

8,724' B.H. A.D.

7,148' T.H. A.D.

**KEITH STERN N LEASE
UTICA UNIT - 631.99 AC±
WELL 15HU
TUG HILL OPERATING**

T.H. LATITUDE 39°47'30"
B.H. LATITUDE 39°47'30"

B.H.
A.D.

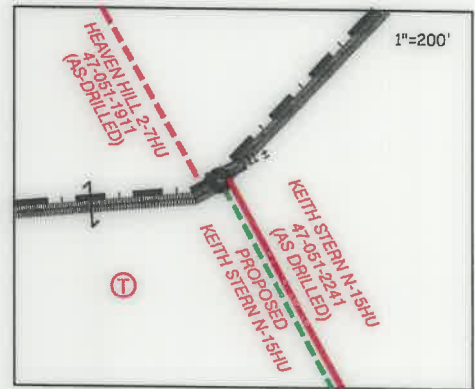
MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-13-11.1	SAMUEL & HEATHER SUHODOLSKI	0.49
9-13-14	MARGARET K. FOX - LIFE	3.00
9-14-1.1	MICHAEL L. ALVAREZ	1.6
9-14-1.2	KENNETH N. & TERESA A. SMERTNECK	1.02
9-14-2	MICHAEL L. ALVAREZ	0.75
9-14-3	MICHAEL L. ALVAREZ	NORTH P/O 3 PCLS
9-14-4	MICHAEL L. ALVAREZ	3 PCLS & 1/8 AC.
9-14-5	MICHAEL L. ALVAREZ	200 X 60 PCL
9-14-6	MICHAEL L. ALVAREZ	120 X 200 PCL
9-14-7	JOHN T. ERAZMUS, III	0.25
9-14-8	JOHNNY C. HOLCOMB & JOHNNY C. HOLCOMB, II	2/5 AC.
9-14-9	JOHN E. DUFFY, ET UX	2/5 AC.
9-14-10	ROBERT I. DUFFY - LIFE	25/100 AC.
9-14-11.1	PATRICK J. SCHELLHASE EST - TRUST	7.617
9-14-11.2	LOVE A. BLAKE	4.00
9-14-26	PATRICK J. SCHELLHASE EST - TRUST	12.588
9-14-27	PATRICK J. SCHELLHASE EST - TRUST	3.004
9-14-28	CHARLES R. SCHELLHASE, ET UX	3.029
9-14-43	GEORGE R. TAYLOR, ET UX	10.98
9-14-46.1	MARHA JANE FAZZARO	1.512
9-15-40	ROBERT WILLIAM BERISFORD	13.50
9-15-41	CHARLES RICHARD MCCOY, ET UX	4.50
9-15-42	ROBERT MATHEW MASON	2.63

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

NAD'83 S.P.C.(FT)	N. 466,544.78	E. 1,633,451.84
NAD'83 GEO.	LAT-(N) 39.774801	LONG-(W) 80.682099
NAD'83 UTM (M)	N. 4,402,808.09	E. 526,368.46
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 466,331.4	E. 1,634,911.5
NAD'83 GEO.	LAT-(N) 39.774268	LONG-(W) 80.686897
NAD'83 UTM (M)	N. 4,402,750.5	E. 526,814.2
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 471,794.4	E. 1,631,936.0
NAD'83 GEO.	LAT-(N) 39.789156	LONG-(W) 80.697741
NAD'83 UTM (M)	N. 4,404,399.7	E. 525,879.9

T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°40'00"
912' B.H. A.D.
6,144' T.H. A.D.

T.H.
A.D.



**AS DRILLED COORDINATES
FOR WELL NO. 15HU**

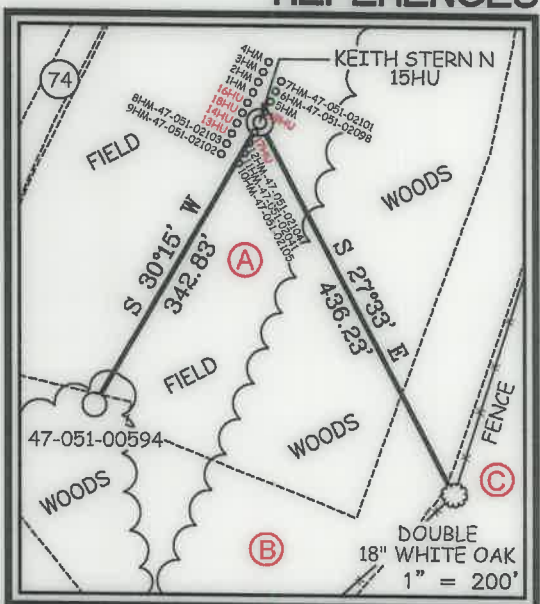
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 466,544.78	E. 1,633,451.84
NAD'83 GEO.	LAT-(N) 39.774801	LONG-(W) 80.682099
NAD'83 UTM (M)	N. 4,402,808.09	E. 526,368.46
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 466,669.5	E. 1,634,714.3
NAD'83 GEO.	LAT-(N) 39.775189	LONG-(W) 80.687614
NAD'83 UTM (M)	N. 4,402,852.5	E. 526,752.5
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 471,797.8	E. 1,631,944.6
NAD'83 GEO.	LAT-(N) 39.789165	LONG-(W) 80.697711
NAD'83 UTM (M)	N. 4,404,400.8	E. 525,882.5

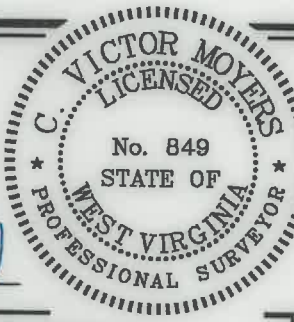
NOTES ON SURVEY

- 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 KEITH STERN N-15HU IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF THE FOLLOWING:
PROPOSED KEITH STERN N-13HU, 14HU & 16HU,
PROPOSED KEITH STERN S-17HU, 18HU & 19HU,
PROPOSED KNOB CREEK N-13HU,
PROPOSED KNOB CREEK S-16HU,
PROPOSED HEAVEN HILL 3-8HU,
HEAVEN HILL 2W-12HU (47-051-01952),
HEAVEN HILL 2-6HU (47-051-01910),
HEAVEN HILL 2-7HU (47-051-01911)
& HEAVEN HILL 2-8HU (47-051-01912)
- AS-DRILLED DATA PROVIDED BY TUG HILL OPERATING, LLC.
- PLAT UPDATED TO SHOW AS-DRILLED PATH.

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
slsvw.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. *C. Victor Moyers*
849

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

DATE MARCH 18, 20 21

REVISED _____, 20 _____

OPERATORS WELL NO. KEITH STERN N-15HU

API WELL NO. 47 - 051 - 02241

STATE WV COUNTY MARSHALL PERMIT 10/21/2022

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8811P15HUAD.dwg
KEITH STERN N-15HU-REV2

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 INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 744.65' WATERSHED FISH CREEK (HUC 10)
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER TH EXPLORATION, LLC ACREAGE 10.05±
ROYALTY OWNER TH EXPLORATION, LLC, ET AL - SEE WW-6A1 ACREAGE 10.05±

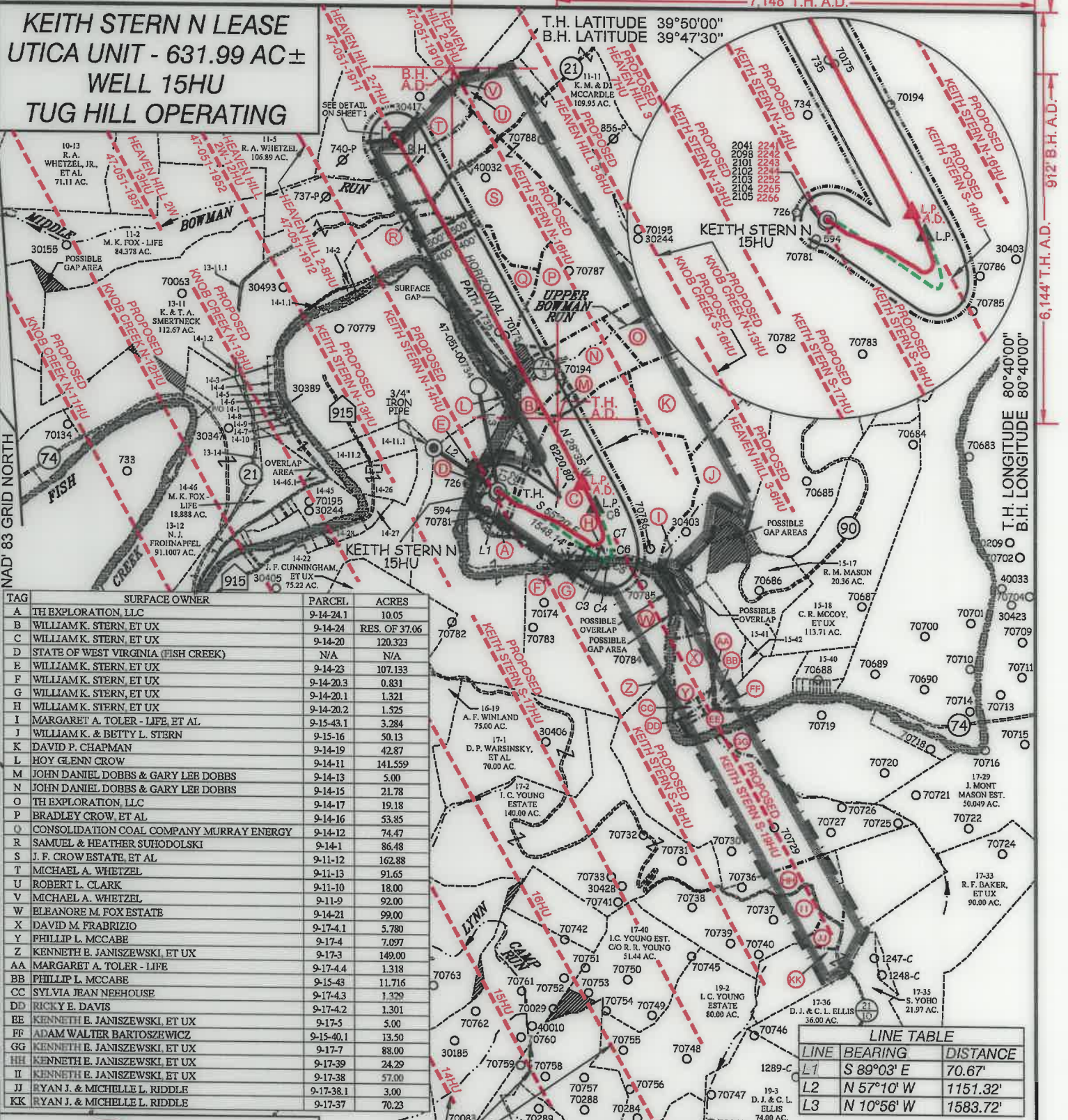
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION POINT PLEASANT
ESTIMATED DEPTH TVD: 11,396' / TMD: 18,311'

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

**KEITH STERN N LEASE
UTICA UNIT - 631.99 AC ±
WELL 15HU
TUG HILL OPERATING**



TAG	SURFACE OWNER	PARCEL	ACRES
A	TH EXPLORATION, LLC	9-14-24.1	10.05
B	WILLIAM K. STERN, ET UX	9-14-24	RES. OF 37.06
C	WILLIAM K. STERN, ET UX	9-14-20	120.323
D	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
E	WILLIAM K. STERN, ET UX	9-14-23	107.133
F	WILLIAM K. STERN, ET UX	9-14-20.3	0.831
G	WILLIAM K. STERN, ET UX	9-14-20.1	1.321
H	WILLIAM K. STERN, ET UX	9-14-20.2	1.525
I	MARGARET A. TOLER - LIFE ET AL	9-15-43.1	3.284
J	WILLIAM K. & BETTY L. STERN	9-15-16	50.13
K	DAVID P. CHAPMAN	9-14-19	42.87
L	HOY GLENN CROW	9-14-11	141.559
M	JOHN DANIEL DOBBS & GARY LEE DOBBS	9-14-13	5.00
N	JOHN DANIEL DOBBS & GARY LEE DOBBS	9-14-15	21.78
O	TH EXPLORATION, LLC	9-14-17	19.18
P	BRADLEY CROW, ET AL	9-14-16	53.85
Q	CONSOLIDATION COAL COMPANY MURRAY ENERGY	9-14-12	74.47
R	SAMUEL & HEATHER SUHODOLSKI	9-14-1	86.48
S	J. F. CROW ESTATE, ET AL	9-11-12	162.88
T	MICHAEL A. WHETZEL	9-11-13	91.65
U	ROBERT L. CLARK	9-11-10	18.00
V	MICHAEL A. WHETZEL	9-11-9	92.00
W	ELEANORE M. FOX ESTATE	9-14-21	99.00
X	DAVID M. FRABRIZIO	9-17-4.1	5.780
Y	PHILLIP L. MCCABE	9-17-4	7.097
Z	KENNETH E. JANISZEWSKI, ET UX	9-17-3	149.00
AA	MARGARET A. TOLER - LIFE	9-17-4.4	1.318
BB	PHILLIP L. MCCABE	9-15-43	11.716
CC	SYLVIA JEAN NEEHOUSE	9-17-4.3	1.329
DD	RICKY E. DAVIS	9-17-4.2	1.301
EE	KENNETH E. JANISZEWSKI, ET UX	9-17-5	5.00
FF	ADAM WALTER BARTOSZEWICZ	9-15-40.1	13.50
GG	KENNETH E. JANISZEWSKI, ET UX	9-17-7	88.00
HH	KENNETH E. JANISZEWSKI, ET UX	9-17-39	24.29
II	KENNETH E. JANISZEWSKI, ET UX	9-17-38	57.00
JJ	RYAN J. & MICHELLE L. RIDDLE	9-17-38.1	3.00
KK	RYAN J. & MICHELLE L. RIDDLE	9-17-37	70.23

LINE	BEARING	DISTANCE
L1	S 89°03' E	70.67'
L2	N 57°10' W	1151.32'
L3	N 10°56' W	1583.72'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C2	181.02'	1389.24'	S 57°58' E	180.89'
C3	75.99'	238.39'	S 63°36' E	75.66'
C4	62.84'	65.07'	N 80°38' E	60.43'
C5	73.74'	108.24'	N 22°49' E	72.32'
C6	119.38'	471.22'	N 02°38' W	119.06'
C7	51.06'	154.06'	S 71°22' E	50.82'
C7	334.64'	1553.50'	N 16°23' W	333.99'
C8	330.33'	2945.17'	N 25°24' W	330.16'

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sfsww.com

PROPOSED-KNOB CREEK'S WELLS

LEGEND

AS DRILLED

PROPOSED

P.S. 849 *C. Victor Moyers*

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SCALE 1" = 2000' FILE NO. 8811P15HUAD.dwg
KEITH STERN N-15HU-REV2

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API WELL 47 — 051 — 02241
NO. STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
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
- 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 DIANNA STAMPER CT CORPORATION SYSTEM ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

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slsvv.com

Table with columns: NO., Lease ID, Tag, Parcel, Grantor, Lessor, Etc., Deed Book/Page. Contains 98 rows of lease data.

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Office of Oil and Gas
SEP 30 2022
WV Department of
Environmental Protection

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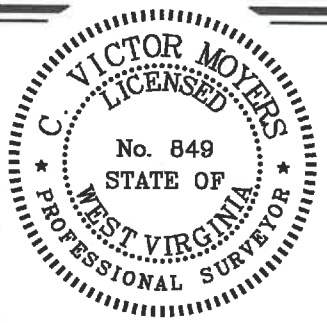


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slswv.com

Table with columns for well ID, acreage, owner name, and acreage. Lists various landowners such as LARRY R CRANE, MARCIA A LUKE, JENNIFER ALLEY FISHER & ROBERT D FISHER, etc.

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10/21/2022
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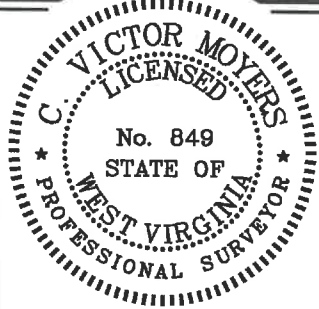


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slewy.com

Table with columns for well ID, acreage, status, date, owner name, and well ID. Contains 300 rows of property data.

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WV Department of
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301	10*18713	P	9-14-16	GEORGE A JOHNS JR AND KAREN L JOHNS	938	275
302	10*18850	P	9-14-16	GERALD Q MOORE AND SYLVIA JUDITH MOORE	937	393
303	10*18831	P	9-14-16	JACQUELYN A ROBERTS	937	395
304	10*18832	P	9-14-16	DAN HELTON AND PEGGY ANNA HELTON	937	397
305	10*18833	P	9-14-16	WILLIAM J ULLOM	937	399
306	10*18834	P	9-14-16	JAMES R ROCKEY	938	1
307	10*18939	P	9-14-16	PEGGY J CROW	939	384
308	10*18940	P	9-14-16	STEVEN T JOHNS AND KAREN A JOHNS	939	277
309	10*18941	P	9-14-16	MARGARET E JONES AND CHARLES T JONES	939	393
310	10*18942	P	9-14-16	MARY JO ROCKEY	939	391
311	10*18953	P	9-14-16	CYNTHIA M GROSS AND MICHAEL D GROSS	941	299
312	10*18954	P	9-14-16	ROBERT E TOEPFER JR AND ELIZABETH A TOEPFER	941	295
313	10*18955	P	9-14-16	CHARLES W LADNER	941	293
314	10*18956	P	9-14-16	MICHELE T VALYKEO	941	297
315	10*19506	P	9-14-16	MARK R MOORE AND ASHTYN C MOORE	942	610
316	10*19603	P	9-14-16	JAMES KEITH NATIONS BY HIS COURT APPNTD GUARDIAN AD LITEM DAVID C WHITE ESQ	944	134
317	10*19609	P	9-14-16	LLOYD T HALL AND LORNA K HALL	937	320
318	10*19664	P	9-14-16	PAUL EUGENE SUTTON JR & NICKIE L SUTTON	944	436
319	10*19665	P	9-14-16	GAIL L SUTTON	944	138
320	10*19836	P	9-14-16	SUSAN E MARTIN	945	582
321	10*19837	P	9-14-16	SHARON K LEONARD	944	440
322	10*19839	P	9-14-16	PAMELA DOYLE BROWN	945	584
323	10*19840	P	9-14-16	PHYLLIS JEAN CROW HEWITT	945	586
324	10*19890	P	9-14-16	JO ANN FORRESTER	948	569
325	10*19891	P	9-14-16	TWILA J GORDON AND ALEXANDER J GORDON	945	475
326	10*19974	P	9-14-16	RONDA L SKILTON AND THOMAS A SKILTON	948	200
327	10*21010	P	9-14-16	LISA A HALL AND KYLE W HALL	951	185
328	10*21038	P	9-14-16	LAURA A WALSH AND MICHAEL P WALSH SR	951	188
329	10*21040	P	9-14-16	VICKIE L POND AND SIDNEY P POND	949	360
330	10*21049	P	9-14-16	JOHN J HENRY III	951	175
331	10*21059	P	9-14-16	JOHN B HIZER AND SONYA L HIZER	951	172
332	10*21060	P	9-14-16	PETER DOMINICK DENOON & DENISE J DENOON	951	170
333	10*21134	P	9-14-16	NANCY J LULLOM	951	179
334	10*21135	P	9-14-16	CHARLES K NATIONS	953	53
335	10*21136	P	9-14-16	STEVEN J KIM AND LUCIA B KIM	953	51
336	10*21137	P	9-14-16	GLORIA JEAN SELMON	951	177
337	10*21187	P	9-14-16	JEFFREY S HIZER AND BONNIE LYNN HIZER	951	183
338	10*21188	P	9-14-16	TERRY S WEEKLEY AND KRISTAL D WEEKLEY	951	181
339	10*21247	P	9-14-16	GLORIA LUCAS	953	57
340	10*21248	P	9-14-16	ESSIE BUCHANAN	953	219
341	10*21249	P	9-14-16	PEGGY HARTLEY	953	55
342	10*21338	P	9-14-16	DOROTHY I WHITE	953	217
343	10*21339	P	9-14-16	MICHAEL W SMITH	953	212
344	10*21340	P	9-14-16	MARY ANN BURNS AND SIDNEY P BURNS	953	214
345	10*21413	P	9-14-16	CHIKAKO YAMASHIRO HIZER	956	598
346	10*21446	P	9-14-16	LAURA L GORBY	956	594
347	10*21447	P	9-14-16	GINA L UPDEGRAFF	956	596
348	10*21477	P	9-14-16	PAUL EUGENE SUTTON SR	944	136
349	10*21555	P	9-14-16	HOWARD A BLAKE & SHARON ANN BLAKE HOWARD A BLAKE POA FOR SHARON ANN BLAKE	957	390
350	10*21610	P	9-14-16	THERESA E CREEGER AND GREGORY J CREEGER	958	467
351	10*21611	P	9-14-16	KEITH GOUDY AND NANCY GOUDY	959	459
352	10*21612	P	9-14-16	YANCY R ARRINGTON AND TERESA C ARRINGTON	959	457
353	10*21881	P	9-14-16	HELEN LOUISE HUGHES	953	221
354	10*21933	P	9-14-16	BRENDA WEEKLEY BEAVER & DANIEL T BEAVER	960	4
355	10*22151	P	9-14-16	GERALD W LUNA AND CHERI E LUNA	954	342
356	10*22289	P	9-14-16	KAREN ELAINE WOLFE AND JAMES BRENT WOLFE	962	285
357	10*22290	P	9-14-16	DAVID W HUMMEL SR	962	281
358	10*22297	P	9-14-16	MARK L ADAMS	962	283
359	10*22399	P	9-14-16	WILLIAM T SCHMITT AND PENNY E SCHMITT	963	118
360	10*22400	P	9-14-16	NANCY A CHURCH & RALPH E CHURCH	963	115
361	10*22401	P	9-14-16	DEBORAH L ONEAL	963	113
362	10*22402	P	9-14-16	RUSSELL B GODDARD	963	111
363	10*22403	P	9-14-16	DONNA M TAYLOR	963	109
364	10*22409	P	9-14-16	LORI ANN OAKS AND LARRY D OAKS	963	121
365	10*22416	P	9-14-16	ADA M MOORE	963	350
366	10*22456	P	9-14-16	MICHAEL V GODDARD	964	460
367	10*22457	P	9-14-16	CATHERINE M MESSNER	964	462
368	10*22522	P	9-14-16	JAMES D COCHRAN AND LINDA M COCHRAN	966	493
369	10*22523	P	9-14-16	DEBRA E MOORE AND SCOTT MOORE	966	490
370	10*22543	P	9-14-16	MITCHELL FORRESTER AND CECILIA FORRESTER	966	188
371	10*22544	P	9-14-16	MELODIE J HOFF AND DOUGLAS T HOFF	966	191
372	10*22602	P	9-14-16	CYNTHIA JO MOORE	966	484
373	10*22603	P	9-14-16	APRIL BERISFORD AND MICHAEL BERISFORD	966	487
374	10*22628	P	9-14-16	JAMES C BALL	966	586
375	10*22629	P	9-14-16	LISA R GODDARD	966	588
376	10*22782	P	9-14-16	JULIE LYNN SCOTT	972	43
377	10*23005	P	9-14-16	VIRGINIA E SAKALO AND MICHAEL A SAKALO	984	40
378	10*23331	P	9-14-16	JACQUELINE A PATTERSON AND CHARLES ALLEN PATTERSON	983	82
379	10*23453	P	9-14-16	ROGER W RHODES	1008	303
380	10*23457	P	9-14-16	GEORGIA MITCHELL ETAL HERMAN LANTZ, SPECIAL COMMISSIONER	108	305
381	10*23952	P	9-14-16	MATTHEW S BRITTON, A MINOR ERIC GORDON, SPECIAL COMMISSIONER	1020	247
382	10*24083	P	9-14-16	JOSEPH B CROW JR	1021	134
383	10*24240	P	9-14-16	ALF THOMAS MOORE AND CHERYL A MOORE	1022	362
384	10*24275	P	9-14-16	GEORGE B CROW JR AND SHIRLEY CROW	1023	485
385	10*24276	P	9-14-16	MARTHA L PULVER	1023	483
386	10*24277	P	9-14-16	HOWARD L KUHN AND MARY L KUHN	1023	488
387	10*24292	P	9-14-16	MARK CURTIS	1023	520
388	10*24401	P	9-14-16	JOSEPH KOLAKOWSKI JR	1024	322
389	10*24410	P	9-14-16	MICHAEL KOLAKOWSKI AND LEA KOLAKOWSKI	1024	319
390	10*24411	P	9-14-16	MARGIE M MILTON	1025	156
391	10*24412	P	9-14-16	JAMES P DERROW AND CHRISTINE M DERROW	1024	315
392	10*24414	P	9-14-16	ROBERT ALLEN SUTTON AND MICKIE L SUTTON	1024	313
393	10*24435	P	9-14-16	JAMES C ADAMS AND NICOLE D ADAMS	1025	158
394	10*24675	P	9-14-16	MICHELLE M KOLAKOWSKI	1027	126
395	10*24676	P	9-14-16	THERESA THOMAS	1025	338
396	10*24735	P	9-14-16	EARL SELMON	1027	304
397	10*24736	P	9-14-16	SUSAN L SCHULTE	1027	300
398	10*24764	P	9-14-16	MARLENA PENNINGTON ET AL	1027	594
399	10*24765	P	9-14-16	CRYSTAL CURTIS	1027	592

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KEITH STERN N-15HU-REV2

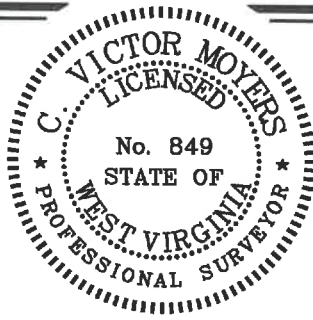
DATE MARCH 18, 2021

REVISED _____, 20_____

OPERATORS WELL NO. KEITH STERN N-15HU

API WELL NO. 47 — 051 — 02241

STATE COUNTY PERMIT



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



P.S. 849 *C. Victor Moyers*

COUNTY NAME PERMIT

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

KEITH STERN N LEASE
UTICA UNIT - 631.99 AC±
WELL 15HU
TUG HILL OPERATING



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
slswv.com

Table with columns for well ID, acreage, status, date, owner name, and page numbers. Contains 500 entries of land ownership data.

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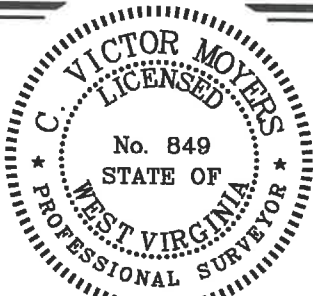
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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
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sls.com

602	10*18169	Y	9-17-4	KAREN K WILLIAMS	927	628
603	10*18170	Y	9-17-4	KAREN MCDOWELL CECIL AND JAMES E CECIL	927	633
604	10*18192	Y	9-17-4	STEPHEN S MASON AND CAROLE K MASON	928	625
605	10*18193	Y	9-17-4	CAROLYN LEE FUREY AND MARTIN J FUREY	949	158
606	10*18194	Y	9-17-4	PAMELA BEYLER AND CHAD R BEYLER	928	630
607	10*18197	Y	9-17-4	BARBARA K BURLEY AND DAVID K BURLEY	928	641
608	10*18198	Y	9-17-4	MARY THERESA SOLEAU AND THOMAS SOLEAU	928	643
609	10*18199	Y	9-17-4	LAWRENCE J VAUGHN AND GAIL L VAUGHN	928	532
610	10*18260	Y	9-17-4	GEMMA RUDY AND TIMOTHY RUDY	928	584
611	10*18295	Y	9-17-4	THOMAS R BAKER AND VICKIE L BAKER	929	262
612	10*18298	Y	9-17-4	MAUREEN GREGG	929	273
613	10*18300	Y	9-17-4	ROBERT W ODOM AND CASSANDRA L ODOM	929	283
614	10*18361	Y	9-17-4	MARY JO CAIN	931	407
615	10*18417	Y	9-17-4	CHERYL L HILL	932	577
616	10*18487	Y	9-17-4	NANCY L STANGEL AND JOHN J STANGEL	933	113
617	10*18488	Y	9-17-4	CHARLINE M ENGLE AND KEVIN E ENGLE	933	118
618	10*18508	Y	9-17-4	PATRICIA LUANNE BONAR	925	351
619	10*18517	Y	9-17-4	LORI SHANAHAN AND PATRICK SHANAHAN	933	575
620	10*18513	Y	9-17-4	JANE LOUISE CAIN AND DANIEL CARL HOLTZ	934	603
621	10*18655	Y	9-17-4	PATRICIA L LEHN	936	95
622	10*18656	Y	9-17-4	PAMELA CALL	936	100
623	10*18658	Y	9-17-4	ELIZABETH JANE KELLER	936	107
624	10*18659	Y	9-17-4	CATHERINE P MASON	936	112
625	10*18799	Y	9-17-4	CHARLES J DARMAFALL DECEASED	937	634
626	10*18805	Y	9-17-4	CINDY STEVENS TOZIER	937	628
627	10*19373	Y	9-17-4	JESSICA WHEATON	931	411
628	10*19403	Y	9-17-4	LAWRENCE R LOTZ	951	114
629	10*19404	Y	9-17-4	HOWARD M CAIN AND EMMA JEAN CAIN	939	283
630	10*19475	Y	9-17-4	WINONA RIDGLE	941	331
631	10*19689	Y	9-17-4	FOMOND TURGEON JR AND CATHY STEVENS TURGEON	944	356
632	10*19718	Y	9-17-4	CHRISTOPHER DAUGHERTY & JENNIFER R DAUGHERTY	944	412
633	10*19879	Y	9-17-4	MARY V GILSON AND WALTER M GILSON	945	588
634	10*19933	Y	9-17-4	MARY ANN GRIFFITH	948	555
635	10*19937	Y	9-17-4	JAMES D STEVENS AND DOROTHY M STEVENS	949	151
636	10*19938	Y	9-17-4	JOHN H STEVENS AND LYNDA L STEVENS	949	144
637	10*21026	Y	9-17-4	NANCY M MORGAN	951	110
638	10*21211	Y	9-17-4	NILA JEAN BAYLES	951	118
639	10*21841	Y	9-17-4	ENERGY DEEP RESOURCES INC	959	631
640	10*21842	Y	9-17-4	JOSEPH NOKOVICH	959	635
641	10*21927	Y	9-17-4	BLACK GOLD GROUP LTD	964	474
642	10*21940	Y	9-17-4	ALYSSA JORDAN & TERRY M JORDAN	953	346
643	10*22376	Y	9-17-4	MARGARET KUCHARZ AND JAMES C KUCHARZ	962	270
644	10*22412	Y	9-17-4	CHAD E LONGFELLOW	963	124
645	10*22599	Y	9-17-4	BRYANT R SWIFT AND KATHY SWIFT	966	456
646	10*22776	Y	9-17-4	JAMES ROBERT WELLS	970	19
647	10*22849	Y	9-17-4	NEIL MCELROY AND SUE MASON MCELROY	977	44
648	10*22851	Y	9-17-4	JOHN J HELLSTERN AND LYNN D HELLSTERN	977	39
649	10*22853	Y	9-17-4	RONALD LEE HENSLEY AND MARY ANN HENSLEY	977	34
650	10*23076	Y	9-17-4	JACK R BERISFORD AKA RANDY BERISFORD	984	43
651	10*23260	Y	9-17-4	IDA M TRAVIS ET AL DAVID C WHITE AS SPECIAL COMMISSIONER	988	73
652	10*23668	Y	9-17-4	THE ESTATE OF RUTH N LUTHER SUZANNE L WOZNIAK EXECUTRIX	1009	286
653	10*47051.219.27	Y	9-17-4	MARSHA BERISFORD	902	425
654	10*47051.219.33	Y	9-17-4	JOHN H HILKE AND ALIDA HILKE	898	602
655	10*47051.219.36	Y	9-17-4	GAREN MCDOWELL AND ELIZABETH MCDOWELL	898	615
656	10*47051.219.37	Y	9-17-4	SUSAN H KEY	898	621
657	10*47051.219.38	Y	9-17-4	TIMOTHY MCDOWELL AND CYNTHIA MCDOWELL	902	431
658	10*47051.219.39	Y	9-17-4	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	902	437
659	10*17169	Y	9-17-4	ALMA L VAN SCYOC	692	404
660	10*17171	Y	9-17-4	OPAL MICKY	690	631
661	10*17173	Y	9-17-4	LLOYD R EVANS	694	526
662	10*47051.219.1	Y	9-17-4	DAVID LEE FRANKUN	874	312
663	10*19702	Y	9-17-4	WV MINERALS INC	951	108
664	10*15832	Z	9-17-3	ANITA DIANE ANTILL AND TERRY ANTILL	742	121
665	10*15835	Z	9-17-3	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	104
666	10*15847	Z	9-17-3	ROGER BRIGHT AND SUSAN LEIMER - DECEASED	743	285
667	10*15848	Z	9-17-3	HOMER L SIMMONS AND GLADYS R SIMMONS	745	194
668	10*15855	Z	9-17-3	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	747	635
669	10*15856	Z	9-17-3	LEO C HILKE AND BETTY M HILKE	747	629
670	10*15870	Z	9-17-3	JOHN H HILKE AND ALIDA HILKE	750	206
671	10*15872	Z	9-17-3	SUSAN H KEY	751	191
672	10*15836	AA	9-17-4.4	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	79
673	10*15837	AA	9-17-4.4	ANITA DIANE ANTILL AND TERRY ANTILL	742	85
674	10*15842	AA	9-17-4.4	HOMER L SIMMONS AND GLADYS R SIMMONS	742	329
675	10*16007	AA	9-17-4.4	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	799	436
676	10*16008	AA	9-17-4.4	DONNA KAY ALLEN AND ROGER ALLEN	801	222
677	10*17500	AA	9-17-4.4	TRACY L AND KEITH W BARNBY	916	116
678	10*17666	AA	9-17-4.4	LILA FAYE BONAR SNODGRASS AND DONALD T SNODGRASS	949	172
679	10*17673	AA	9-17-4.4	JAMES PERRY COCHRAN	932	567
680	10*17707	AA	9-17-4.4	JACQUELYN S FERRARI AND JOHN C FERRARI	949	177
681	10*17709	AA	9-17-4.4	CAROL GONGOLA	949	167
682	10*17765	AA	9-17-4.4	ROBERTA YOUNG	949	163
683	10*17840	AA	9-17-4.4	RONALD D KOONTZ & BETH ANN KOONTZ	942	432
684	10*17886	AA	9-17-4.4	ANNETTE CAIN HANKINS AND HOWARD RONALD HANKINS	924	536
685	10*17887	AA	9-17-4.4	LEO C HILKE AND BETTY M HILKE	924	531
686	10*17977	AA	9-17-4.4	BRANNEN DAUGHERTY	925	359
687	10*17980	AA	9-17-4.4	ANITA RAE MILLER	925	370
688	10*17981	AA	9-17-4.4	MICHAEL E SWIFT AND MELODY A SWIFT	925	372
689	10*18613	AA	9-17-4.4	JANE LOUISE CAIN AND DANIEL CARL HOLTZ	934	603
690	10*18031	AA	9-17-4.4	LEE ANNE MILLER	927	222
691	10*18092	AA	9-17-4.4	DAVID MCDOWELL AND CRYSTAL MCDOWELL	927	283
692	10*18093	AA	9-17-4.4	JENNIFER WHEATON	927	289
693	10*18094	AA	9-17-4.4	BONNIE GRISELL	927	231
694	10*18095	AA	9-17-4.4	TEXYN L MILLER AND GEORGIA A MILLER	927	287
695	10*18098	AA	9-17-4.4	USA ANN MCDOWELL AND ROBERT JOSEPH HILL	939	263
696	10*18099	AA	9-17-4.4	RAE ELLEN FLOYD AND KENNETH FLOYD	927	233
697	10*18107	AA	9-17-4.4	ANITA MAE MASON	927	238
698	10*18157	AA	9-17-4.4	NEIL CALLAND MELINDA CALL	927	492
699	10*18168	AA	9-17-4.4	SANDRA YANAGAWA	927	498
700	10*18169	AA	9-17-4.4	KAREN K WILLIAMS	927	628
701	10*18170	AA	9-17-4.4	KAREN MCDOWELL CECIL AND JAMES E CECIL	927	633
702	10*18192	AA	9-17-4.4	STEPHEN S MASON AND CAROLE K MASON	928	625

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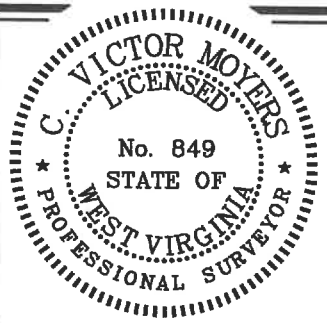
DATE MARCH 18, 20 21

REVISED _____, 20 _____

OPERATORS WELL NO. KEITH STERN N-15HU

API WELL NO. 47 — 051 — 02241

NO. STATE COUNTY PERMIT



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

10/27/2022

P.S. 849 *C. Victor Moyers*

COUNTY NAME PERMIT

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

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UTICA UNIT - 631.99 AC ±
WELL 15HU
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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
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slsvw.com

804	10*18199	CC	9-17-4.3	LAWRENCE J VAUGHN AND GAIL L VAUGHN	928	532
805	10*18260	CC	9-17-4.3	GEMMA RUDY AND TIMOTHY RUDY	928	584
806	10*18295	CC	9-17-4.3	THOMAS R BAKER AND VICKIE L BAKER	929	262
807	10*18298	CC	9-17-4.3	MAUREEN GREGG	929	273
808	10*18300	CC	9-17-4.3	ROBERT W ODOM AND CASSANDRA L ODOM	929	283
809	10*18361	CC	9-17-4.3	MARY JO CAIN	931	407
810	10*18417	CC	9-17-4.3	CHERYL L HILL	932	577
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817	10*18656	CC	9-17-4.3	PAMELA CALL	936	100
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848	10*47051.219.27	CC	9-17-4.3	MARSHA BERISFORD	902	425
849	10*47051.219.33	CC	9-17-4.3	JOHN H HILKE AND ALIDA HILKE	898	602
850	10*47051.219.36	CC	9-17-4.3	GAREN MCDOWELL AND ELIZABETH MCDOWELL	898	615
851	10*47051.219.37	CC	9-17-4.3	SUSAN H KEY	898	621
852	10*47051.219.38	CC	9-17-4.3	TIMOTHY MCDOWELL AND CYNTHIA MCDOWELL	902	431
853	10*47051.219.39	CC	9-17-4.3	AUCE THIPPHAVONG AND VISITH THIPPHAVONG	902	437
854	10*17169	CC	9-17-4.3	ALMA L VAN SCYOC	692	404
855	10*17171	CC	9-17-4.3	OPAL MICKY	690	631
856	10*17173	CC	9-17-4.3	LLOYD R EVANS	694	526
857	10*47061.219.1	CC	9-17-4.3	DAVID LEE FRANKLIN	874	312
858	10*19702	CC	9-17-4.3	WV MINERALS INC	951	108
859	10*15836	DD	9-17-4.2	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	79
860	10*15837	DD	9-17-4.2	ANITA DIANE ANTILL AND TERRY ANTILL	742	85
861	10*15842	DD	9-17-4.2	HOMER L SIMMONS AND GLADYS R SIMMONS	742	329
862	10*16007	DD	9-17-4.2	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	799	436
863	10*16008	DD	9-17-4.2	DONNA KAY ALLEN AND ROGER ALLEN	801	222
864	10*17500	DD	9-17-4.2	TRACY L AND KEITH W BARNBY	916	116
865	10*17666	DD	9-17-4.2	LILA FAYE BONAR SNODGRASS AND DONALD T SNODGRASS	949	172
866	10*17673	DD	9-17-4.2	JAMES PERRY COCHRAN	932	567
867	10*17707	DD	9-17-4.2	JACQUELYN S FERRARI AND JOHN C FERRARI	949	177
868	10*17709	DD	9-17-4.2	CAROL GONGOLA	949	167
869	10*17765	DD	9-17-4.2	ROBERTA YOUNG	949	163
870	10*17840	DD	9-17-4.2	RONALD D KOONTZ & BETH ANN KOONTZ	942	432
871	10*17886	DD	9-17-4.2	ANNETTE CAIN HANKINS AND HOWARD RONALD HANKINS	924	536
872	10*17887	DD	9-17-4.2	LEO C HILKE AND BETTY M HILKE	924	531
873	10*17977	DD	9-17-4.2	BRANNEN DAUGHERTY	925	359
874	10*17980	DD	9-17-4.2	ANITA RAE MILLER	925	370
875	10*17981	DD	9-17-4.2	MICHAEL E SWIFT AND MELODY A SWIFT	925	372
876	10*18613	DD	9-17-4.2	JANE LOUISE CAIN AND DANIEL CARL HOLTZ	934	603
877	10*18031	DD	9-17-4.2	LEE ANNE MILLER	927	222
878	10*18092	DD	9-17-4.2	DAVID MCDOWELL AND CRYSTAL MCDOWELL	927	283
879	10*18093	DD	9-17-4.2	JENNIFER WHEATON	927	289
880	10*18094	DD	9-17-4.2	BONNIE GRISELL	927	231
881	10*18095	DD	9-17-4.2	TEKYN L MILLER AND GEORGIA A MILLER	927	287
882	10*18098	DD	9-17-4.2	LISA ANN MCDOWELL AND ROBERT JOSEPH HILL	939	263
883	10*18099	DD	9-17-4.2	RAE ELLEN FLOYD AND KENNETH FLOYD	927	233
884	10*18107	DD	9-17-4.2	ANITA MAE MASON	927	238
885	10*18167	DD	9-17-4.2	NEL CALL AND MELUNDA CALL	927	492
886	10*18168	DD	9-17-4.2	SANDRA YANAGAWA	927	498
887	10*18169	DD	9-17-4.2	KAREN K WILLIAMS	927	628
888	10*18170	DD	9-17-4.2	KAREN MCDOWELL CECIL AND JAMES E CECIL	927	633
889	10*18192	DD	9-17-4.2	STEPHEN S MASON AND CAROLE K MASON	928	625
890	10*18193	DD	9-17-4.2	CAROLYN LEE FUREY AND MARTIN J FUREY	949	158
891	10*18194	DD	9-17-4.2	PAMELA BEYLER AND CHAD R BEYLER	928	630
892	10*18197	DD	9-17-4.2	BARBARA K BURLEY AND DAVID K BURLEY	928	641
893	10*18198	DD	9-17-4.2	MARY THERESA SOLEAU AND THOMAS SOLEAU	928	643
894	10*18199	DD	9-17-4.2	LAWRENCE J VAUGHN AND GAIL L VAUGHN	928	532
895	10*18260	DD	9-17-4.2	GEMMA RUDY AND TIMOTHY RUDY	928	584
896	10*18295	DD	9-17-4.2	THOMAS R BAKER AND VICKIE L BAKER	929	262
897	10*18298	DD	9-17-4.2	MAUREEN GREGG	929	273
898	10*18300	DD	9-17-4.2	ROBERT W ODOM AND CASSANDRA L ODOM	929	283
899	10*18361	DD	9-17-4.2	MARY JO CAIN	931	407
900	10*18417	DD	9-17-4.2	CHERYL L HILL	932	577
901	10*18487	DD	9-17-4.2	NANCY L STANGEL AND JOHN J STANGEL	933	113
902	10*18488	DD	9-17-4.2	CHARLINE M ENGLE AND KEVIN E ENGLE	933	118
903	10*18508	DD	9-17-4.2	PATRICIA LUANNE BONAR	925	351
904	10*18517	DD	9-17-4.2	LORI SHANAHAN AND PATRICK SHANAHAN	933	575

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FILE NO. 8811P15HUAD.dwg
KEITH STERN N-15HU-REV2

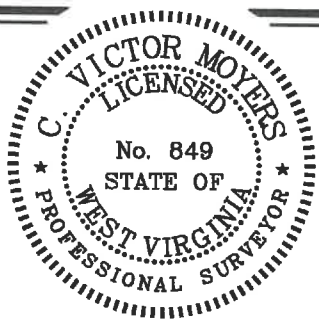
DATE MARCH 18, 2021

REVISED _____, 20_____

OPERATORS WELL NO. KEITH STERN N-15HU

API WELL NO. 47 — 051 — 02241

NO. STATE COUNTY PERMIT



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

10/27/2022

P.S. 849 *C. Victor Moyers*

COUNTY NAME
PERMIT

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

**KEITH STERN N LEASE
UTICA UNIT - 631.99 AC ±
WELL 15HU
TUG HILL OPERATING**



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
slews.com

905	10*18655	DD	9-17-4.2	PATRICIA L LEHN	936	95
906	10*18656	DD	9-17-4.2	PAMELA CALL	986	100
907	10*18658	DD	9-17-4.2	ELIZABETH JANE KELLER	936	107
908	10*18659	DD	9-17-4.2	CATHERINE P MASON	936	112
909	10*18799	DD	9-17-4.2	CHARLES J DARMAFALL DECEASED	937	634
910	10*18805	DD	9-17-4.2	CINDY STEVENS TOZIER	937	628
911	10*19973	DD	9-17-4.2	JESSICA WHEATON	931	411
912	10*19403	DD	9-17-4.2	LAWRENCE R LOTZ	951	114
913	10*19404	DD	9-17-4.2	HOWARD M CAIN AND EMMA JEAN CAIN	939	283
914	10*19476	DD	9-17-4.2	WINONA RIDDLE	941	331
915	10*19689	DD	9-17-4.2	EDMOND TURGEON JR AND CATHY STEVENS TURGEON	944	156
916	10*19718	DD	9-17-4.2	CHRISTOPHER DAUGHERTY & JENNIFER R DAUGHERTY	944	412
917	10*19879	DD	9-17-4.2	MARY V GILSON AND WALTER M GILSON	945	588
918	10*19933	DD	9-17-4.2	MARY ANN GRIFFITH	948	555
919	10*19937	DD	9-17-4.2	JAMES D STEVENS AND DOROTHY M STEVENS	949	151
920	10*19938	DD	9-17-4.2	JOHN H STEVENS AND LYNDA L STEVENS	949	144
921	10*21026	DD	9-17-4.2	NANCY M MORGAN	951	110
922	10*21211	DD	9-17-4.2	NILA JEAN BAYLES	951	118
923	10*21841	DD	9-17-4.2	ENERGY DEEP RESOURCES INC	959	631
924	10*21842	DD	9-17-4.2	JOSEPH NOKOVICH	959	635
925	10*21927	DD	9-17-4.2	BLACK GOLD GROUP LTD	964	474
926	10*21940	DD	9-17-4.2	ALYSSA JORDAN & TERRY M JORDAN	963	346
927	10*22376	DD	9-17-4.2	MARGARET KUCHARZ AND JAMES C KUCHARZ	962	270
928	10*22412	DD	9-17-4.2	CHAD E LONGFELLOW	963	124
929	10*22599	DD	9-17-4.2	BRYANT R SWIFT AND KATHY SWIFT	966	456
930	10*22776	DD	9-17-4.2	JAMES ROBERT WELLS	970	19
931	10*22849	DD	9-17-4.2	NBL MCELROY AND SUE MASON MCELROY	977	44
932	10*22851	DD	9-17-4.2	JOHN J HELLSTERN AND LYNN D HELLSTERN	977	39
933	10*22853	DD	9-17-4.2	RONALD LEE HENSLEY AND MARY ANN HENSLEY	977	34
934	10*23076	DD	9-17-4.2	JACK R BERISFORD AKA RANDY BERISFORD	984	43
935	10*23260	DD	9-17-4.2	IDA M TRAVIS ET AL DAVID C WHITE AS SPECIAL COMMISSIONER	988	73
936	10*23668	DD	9-17-4.2	THE ESTATE OF RUTH N LUTHER SUZANNE L WOZNIAK EXECUTRIX	1009	286
937	10*47051.219.27	DD	9-17-4.2	MARSHA BERISFORD	902	425
938	10*47051.219.33	DD	9-17-4.2	JOHN H HILKE AND AJUDA HILKE	898	602
939	10*47051.219.36	DD	9-17-4.2	GAREN MCDOWELL AND ELIZABETH MCDOWELL	898	615
940	10*47051.219.37	DD	9-17-4.2	SUSAN H KEY	896	621
941	10*47051.219.38	DD	9-17-4.2	TIMOTHY MCDOWELL AND CYNTHIA MCDOWELL	902	431
942	10*47051.219.39	DD	9-17-4.2	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	902	437
943	10*17169	DD	9-17-4.2	ALMA LVAN SCYOC	692	404
944	10*17171	DD	9-17-4.2	OPAL MCKEY	690	631
945	10*17173	DD	9-17-4.2	LLOYD R. EVANS	694	526
946	10*47051.219.1	DD	9-17-4.2	DAVID LEE FRANKLIN	874	312
947	10*19702	DD	9-17-4.2	WV MINERALS INC	951	108
948	10*15836	EE	9-17-5	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	79
949	10*15837	EE	9-17-5	ANITA DIANE ANTILL AND TERRY ANTILL	742	85
950	10*15842	EE	9-17-5	HOMER L SIMMONS AND GLADYS R SIMMONS	742	329
951	10*16007	EE	9-17-5	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	799	436
952	10*17500	EE	9-17-5	TRACY L AND KEITH W BARNBY	916	116
953	10*17666	EE	9-17-5	LILA FAYE BONAR SNODGRASS AND DONALD T SNODGRASS	949	172
954	10*17673	EE	9-17-5	JAMES PERRY COCHRAN	932	567
955	10*17707	EE	9-17-5	JACQUELYN S FERRARI AND JOHN C FERRARI	949	177
956	10*17709	EE	9-17-5	CAROL GONGOLA	949	167
957	10*17765	EE	9-17-5	ROBERTA YOUNG	949	163
958	10*17840	EE	9-17-5	RONALD D KOONTZ & BETH ANN KOONTZ	942	432
959	10*17886	EE	9-17-5	ANNETTE CAIN HANKINS AND HOWARD RONALD HANKINS	924	536
960	10*17887	EE	9-17-5	LEO C HILKE AND BETTY M HILKE	924	531
961	10*17977	EE	9-17-5	BRANNEN DAUGHERTY	925	359
962	10*17980	EE	9-17-5	ANITA RAE MILLER	925	370
963	10*17981	EE	9-17-5	MICHAEL E SWIFT AND MELODY A SWIFT	925	372
964	10*18019	EE	9-17-5	SUSAN H KEY	927	272
965	10*18020	EE	9-17-5	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	927	270
966	10*18031	EE	9-17-5	LEE ANNE MILLER	927	222
967	10*18092	EE	9-17-5	DAVID MCDOWELL AND CRYSTAL MCDOWELL	927	283
968	10*18093	EE	9-17-5	JENNIFER WHEATON	927	289
969	10*18094	EE	9-17-5	BONNIE GRISEL	927	731
970	10*18095	EE	9-17-5	TEXYN L MILLER AND GEORGIA A MILLER	927	287
971	10*18098	EE	9-17-5	LISA ANN MCDOWELL AND ROBERT JOSEPH HILL	939	268
972	10*18099	EE	9-17-5	RAE ELLEN FLOYD AND KENNETH FLOYD	927	233
973	10*18107	EE	9-17-5	ANITA MAE MASON	927	238
974	10*18113	EE	9-17-5	JOHN H HILKE	927	159
975	10*18167	EE	9-17-5	NEL CALL AND MELINDA CALL	927	492
976	10*18168	EE	9-17-5	SANDRA YANAGAWA	927	498
977	10*18169	EE	9-17-5	KAREN K WILLIAMS	927	628
978	10*18170	EE	9-17-5	KAREN MCDOWELL CECIL AND JAMES E CECIL	927	633
979	10*18192	EE	9-17-5	STEPHEN S MASON AND CAROLE K MASON	928	625
980	10*18193	EE	9-17-5	CAROLYN LEE FUREY AND MARTIN J FUREY	949	158
981	10*18194	EE	9-17-5	PAMELA BEYLER AND CHAD R BEYLER	928	630
982	10*18197	EE	9-17-5	BARBARA K BURLEY AND DAVID K BURLEY	928	641
983	10*18198	EE	9-17-5	MARY THERESA SOLEAU AND THOMAS SOLEAU	928	643
984	10*18199	EE	9-17-5	LAWRENCE J VAUGHN AND GAIL L VAUGHN	928	532
985	10*18260	EE	9-17-5	GEMMA RUDY AND TIMOTHY RUDY	928	584
986	10*18295	EE	9-17-5	THOMAS R BAKER AND VICKIE L BAKER	929	262
987	10*18298	EE	9-17-5	MAUREEN GREGG	929	273
988	10*18300	EE	9-17-5	ROBERT W ODOM AND CASSANDRA L ODOM	929	283
989	10*18361	EE	9-17-5	MARY JO CAIN	931	407
990	10*18417	EE	9-17-5	CHERYL L HILL	932	577
991	10*18487	EE	9-17-5	NANCY L STANGEL AND JOHN J STANGEL	933	113
992	10*18488	EE	9-17-5	CHARLINE M ENGLE AND KEVIN E ENGLE	933	118
993	10*18506	EE	9-17-5	PATRICIA LUANNE BONAR	925	351
994	10*18517	EE	9-17-5	LORI SHANAHAN AND PATRICK SHANAHAN	933	575
995	10*18613	EE	9-17-5	JANE LOUISE CAIN AND DANIEL CARL HOLTZ	934	603
996	10*18655	EE	9-17-5	PATRICIA L LEHN	936	95
997	10*18656	EE	9-17-5	PAMELA CALL	936	100
998	10*18658	EE	9-17-5	ELIZABETH JANE KELLER	936	107
999	10*18659	EE	9-17-5	CATHERINE P MASON	936	112
1000	10*18799	EE	9-17-5	CHARLES J DARMAFALL DECEASED	937	634
1001	10*18805	EE	9-17-5	CINDY STEVENS TOZIER	937	628
1002	10*19373	EE	9-17-5	JESSICA WHEATON	931	411
1003	10*19403	EE	9-17-5	LAWRENCE R LOTZ	951	114
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1005	10*19476	EE	9-17-5	WINONA RIDDLE	941	331

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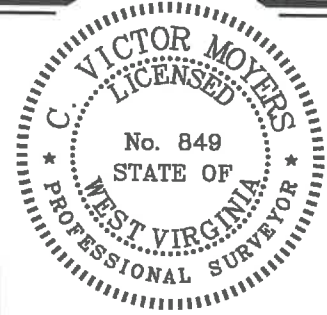
DATE MARCH 18, 20 21

REVISED _____, 20 _____

OPERATORS WELL NO. KEITH STERN N-15HU

API WELL NO. 47 — 051 — 02241

NO. STATE COUNTY PERMIT



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

P.S. 849 C. Victor Moyers

COUNTY NAME _____

PERMIT _____

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

**KEITH STERN N LEASE
UTICA UNIT - 631.99 AC ±
WELL 15HU
TUG HILL OPERATING**



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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.285.5206
sfsww.com

1006	10*19689	EE	9-17-5	EDMOND TURGEON JR AND CATHY STEVENS TURGEON	944	156
1007	10*19718	EE	9-17-5	CHRISTOPHER DAUGHERTY & JENNIFER R DAUGHERTY	944	412
1008	10*19879	EE	9-17-5	MARY V GILSON AND WALTER M GILSON	945	588
1009	10*19933	EE	9-17-5	MARY ANN GRIFFITH	948	555
1010	10*19937	EE	9-17-5	JAMES D STEVENS AND DOROTHY M STEVENS	949	151
1011	10*19938	EE	9-17-5	JOHN H STEVENS AND LYNDAL STEVENS	949	144
1012	10*21026	EE	9-17-5	NANCY M MORGAN	951	110
1013	10*21211	EE	9-17-5	NILA JEAN BAYLES	951	118
1014	10*21841	EE	9-17-5	ENERGY DEEP RESOURCES INC	959	631
1015	10*21842	EE	9-17-5	JOSEPH NOKOVICH	959	635
1016	10*21927	EE	9-17-5	BLACK GOLD GROUP LTD	964	474
1017	10*21940	EE	9-17-5	ALYSSA JORDAN & TERRY M JORDAN	953	346
1018	10*22376	EE	9-17-5	MARGARET KUCHARZ AND JAMES C KUCHARZ	962	270
1019	10*22412	EE	9-17-5	CHAD E LONGFELLOW	963	124
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1021	10*22776	EE	9-17-5	JAMES ROBERT WELLS	970	19
1022	10*22849	EE	9-17-5	NEL MCELROY AND SUE MASON MCELROY	977	44
1023	10*22851	EE	9-17-5	JOHN J HELLSTERN AND LYNN D HELLSTERN	977	39
1024	10*22853	EE	9-17-5	RONALD LEE HENSLEY AND MARY ANN HENSLEY	977	34
1025	10*23076	EE	9-17-5	JACK R BERISFORD AKA RANDY BERISFORD	984	43
1026	10*23260	EE	9-17-5	IDA M TRAVIS ET AL DAVID C WHITE AS SPECIAL COMMISSIONER	988	73
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1028	10*47051.219.27	EE	9-17-5	MARSHA BERISFORD	902	425
1029	10*47051.219.36	EE	9-17-5	GAREN MCDOWELL AND ELIZABETH MCDOWELL	896	615
1030	10*19702	EE	9-17-5	WV MINERALS INC	951	108
1031	10*17169	EE	9-17-5	ALMA L VAN SCYOC	692	404
1032	10*17171	EE	9-17-5	OPAL MICKY	690	631
1033	10*17173	EE	9-17-5	LLOYD R. EVANS	694	526
1034	10*47051.219.1	EE	9-17-5	DAVID LEE FRANKLIN	874	312
1035	10*21095	FF	9-15-40.1	TIMOTHY LEE COLLEY	951	200
1036	10*21096	FF	9-15-40.1	GEORGE L DUNN AND NANCY MARIE DUNN	951	194
1037	10*21097	FF	9-15-40.1	JAMES DUNN AND DONNA K DUNN	951	197
1038	10*21205	FF	9-15-40.1	RONALD W REINBEAU	953	86
1039	10*21207	FF	9-15-40.1	KEITH W STORCH AND DEBORAH A STORCH	951	209
1040	10*21208	FF	9-15-40.1	JOHN T CRISWELL AND CATHERINE A CRISWELL	951	206
1041	10*21210	FF	9-15-40.1	PETER G STORCH AND LAURIE L STORCH	951	203
1042	10*21231	FF	9-15-40.1	JENNIFER SHAWN GLOVER	953	89
1043	10*21232	FF	9-15-40.1	JEFFREY BRYAN CRISWELL	953	92
1044	10*21233	FF	9-15-40.1	WILLIAM LINSLEY CRISWELL	953	95
1045	10*21398	FF	9-15-40.1	LYNN ELLIOTT AND JUDITH ELLIOTT	957	301
1046	10*21872	FF	9-15-40.1	ROSEMARIE BERISFORD	953	484
1047	10*21399	FF	9-15-40.1	MARY M MORRIS	956	642
1048	10*21528	FF	9-15-40.1	PATRICIA KIRCHNER	959	305
1049	10*21839	FF	9-15-40.1	WILLIAM BRYAN COLLEY	959	445
1050	10*21845	FF	9-15-40.1	PATRICIA DOFKA	959	448
1051	10*21865	FF	9-15-40.1	FRANK A STORCH JR AND SUSAN STORCH	959	442
1052	10*21874	FF	9-15-40.1	CHAZ AARON COLLEY AND DANA COLLINS	953	475
1053	10*21957	FF	9-15-40.1	CATHERINE I AND ERNEST M SILVERIO	960	15
1054	10*21966	FF	9-15-40.1	DAVID HALL AND SANDRA SUE HALL	959	644
1055	10*21973	FF	9-15-40.1	REID ELATTACHE AND TONYA ELATTACHE	960	502
1056	10*21980	FF	9-15-40.1	CHARLES C SEAMON	954	344
1057	10*21989	FF	9-15-40.1	NEL SCHAFFER AND CHRISTAL L SCHAFFER	953	481
1058	10*22112	FF	9-15-40.1	EMMA JO CRISWELL	961	349
1059	10*22127	FF	9-15-40.1	JUDITH L BENEDICT AND LOUIS G BENEDICT	961	343
1060	10*22159	FF	9-15-40.1	JOSHUA W SEAMON	953	478
1061	10*22833	FF	9-15-40.1	RANDY W MORRIS SR AND CHERYL MORRIS	956	465
1062	10*25524	FF	9-15-40.1	JAMES P MILLER	1009	375
1063	10*25534	FF	9-15-40.1	LINDA K AND MICHAEL HUMES	1010	565
1064	10*24721	FF	9-15-40.1	JAMES R SNIDER AND CYNTHIA L SNIDER	1025	617
1065	10*15833	GG	9-17-7	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	73
1066	10*15834	GG	9-17-7	ANITA DIANE ANTILL AND TERRY ANTILL	742	110
1067	10*15841	GG	9-17-7	HOMER L SIMMONS AND GLADYS R SIMMONS	742	366
1068	10*24120	GG	9-17-7	CHARLES E THOSS	1022	360
1069	10*24490	GG	9-17-7	GREGORY M TARR AND KAREN B TARR	1025	953
1070	10*25620	GG	9-17-7	THE GRACIA BAKER REVOCABLE LIVING TRUST DATED JULY 12 2001	1033	909
1071	10*26423	GG	9-17-7	PATRICIA & MICHAEL QUARANTO	1034	593
1072	10*26695	GG	9-17-7	DEBORAH JEAN TARR-UNKNOWN HEIRS	1041	437
1073	10*26905	GG	9-17-7	JONATHAN RANKIN	1036	117
1074	10*26906	GG	9-17-7	ELIZABETH A GREEN TRUST	1036	111
1075	PENDING	GG	9-17-7	CHRISTINE RANKIN SMALLWOOD	PENDING	PENDING
1076	10*26907	GG	9-17-7	CHARLES S TARR	1036	123
1077	10*47051.185.1	HH	9-17-39	HOMER L SIMMONS AND GLADYS R SIMMONS	885	68
1078	10*47051.185.2	HH	9-17-39	LUCINDA RAE ALLEN AND DAVID A ALLEN	894	482
1079	10*47051.185.3	HH	9-17-39	ANITA DIANE ANTILL AND TERRY ANTILL	885	71
1080	10*47051.185.1	II	9-17-38	HOMER L SIMMONS AND GLADYS R SIMMONS	885	68
1081	10*47051.185.2	II	9-17-38	LUCINDA RAE ALLEN AND DAVID A ALLEN	894	482
1082	10*47051.185.3	II	9-17-38	ANITA DIANE ANTILL AND TERRY ANTILL	885	71
1083	10*47051.185.1	JJ	9-17-38.1	HOMER L SIMMONS AND GLADYS R SIMMONS	885	68
1084	10*47051.185.2	JJ	9-17-38.1	LUCINDA RAE ALLEN AND DAVID A ALLEN	894	482
1085	10*47051.185.3	JJ	9-17-38.1	ANITA DIANE ANTILL AND TERRY ANTILL	885	71
1086	10*15802	KK	9-17-37	TOM GOULDSBERRY	683	640
1087	10*15803	KK	9-17-37	CHARLOTTE CROW	683	631
1088	10*15804	KK	9-17-37	JOE GOULDSBERRY	683	637
1089	10*15805	KK	9-17-37	MARY ELLEN CHAMBERS	694	82
1090	10*15806	KK	9-17-37	JOANNE FOX	683	634
1091	10*15807	KK	9-17-37	GLORIS VAN SCYOC	685	190
1092	10*15808	KK	9-17-37	ANGELA YOHO	685	199
1093	10*15809	KK	9-17-37	RYAN J AND MICHELE L RIDDLE	687	225
1094	10*15810	KK	9-17-37	FLOSSIE P RUTAN	690	266
1095	10*15811	KK	9-17-37	SANDRA M WINSLOW	719	51
1096	10*21969	KK	9-17-37	MARK WESLEY RICHARDSON	960	507

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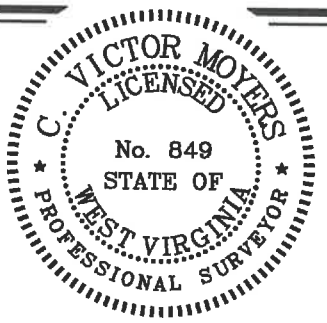
DATE MARCH 18, 20 21

REVISED _____, 20 _____

OPERATORS WELL NO. KEITH STERN N-15HU

API WELL NO. 47 — 051 — 02241

NO. STATE COUNTY PERMIT



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

P.S. 849 *C. Victor Moyers*

10/21/2022

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