

HUDSON S LEASE  
UTICA UNIT - 463.24 AC±  
WELL 11HU  
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"

Table with 3 columns: MAP/PARCEL, ADJOINING SURFACE OWNER LIST, ACRES. Lists adjacent landowners and their acreage.

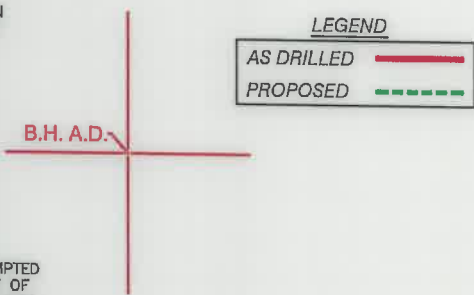
Table of coordinates for Well No. 11HU, including (S.P.C. NORTH ZONE) UTM(M) ZONE 17 NORTH, LANDING POINT, and BOTTOM HOLE data.

AS DRILLED COORDINATES FOR WELL NO. 11HU. Table with (S.P.C. NORTH ZONE) UTM(M) ZONE 17 NORTH, LANDING POINT, and BOTTOM HOLE data.

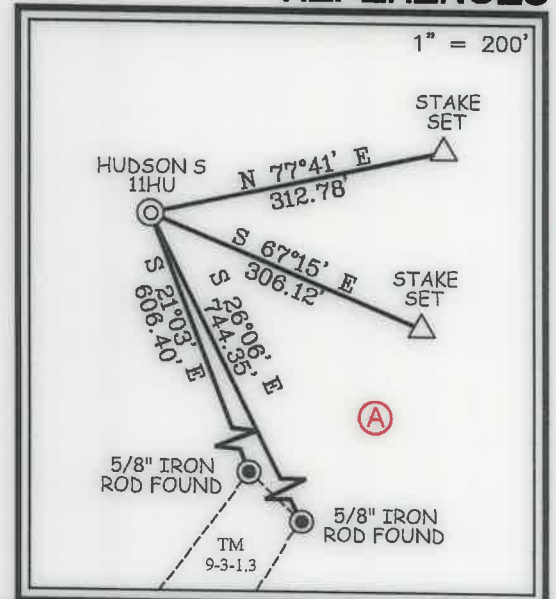
NOTES ON SURVEY

- 1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL...
2. WELL SPOT CIRCLE & TOPO MARK SCALE ARE 1"=2000'
3. PROPOSED LATERAL OR TOP HOLE OF HUDSON S-11HU...
4. MINIMUM OFFSET SPACING REQUIREMENTS EXEMPTED BY WAIVER...

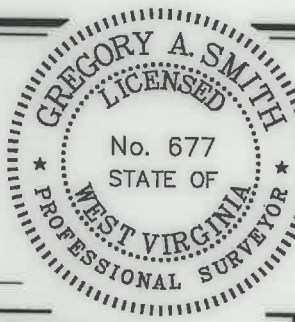
- 5. PLAT UPDATED TO SHOW AS DRILLED PATH.
6. AS DRILLED DATA PROVIDED BY TUG HILL OPERATING.



REFERENCES



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296



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. Gregory A. Smith
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE SEPTEMBER 30, 20 22
REVISED
OPERATORS WELL NO. HUDSON S-11HU
API WELL NO. 47 - 051 - 02296
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8911P11HUAD.dwg HUDSON S-11HU REV6
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: 11,901' / TMD: 25,605'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN - CT CORPORATION
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107 ADDRESS 5098 WASHINGTON ST. W, STE 407 CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

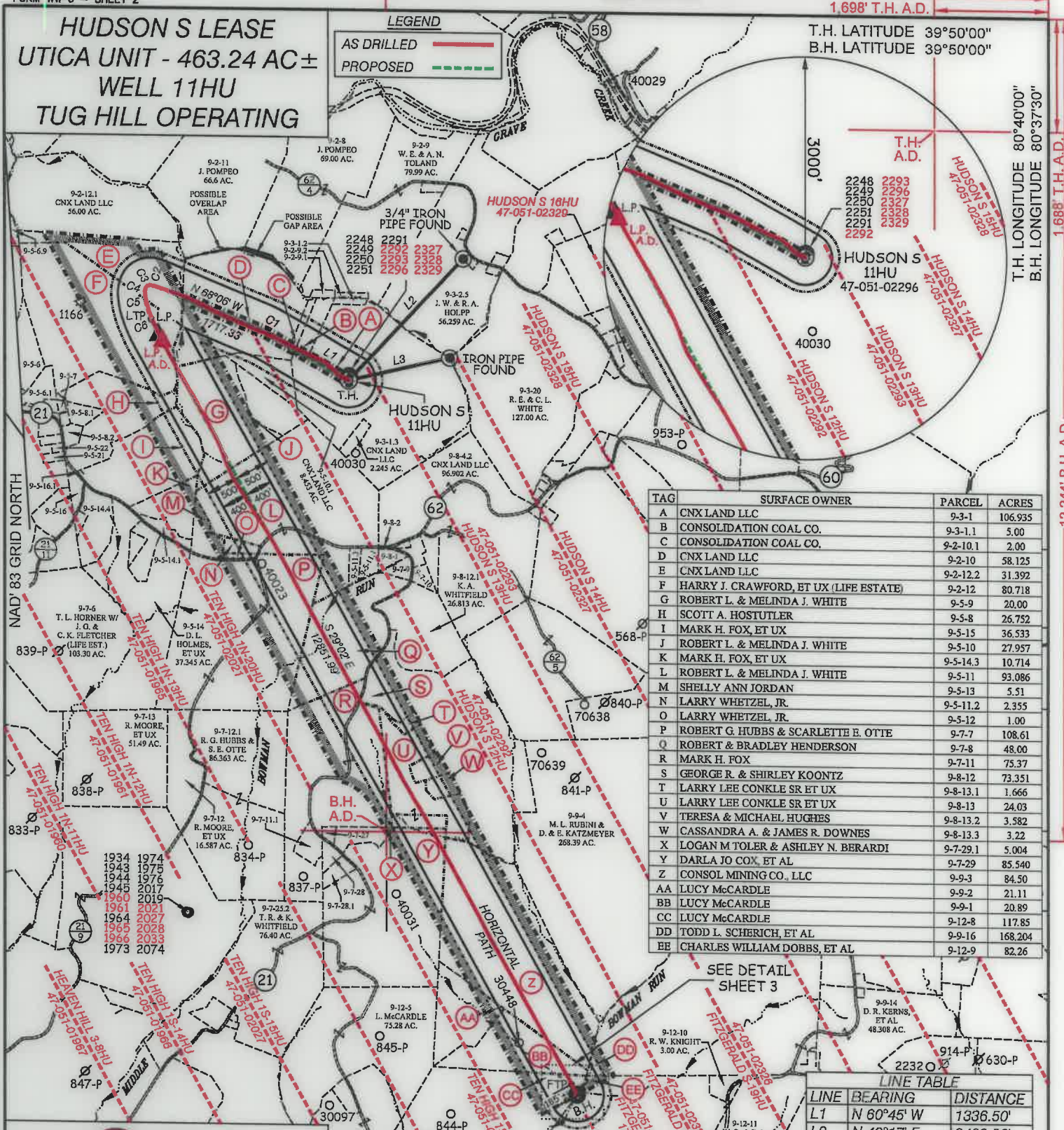
10/14/2022

**HUDSON S LEASE  
UTICA UNIT - 463.24 AC ±  
WELL 11HU  
TUG HILL OPERATING**

**LEGEND**  
AS DRILLED ———  
PROPOSED - - - - -

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.	9-3-11	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	ROBERT L. & MELINDA J. WHITE	9-5-9	20.00
H	SCOTT A. HOSTUTLER	9-5-8	26.752
I	MARK H. FOX, ET UX	9-5-15	36.533
J	ROBERT L. & MELINDA J. WHITE	9-5-10	27.957
K	MARK H. FOX, ET UX	9-5-14-3	10.714
L	ROBERT L. & MELINDA J. WHITE	9-5-11	93.086
M	SHELLY ANN JORDAN	9-5-13	5.51
N	LARRY WHETZEL, JR.	9-5-11-2	2.355
O	LARRY WHETZEL, JR.	9-5-12	1.00
P	ROBERT G. HUBBS & SCARLETTE E. OTTE	9-7-8	48.00
Q	ROBERT & BRADLEY HENDERSON	9-7-7	108.61
R	MARK H. FOX	9-7-8	48.00
S	GEORGE R. & SHIRLEY KOONTZ	9-7-11	75.37
T	LARRY LEE CONKLE SR ET UX	9-8-12	73.351
U	LARRY LEE CONKLE SR ET UX	9-8-13-1	1.666
V	TERESA & MICHAEL HUGHES	9-8-13	24.03
W	CASSANDRA A. & JAMES R. DOWNES	9-8-13-2	3.582
X	LOGAN M TOLER & ASHLEY N. BERARDI	9-8-13-3	3.22
Y	DARLA JO COX, ET AL	9-7-29-1	5.004
Y	DARLA JO COX, ET AL	9-7-29	85.540
Z	CONSOL MINING CO, LLC	9-9-3	84.50
AA	LUCY McCARDLE	9-9-2	21.11
BB	LUCY McCARDLE	9-9-1	20.89
CC	LUCY McCARDLE	9-12-8	117.85
DD	TODD L. SCHERICH, ET AL	9-9-16	168.204
EE	CHARLES WILLIAM DOBBS, ET AL	9-12-9	82.26

**LINE TABLE**

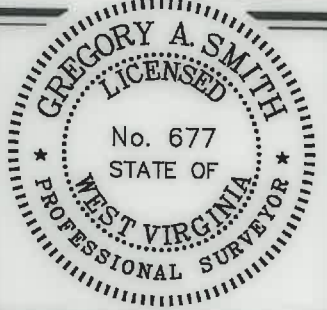
LINE	BEARING	DISTANCE
L1	N 60°45' W	1336.50'
L2	N 43°17' E	2489.96'
L3	N 76°53' E	1546.87'

**CURVE TABLE**

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	155.41'	991.43'	N 64°38' W	155.25'
C2	63.83'	142.24'	N 79°47' W	63.30'
C3	62.66'	69.86'	S 58°50' W	60.58'
C4	82.01'	169.99'	S 16°16' W	81.22'
C5	232.23'	708.65'	S 08°30' E	231.19'
C6	425.69'	1954.16'	S 23°18' E	424.85'

12 Vanhorn Drive | P.O. Box 180 | Glenville, WV 26031 | 304.462.5624  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3982  
254 East Beckley Bypass | Beckley, WV 25801 | 304.258.5295  
slswv.com

P.S. 677 *Gregory A. Smith*



(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
NAD'83 S.P.C. (FT) N. 486,104.49 E. 1,639,156.22  
NAD'83 GEO. LAT-(N) 39.828700 LONG-(W) 80.672714  
NAD'83 UTM (M) N. 4,408,796.11 E. 528,006.75

**LANDING POINT**  
NAD'83 S.P.C. (FT) N. 486,747.8 E. 1,636,321.9  
NAD'83 GEO. LAT-(N) 39.830364 LONG-(W) 80.682835  
NAD'83 UTM (M) N. 4,408,977.7 E. 527,140.0

**BOTTOM HOLE**  
NAD'83 S.P.C. (FT) N. 475,511.3 E. 1,642,560.1  
NAD'83 GEO. LAT-(N) 39.799742 LONG-(W) 80.680108  
NAD'83 UTM (M) N. 4,405,586.2 E. 529,097.7

SCALE 1" = 2000' FILE NO. 8911P11HUAD.dwg  
HUDSON S-11HU REV6  
DATE SEPTEMBER 30, 2022  
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OFFICE OF OIL AND GAS

(+) 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
- PROPOSED FIRST TAKE POINT
- PROPOSED LAST TAKE POINT
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE ADDITIONAL SHEETS)

WELL OPERATOR TUG HILL OPERATING, LLC ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107  
DESIGNATED AGENT DARREN BROWN - CT CORPORATION ADDRESS 5098 WASHINGTON ST. W, STE 407 CHARLESTON, WV 25313-1561

10/14/2022

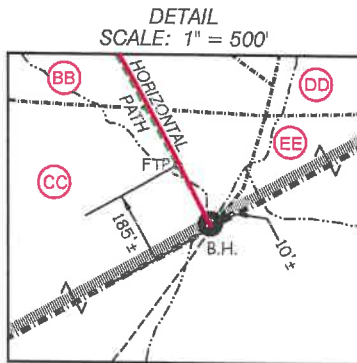
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slsw.com

NO.	Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Deed Book/Page
1	10*26041	9-3-1	A	FREDDIE C WHITE AND VIOLET L WHITE, ET AL	728 527
2	10*26044	9-3-1.1	B	JOYCE A WALLACE, ET AL	863 296
3	10*26711	9-2-10.1	C	CNX GAS COMPANY LLC	1074 593
4	10*26001	9-2-10	D	FREDDIE C WHITE AND VIOLET L WHITE	655 555
5	10*26000	9-2-12.2	E	HARRY J CRAWFORD AND DONNA JEAN CRAWFORD, LIFE ESTATE, ET AL	661 156
6	10*26000	9-2-12	F	HARRY J CRAWFORD AND DONNA JEAN CRAWFORD, LIFE ESTATE, ET AL	661 156
7	10*26001	9-5-9	G	FREDDIE C WHITE AND VIOLET L WHITE	655 555
8	10*19206	9-5-8	H	SCOTT A HOSTUTLER	724 208
9	10*19005	9-5-15	I	MARK H. FOX AND RETTA J. FOX, HIS WIFE	687 598
10	10*26001	9-5-10	J	FREDDIE C WHITE AND VIOLET L WHITE	655 555
11	10*19005	9-5-14.3	K	MARK H. FOX AND RETTA J. FOX, HIS WIFE	687 598
12	10*24424	9-5-11	L	THE FAYE A SKOEN REVOCABLE TRUST, ET AL	1024 291
13	10*26002	9-5-13	M	GEORGIA JORDAN LIFE ESTATE AND SHELLY ANN JORDAN REMAINDERMAN	687 616
14	10*24424	9-5-11.2	N	THE FAYE A SKOEN REVOCABLE TRUST	1024 291
15	10*47051.188.0	9-5-12	O	LARRY J WHETZEL JR	869 216
16	10*15503	9-7-7	P	ROBERT HUBBS	677 521
17	10*26003	9-7-8	Q	ROBERT HENDERSON AND DEBRA HENDERSON, HUSBAND & WIFE, AND BRADLEY HENDERSON	697 215
18	10*47051.094.0	9-7-11	R	MARK H FOX	864 163
19	10*47051.208.0	9-8-12	S	SHIRLEY KOONTZ POA KELLI KOONTZ BENLINE	869 222
20	10*28169	9-8-13.1	T	LARRY L CONKLE AND DONNA D CONKLE	1068 299
21	10*28169	9-8-13	U	LARRY L CONKLE AND DONNA D CONKLE	1068 299
22	10*47051.150.1	9-8-13.2	V	MICHAEL J HUGHES & TERESA A HUGHES	866 309
23	10*28169	9-8-13.3	W	LARRY L CONKLE AND DONNA D CONKLE	1068 299
24	10*15524	9-7-29.1	X	CAROL J ANDERSON ETAL	901 563
25	10*15524	9-7-29	Y	CAROL J ANDERSON ETAL	901 563
26	10*47051.304.0	9-9-3	Z	UNITED BANK INC	905 5
27	10*23386	9-9-2	AA	UNK HEIRS OF EDITH CARMICHAEL BY HERMAN LANTZ, ESQ AS SPEC COMMISSIONER, ET AL	1008 68
28	10*23386	9-9-1	BB	UNK HEIRS OF EDITH CARMICHAEL BY HERMAN LANTZ, ESQ AS SPEC COMMISSIONER, ET AL	1008 68
29	10*47051.289.1	9-12-8	CC	JANICE M HIXSON AND HARRY C HIXSON, ET AL	898 461
30	10*19987	9-9-16	DD	LESLEY D BALLA, ET AL	955 103
31	10*15999	9-12-9	EE	CHARLES W DOBBS AND JUDITH M DOBBS, ET AL	702 171



FILE NO. 8911P11HUAD.dwg  
HUDSON S-11HU REV6

DATE SEPTEMBER 30, 20 22

REVISED \_\_\_\_\_

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10/14/2022

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