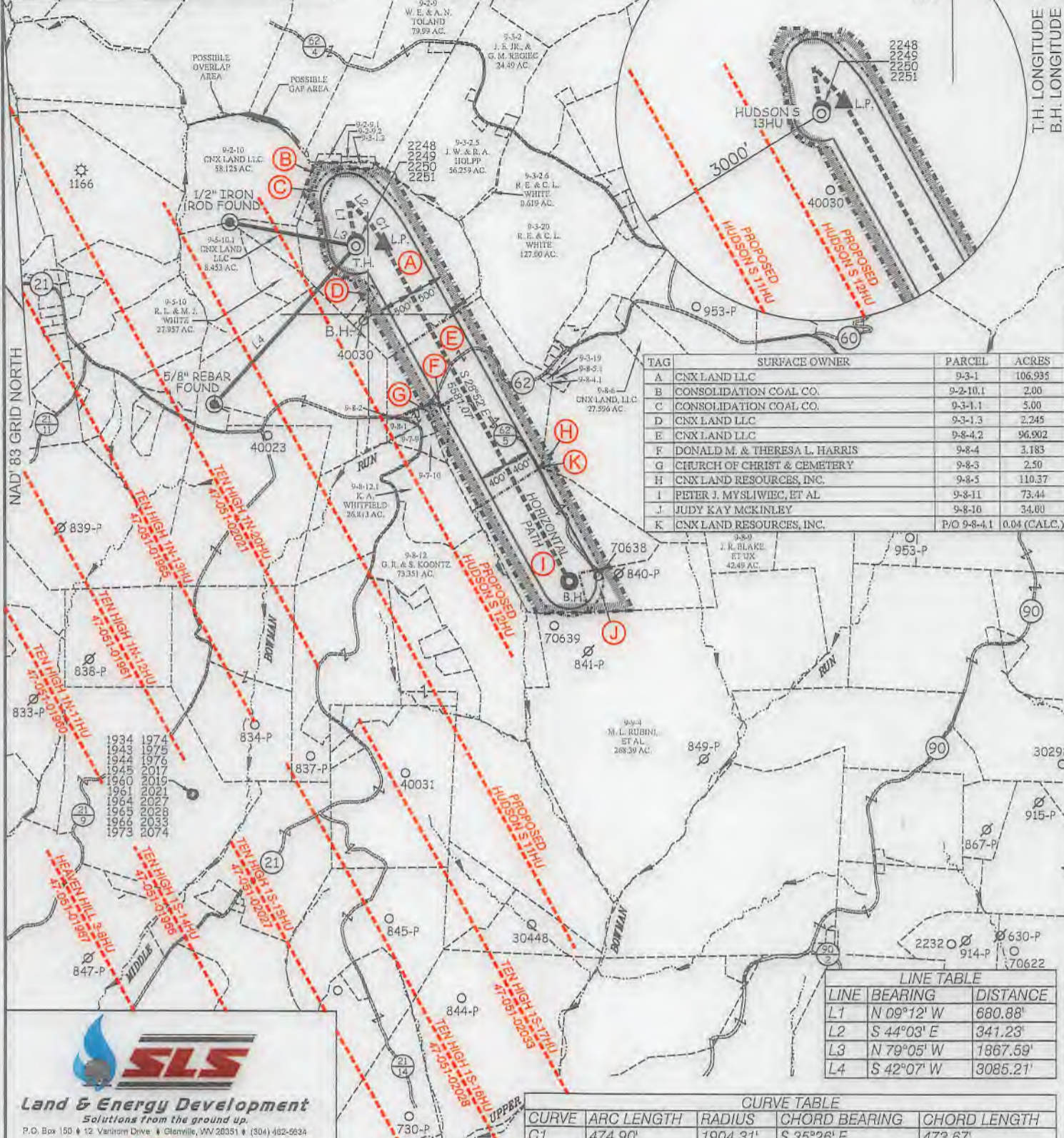


**HUDSON S LEASE
UTICA UNIT - 215.96 AC ±
WELL 13HU
TUG HILL OPERATING**

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

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

NAD 83 GRID NORTH



TAG	SURFACE OWNER	PARCEL	ACRES
A	CNX LAND LLC	9-3-1	106.935
B	CONSOLIDATION COAL CO.	9-2-10.1	2.00
C	CONSOLIDATION COAL CO.	9-3-1.1	5.00
D	CNX LAND LLC	9-3-1.3	2.245
E	CNX LAND LLC	9-8-4.2	96.902
F	DONALD M. & THERESA L. HARRIS	9-8-4	3.183
G	CHURCH OF CHRIST & CEMETERY	9-8-5	2.50
H	CNX LAND RESOURCES, INC.	9-8-5	110.37
I	PETER J. MYSLIWIEC, ET AL	9-8-11	73.44
J	JUDY KAY MCKINLEY	9-8-10	34.80
K	CNX LAND RESOURCES, INC.	P/O 9-8-4.1	0.04 (CALC.)

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 09°12' W	680.88'
L2	S 44°03' E	341.23'
L3	N 79°05' W	1867.59'
L4	S 42°07' W	3085.21'

CURVE TABLE

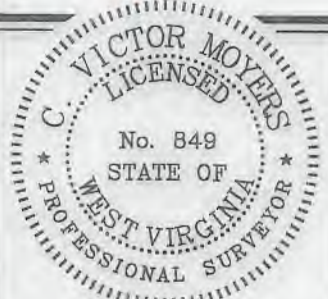
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	474.90'	1904.31'	S 35°26' E	473.67'



P.S. 849 *C. Victor Moyers*

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

NAD'83 S.P.C.(FT)	N. 486,092.49	E. 1,639,154.94
NAD'83 GEO.	LAT-(N) 39.828667	LONG-(W) 80.672716
NAD'83 UTM (M)	N. 4,408,792.45	E. 528,006.42
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 486,193.4	E. 1,639,558.0
NAD'83 GEO.	LAT-(N) 39.828794	LONG-(W) 80.671285
NAD'83 UTM (M)	N. 4,408,807.0	E. 528,129.0
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 481,245.5	E. 1,642,251.8
NAD'83 GEO.	LAT-(N) 39.815472	LONG-(W) 80.661469
NAD'83 UTM (M)	N. 4,407,331.5	E. 528,974.7



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

LEGEND

- UNIT BOUNDARY
- LEASED TRACTS INSIDE
- UNIT BOUNDARY
- SURFACE LINE
- PROPOSED UTICA
- WELL LATERAL
- 400' OFFSET LINE
- 500' OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE ADDITIONAL SHEETS)

SCALE 1" = 2000' FILE NO. 8911P13HUR.dwg
 HUDSON S-13HU REV3
 DATE AUGUST 23 20 19
 REVISED OCTOBER 22 20 19
 OPERATORS WELL NO. HUDSON S-13HU
 API WELL NO. 47-051-02293H6A
 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 CT CORPORATION SYSTEM 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

COUNTY NAME
 PERMIT

**HUDSON S LEASE
UTICA UNIT - 215.96 AC±
WELL 13HU
TUG HILL OPERATING**

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

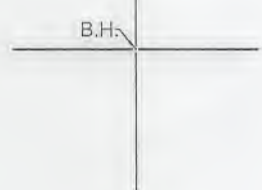
T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°37'30"

6,506' B.H.

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-2-9.1	CONSOLIDATION COAL CO.	1.00
9-2-9.2	CONSOLIDATION COAL CO.	1.00
9-3-1.2	CONSOLIDATION COAL CO.	1.00
9-3-19	CNX LAND CO. LLC	45 SQ. RODS & 3280 SQ. FT
9-5-13	SHELLY ANN JORDAN	5.51
9-7-9	CNX LAND CO. LLC	2.00
9-7-10	DONALD M. & THERESA L. HARRIS	3.00
9-8-1	CNX LAND CO. LLC	PT. OF 1 AC.
9-8-2	CNX LAND CO. LLC	6000 SQ. FT.
9-8-4.1	CNX LAND RESOURCES, INC.	0.333
9-8-5.1	CNX LAND LLC	1.040

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

NAD'83 S.P.C.(FT)	N. 486,092.49	E. 1,639,154.94
NAD'83 GEO.	LAT-(N) 39.828667	LONG-(W) 80.672718
NAD'83 UTM (M)	N. 4,408,792.45	E. 528,006.42
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 486,133.4	E. 1,639,558.0
NAD'83 GEO.	LAT-(N) 39.828794	LONG-(W) 80.671285
NAD'83 UTM (M)	N. 4,408,807.0	E. 528,129.0
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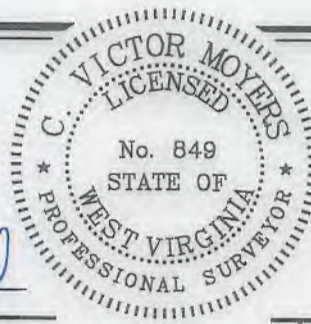


REFERENCES



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 ARE 1"=2000'
- PROPOSED LATERAL OR TOP HOLE OF HUDSON S-13HU IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF PROPOSED HUDSON S-11HU, PROPOSED HUDSON S-12HU.



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 AUGUST 23, 20 19
REVISED OCTOBER 22, 20 19

OPERATORS WELL NO. HUDSON S-13HU
API WELL NO. 47 - 051 - H6A 02293
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8911P13HUR.dwg HUDSON S-13HU REV3
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 X INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP X SHALLOW ___

LOCATION: GROUND = 1,370.20' ELEVATION PROPOSED = 1,344.81' WATERSHED GRAVE CREEK (HUC 10) DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER CNX LAND LLC ACREAGE 106.935±
ROYALTY OWNER CHARLENE L. BAKER, ET AL ACREAGE 106.935±

PROPOSED WORK: 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 POINT PLEASANT ESTIMATED DEPTH TVD: 11,961' / TMD: 17,799'

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

COUNTY NAME PERMIT