

11,020' B.H. AS DRILLED

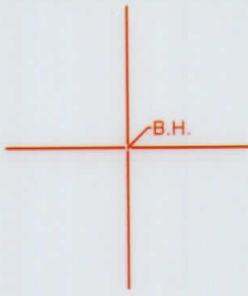
3,973' T.H. AS DRILLED

TEN HIGH 1S LEASE  
WELL 6HM  
TUG HILL OPERATING

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

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)		
NAD83 S.P.C.(FT)	N. 478,126.46	E. 1,636,777.36
NAD83 GEO.	LAT (N) 39.806714	LONG (W) 80.680810
NAD83 UTM (M)	N. 4,406,353.45	E. 527,322.64
LANDING POINT		
NAD83 S.P.C.(FT)	N. 477,636.4	E. 1,636,439.5
NAD83 GEO.	LAT (N) 39.805356	LONG (W) 80.681990
NAD83 UTM (M)	N. 4,406,202.4	E. 527,222.2
BOTTOM HOLE		
NAD83 S.P.C.(FT)	N. 468,871.3	E. 1,641,335.1
NAD83 GEO.	LAT (N) 39.781471	LONG (W) 80.664161
NAD83 UTM (M)	N. 4,403,557.0	E. 528,758.3

T.H. LONGITUDE 80°40'00"  
B.H. LONGITUDE 80°37'30"  
3,691' B.H. AS DRILLED  
9,697' T.H. AS DRILLED



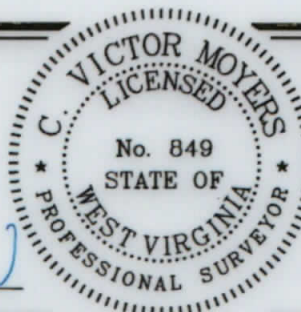
NOTES ON SURVEY

- 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 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 25801 | 304.255.5296  
slswv.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 JANUARY 17, 20 19  
REVISED MARCH 24, 20 20  
OPERATORS WELL NO. TEN HIGH 1S-6HM  
API WELL NO. 47 - 051 - 1973  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8655P6HMADR.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  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: GROUND = 1,318.70' PROPOSED = 1,310.06' WATERSHED MIDDLE BOWMAN RUN OF FISH CREEK (HUC 10)  
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER LAWRENCE & SHIRLEY CONKLE ESTS ACREAGE 139.79±  
ROYALTY OWNER ANDY PAUL & JACKIE KUHN, ET AL - WW-6A1 ACREAGE 139.79±

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: 6,865' / TMD: 17,151'

COUNTY NAME  
PERMIT

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

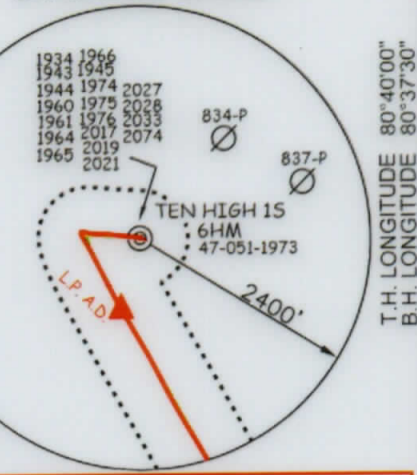
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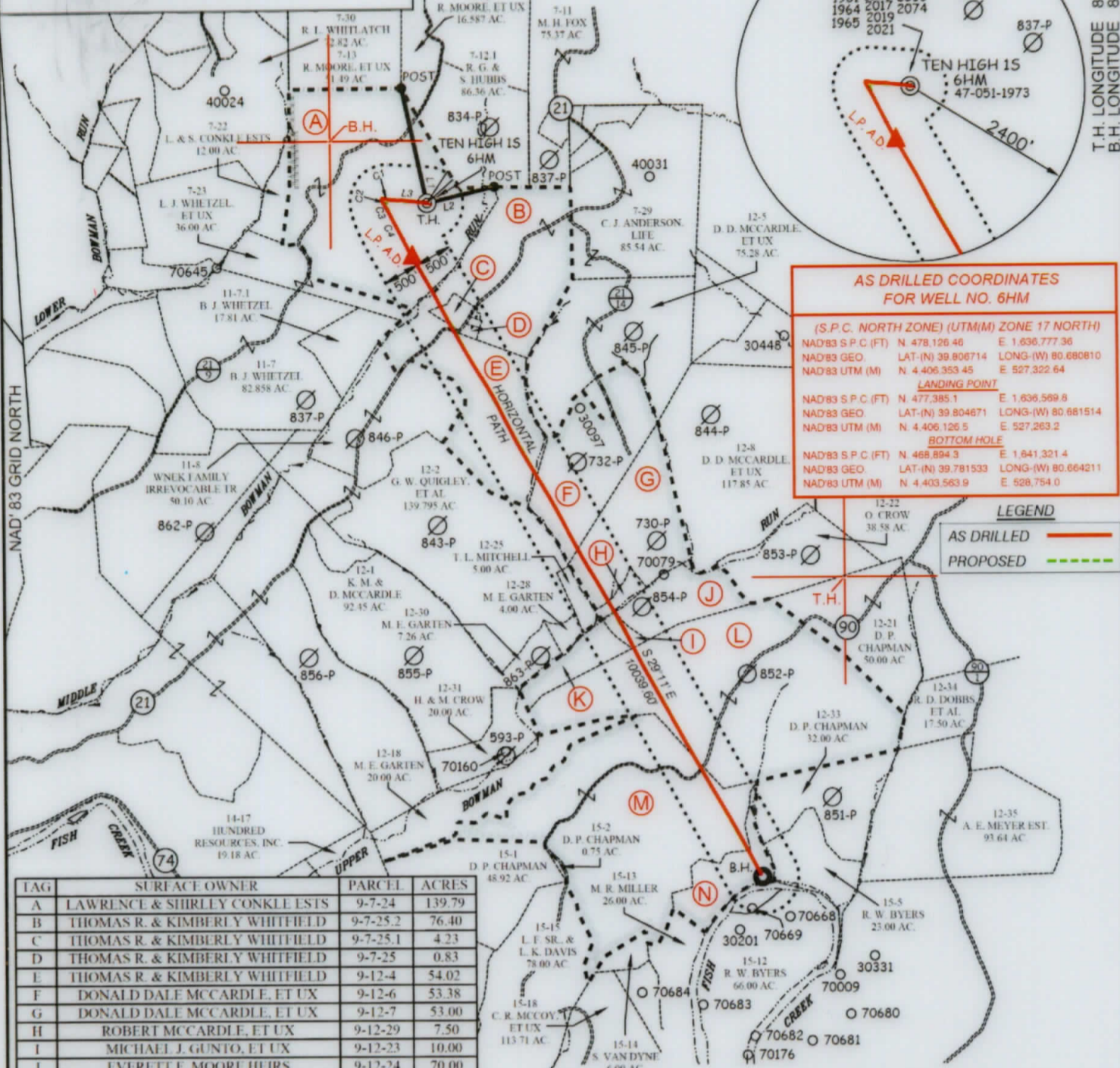
**TEN HIGH 1S LEASE  
WELL 6HM  
TUG HILL OPERATING**

LINE	BEARING	DISTANCE
L1	N 11°51' W	1615.56'
L2	N 77°01' E	957.10'
L3	N 86°07' W	546.40'

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



T.H. LONGITUDE 80°40'00"  
B.H. LONGITUDE 80°37'30"



**AS DRILLED COORDINATES  
FOR WELL NO. 6HM**

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<b>LANDING POINT</b>		
NAD83 S.P.C. (FT)	N. 477,385.1	E. 1,636,599.8
NAD83 GEO.	LAT-(N) 39.804671	LONG-(W) 80.681514
NAD83 UTM (M)	N. 4,406,126.5	E. 527,263.2
<b>BOTTOM HOLE</b>		
NAD83 S.P.C. (FT)	N. 468,894.3	E. 1,641,321.4
NAD83 GEO.	LAT-(N) 39.781533	LONG-(W) 80.664211
NAD83 UTM (M)	N. 4,403,563.9	E. 528,754.0

**LEGEND**

AS DRILLED	— (Solid Line)
PROPOSED	- - - (Dashed Line)

TAG	SURFACE OWNER	PARCEL	ACRES
A	LAWRENCE & SHIRLEY CONKLE ESTS	9-7-24	139.79
B	THOMAS R. & KIMBERLY WHITEFIELD	9-7-25.2	76.40
C	THOMAS R. & KIMBERLY WHITEFIELD	9-7-25.1	4.23
D	THOMAS R. & KIMBERLY WHITEFIELD	9-7-25	0.83
E	THOMAS R. & KIMBERLY WHITEFIELD	9-12-4	54.02
F	DONALD DALE MCCARDLE, ET UX	9-12-6	53.38
G	DONALD DALE MCCARDLE, ET UX	9-12-7	53.00
H	ROBERT MCCARDLE, ET UX	9-12-29	7.50
I	MICHAEL J. GUNTO, ET UX	9-12-23	10.00
J	EVERETT F. MOORE HLIRS	9-12-24	70.00
K	GARY L. DOBBS	9-12-37	20.00
L	DAVID P. CHAPMAN	9-12-32	150.00
M	SUSAN VAN DYNE	9-15-3	167.00
N	ROBERT FRANK KOITSON, ET AL	9-15-4	26.40

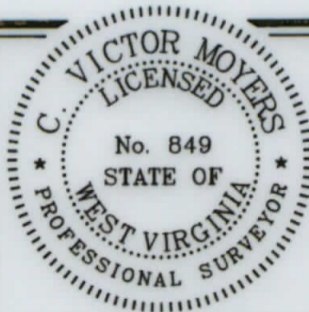
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	18.98'	12.82'	S 44°54' W	17.30'
C2	45.63'	145.20'	S 06°05' E	45.45'
C3	148.80'	1019.23'	S 19°38' E	148.67'
C4	368.72'	3691.14'	S 26°33' E	368.57'



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

P.S. 849 *C. Victor Moyers*

**LEGEND**

LEASE LINE	— (Dashed)
SURFACE LINE	— (Dashed)
WELL LATERAL	— (Dashed)
OFFSET LINE	— (Dashed)
TIE LINE	— (Dashed)
CREEK	— (Wavy)
ROAD	— (Solid)
COUNTY ROUTE	— (Solid)
PROPOSED WELL	⊙ (Dashed)
EXISTING WELL	⊙ (Solid)
PERMITTED WELL	⊙ (Solid)
TAX MAP-PARCEL	00-00
SURFACE OWNER (SEE TABLE)	(A)
LEASE # (SEE WW-6A1)	(A)

SCALE 1" = 2000' FILE NO. 8655P6HMADR.dwg  
 DATE JANUARY 17, 20 19  
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 API WELL NO. 47 — 051 — 1973  
 NO. STATE COUNTY PERMIT

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 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

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 FORT WORTH, TX 76107 CHARLESTON, WV 25313

COUNTY NAME PERMIT