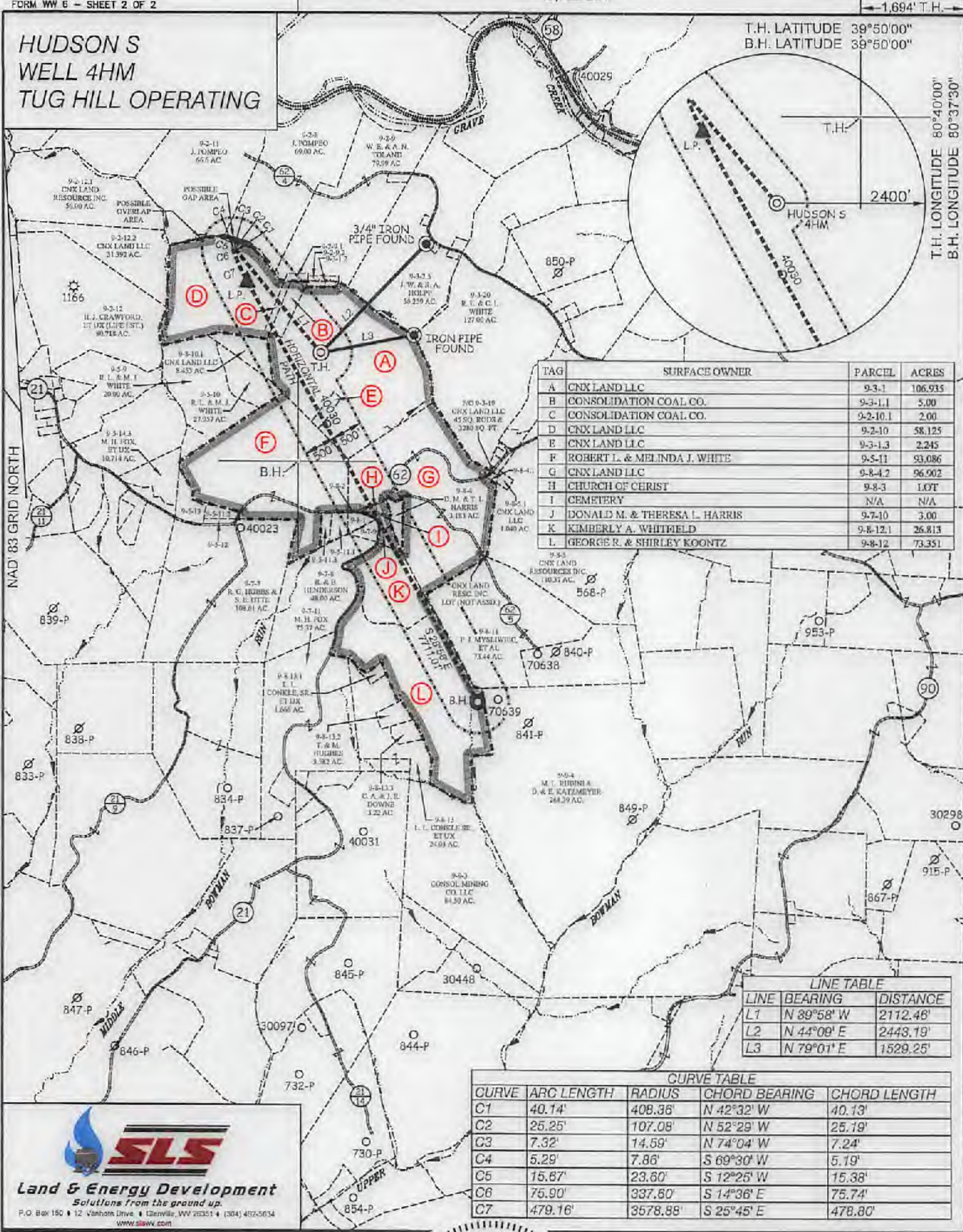


**HUDSON S  
WELL 4HM  
TUG HILL OPERATING**

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.	9-3-1.1	5.00
C	CONSOLIDATION COAL CO.	9-2-10.1	2.00
D	CNX LAND LLC	9-2-10	58.125
E	CNX LAND LLC	9-3-1.3	2.245
F	ROBERT L. & MELINDA J. WHITE	9-5-11	93.086
G	CNX LAND LLC	9-8-4.2	96.502
H	CHURCH OF CHRIST	9-8-3	1.07
I	CEMETERY	N/A	N/A
J	DONALD M. & THERESA L. HARRIS	9-7-10	3.00
K	KIMBERLY A. WHITFIELD	9-8-12.1	26.813
L	GEORGE R. & SHIRLEY KOONTZ	9-8-12	73.351

LINE	BEARING	DISTANCE
L1	N 89°58' W	2112.48'
L2	N 44°00' E	2448.19'
L3	N 79°01' E	1529.25'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	40.14'	408.36'	N 42°32' W	40.13'
C2	25.25'	107.08'	N 52°29' W	25.19'
C3	7.32'	14.59'	N 74°04' W	7.24'
C4	5.29'	7.86'	S 69°30' W	5.19'
C5	15.67'	23.60'	S 12°25' W	15.38'
C6	75.90'	337.80'	S 14°36' E	75.74'
C7	479.16'	3578.88'	S 25°45' E	478.80'

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

P.S. 849 *C. Victor Moyers*

**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-8A1)

COUNTY NAME  
PERMIT

SCALE 1" = 2000' FILE NO. 8911P4HM.dwg  
HUDSON S-4HM REV3  
DATE JUNE 14 20 19  
REVISED 20  
OPERATORS WELL NO. HUDSON S-4HM  
API WELL NO. 47-051-02251 HGA  
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



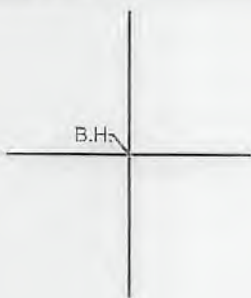
**HUDSON S  
WELL 4HM  
TUG HILL OPERATING**

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

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

7,186' B.H.

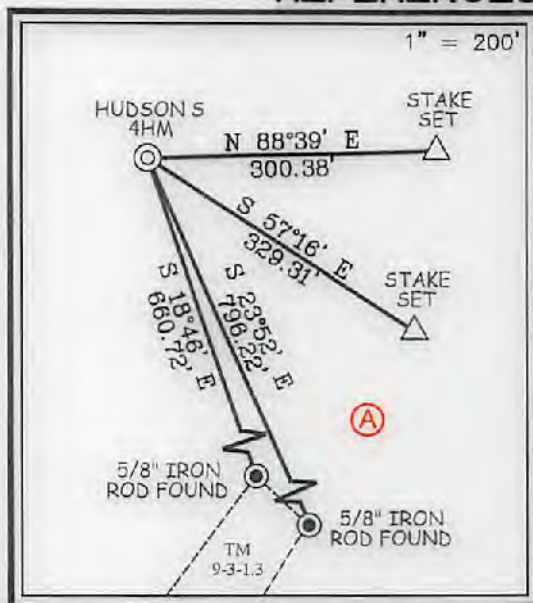
MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-2-9.1	CONSOLIDATION COAL CO.	1.00
9-2-9.2	CONSOLIDATION COAL CO.	1.00
9-3-1.2	CONSOLIDATION COAL CO.	1.00
9-5-11.1	MARK H. FOX	2.619
9-5-11.3	MARK H. FOX	1.94
9-5-11.2	LARRY WHETZEL, JR.	2.355
9-5-12	LARRY WHETZEL, JR.	1.00
9-5-13	SHELLY ANN JORDAN	5.51
9-7-9	CNX LAND CO. LLC	2.00
9-8-1	CNX LAND CO. LLC	2.908
9-8-2	CNX LAND CO. LLC	6000 SQ. FT.
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. 406,164.16	E. 1,639,161.49
NAD'83 GEO.	LAT-(N) 39.828864	LONG-(W) 80.672698
NAD'83 UTM (M)	N. 4,409,814.32	E. 528,003.05
<b>LANDING POINT</b>		
NAD'83 S.P.C. (FT)	N. 487,308.9	E. 1,637,969.6
NAD'83 GEO.	LAT-(N) 39.831964	LONG-(W) 80.678995
NAD'83 UTM (M)	N. 4,409,157.0	E. 527,639.1
<b>BOTTOM HOLE</b>		
NAD'83 S.P.C. (FT)	N. 480,568.0	E. 1,641,705.0
NAD'83 GEO.	LAT-(N) 39.813579	LONG-(W) 80.663384
NAD'83 UTM (M)	N. 4,407,120.8	E. 528,811.5

**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 \_\_\_\_\_, 20 \_\_\_\_  
 OPERATORS WELL NO. HUDSON S-4HM  
 API WELL NO. 47 - 51 - 02251 **H6A**  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8911P4HM.dwg  
HUDSON S-4HM 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

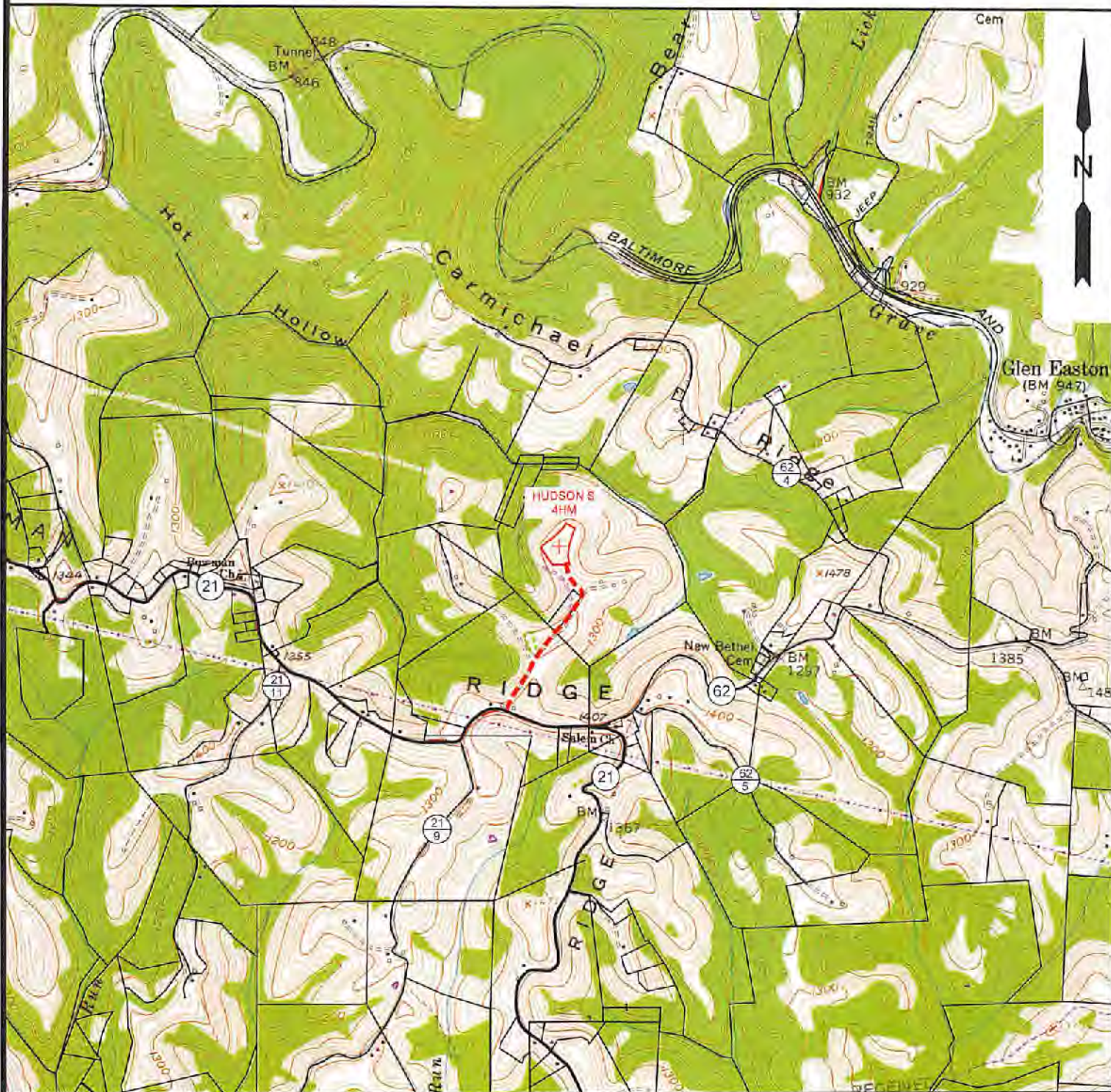
WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: GROUND = 1,369.70' ELEVATION PROPOSED = 1,344.81' WATERSHED GRAVE CREEK (HUC 10)  
 DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'  
 SURFACE OWNER CNX LAND LLC ACREAGE 106.935±  
 ROYALTY OWNER CHARLENE L. BAKER, ET AL ACREAGE 106.935±  
 PROPOSED WORK: LEASE NO. SEE WW-6A1  
 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: 6,886' / TMD: 15,333'

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



# PROPOSED HUDSON S - 4HM



NOTE: CLOSEST WATER PURVEYOR  
CITY OF CAMERON - FRANK WALKER RESERVOIR  
CAMDEN, WV

LAT: 39.829865  
LON: -80.573724  
LOCATED: N 89°55'28" E AT 27,779.45' FROM THE CENTER OF HUDSON S WELL PAD LOCATION.

Office of Oil and Gas



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www.sls-wv.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	TUG HILL OPERATING, LLC	
MARSHALL	MEADE	380 SOUTHPOINTE BLVD	
		SUITE 200	
		CANONSBURG, PA 15317	
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	8911	06/14/2019	1" = 2000'

