

**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"

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. 486,104.49	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

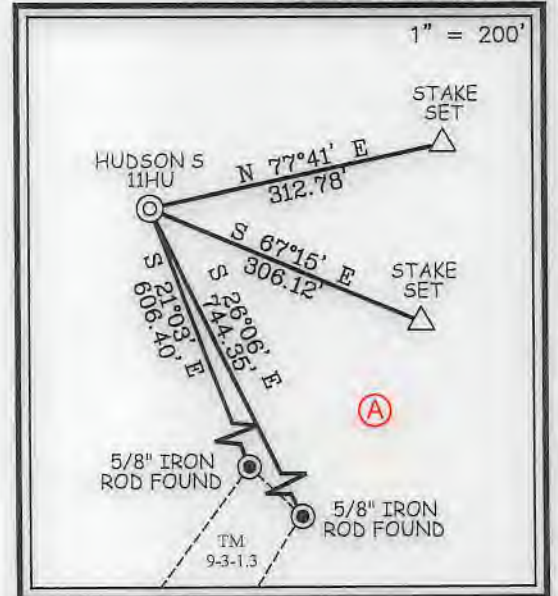
NAD'83 S.P.C.(FT)	N. 475,511.3	E. 1,642,580.1
NAD'83 GEO.	LAT-(N) 39.799742	LONG-(W) 80.680108
NAD'83 UTM (M)	N. 4,405,586.2	E. 529,097.7

**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-11HU (47-051-02296) IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF HUDSON S-12HU (47-051-02292), HUDSON S-13HU (47-051-02293), HUDSON S-14HU (47-051-02327), HUDSON S-15HU (47-051-02328), HUDSON S-16HU (47-051-02329), TEN HIGH 1N-13HU (47-051-01965), TEN HIGH 1N-20HU (47-051-02021), TEN HIGH 1S-16HU (47-051-02028), TEN HIGH 1S-17HU (47-051-02033), FITZGERALD S-17HU (47-051-02324), FITZGERALD S-18HU (47-051-02325), FITZGERALD S-19HU (47-051-02326).
- MINIMUM OFFSET SPACING REQUIREMENTS EXEMPTED BY WAIVER WITH THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS AND OFFSET LEASEHOLDER AGREEMENTS AS PROVIDED BY TUG HILL OPERATING.

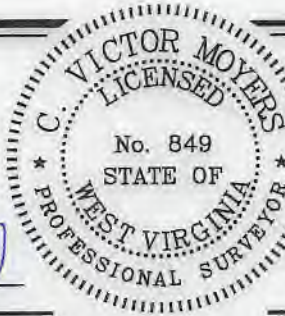
B.H.

**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 | 304.255.5295

slswv.com



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 10/18/19, 11/07/19, 01/08/20, 01/27/20, 03/18/20, 08/07/20  
OPERATORS WELL NO. HUDSON S-11HU  
API WELL NO. 47 - 051 - 02296  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 8911P11HUR6.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 LIQUID 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 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107

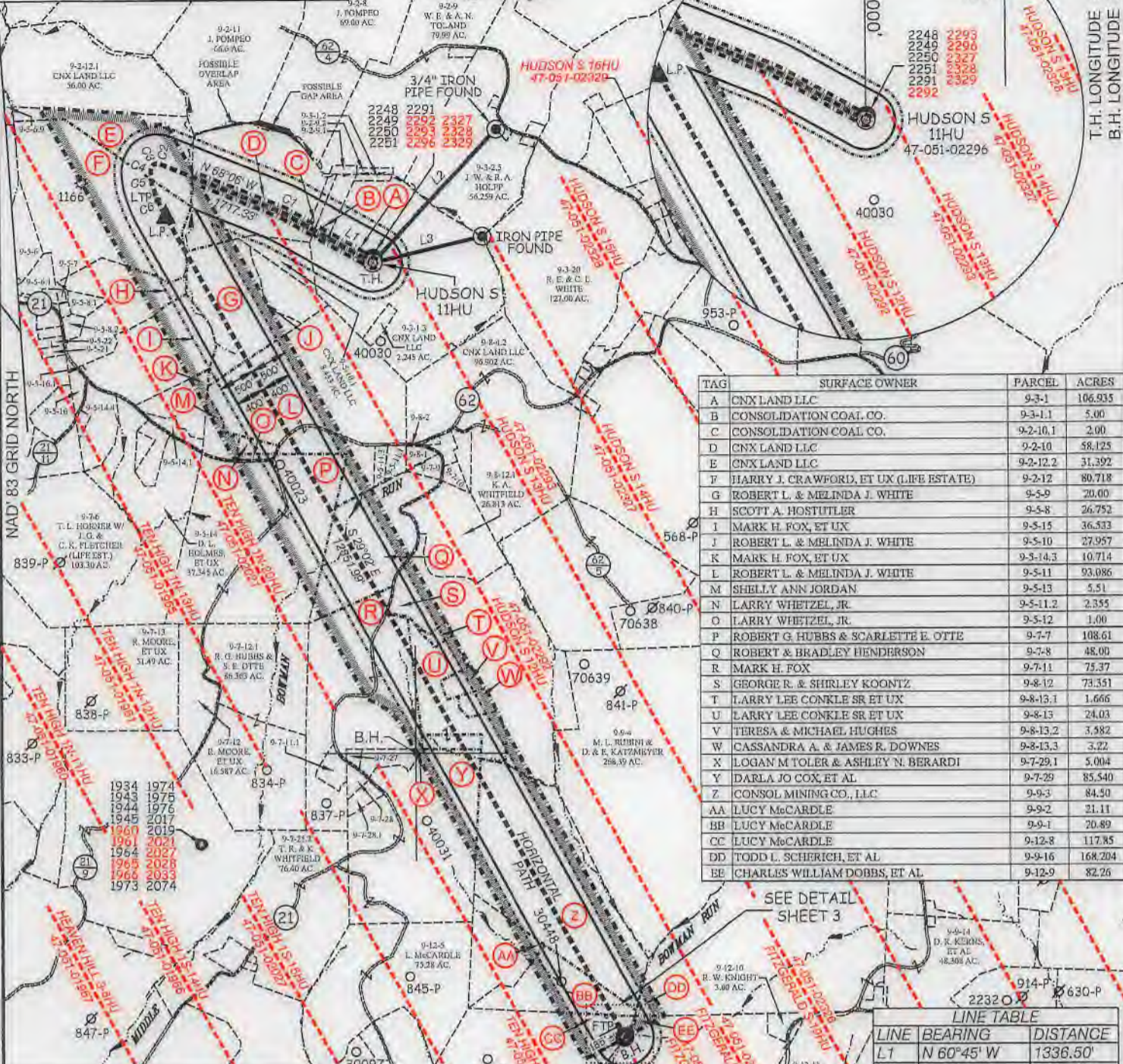
DESIGNATED AGENT DIANNA STAMPER CT CORPORATION SYSTEM ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

COUNTY NAME PERMIT

**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"



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	ROBERT L. & MELINDA J. WHITE	9-5-9	20.00
H	SCOTT A. HOSTITLER	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	9-7-7	108.61
Q	ROBERT & BRADLEY HENDERSON	9-7-8	48.00
R	MARK H. FOX	9-7-11	75.37
S	GEORGE R. & SHIRLEY KOONTZ	9-8-12	73.551
T	LARRY LEE CONKLE SR ET UX	9-8-13.1	1.666
U	LARRY LEE CONKLE SR ET UX	9-8-13	24.03
V	TERESA & MICHAEL HUGHES	9-8-13.2	3.582
W	CASSANDRA A. & JAMES R. DOWNES	9-8-13.3	3.22
X	LOGAN M. TOLER & ASHLEY N. BERARDI	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	BEARING	DISTANCE
L1	N 60°45' W	1336.50'
L2	N 43°17' E	2489.96'
L3	N 76°53' E	1546.87'

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°18' 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'

**SLS**  
FROM THE GROUND UP

12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.6296

slevv.com

P.S. 849 *C. Victor Moyers*

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(+) 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)

SCALE 1" = 2000' FILE NO. 8911P11HUR6.dwg  
HUDSON S-11HU REV6  
DATE AUGUST 23, 20 19  
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NO. STATE COUNTY PERMIT

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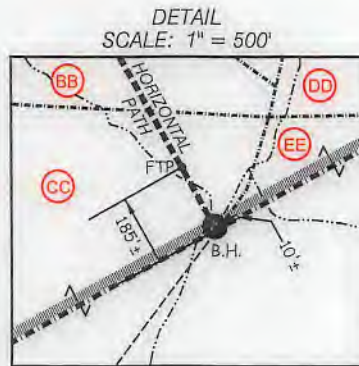
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NO.	Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Deed Book/Page	
1	10*26041	9-3-1	A	FREDDIE C WHITE AND VIOLET L WHITE, ET AL	728	527
2	10*26044	9-3-1.1	B	JOYCE A WALLACE, ET AL	853	296
3	10*26711	9-2-10.1	C	CNX GAS COMPANY LLC	1074	593
4	10*26001	9-2-10	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	451
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



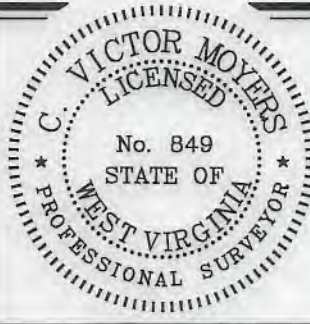
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HUDSON S-11HU REV6

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

P.S. 849 *C. Victor Moyers*

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