

8,192' B.H. 4,010' T.H. LATITUDE 39°50'00"

TEN HIGH 1N LEASE
WELL 11HU
TUG HILL OPERATING

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

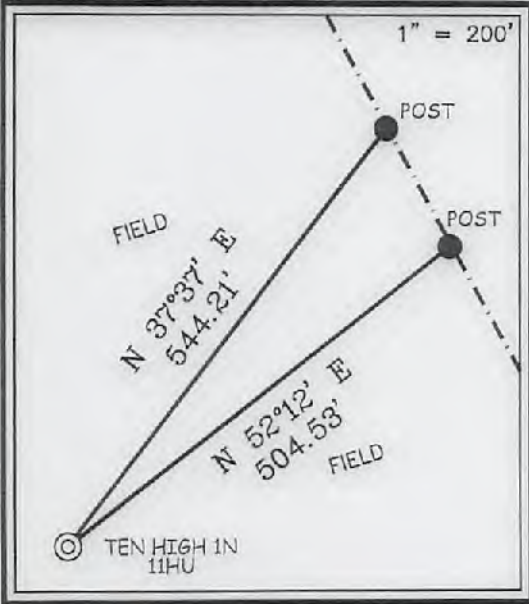
NAD'83 S.P.C.(FT)	N. 478,135.89	E. 1,636,740.94
NAD'83 GEO.	LAT-(N) 39.806737	LONG-(W) 80.680940
NAD'83 UTM (M)	N. 4,406,355.98	E. 527,311.48
<u>LANDING POINT</u>		
NAD'83 S.P.C.(FT)	N. 478,166.4	E. 1,635,576.7
NAD'83 GEO.	LAT-(N) 39.808780	LONG-(W) 80.685078
NAD'83 UTM (M)	N. 4,406,359.5	E. 526,957.3
<u>BOTTOM HOLE</u>		
NAD'83 S.P.C.(FT)	N. 483,476.3	E. 1,632,627.8
NAD'83 GEO.	LAT-(N) 39.821249	LONG-(W) 80.685833
NAD'83 UTM (M)	N. 4,407,982.2	E. 526,031.2

B.H.

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 525' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'

REFERENCES



TH

TAG	SURFACE OWNER	PARCEL	ACRES
A	LAWRENCE & SHIRLEY CONKLE ESTS	9-7-24	139.79
B	ROBERT G. HUBBS & SCARLETT E. OTTE	9-7-12.1	86.363
C	RONALD MOORE, ET UX	9-7-12	16.587
D	LAWRENCE & SHIRLEY CONKLE ESTS	9-7-22	12.00
E	RICKY L. WHITLATCH	9-7-30	72.82
F	ANDREW CORBY WHITLATCH	9-7-30.1	4.55
G	RONALD MOORE, ET UX	9-7-13	51.49
H	RICKY L. WHITLATCH	9-7-15	7.54
I	ARNIE GOODNIGHT, ET UX	9-7-14	39.55
J	TERESA L. HORNER, ET AL	9-7-6	103.30
K	ARNIE GOODNIGHT, ET UX	9-7-5	62.18
L	ELMER ASTON	9-5-4	108.225
M	MICHAEL JOSEPH SNYDER	9-5-5.4	64.00
N	KELLY WILSON, ET AL	9-5-18	5.807
O	CARLA SUE CROW	9-5-17	6.341
P	MICHAEL JOSEPH SNYDER	9-5-5	35.02



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 JULY 21, 20 17
REVISED JANUARY 10 & FEBRUARY 8, 20 18
OPERATORS WELL NO. TEN HIGH 1N-11HU
API WELL NO. 47-051-01960 ^{H6A}
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 8655P11HUR2.dwg
SCALE 1" = 1000'
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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: ELEVATION GROUND = 1,321.10' 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 LARRY LEE CONKLE, ET AL - SEE PGS. 3, 4, 5, 6 & 7 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

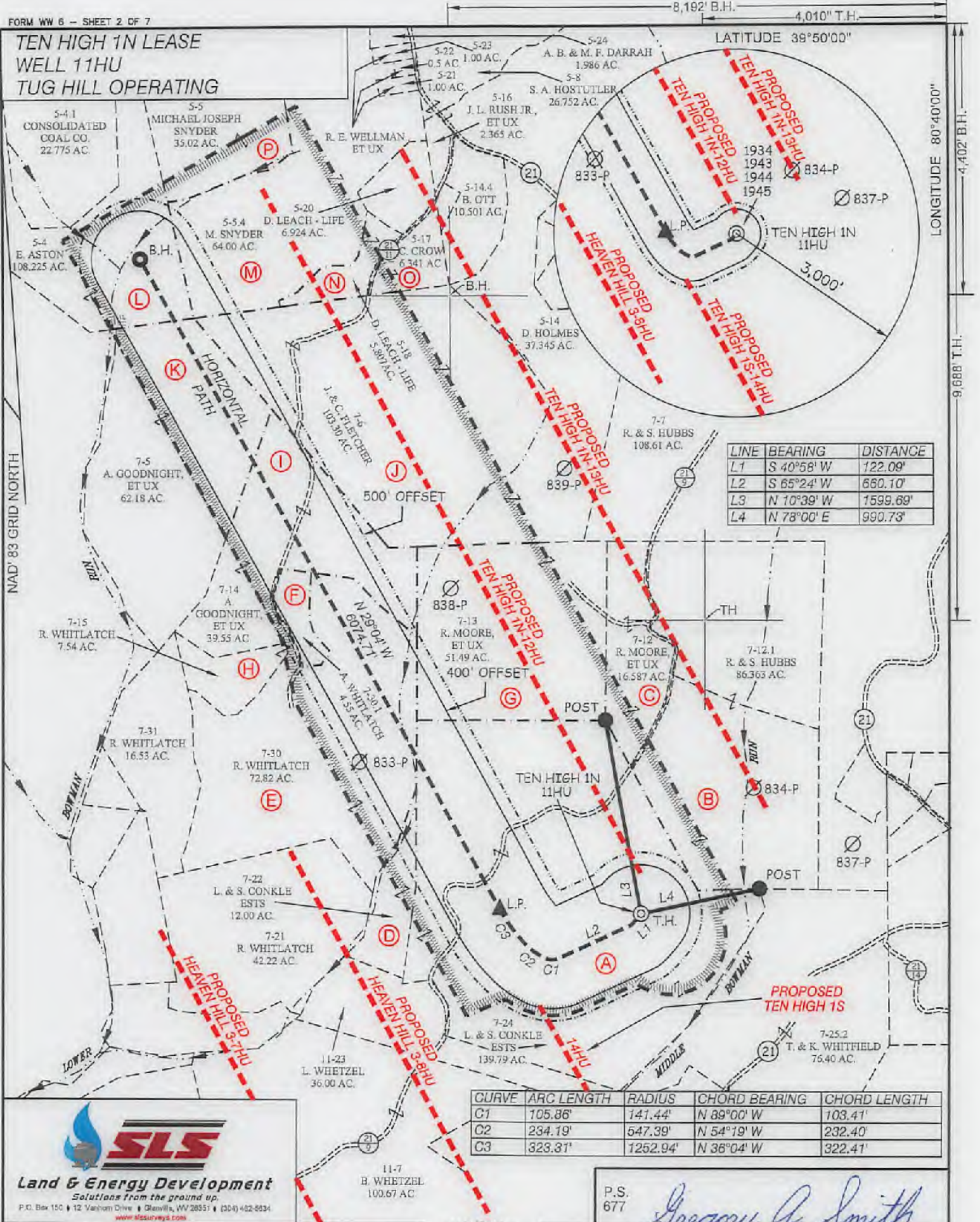
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION POINT PLEASANT
ESTIMATED DEPTH TVD: 11,878' / TMD: 18,197'

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

LONGITUDE 80°40'00" 4,402' B.H. 9,688' T.H.

COUNTY NAME PERMIT

**TEN HIGH 1N LEASE
WELL 11HU
TUG HILL OPERATING**



CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	105.86'	141.44'	N 89°00' W	103.41'
C2	234.19'	547.39'	N 54°19' W	232.40'
C3	323.31'	1252.94'	N 36°04' W	322.41'

SLS
Land & Energy Development
Solutions from the ground up.
P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26031 • (304) 482-8834
www.slsurveys.com

P.S.
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Gregory A. Smith

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

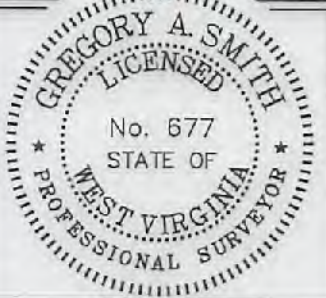
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

LEGEND

- UNIT BOUNDARY
- LEASED TRACTS INSIDE UNIT BOUNDARY
- SURFACE LINE
- DEED WELL LATERAL WITHIN 300'
- 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 1)
- LEASE # (SEE PGS. 3,4,5,6&7)

06/15/2018

SCALE 1" = 1000' FILE NO. 6555P11HUR2.dwg

DATE JULY 21, 20 17

REVISED JANUARY 10 & FEBRUARY 8, 20 18

OPERATORS WELL NO. TEN HIGH 1N-11HU

API WELL NO. 47 - OS1 - 01960 H6A

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 CT CORPORATION SYSTEM ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313