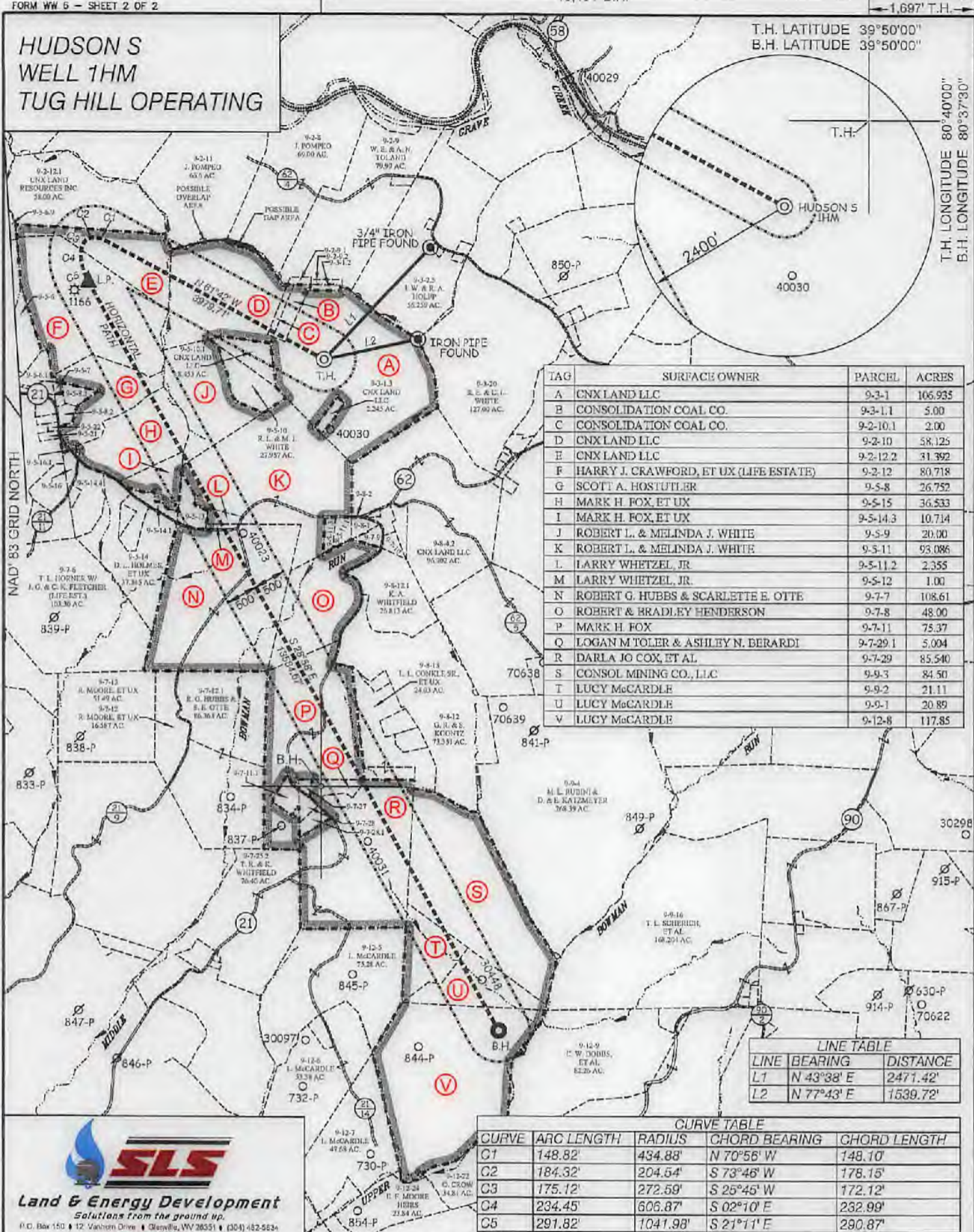


**HUDSON S  
WELL 1HM  
TUG HILL OPERATING**

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

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



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	9-2-12.2	31.392
F	HARRY J. CRAWFORD, ET UX (LIFE ESTATE)	9-2-12	80.718
G	SCOTT A. HOSTUTLER	9-5-8	26.752
H	MARK H. FOX, ET UX	9-5-15	36.533
I	MARK H. FOX, ET UX	9-5-14.3	10.714
J	ROBERT L. & MELINDA J. WHITE	9-5-9	20.00
K	ROBERT L. & MELINDA J. WHITE	9-5-11	93.086
L	LARRY WHETZEL, JR.	9-5-11.2	2.355
M	LARRY WHETZEL, JR.	9-5-12	1.00
N	ROBERT G. HUBBS & SCARLETTE E. OTTE	9-7-7	108.61
O	ROBERT & BRADLEY HENDERSON	9-7-8	48.00
P	MARK H. FOX	9-7-11	75.37
Q	LOGAN M. TOLER & ASHLEY N. BERARDI	9-7-29.1	5.004
R	DARLA JO COX, ET AL.	9-7-29	85.540
S	CONSOL MINING CO., L.L.C.	9-9-3	84.50
T	LUCY McCARDLE	9-9-2	21.11
U	LUCY McCARDLE	9-9-1	20.89
V	LUCY McCARDLE	9-12-8	117.85

LINE	BEARING	DISTANCE
L1	N 43°38' E	2471.42'
L2	N 77°43' E	1539.72'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	148.82'	434.88'	N 70°56' W	148.10'
C2	184.32'	204.54'	S 73°46' W	178.15'
C3	175.12'	272.59'	S 25°45' W	172.12'
C4	234.45'	606.87'	S 02°10' E	232.99'
C5	291.82'	1041.98'	S 21°11' E	290.87'

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(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD'83 S.P.C.(FT)	N. 486,123.14	E. 1,639,158.21	
NAD'83 GEO	LAT-(N) 39.828755	LONG-(W) 80.672708	
NAD'83 UTM (M)	N. 4,408,803.33	E. 529,007.23	
LANDING POINT			
NAD'83 S.P.C.(FT)	N. 487,354.2	E. 1,635,382.1	
NAD'83 GEO	LAT-(N) 39.831995	LONG-(W) 80.686210	
NAD'83 UTM (M)	N. 4,409,157.6	E. 526,850.6	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 475,469.1	E. 1,641,959.7	
NAD'83 GEO	LAT-(N) 39.799602	LONG-(W) 80.692243	
NAD'83 UTM (M)	N. 4,405,569.8	E. 528,915.0	



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
P.S. 849 *C. Victor Moyers*

SCALE	1" = 2000'	FILE NO.	8911P1HM.dwg
			HUDSON S-1HM REV3
DATE	JUNE 14		20 19
REVISED			20
OPERATORS WELL NO.	HUDSON S-1HM		
API WELL NO.	47	051	02248
NO.	STATE	COUNTY	PERMIT

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

**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-5A1)

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

12,287' B.H.

COUNTY NAME  
PERMIT

**HUDSON S  
WELL 1HM  
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"

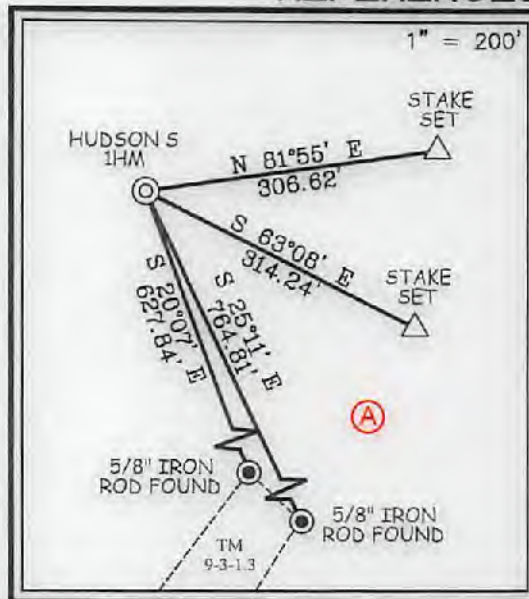
MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-2-9.1	CONSOLIDATION COAL CO.	1.00
9-2-9.2	CONSOLIDATION COAL CO.	1.00
9-3-1.2	CONSOLIDATION COAL CO.	1.00
9-5-6	NANCY L. SNYDER (LIFE ESTATE)	82.858
9-5-6.1	JON B. CRAWFORD	4.679
9-5-6.9	CNX LAND CO. LLC	22.39
9-5-7	ME CHURCH	81.5 POLES (6 AC. ASSD)
9-5-8.1	ISACC MCKINNEY, ET UX	2.875
9-5-8.2	MISTY CROW W/ ROBERT & ELSIE WHETZEL (LIFE ESTATE)	1.973
9-5-11.1	MARK H. FOX	2.619
9-5-11.3	MARK H. FOX	1.94
9-5-13	SHELLY ANN JORDAN	5.51
9-5-14.1	SAVANNA N & MATTHEW WEST	2.819
9-5-14.4	BETTY R. OTT	10.501
9-5-16	LARRY L. CONKLE, JR.	2.365
9-5-16.1	SCOTT A. HOSTUTLER	0.142
9-5-21	RALPH E. WELLMAN, ET UX	1.00
9-5-22	RALPH E. WELLMAN, ET UX	0.5
9-7-9	CNX LAND CO. LLC	2.00
9-7-10	DONALD M. & THERESA L. HARRIS	3.00
9-7-11.1	WV DEPT. OF HIGHWAYS	3.63
9-7-27	LOGAN M TOLER & ASHLEY N. BERARDI	1.005
9-7-28	VICTOR & CLAIRE CAMERON	1.983
9-7-28.1	NATHAN WILLIAMS	2.768
9-8-1	CNX LAND CO. LLC	2.908
9-8-2	CNX LAND CO. LLC	6000 SQ. FT.

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

NAD'83 S.P.C.(FT)	N. 486,128.14	E. 1,635,158.21
NAD'83 GEO.	LAT-(N) 39.828765	LONG-(W) 80.672708
NAD'83 UTM (M)	N. 4,408,803.33	E. 528,007.23
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 487,354.2	E. 1,635,382.1
NAD'83 GEO.	LAT-(N) 39.831995	LONG-(W) 80.686210
NAD'83 UTM (M)	N. 4,409,157.6	E. 528,850.8
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 475,468.1	E. 1,641,959.7
NAD'83 GEO.	LAT-(N) 39.799602	LONG-(W) 80.682243
NAD'83 UTM (M)	N. 4,405,569.9	E. 528,915.0

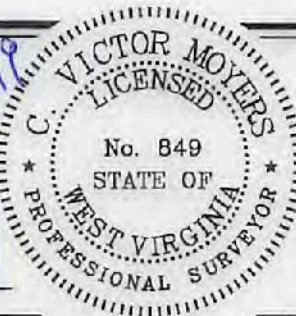


**REFERENCES**



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-1HM  
 API WELL NO. 47 - 51 - 02248  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8911P1HM.dwg  
HUDSON S-1HM REV3  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

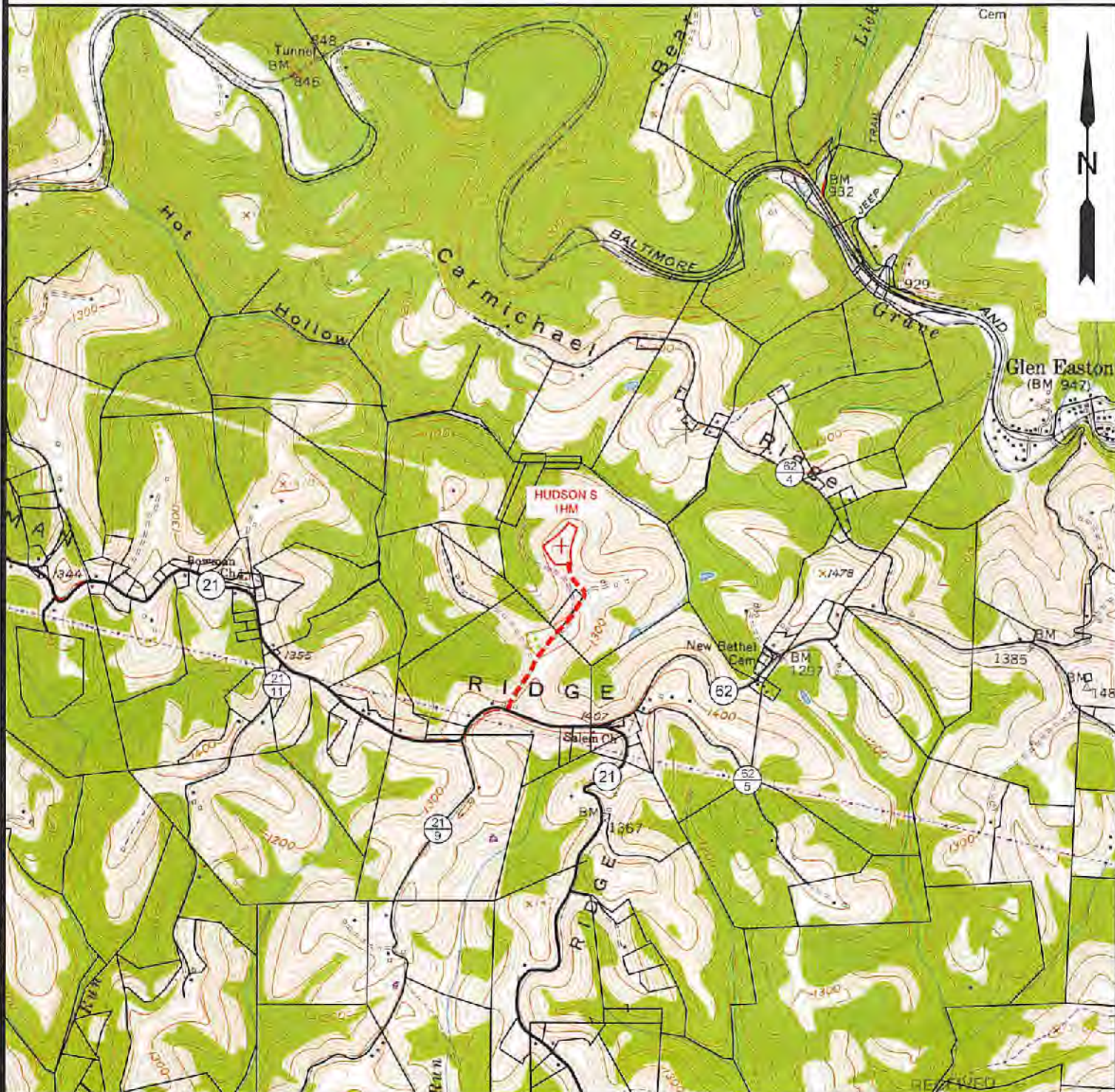
STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

WELL TYPE: OIL \_\_\_\_\_ GAS X INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: GROUND = 1,370.20' 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 MARCELLUS  
 ESTIMATED DEPTH TVD: 6,848' / TMD: 22,486'

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

# PROPOSED HUDSON S - 1HM



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

LAT: 39.829855  
LON: -80.573724  
LOCATED: N 89°55'26" 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	
DRAWN BY		DATE	SCALE
K.G.M.		06/07/2019	1" = 2000'

