

**HUDSON S
WELL 5HM
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"

10,406' 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
9-5-11.1	MARK H. FOX	2.619
9-7-10	DONALD M. & THERESA L. HARRIS	3.00
9-8-1	CNX LAND CO. LLC	2.908
9-8-2	CNX LAND CO. LLC	6000 SQ. FT.
9-8-3	CHURCH OF CHRIST	LOT
9-8-4	DONALD M. & THERESA L. HARRIS	3.183
9-8-4.1	CNX LAND RESOURCES, INC.	0.333

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

NAD'83 S.P.C.(FT)	N. 486,126.41	E. 1,639,179.25
NAD'83 GEO.	LAT-(N) 39.828761	LONG-(W) 80.672633
NAD'83 UTM (M)	N. 4,408,802.91	E. 528,013.65
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 486,683.9	E. 1,639,194.9
NAD'83 GEO.	LAT-(N) 39.830292	LONG-(W) 80.672603
NAD'83 UTM (M)	N. 4,408,972.8	E. 528,015.6
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 477,318.5	E. 1,644,345.9
NAD'83 GEO.	LAT-(N) 39.804766	LONG-(W) 80.653835
NAD'83 UTM (M)	N. 4,406,145.8	E. 529,632.6

NOTES ON SURVEY

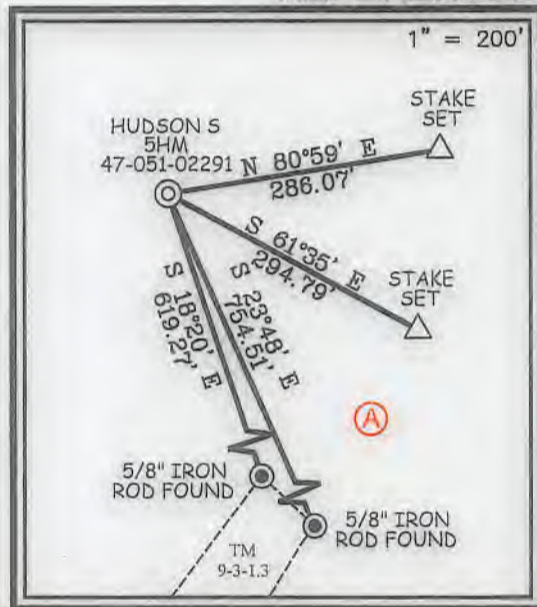
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS OR DWELLINGS ≥ 2500 SQ. FT. WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.



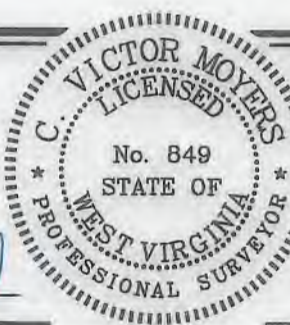
12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5654
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com



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. 849 *C. Victor Moyers*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JUNE 14, 20 19
REVISED JUNE 25, 2019, FEBRUARY 18, 2021
OPERATORS WELL NO. HUDSON S-5HM
API WELL NO. 47 - 051 - 02291
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8911P5HMR2.dwg
HUDSON S-5HM REV7
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: ELEVATION 1,346' 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 106.904

PROPOSED WORK: LEASE NO. SEE WW-6A1
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

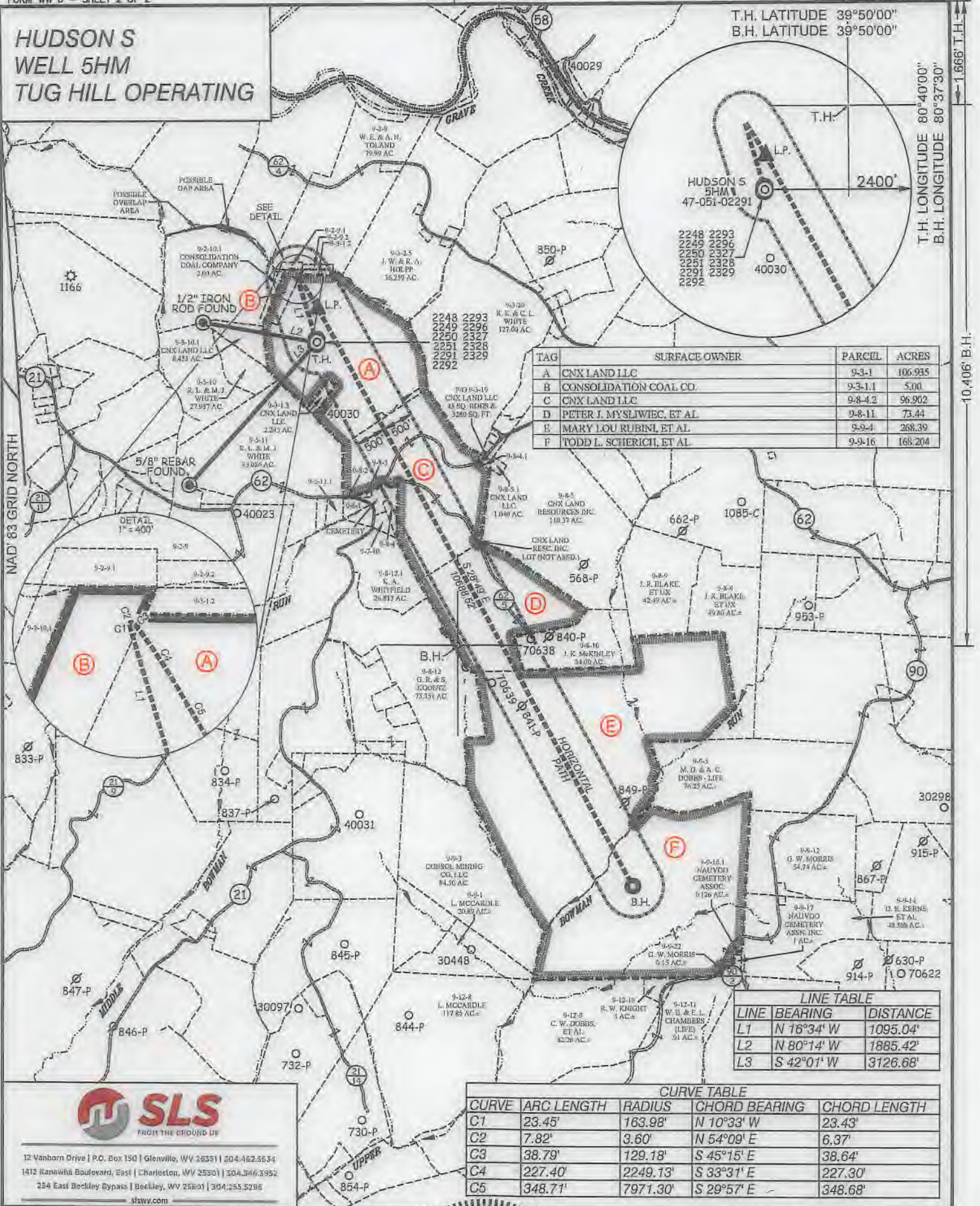
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TVD: 6,917' / TMD: 17,966'

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 ADDRESS CHARLESTON, WV 25313

COUNTY NAME PERMIT

04/16/2021

**HUDSON S
WELL 5HM
TUG HILL OPERATING**



TAG	SURFACE OWNER	PARCEL	ACRES
A	CNX LAND LLC	9-3-1	106.935
B	CONSOLIDATION COAL CO.	9-3-1.1	5.00
C	CNX LAND LLC	9-8-4.2	96.902
D	PETER J. MYSLIWIEC, ET AL	9-8-11	73.44
E	MARY LOU RUBINI, ET AL	9-9-4	268.39
F	TODD L. SCHERICHI, ET AL	9-9-16	168.204

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 16°34' W	1095.04'
L2	N 80°14' W	1885.42'
L3	S 42°01' W	3126.68'

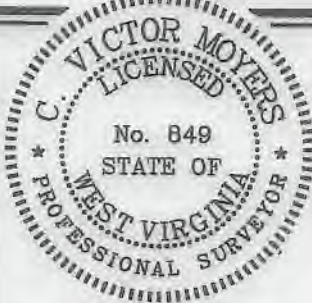
CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	23.45'	163.98'	N 10°33' W	23.43'
C2	7.82'	3.60'	N 54°09' E	6.37'
C3	38.79'	129.18'	S 45°15' E	38.64'
C4	227.40'	2249.13'	S 33°31' E	227.30'
C5	348.71'	7971.30'	S 29°57' E	348.68'



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P.S. *C. Victor Moyers*
 849

LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP-PARCEL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-6A1)

SCALE 1" = 2000' FILE NO. 8911P5HMR2.dwg
 DATE JUNE 14, 20 19
 REVISED JUNE 25, 2019, FEBRUARY 18, 2021
 OPERATORS WELL NO. HUDSON S-5HM MOD
 API WELL NO. 47-051-02291
 STATE COUNTY PERMIT

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



WELL OPERATOR TUG HILL OPERATING, LLC
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FORT WORTH, TX 76107

DESIGNATED AGENT DIANNA STAMPER
 ADDRESS CT CORPORATION SYSTEM
5400 D BIG TYLER ROAD
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