAT.(N) 39.804410 LONG.(W) 80.688405
 NAD83 UTM (M) N. 4,406,095.4 E. 526,673.4

BOTTOM HOLE
 NAD83 S.P.C.(FT) N. 468,513.4 E. 1,639,473.1
 NAD83 GEO. LAT.(N) 39.780422 LONG.(W) 80.670770
 NAD83 UTM (M) N. 4,403,438.5 E. 528,192.9

SCALE 1" = 2000' FILE NO. 8654P8HUADR.dwg

DATE MAY 26 20 20
 REVISED JUNE 12 20 20

OPERATORS WELL NO. HEAVEN HILL 3-8HU
 API WELL NO. 47-051-1967
 NO. STATE COUNTY PERMIT



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



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

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

LEGEND

- UNIT BOUNDARY (Dashed line)
- LEASED TRACTS INSIDE UNIT BOUNDARY (Dotted line)
- SURFACE LINE (Solid line)
- PROPOSED UTICA (Red dashed line)
- WELL LATERAL (Black dashed line)
- 400' OFFSET LINE (Black dashed line)
- 500' OFFSET LINE (Black dashed line)
- TIE LINE (Black dashed line)
- CREEK (Blue line)
- ROAD (Black line)
- COUNTY ROUTE (Black line with 'R')
- PROPOSED WELL (Red circle with 'P')
- EXISTING WELL (Black circle with 'E')
- PERMITTED WELL (Black circle with 'M')
- SURFACE OWNER (See Table) (Black circle with 'S')
- LEASE # (See Sheets 1, 3, 4, & 5) (Black circle with 'L')

HEAVEN HILL 3 LEASE
UTICA UNIT - 360.78 AC ±
WELL 8HU
TUG HILL OPERATING

7,459' T.H.A.D.

T.H. LATITUDE 39°50'00"
B.H. LATITUDE 39°47'30"

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. PROPOSED LATERAL OR TOP HOLE OF HEAVEN HILL 3-8HU IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF PROPOSED WELLS HEAVEN HILL 3-6HU, HEAVEN HILL 3-7HU, HEAVEN HILL 3-10HU, TEN HIGH 1S-14HU, TEN HIGH 1S-15HU, TEN HIGH 1S-16HU, TEN HIGH 1N-11HU, AND TEN HIGH 1N-12HU, TEN HIGH 1N-13HU, AND TEN HIGH 1N-20HU.
4. AS-DRILLED DATA PROVIDED BY TUG HILL OPERATING, LLC.
5. PLAT UPDATED TO SHOW AS-DRILLED PATH.

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

T.H. A.D.

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

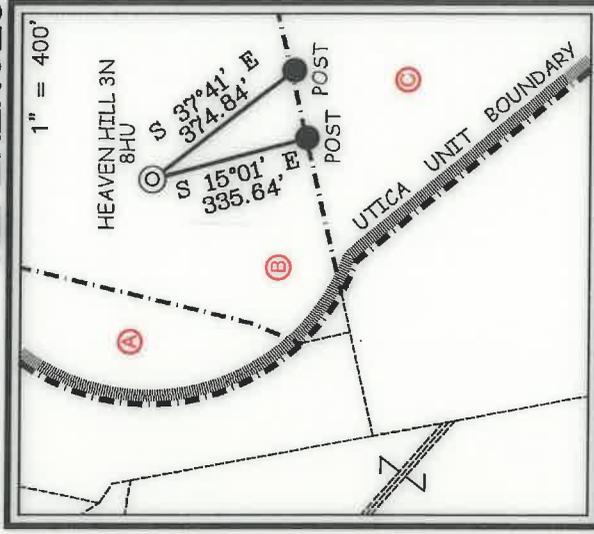
NAD83 S.P.C.(FT) N. 478,874.16 E. 1,633,301.30
 NAD'83 GEO. LAT-(N) 39.8008640 LONG-(W) 80.6993218
 NAD'83 UTM (M) N. 4,406,563.54 E. 526,259.83

LANDING POINT
 NAD83 S.P.C.(FT) N. 477,315.2 E. 1,634,632.8
 NAD'83 GEO. LAT-(N) 39.8044110 LONG-(W) 80.688405
 NAD'83 UTM (M) N. 4,406,095.4 E. 526,673.4

BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 468,513.4 E. 1,639,473.1
 NAD'83 GEO. LAT-(N) 39.780422 LONG-(W) 80.670770
 NAD'83 UTM (M) N. 4,403,438.5 E. 528,192.9

T.H. A.D.

REFERENCES



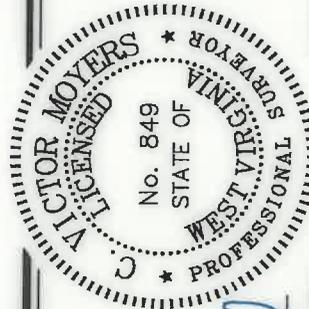
NO.	Owner Name or No.	Tr.	Prop'd	Oil and Gas Right, Overlap	Well No.	Dist.
1	10*15557	A	9-7-21	RICKY L. WHITLATCH ET AL	780	216
2	10*15557	B	9-7-21	RICKY L. WHITLATCH ET AL	780	216
3	10*15557	C	9-7-21	RICKY L. WHITLATCH ET AL	780	216
4	10*15585	D	9-7-21	ANNA EMMERSON A/VA ANNIE ASTON	864	603
5	10*15586	D	9-7-21	BRANDY J. WHITEL	865	603
6	10*15589	D	9-7-21	CHARLES A. NINE	865	603
7	10*15589	D	9-7-21	DAVID E. NINE	865	603
8	10*15584	D	9-7-21	DAVID HEINZEROTH	865	603
9	10*15584	D	9-7-21	DAVID HEINZEROTH	865	603
10	10*15589	D	9-7-21	DELA M. BURNEY A/VA MAXINE ASTON	864	595
11	10*15579	D	9-7-21	DIANE ASTON	849	274
12	10*15587	D	9-7-21	DONALD ASTON	849	274
13	10*15587	D	9-7-21	DOUGLAS PAUL HEINZEROTH BY HIS AIF	871	195
14	10*15584	D	9-7-21	EMILY M. HEINZEROTH	849	274
15	10*15583	D	9-7-21	EMMA ANNE CAUS A/VA EMA ASTON	848	271
16	10*15540	D	9-7-21	GEORGE E. HENNINGER	865	612
17	10*15564	D	9-7-21	GLADYS M. NINE	865	603
18	10*15617	D	9-7-21	GLADYS M. NINE	865	603
19	10*15520	D	9-7-21	GLER MATTHEW LAURITON	840	319
20	10*15568	D	9-7-21	HEMY W. ASTON	847	318
21	10*15584	D	9-7-21	ISACK ASTON / IZALIE ASTON	865	603
22	10*15589	D	9-7-21	JANE L. NINE	847	317
23	10*15584	D	9-7-21	JANE L. NINE	847	317
24	10*15520	D	9-7-21	CARA ROMAN FRESE AND GEORGE H. FRESE	905	518
25	10*15579	D	9-7-21	CAROLYN LEE FURRY AND MARTIN J. FURRY	848	289
26	10*15748	D	9-7-21	JAY LEROY NINE	805	351
27	10*15522	D	9-7-21	CHARLES BERRY	805	350
28	10*15589	D	9-7-21	CHAMURE M. EMBLE AND KEVIN E. EMBLE	809	594
29	10*15587	D	9-7-21	DANA L. GOODMAN	809	596
30	10*15587	D	9-7-21	DANA L. GOODMAN	809	596
31	10*47051,295.5	D	9-7-21	DANA BERRY COPLAND	805	533
32	10*16019	D	9-7-21	DANA BERRY COPLAND	805	533
33	10*15726	D	9-7-21	JENNIFER SEAVER	853	272
34	10*15726	D	9-7-21	DANIEL W. HEINZEROTH AND KATHLEEN E. HEINZEROTH	814	218
35	10*15694	D	9-7-21	DANIELLE ROMAN OSTER AND LOUIS MICHAEL OSTER	905	501
36	10*15589	D	9-7-21	DANNY SHAWN KENNIS AND LORRY KENNIS	805	518
37	10*15589	D	9-7-21	JOSEPH ASTON JR BY ATTORNEY IN FACT CORNIE LYONS	848	289
38	10*47051,295.5	D	9-7-21	JOSEPH ASTON JR BY ATTORNEY IN FACT CORNIE LYONS	848	289
39	10*15589	D	9-7-21	DIANE SMITH KNIGHT	805	497
40	10*15628	D	9-7-21	JUDITH A. CHENE	849	418
41	10*15628	D	9-7-21	DONALD J. JAYNOE JR AND KAREN S. JAYNOE	849	418
42	10*15448	D	9-7-21	DOUGLAS J. EMMERSON AND ALIA S. EMMERSON	815	189
43	10*15448	D	9-7-21	DOUGLAS J. EMMERSON AND ALIA S. EMMERSON	815	189
44	10*15448	D	9-7-21	DOUGLAS J. EMMERSON AND ALIA S. EMMERSON	815	189
45	10*15448	D	9-7-21	DOUGLAS J. EMMERSON AND ALIA S. EMMERSON	815	189
46	10*47051,295.5	D	9-7-21	EARL D. WELLMAN	805	412
47	10*15548	D	9-7-21	MATTHEW A. STAMMAER	807	608
48	10*15548	D	9-7-21	MATTHEW A. STAMMAER	807	608
49	10*15548	D	9-7-21	KENNETH L. DAVTON	852	366
50	10*15548	D	9-7-21	KENNETH L. DAVTON	852	366
51	10*15548	D	9-7-21	KENNETH L. DAVTON	852	366
52	10*15548	D	9-7-21	KENNETH L. DAVTON	852	366
53	10*47051,295.5	D	9-7-21	GRACE DAUB BOWEN	904	411
54	10*15644	D	9-7-21	HEATHER WHITMAN WASTON AND JOSEPH STILTON	904	411
55	10*15644	D	9-7-21	HEATHER WHITMAN WASTON AND JOSEPH STILTON	904	411
56	10*15619	D	9-7-21	HOWARD T. CONNER AND KAREN E. CONNER	904	415
57	10*15562	D	9-7-21	JAMES E. HINEMANCK JR AND KAREN HINEMANCK	883	354
58	10*15562	D	9-7-21	JAMES E. HINEMANCK JR AND KAREN HINEMANCK	883	354
59	10*15562	D	9-7-21	JAMES E. HINEMANCK JR AND KAREN HINEMANCK	883	354
60	10*15562	D	9-7-21	JAMES E. HINEMANCK JR AND KAREN HINEMANCK	883	354
61	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
62	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
63	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
64	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
65	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
66	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
67	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
68	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
69	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
70	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
71	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
72	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
73	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
74	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
75	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
76	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
77	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
78	10*15589	D	9-7-21	JENNIFER WELCHON	804	462
79	10*47051,295.6	D	9-7-21	PAUL ASTON A/VA JACK ASTON	848	277
80	10*15615	D	9-7-21	MARY BURKHART	804	618
81	10*15615	D	9-7-21	PAUL WAYNE RINE	804	618



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 26801 | 304.255.5296
slw.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



STATES TOPOGRAPHIC MAPS.

DATE MAY 26, 2020
REVISED JUNE 12, 2020
OPERATORS WELL NO. HEAVEN HILL 3-8HU

API WELL NO. 47-051-1967
STATE COUNTY PERMIT

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

MINIMUM DEGREE OF ACCURACY 1/2500
FILE NO. 8654P8HUADR.dwg
SCALE 1" = 2000'
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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

LOCATION: GROUND = 1,339.40'
PROPOSED = 1,326.35'

ELEVATION _____ 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 - SEE SHEETS 1, 3, 4, & 5 ACREAGE 72.82±

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 POINT PLEASANT
 ESTIMATED DEPTH TVD: 11,789' / TMD: 22,395'

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