

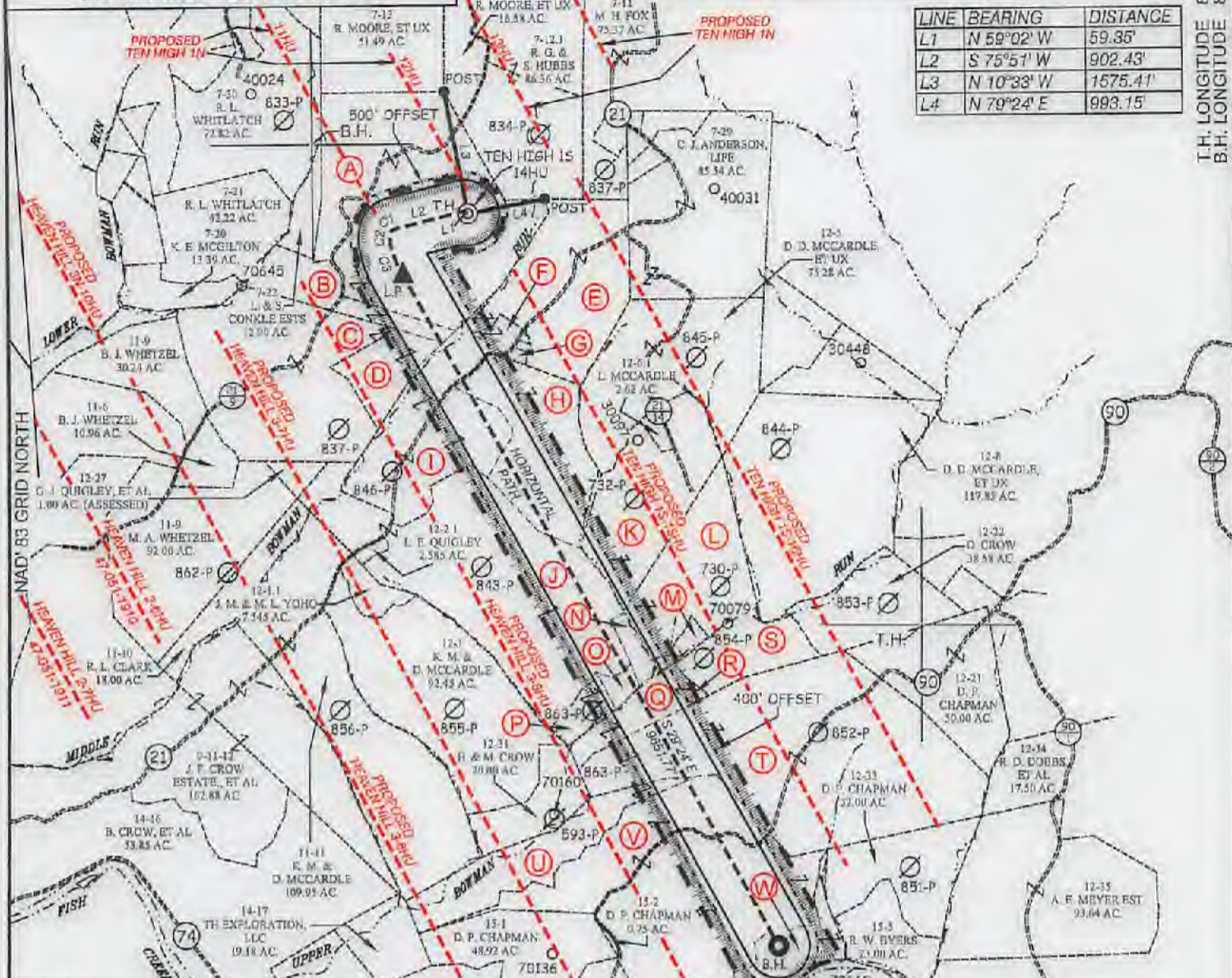
**TEN HIGH 1S LEASE
UTICA UNIT - 328.13 AC. ±
WELL 14HU
TUG HILL OPERATING**

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

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	62.27'	71.78'	S 48°20' W	60.33'
C2	130.83'	261.59'	S 04°31' W	129.47'
C3	448.81'	1281.71'	S 20°31' E	448.52'

LINE	BEARING	DISTANCE
L1	N 59°02' W	59.35'
L2	S 75°51' W	902.43'
L3	N 10°33' W	1575.41'
L4	N 79°24' E	993.15'

T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°37'30"
3,622' B.H.
9,665' T.H.



TAG	SURFACE OWNER	PARCEL	ACRES
A	LAWRENCE & SHIRLEY CONKLE ESTS	9-7-29	139.79
B	LARRY J. WHETZEL, ET UX	9-7-23	36.00
C	BRENDA J. WHETZEL	9-11-7	82.85
D	BRENDA J. WHETZEL	9-11-7-1	17.81
E	THOMAS R. & KIMBERLY WHITFIELD	9-7-25-2	76.40
F	THOMAS R. & KIMBERLY WHITFIELD	9-7-25-1	4.23
G	THOMAS R. & KIMBERLY WHITFIELD	9-7-25	0.83
H	THOMAS R. & KIMBERLY WHITFIELD	9-12-4	54.02
I	WNEK FAMILY IRREVOCABLE TR	9-11-8	50.10
J	GERALD W. QUIGLEY, ET AL	9-12-2	139.79
K	DONALD DALE MCCARDLE, ET UX	9-12-6	53.38
L	DONALD DALE MCCARDLE, ET UX	9-12-7	53.00

TAG	SURFACE OWNER	PARCEL	ACRES
M	ROBERT MCCARDLE, ET UX	9-12-29	7.50
N	TAMMY L. MITCHELL	9-12-25	5.00
O	MYRTLE ELIZABETH GARTEN	9-12-28	4.00
P	MYRTLE ELIZABETH GARTEN	9-12-30	7.26
Q	GARY L. DOBBS	9-12-37	20.00
R	MICHAEL J. GUNTO, ET UX	9-12-23	10.00
S	EVERETT F. MOORE HEIRS	9-12-24	70.00
T	DAVID P. CHAPMAN	9-12-32	150.00
U	MYRTLE ELIZABETH GARTEN	9-12-18	20.00
V	SUSAN VAN DYNE	9-15-3	167.00
W	ROBERT FRANK KOTSON, ET AL	9-15-4	26.40

SLS
Land & Energy Development
Solutions from the ground up.
P.O. Box 158 • 12 Venable Drive • Glenville, WV 26031 • (264) 427-5934
www.slsenergy.com

P.S. 677
Gregory A. Smith

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
NAD83 S.P.C. (FT) N. 478,158.76 E. 1,036,733.80
NAD83 GEO. LAT. (N) 39.906801 LONG. (W) 80.680967
NAD83 UTM (M) N. 4,406,363.07 E. 527,309.20

LANDING POINT
NAD83 S.P.C. (FT) N. 477,381.2 E. 1,035,900.1
NAD83 GEO. LAT. (N) 39.804637 LONG. (W) 80.683866
NAD83 UTM (M) N. 4,406,122.0 E. 527,081.9

BOTTOM HOLE
NAD83 S.P.C. (FT) N. 469,971.8 E. 1,640,646.1
NAD83 GEO. LAT. (N) 39.781722 LONG. (W) 80.666617
NAD83 UTM (M) N. 4,403,584.1 E. 528,547.9



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

LEGEND

- UNIT BOUNDARY
- LEASED TRACTS INSIDE UNIT BOUNDARY
- SURFACE LINE
- DEED WELL LATERAL WITHIN 3000'
- WELL LATERAL
- 400' OFFSET LINE
- 500' OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- SURFACE OWNER (SEE TABLE-SHEET 2)
- LEASE # (SEE SHEETS 3,4,5 & 6)

SCALE 1" = 2000' FILE NO. 3655P14HUR2.dwg
DATE AUGUST 14 20 17
REVISED JANUARY 12, 2018 & MARCH 22, 2018
OPERATORS WELL NO. TEN HIGH 1S-14HU
API WELL NO. 47 — 051 — 01966 HGA
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

07/20/2018

COUNTY NAME PERMIT

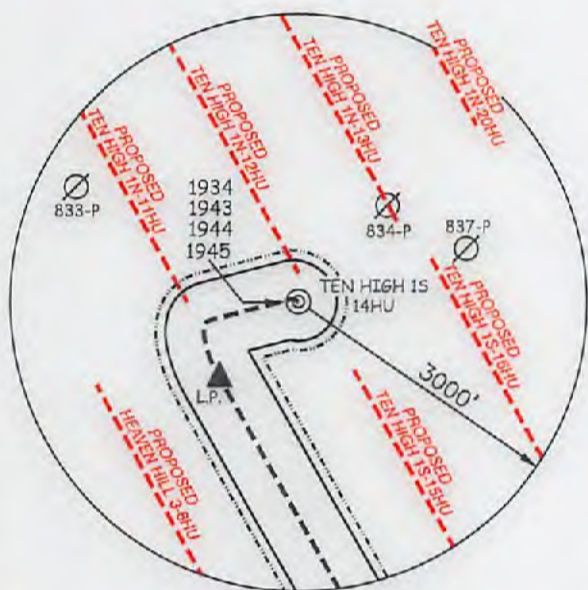
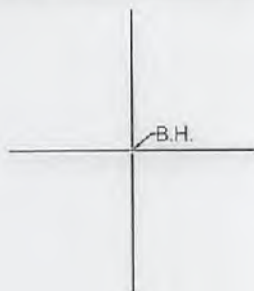
**TEN HIGH 1S LEASE
UTICA UNIT - 328.13 AC. ±
WELL 14HU
TUG HILL OPERATING**

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

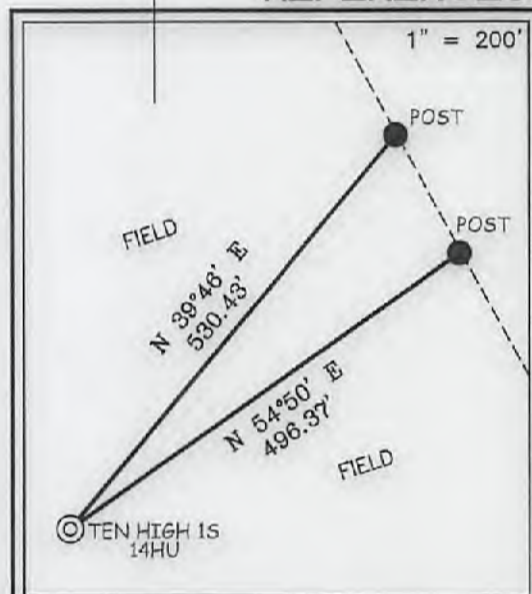
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD'83 S.P.C.(FT)	N. 470,159.76	E. 1,636,733.80	
NAD'83 GEO.	LAT-(N) 39.806801	LONG-(W) 80.680967	
NAD'83 UTM (M)	N. 4,406,363.07	E. 527,309.20	
LANDING POINT			
NAD'83 S.P.C.(FT)	N. 477,361.2	E. 1,635,909.1	
NAD'83 GEO.	LAT-(N) 39.804637	LONG-(W) 80.663866	
NAD'83 UTM (M)	N. 4,408,122.0	E. 527,081.9	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 468,971.8	E. 1,640,646.1	
NAD'83 GEO.	LAT-(N) 39.781722	LONG-(W) 80.666617	
NAD'83 UTM (M)	N. 4,403,584.1	E. 526,547.9	

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

3,622' B.H.
9,665' 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. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE AUGUST 14, 20 17
REVISED JANUARY 12, 2018 & MARCH 22, 2018
OPERATORS WELL NO. TEN HIGH 1S-14HU
API WELL NO. 47-051-01966 **H6A**
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8655P14HUR2.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 <input type="checkbox"/>	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION <input type="checkbox"/>	WASTE DISPOSAL <input type="checkbox"/>	IF "GAS" PRODUCTION <input checked="" type="checkbox"/>	STORAGE <input type="checkbox"/>	DEEP <input checked="" type="checkbox"/>	SHALLOW <input type="checkbox"/>
LOCATION:	GROUND = 1,323.00'		PROPOSED = 1,310.06'		WATERSHED <u>MIDDLE BOWMAN RUN OF FISH CREEK (HUC 10)</u>			
DISTRICT:	<u>MEADE</u>		COUNTY <u>MARSHALL</u>		QUADRANGLE <u>GLEN EASTON 7.5'</u>			
SURFACE OWNER:	<u>LAWRENCE & SHIRLEY CONKLE ESTS</u>				ACREAGE <u>139.79±</u>			
ROYALTY OWNER:	<u>ANDY PAUL & JACKIE KUHN, ET AL - SEE SHEETS 3, 4, 5 & 6</u>				ACREAGE <u>139.79±</u>		07/20/2018	
PROPOSED WORK:	DRILL <input checked="" type="checkbox"/>		CONVERT <input type="checkbox"/>	DRILL DEEPER <input type="checkbox"/>	REDRILL <input type="checkbox"/>	FRACTURE OR STIMULATE <input checked="" type="checkbox"/>	PLUG OFF OLD FORMATION <input type="checkbox"/>	PERFORATE NEW FORMATION <input type="checkbox"/>
PHYSICAL CHANGE IN WELL (SPECIFY)			PLUG AND ABANDON <input type="checkbox"/>		CLEAN OUT AND REPLUG <input type="checkbox"/>		OTHER <input type="checkbox"/>	
TARGET FORMATION:					<u>POINT PLEASANT</u>			
ESTIMATED DEPTH:					<u>TVD: 11,878' / TMD: 21,759'</u>			

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

COUNTY NAME PERMIT