

**TEN HIGH 1N LEASE
WELL 3HM
TUG HILL OPERATING**

7,273' B.H. 3,961' T.H.

LATITUDE 39°50'00"

LONGITUDE 80°40'00"
3,459' B.H.
9,700' T.H.

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 478,123.49 E. 1,636,789.50
 NAD'83 GEO. LAT.(N) 39.806706 LONG.(W) 80.680767
 NAD'83 UTM (M) N. 4,406,352.60 E. 527,326.35
LANDING POINT
 NAD'83 S.P.C.(FT) N. 478,493.5 E. 1,636,847.2
 NAD'83 GEO. LAT.(N) 39.807724 LONG.(W) 80.680579
 NAD'83 UTM (M) N. 4,406,465.6 E. 527,342.0
BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 484,407.2 E. 1,633,559.3
 NAD'83 GEO. LAT.(N) 39.823838 LONG.(W) 80.692561
 NAD'83 UTM (M) N. 4,408,250.5 E. 526,310.3

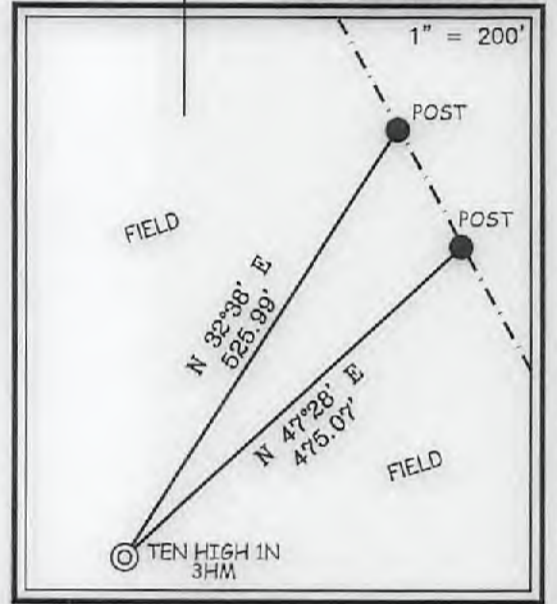
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	11.91'	28.53'	S 64°15' E	11.82'
C2	17.27'	11.85'	N 73°55' E	15.78'
C3	15.07'	30.27'	N 08°49' E	14.91'
C4	108.26'	396.36'	N 14°03' W	107.93'
C5	466.81'	3187.47'	N 26°32' W	465.89'

No.	Lease Name or No.	Tag	Parcel	Oil & Gas Royalty Owners	Deed Book/Page
1	10*15662	A	9-7-24	LARRY LEE CONKLE	663 354
2	10*15663	A	9-7-24	ROY A CONKLE SR	663 311
3	10*15664	A	9-7-24	THERESA ANNE HUGHES	663 343
4	10*15666	A	9-7-24	BRENDA J WHEITZEL	663 635
5	10*18049	A	9-7-24	DANNY SHAWN KERNS AND AMY LYNN KERNS	905 518
6	10*16820	A	9-7-24	ROBERTA ANN AND DAVID S GIBB	919 237
7	10*17305	A	9-7-24	MYSTI JOANNE GOODMAN	927 468
8	10*17370	A	9-7-24	KELLY JUNE GOODMAN	927 470
9	10*47051.295.10	A	9-7-24	DEENA J PALOMO	905 470
10	10*47051.295.11	A	9-7-24	REGINA D FIGUEROA AND DAVID FIGUEROA	905 435
11	10*47051.295.12	A	9-7-24	EARL D WELLMAN	905 432
12	10*47051.295.13	A	9-7-24	THE DOLLYE F WOOD REVOCABLE TRUST BY NICHOLAS CHARLES WOOD AS TRUSTEE	904 641
13	10*47051.295.3	A	9-7-24	HAZEL ARIZONA MOORE REYNOLDS	904 672
14	10*47051.295.4	A	9-7-24	LLOYD D MOORE	904 459
15	10*47051.295.5	A	9-7-24	DALE R MOORE	904 635
16	10*47051.295.6	A	9-7-24	MARYI BURKHART	904 638
17	10*47051.295.7	A	9-7-24	JEANNE V MELCHIORI	904 462
18	10*47051.295.9	A	9-7-24	JAMES E HIMELECK JR AND KAREN HIMELECK	904 465
19	10*15501	B	9-7-13	RONALD AND EDNA MOORE	661 449
20	10*15500	C	9-7-6	JERRY FLETCHER AND CAROLYN FLETCHER, HUSBAND AND WIFE	661 154
21	10*15502	C	9-7-6	SHERWOOD YEATER	661 454
22	10*15481	D	9-5-18	DEAN P RIGBY AND SUSAN RIGBY	908 197
23	10*15482	D	9-5-18	SUSAN NEISON	908 203
24	10*15674	D	9-5-18	DONALD E LEACH ET AL	908 209
25	10*15686	D	9-5-18	JOHN OMER BOLTZ	908 190
26	10*15750	D	9-5-18	SANDRA K TRULL	908 229
27	10*16068	D	9-5-18	MATTIE RUTH JACKSON PRESCOTT	908 231
28	10*16118	D	9-5-18	RUBY RIDDLE JACKSON	908 233
29	10*16383	D	9-5-18	ROBERT STEPHEN DRIGGERS	908 224
30	10*16414	D	9-5-18	MARY ELIZABETH DRIGGERS	908 208
31	10*16416	D	9-5-18	CYNTHIA HUDSON	908 219
32	10*16424	D	9-5-18	ROBERT J RIGBY	908 241
33	10*16448	D	9-5-18	RALPH LAND JUANITA L CRIM	908 594
34	10*16478	D	9-5-18	MARION LAND EMILY CAMPBELL	908 245
35	10*16514	D	9-5-18	ALEX BUSSELL AND JOYCE A CAMPBELL	908 248
36	10*16515	D	9-5-18	ANNA MARIE JACKSON	908 251
37	10*16516	D	9-5-18	WILSON ANDREW JACKSON	908 253
38	10*16662	D	9-5-18	RICHARD THOMAS AND VICKI J MIMS	908 263
39	10*16800	D	9-5-18	JAMES KENNETH JACKSON AND JULIE JACKSON	921 93
40	10*16806	D	9-5-18	VIRGINIA I WHITMAN	921 528

NOTES ON SURVEY

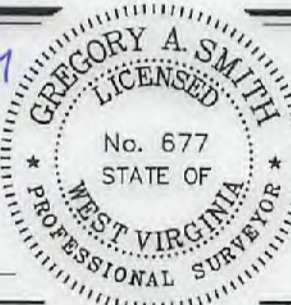
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'

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. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JUNE 15, 20 17
 REVISED _____, 20 ____
 OPERATORS WELL NO. TEN HIGH 1N-3HM
 API WELL NO. 47 - 051 - 01944
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8655P3HM.dwg
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

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

WELL TYPE: OIL _____ GAS X INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: GROUND = 1,317.20' ELEVATION PROPOSED = 1,310.06' WATERSHED MIDDLE BOWMAN RUN OF FISH CREEK (HUC-10)
 DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

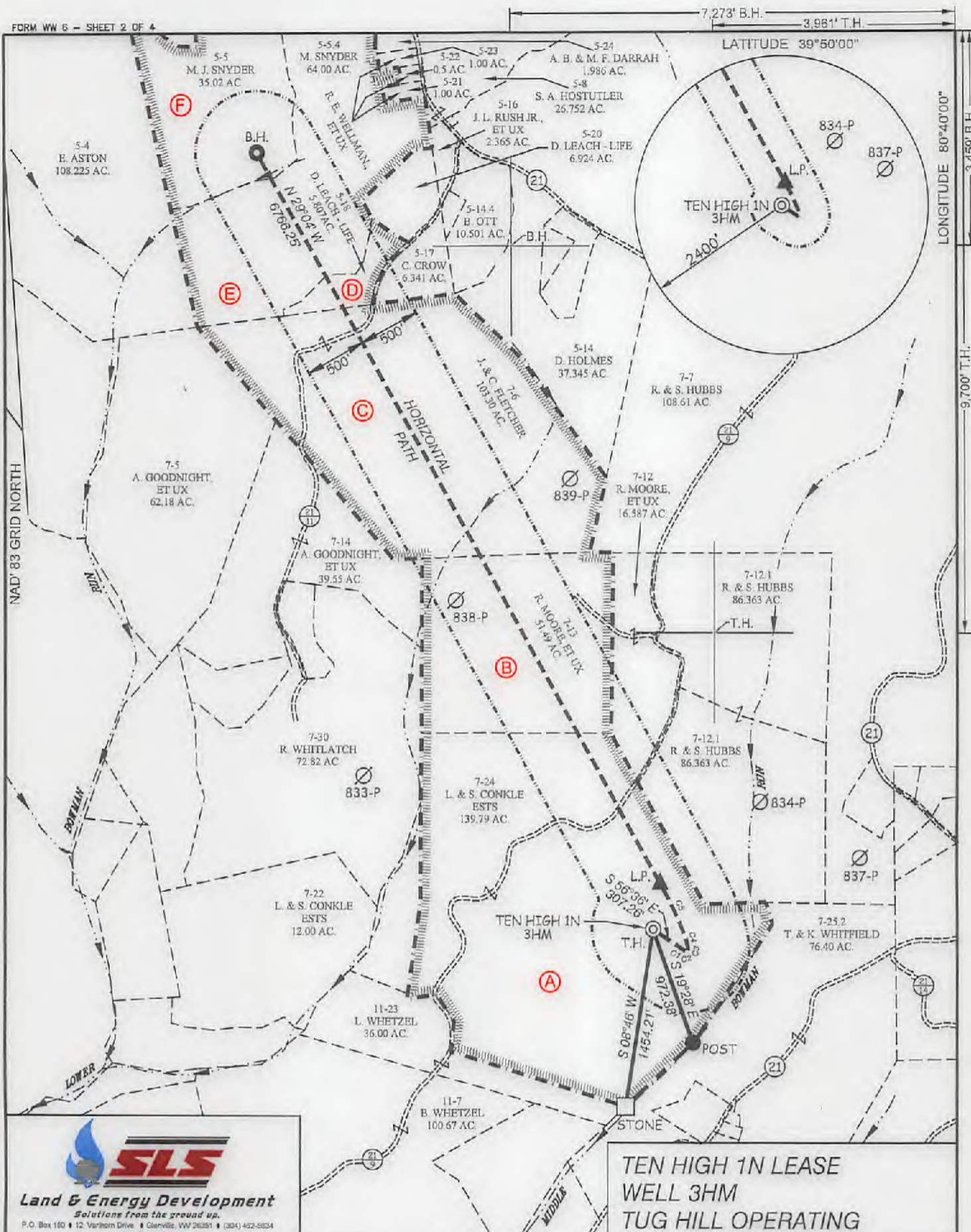
SURFACE OWNER LAWRENCE & SHIRLEY CONKLE ESTS ACREAGE 139.79±
 ROYALTY OWNER ANDY PAUL & JACKIE KUHN, ET AL - SEE TABLE ABOVE ACREAGE 139.79±

PROPOSED WORK: LEASE NO. SEE TABLE ABOVE
 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: 6,865' / TMD: 13,886'

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 PERMIT

09/22/2017



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Land & Energy Development
Solutions from the ground up.
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www.slsurveys.com

**TEN HIGH 1N LEASE
WELL 3HM
TUG HILL OPERATING**

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

NAD'83 S.P.C. (FT)	N. 478,123.48	E. 1,636,789.50
NAD'83 GEO.	LAT-(N) 39.906706	LONG-(W) 80.690767
NAD'83 UTM (M)	N. 4,406,352.60	E. 527,326.55

LANDING POINT

NAD'83 S.P.C. (FT)	N. 478,483.5	E. 1,636,847.2
NAD'83 GEO.	LAT-(N) 39.907724	LONG-(W) 80.690579
NAD'83 UTM (M)	N. 4,406,485.6	E. 527,642.0

BOTTOM HOLE

NAD'83 S.P.C. (FT)	N. 484,407.2	E. 1,639,559.3
NAD'83 GEO.	LAT-(N) 39.928838	LONG-(W) 80.692561
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

LEGEND

LEASE LINE	
SURFACE LINE	
WELL LATERAL	
OFFSET LINE	
TIE LINE	
CREEK	
ROAD	
COUNTY ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	
TAX MAP-PARCEL	00-00
LEASE # (SEE PAGES 1,3,4)	(A)

SCALE **1" = 1000'** FILE NO. **8655P3HMR.dwg**

DATE **JUNE 15**, 20 **17**

REVISED **SEPTEMBER 12**, 20 **17**

OPERATORS WELL NO. **TEN HIGH 1N-3HM**

API WELL NO. **47** - **051** - **01944**

NO. STATE COUNTY PERMIT

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

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

WELL OPERATOR **TUG HILL OPERATING, LLC**
ADDRESS **1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107**

COUNTY NAME
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09/22/2017