

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

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SEP 30 2022

WV Department of
Environmental Protection

API 47-051-02243 County Marshall District Mead
Quad Glen Easton 7.5' Pad Name Keith Stern Field/Pool Name _____
Farm name TH Exploration, LLC Well Number Keith Stern S-18HU
Operator (as registered with the OOG) Tug Hill Operating, LLC
Address 380 Southpointe Boulevard, Plaza II, Suite 200 City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,402,810.91 Easting 526,362.72
Landing Point of Curve Northing 4,402,373.8 Easting 526,621.1
Bottom Hole Northing 4,400,595.9 Easting 527,623.2

Elevation (ft) 744.65' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
SOBM; Base oil, osmotic inhibitor, weighting agent, viscosifier, emulsifier, hardness buffer, fluid loss additive, LCM, Shale inhibitor, de-foamer, soaping agent, coagulant, flocculant; specific additives per WSSP and Permit.

Date permit issued 10/22/2019 Date drilling commenced conductor: 11/7/2019 big rig: 1/31/2020 Date drilling ceased 3/3/2020
Date completion activities began 7/16/2021 Date completion activities ceased 7/30/2021
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 439' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 932' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 340-346', 433-439' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED
Reviewed by:

SC
10/21/2022
STRADLER GOWEN

API 47-051 - 02243 Farm name TH Exploration, LLC Well number Keith Stern S-18HU

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	36"	30"	120'	NEW	94.5#	N/A	Y
Surface	26"	20"	534'	NEW	106.5#	N/A	Y
Coal							
Intermediate 1	17 1/2"	13 3/8"	2,239'	NEW	54.5#	N/A	Y
Intermediate 2	12 1/4"	9 5/8"	10,152'	NEW	47#	N/A	Y
Intermediate 3							
Production	8 1/2"	5 1/2"	18,598'	NEW	23#	N/A	Y
Tubing		2 7/8"	9,299'	NEW	4.7#	N/A	Y
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	A	547	15.6	1.8	646	0	8
Surface	A	338	15.6	1.2	406	0	8
Coal							
Intermediate 1	A	1827	14.5	1.16	2,119	0	8
Intermediate 2	A	4400	14.5	1.16	5,104	0	8
Intermediate 3							
Production	A	4205	16.5	1.1	4,626	0	8
Tubing							

Drillers TD (ft) 18,630'

Loggers TD (ft) n/a

Deepest formation penetrated Trenton

Plug back to (ft) n/a

Plug back procedure n/a

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Kick off depth (ft) 10,638'

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Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING 3 centralizers on surface casing at equal distance.

Intermediate - 1 centralizer every other joint.

Production - one centralizer every other joint in lateral, one centralizer every joint through curve, one centralizer every other joint to surface.

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

10/21/2022

**KEITH STERN S-18HU
PEFORATION RECORD**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	7/16/2021	18,409	18,457	12	Utica
2	7/16/2021	18,182	18,358	48	Utica
3	7/17/2021	17,982	18,158	48	Utica
4	7/17/2021	17,783	17,959	48	Utica
5	7/18/2021	17,583	17,759	48	Utica
6	7/18/2021	17,384	17,560	48	Utica
7	7/19/2021	17,184	17,360	48	Utica
8	7/21/2021	16,985	17,161	48	Utica
9	7/22/2021	16,785	16,961	48	Utica
10	7/22/2021	16,586	16,762	48	Utica
11	7/22/2021	16,386	16,562	48	Utica
12	7/23/2021	16,187	16,363	48	Utica
13	7/23/2021	15,987	16,163	48	Utica
14	7/23/2021	15,788	15,964	48	Utica
15	7/24/2021	15,588	15,764	48	Utica
16	7/24/2021	15,389	15,565	48	Utica
17	7/24/2021	15,189	15,365	48	Utica
18	7/25/2021	14,990	15,166	48	Utica
19	7/25/2021	14,790	14,966	48	Utica
20	7/25/2021	14,591	14,767	48	Utica
21	7/26/2021	14,391	14,567	48	Utica
22	7/26/2021	14,192	14,368	48	Utica
23	7/27/2021	13,992	14,168	48	Utica
24	7/27/2021	13,793	13,969	48	Utica
25	7/27/2021	13,593	13,769	48	Utica
26	7/28/2021	13,394	13,570	48	Utica
27	7/28/2021	13,194	13,370	48	Utica
28	7/28/2021	12,995	13,171	48	Utica
29	7/29/2021	12,795	12,971	48	Utica
30	7/29/2021	12,596	12,772	48	Utica
31	7/29/2021	12,396	12,572	48	Utica
32	7/30/2021	12,197	12,373	48	Utica
33	7/30/2021	11,997	12,173	48	Utica
34	7/30/2021	11,798	11,974	48	Utica

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STIMULATION INFORMATION PER STAGE

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Stage No.	Ave. Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	82.06	11682	5000	7161	249200	6,761	0
2	88.29	11396	9159	7720	506340	7,853	0
3	88.82	11159	9887	7407	502780	7,887	0
4	88.12	11121	9695	7607	500060	9,191	0
5	88.08	11140	10518	7892	500500	7,911	0
6	88.81	10996	9873	8015	504200	7,875	0
7	88.75	11078	9282	7927	509120	7,922	0
8	90.00	11356	10131	8101	507260	7,852	0
9	89.91	11279	10563	8295	506460	7,817	0
10	89.46	11040	9710	8018	495520	7,883	0
11	90.19	11059	9779	8482	508560	8,013	0
12	89.58	11165	10387	8223	496000	7,865	0
13	88.43	10785	11033	8314	498300	7,943	0
14	89.67	10983	9967	8306	496940	7,910	0
15	90.20	11208	9225	8396	506220	7,882	0
16	88.52	11169	9617	8017	506880	7,952	0
17	90.35	11279	10207	7892	508220	8,328	0
18	88.75	10877	10445	8350	505300	7,751	0
19	88.40	10889	10320	8228	508120	7,874	0
20	90.16	10892	9135	7985	496500	7,730	0
21	89.30	10937	9368	8146	503000	7,682	0
22	88.53	10515	9562	8444	499600	7,670	0
23	88.02	10811	10103	8216	504120	8,623	0
24	88.00	10745	9390	8209	498020	7,729	0
25	90.42	10606	9767	8550	505560	7,793	0
26	90.58	10537	10047	7932	496620	7,605	0
27	88.63	10515	9971	8328	499860	7,693	0
28	89.10	10594	10081	8103	496690	7,600	0
29	90.01	10725	9994	8380	506240	7,717	0
30	88.70	10617	9939	8347	484560	7,533	0
31	89.51	10615	10091	7956	507620	7,726	0
32	89.77	10335	9621	8733	507580	7,726	0

Stage No.	Ave. Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
33	90.77	10272	10570	8570	502500	7,664	0
34	89.00	10248	9592	7979	501500	7,675	0

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KEITH STERN S-18HU
LITHOLOGY INFORMATION

LITHOLOGY/FORMATION	TOP DEPTH IN FT/ Name TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID
Maxton	1496	1641	1496	1642	Sandstone
Big Lime	1641	1694	1642	1695	Limestone
Big Injun	1694	1954	1695	1956	Sandstone
Weir	1954	2145	1956	2147	Sandstone
Berea	2145	2410	2147	2412	Sandstone
Gordon	2410	2506	2412	2508	Sandstone
Fifty Foot	2506	3142	2508	3144	Sandstone
Speechley	3142	4590	3144	4592	Sandstone
Benson	4590	4983	4592	4985	Sandstone
Alexander	4983	5619	4985	5621	Siltstone
Rhinestreet	5619	6063	5621	6065	Black Shale
Middlesex	6063	6087	6065	6089	Black Shale
Geneseo/Burkett	6087	6133	6089	6135	Black Shale
Tully	6133	6165	6135	6167	Limestone
Hamilton	6165	6202	6167	6204	Gray Shale
Marcellus	6202	6270	6204	6272	Black Shale
Onondaga	6270	6321	6272	6323	Limestone
Oriskany	6321	6547	6323	6549	Sandstone
Helderberg	6547	6673	6549	6675	Limestone
Salina	6673	7028	6675	7033	Salt/Anhydrite/LS
Lockport	7028	8157	7033	8186	Dolomite
Rose Hill	8157	8532	8186	8568	Shale
Packer Shell	8532	8807	8568	8847	Limestone
Clinton/Tuscarora	8807	9027	8847	9071	Sandstone
Juniata/Queenston	9027	9144	9071	9190	Red Shale
Reedsville	9144	10968	9190	11106	Gray Shale
Utica	10968	11229	11106	11592	Black Shale
Point Pleasant	11229	-	11592	-	Shale/Limestone

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KEITH STERN S-19HU
LITHOLOGY INFORMATION

LITHOLOGY/FORMATION	TOP DEPTH IN FT/ Name TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID
Maxton	1503	1647	1503	1647	Sandstone
Big Lime	1647	1701	1647	1701	Limestone
Big Injun	1701	1960	1701	1960	Sandstone
Weir	1960	2152	1960	2153	Sandstone
Berea	2152	2417	2153	2418	Sandstone
Gordon	2417	2512	2418	2514	Sandstone
Fifty Foot	2512	3148	2514	3152	Sandstone
Speechley	3148	4597	3152	4606	Sandstone
Benson	4597	4990	4606	5000	Sandstone
Alexander	4990	5628	5000	5641	Siltstone
Rhinestreet	5628	6068	5641	6082	Black Shale
Middlesex	6068	6142	6082	6156	Black Shale
Geneseo/Burkett	6142	6173	6156	6188	Black Shale
Tully	6173	6208	6188	6223	Limestone
Hamilton	6208	6316	6223	6331	Gray Shale
Marcellus	6316	6376	6331	6391	Black Shale
Onondaga	6376	6568	6391	6584	Limestone
Oriskany	6568	6678	6584	6695	Sandstone
Helderberg	6678	7041	6695	7062	Limestone
Salina	7041	8087	7062	8132	Salt/Anhydrite/LS
Lockport	8087	8462	8132	8519	Dolomite
Rose Hill	8462	8733	8519	8802	Shale
Packer Shell	8733	8938	8802	9018	Limestone
Clinton/Tuscarora	8938	9044	9018	9129	Sandstone
Juniata/Queenston	9044	10013	9129	10127	Red Shale
Reedsville	10013	10979	10127	11169	Gray Shale
Utica	10979	11243	11169	11649	Black Shale
Point Pleasant	11243	-	11649	-	Shale/Limestone

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/16/2021
Job End Date:	7/30/2021
State:	West Virginia
County:	Marshall
API Number:	47-051-02243-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Keith Stems S 18HU
Latitude:	39.77482608
Longitude:	-80.69216638
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11,332
Total Base Water Volume (gal):	11,198,699
Total Base Non Water Volume:	0

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Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Tug Hill Operating	Carrier/Base Fluid	Water	7732-18-5	100.00000	84.39026	None
Sand (40/70 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	11.90321	None
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	3.29099	None
Hydrochloric Acid (7.5%)	CNR	Acidizing	Water	7732-18-5	85.00000	0.24681	None
SlimStream FR 9800	Chemstream	Friction Reducer	Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.10744	None
			Butene, homopolymer	9003-29-6	25.00000	0.01992	None
			Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01992	None
MC MX 9-4743	Multi-Chem	Biocide	Ethoxylated alcohols (C12-18)	88213-23-0	3.00000	0.00238	None
LD-7750W	Multi-Chem	Scale Inhibitor	Sodium Nitrate	7631-99-4	60.00000	0.02146	None

10/21/2022

**KEITH STERN N LEASE
UTICA UNIT - 452.76 AC±
WELL 18HU
TUG HILL OPERATING**



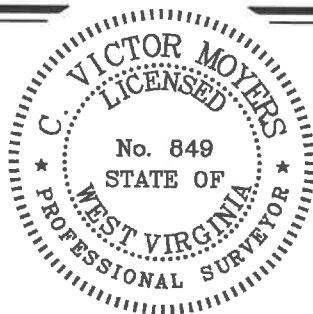
12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com

No.	Lease ID	Tag	Parcel	Grantor, Lessor, Etc.	Deed Book/Page
1	10*15605	A	9-14-24.1	ISAAC CROW ET UX	74 394
2	10*15605	B	9-14-24	ISAAC CROW ET UX	74 394
3	10*15609	C	9-14-20	WILLIAM K STERN AND BETTY L STERN	718 320
4	10*15812	D	9-14-23	WILLIAM K STERN AND BETTY L STERN	687 220
5	10*16436	D	9-14-23	REAGAN D YEATTS AND CHRISTOPHER M YEATTS	961 339
6	10*18269	D	9-14-23	GENELDA MASON	942 460
7	10*18299	D	9-14-23	CAROL L BOBBY AND DONALD J BOBBY	929 281
8	10*18354	D	9-14-23	DEBORAH L TURLEY	931 352
9	10*18355	D	9-14-23	JUDITH F TEMPLE AND LOUIS I TEMPLE	931 350
10	10*18356	D	9-14-23	LARRY W ALLEY	931 348
11	10*18357	D	9-14-23	DEBORAH SUE KYLE	931 346
12	10*18358	D	9-14-23	SHARLA ROLLINS AND GARY ROLLINS	931 358
13	10*18419	D	9-14-23	CARLA MAE ALLEY	932 539
14	10*18420	D	9-14-23	VICTOR E ALLEY JR AND DEBRA A ALLEY	932 582
15	10*18421	D	9-14-23	DONNA JUNE STRAIT AND GARY E STRAIT	932 588
16	10*18429	D	9-14-23	GEORGE L DUNN AND NANCY MARIE DUNN	932 601
17	10*18430	D	9-14-23	JAMES DUNN AND DONNA K DUNN	932 604
18	10*18432	D	9-14-23	ROSEMARIE BERISFORD	932 572
19	10*18484	D	9-14-23	BRENDA REED	933 107
20	10*18485	D	9-14-23	BARBARA JO BEVERIDGE	933 109
21	10*18490	D	9-14-23	STACY L BARNHART	933 123
22	10*18491	D	9-14-23	LORI A FARMER AND DANIEL K FARMER	933 131
23	10*18512	D	9-14-23	CHRISTINA NESTELL AND CHARLES E NESTELL III	933 565
24	10*18515	D	9-14-23	WILLIAM P DAUBE	933 573
25	10*18518	D	9-14-23	SUSAN I BAKER	933 580
26	10*18520	D	9-14-23	CHRISTOPHER SAUDERS	933 584
27	10*18612	D	9-14-23	NANNETTE BERLECH	932 542
28	10*18617	D	9-14-23	SHEILA SIMMONS AND JEFFREY R SIMMONS	934 613
29	10*18644	D	9-14-23	FRANK A STORCH JR AND SUSAN STORCH	936 149
30	10*18645	D	9-14-23	SANDRA SUE HALL AND DAVID HALL	936 155
31	10*18647	D	9-14-23	PETER G STORCH AND LAURIE L STORCH	936 152
32	10*18648	D	9-14-23	LAWRENCE E CHIAPPETTA AND PATRICIA A CHIAPPETTA	936 161
33	10*18649	D	9-14-23	RODNEY K BANE AND CATHIE J BANE	936 164
34	10*18652	D	9-14-23	BECKY LANDRIS	936 172
35	10*18653	D	9-14-23	DALE R ALLEY	936 174
36	10*18673	D	9-14-23	RACHEL THORNE AND FRED THORNE JR	938 574
37	10*18674	D	9-14-23	JOHN T CRISWELL AND CATHERINE A CRISWELL	938 579
38	10*18675	D	9-14-23	JEFFREY BRYAN CRISWELL	938 582
39	10*18676	D	9-14-23	JENNIFER SHAWN GLOVER	938 576
40	10*18677	D	9-14-23	PATRICIA DOFKA	938 585
41	10*18678	D	9-14-23	WILLIAM LINSLEY CRISWELL	938 588
42	10*18763	D	9-14-23	VAUGHN HONE SR & LINDA MARIE HONE	938 225
43	10*18766	D	9-14-23	TOM ALLEY	938 223
44	10*18797	D	9-14-23	DORETTA RUSH	937 622
45	10*18808	D	9-14-23	PATRICIA KIRCHNER	937 644
46	10*18809	D	9-14-23	JUDITH CLORADITCH	937 647
47	10*19392	D	9-14-23	RODNEY W RUSH AND CRYSTAL D RUSH	940 336
48	10*19400	D	9-14-23	BULA F YOST	940 342
49	10*19405	D	9-14-23	ANN MARIE STEVENS AND CURTIS STEVENS	939 287
50	10*19417	D	9-14-23	SYLVIA R SPALENY AND ROBERT A SPALENY	939 595
51	10*19423	D	9-14-23	KEITH W STORCH AND DEBORAH A STORCH	934 600
52	10*19477	D	9-14-23	DEBORAH A MILLER	941 320
53	10*19479	D	9-14-23	DENISE WILLIAMSON	941 329
54	10*19510	D	9-14-23	REED O MILLER	933 571
55	10*19525	D	9-14-23	AUGUSTUS R MCMAHON III AND MICHELE M MCMAHON TRUSTEES OF THE AUGUSTUS R MCMAHON III LIVING TRUST	943 509
56	10*19527	D	9-14-23	AUGUSTUS RUSH MCMAHON III TRUSTEE OF THE PAMELA J MCMAHON REVOCBLE TRUST	953 339
57	10*19530	D	9-14-23	SHAROL K CASADA	943 1
58	10*19531	D	9-14-23	DELBERT D RUSH AND BETTY RUTH RUSH	942 615
59	10*19625	D	9-14-23	DURR SUCKEL & ELIZABETH SUCKEL	944 150
60	10*19626	D	9-14-23	LAURIE R BROWN	944 153
61	10*19676	D	9-14-23	RONALD W REINBEAU	944 456
62	10*19677	D	9-14-23	NEIL SCHAFFER AND CHRISTAL L SCHAFFER	944 147
63	10*19681	D	9-14-23	TIMOTHY LEE COLLEY	944 140
64	10*19683	D	9-14-23	TERESA ALLEY	944 145
65	10*19686	D	9-14-23	KAREN J AND MICHAEL E BRUGGEMAN	944 142
66	10*19712	D	9-14-23	CHAZ AARON COLLEY AND DANA COLLINS	957 139
67	10*19723	D	9-14-23	REID ELATTRACHE AND TONYA ELATTRACHE	957 131
68	10*19859	D	9-14-23	ELIZABETH A STARC	945 603
69	10*19860	D	9-14-23	AUCIA N STARC	945 601
70	10*19861	D	9-14-23	JOSEPH F STARC JR AND DONNA STARC	945 605
71	10*19862	D	9-14-23	STACY R BENNETT	945 608
72	10*19864	D	9-14-23	JOE Y KELLER JR AND SHARON MARIE KELLER	945 610
73	10*19935	D	9-14-23	SARA E STARC	948 553
74	10*19936	D	9-14-23	SHERWOOD MASON NILA JUNE MASON	948 255
75	10*19940	D	9-14-23	EMMA JO CRISWELL	948 551
76	10*21028	D	9-14-23	BRENDA GILBERT	951 159
77	10*21094	D	9-14-23	KATHERINE DEGROOT AND DANIEL DEGROOT	951 151
78	10*21111	D	9-14-23	DONNA G AND PAUL L CHIMELYSKI	951 154
79	10*21209	D	9-14-23	CHARLES R WILLIAMSON JR	951 157
80	10*21228	D	9-14-23	CHARLES F HORNER & LORAIN G HORNER	952 434
81	10*21229	D	9-14-23	TARA E CAUSEY	952 432
82	10*21395	D	9-14-23	DANIEL L LANDRIS AND JOAN L LANDRIS	956 625
83	10*21396	D	9-14-23	MICHAEL D ZUCKER	956 647
84	10*21441	D	9-14-23	JOSEPH A MURPHY AND VIRGINIA ANNE MURPHY	956 631
85	10*21443	D	9-14-23	ROBERT L LANDRIS AND LIBERTY JANE LANDRIS	956 628
86	10*21490	D	9-14-23	DANIEL E WILLIAMSON AND HEATHER R WILLIAMSON	957 153
87	10*21493	D	9-14-23	DENZIL ALLEY JR	958 64
88	10*21497	D	9-14-23	KATHLEEN G WILLIAMSON	957 324
89	10*21837	D	9-14-23	WILLIAM BRYAN COLLEY	959 627
90	10*21873	D	9-14-23	MICHAEL WAYNE ALLEY AND LINDA ALLEY	953 501
91	10*21961	D	9-14-23	JOHN WILLIAMSON JR	960 24
92	10*21972	D	9-14-23	CATHERINE I AND ERNEST M SILVERIO	960 586
93	10*21979	D	9-14-23	CHARLES C SEAMON	954 340
94	10*21991	D	9-14-23	THE JOANN REILLY TRUST KIMBERLY MAEZ TRUSTEE	953 341
95	10*21997	D	9-14-23	MICHAEL SAUDERS AND AMI SAUDERS	953 505
96	10*22004	D	9-14-23	RALPH EDWARD WILLIAMSON	953 507
97	10*22037	D	9-14-23	JOSHUA W SEAMON	953 503
98	10*22053	D	9-14-23	LARRY R CRANE	953 344

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Environmental Protection



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



10/21/2022

P.S.
849

C. Victor Moyers

COUNTY NAME
PERMIT

FILE NO. 8811P18HUAD.dwg
KEITH STERN S-18HU-REV1

DATE JUNE 11, 20 20

REVISED _____, 20 _____

OPERATORS WELL NO. KEITH STERN S-18HU

API WELL NO. 47 — 051 — 2243
STATE COUNTY 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
4600 D BIG TYLER ROAD
CHARLESTON, WV 25313

**KEITH STERN N LEASE
UTICA UNIT - 452.76 AC ±
WELL 18HU
TUG HILL OPERATING**



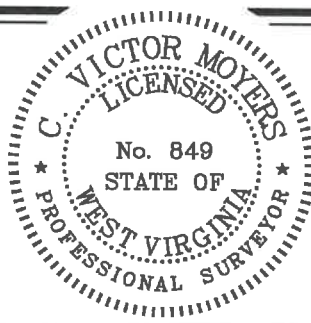
12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slewy.com

99	10*22089	D	9-14-23	MARCIA A LUKE	961	333
100	10*22110	D	9-14-23	JENNIFER ALLEY FISHER & ROBERT D FISHER	961	347
101	10*22127	D	9-14-23	JUDITH L BENEDICT AND LOUIS G BENEDICT	961	343
102	10*22150	D	9-14-23	CHAD ERIC BENNETT AND MARY A BENNETT	954	338
103	10*22257	D	9-14-23	CHARLES F ALLEY TRUST EMMANUEL PREVOLES TRUSTEE	970	26
104	10*22328	D	9-14-23	SUSAN L GOLDSBERRY	962	549
105	10*22329	D	9-14-23	SALLY M COTEREL-CHANEY	962	547
106	10*22380	D	9-14-23	JUDITH S KNIGHT	962	276
107	10*22411	D	9-14-23	EARL FRAZIER AND LYDIA ARMENTA	963	128
108	10*22461	D	9-14-23	BRIAN R MORGAN	964	453
109	10*22501	D	9-14-23	LUNDA K AND MICHAEL HUMES	948	372
110	10*22502	D	9-14-23	JAMES P MILLER	946	215
111	10*22775	D	9-14-23	DIANNA LEA SHEPARD	970	30
112	10*22778	D	9-14-23	DANNY E COCHRAN AND LORI ANN COCHRAN	972	40
113	10*22833	D	9-14-23	RANDY W MORRIS SR AND CHERYL MORRIS	966	465
114	10*22848	D	9-14-23	JULIA RAE BROOKS	977	30
115	10*22854	D	9-14-23	SUSAN EXLINE	977	32
116	10*22878	D	9-14-23	AUBREY E REILLY	977	25
117	10*22879	D	9-14-23	BRENDAN Q REILLY	977	28
118	10*23148	D	9-14-23	IDA A ALLEY AND J F ALLEY	117	45
119	10*15957	E	9-14-20.3	BRADLEY CROW AND BETTY L CROW	768	350
120	10*15958	E	9-14-20.3	GLADYS CROW	769	609
121	10*15959	E	9-14-20.3	LEWIS M QUIGLEY AND MAXINE V QUIGLEY	769	603
122	10*15960	E	9-14-20.3	CONNIE HECKLE	770	547
123	10*15961	E	9-14-20.3	H GLENN CROW	770	565
124	10*15962	F	9-14-20.1	BRADLEY CROW AND BETTY L CROW	768	362
125	10*15963	F	9-14-20.1	LEWIS M QUIGLEY AND MAXINE V QUIGLEY	769	416
126	10*15964	F	9-14-20.1	GLADYS CROW	769	410
127	10*15965	F	9-14-20.1	H GLENN CROW	770	535
128	10*15966	F	9-14-20.1	CONNIE HECKLE	770	541
129	10*23458	G	WV - FISH CREEK	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	1019	373
130	10*47051.243.1	H	9-14-21	MARY A FOX	879	332
131	10*47051.243.2	H	9-14-21	PAUL G FOX	879	335
132	10*47051.243.3	H	9-14-21	MARK H FOX	879	338
133	10*47051.243.4	H	9-14-21	DAVID E FOX	876	55
134	10*47051.243.5	H	9-14-21	LOUIS T FOX AND KAREN A FOX	876	58
135	10*47051.243.6	H	9-14-21	THOMAS J FOX	876	61
136	10*23053	I	9-14-11.3	CE YOUNG	63	146
137	10*23053	J	9-14-11	CE YOUNG	63	146
138	10*19621	K	9-14-1.1	MARY RUTH FROHNAPFEL	938	595
139	10*19622	K	9-14-1.1	KENNETH D SIBURT JR AND LORI SIBURT	938	597
140	10*19623	K	9-14-1.1	SANDRA SIBURT FROWEN & GEORGE FROWEN	938	600
141	10*19627	K	9-14-1.1	RONALD S YOUNG	944	192
142	10*19655	K	9-14-1.1	CHESTNUT HOLDINGS INC	949	309
143	10*19678	K	9-14-1.1	WILLIAM O. JOBES	944	188
144	10*19679	K	9-14-1.1	DAVID A DARRAH SR AND ANITA SLOUGH-DARRAH	946	54
145	10*19725	K	9-14-1.1	MAMIE V ARNOLD	944	454
146	10*21213	K	9-14-1.1	JAMES B SIBURT AND DELILA D SIBURT	957	177
147	10*21214	K	9-14-1.1	VICKI J CHERRY AND RICKEY E CHERRY	949	139
148	10*21215	K	9-14-1.1	ALAN K SIBURT ET UX	949	136
149	10*21216	K	9-14-1.1	RODNEY L SIBURT	949	142
150	10*21559	K	9-14-1.1	GUY L BUZZARD TRUSTEE THE GUY L BUZZARD 2017 IRREVOCABLE TRUST	957	388
151	10*22464	K	9-14-1.1	DONNA KYLE	964	470
152	10*22465	K	9-14-1.1	LOIS KURPIL FKA LOIS HERCULES	964	472
153	10*22466	K	9-14-1.1	JUDITH MAY CONNER	964	468
154	10*22516	K	9-14-1.1	SHARON RUSSELL	964	464
155	10*22518	K	9-14-1.1	GEORGE EDWARDS	964	466
156	10*22856	K	9-14-1.1	CHARLES W MILLER AND ESTHER JEAN MILLER	977	51
157	10*23435	K	9-14-1.1	LLOYD C. ARNOLD & JUDITH C. ARNOLD	1008	301
158	10*23087	L	9-14-12	REASON AND CATHERINE V YOUNG	68	69
159	10*19621	M	9-14-2	MARY RUTH FROHNAPFEL	938	595
160	10*19622	M	9-14-2	KENNETH D SIBURT JR AND LORI SIBURT	938	597
161	10*19623	M	9-14-2	SANDRA SIBURT FROWEN & GEORGE FROWEN	938	600
162	10*19627	M	9-14-2	RONALD S YOUNG	944	192
163	10*19655	M	9-14-2	CHESTNUT HOLDINGS INC	949	309
164	10*19678	M	9-14-2	WILLIAM O. JOBES	944	188
165	10*19679	M	9-14-2	DAVID A DARRAH SR AND ANITA SLOUGH-DARRAH	946	54
166	10*19725	M	9-14-2	MAMIE V ARNOLD	944	454
167	10*21213	M	9-14-2	JAMES B SIBURT AND DELILA D SIBURT	957	177
168	10*21214	M	9-14-2	VICKI J CHERRY AND RICKEY E CHERRY	949	139
169	10*21215	M	9-14-2	ALAN K SIBURT ET UX	949	136
170	10*21216	M	9-14-2	RODNEY L SIBURT	949	142
171	10*21559	M	9-14-2	GUY L BUZZARD TRUSTEE THE GUY L BUZZARD 2017 IRREVOCABLE TRUST	957	388
172	10*22464	M	9-14-2	DONNA KYLE	964	470
173	10*22465	M	9-14-2	LOIS KURPIL FKA LOIS HERCULES	964	472
174	10*22466	M	9-14-2	JUDITH MAY CONNER	964	468
175	10*22516	M	9-14-2	SHARON RUSSELL	964	464
176	10*22518	M	9-14-2	GEORGE EDWARDS	964	466
177	10*22856	M	9-14-2	CHARLES W MILLER AND ESTHER JEAN MILLER	977	51
178	10*23435	M	9-14-2	LLOYD C. ARNOLD & JUDITH C. ARNOLD	1008	301
179	10*19621	N	9-14-1	MARY RUTH FROHNAPFEL	938	595
180	10*19622	N	9-14-1	KENNETH D SIBURT JR AND LORI SIBURT	938	597
181	10*19623	N	9-14-1	SANDRA SIBURT FROWEN & GEORGE FROWEN	938	600
182	10*19627	N	9-14-1	RONALD S YOUNG	944	192
183	10*19655	N	9-14-1	CHESTNUT HOLDINGS INC	949	309
184	10*19678	N	9-14-1	WILLIAM O. JOBES	944	188
185	10*19679	N	9-14-1	DAVID A DARRAH SR AND ANITA SLOUGH-DARRAH	946	54
186	10*19725	N	9-14-1	MAMIE V ARNOLD	944	454
187	10*21213	N	9-14-1	JAMES B SIBURT AND DELILA D SIBURT	957	177
188	10*21214	N	9-14-1	VICKI J CHERRY AND RICKEY E CHERRY	949	139
189	10*21215	N	9-14-1	ALAN K SIBURT ET UX	949	136
190	10*21216	N	9-14-1	RODNEY L SIBURT	949	142
191	10*21559	N	9-14-1	GUY L BUZZARD TRUSTEE THE GUY L BUZZARD 2017 IRREVOCABLE TRUST	957	388
192	10*22464	N	9-14-1	DONNA KYLE	964	470
193	10*22465	N	9-14-1	LOIS KURPIL FKA LOIS HERCULES	964	472
194	10*22466	N	9-14-1	JUDITH MAY CONNER	964	468
195	10*22516	N	9-14-1	SHARON RUSSELL	964	464
196	10*22518	N	9-14-1	GEORGE EDWARDS	964	466
197	10*22856	N	9-14-1	CHARLES W MILLER AND ESTHER JEAN MILLER	977	51
198	10*23435	N	9-14-1	LLOYD C. ARNOLD & JUDITH C. ARNOLD	1008	301
199	10*15510	O	9-11-12	ELAINE PHELPS ET VIR	718	326

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



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849

C. Victor Moyers

COUNTY NAME
PERMIT

FILE NO. 8811P18HUAD.dwg
KEITH STERN S-18HU-REV1
DATE JUNE 11, 20 20
REVISED _____, 20 _____
OPERATORS WELL NO. KEITH STERN S-18HU
API WELL NO. 47 — 051 — 2243
STATE COUNTY 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 - 452.76 AC ±
WELL 18HU
TUG HILL OPERATING**



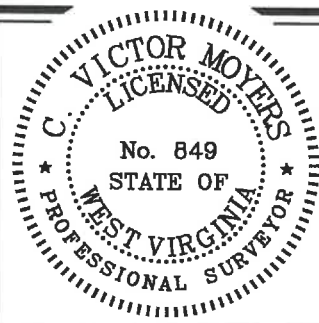
12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsw.com

200	10*15511	O	9-11-12	DAVID E CROW	718	376
201	10*15512	O	9-11-12	FRANCES COFFEY	718	378
202	10*15513	O	9-11-12	KAY KEYES	718	330
203	10*15514	O	9-11-12	L PAUL CROW	718	336
204	10*15515	O	9-11-12	DESIRE L CROW	718	334
205	10*15516	O	9-11-12	ROSE MARIE KIELGCZEWSKI	718	354
206	10*15517	O	9-11-12	DIANNE GELLNER & GARY GELLNER	718	345
207	10*15518	O	9-11-12	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	718	347
208	10*15519	O	9-11-12	JOHN CROW	726	580
209	10*15520	O	9-11-12	TIMOTHY CROW	726	582
210	10*19685	O	9-11-12	MORGAN H MOSSER AND NANCY MOSSER	944	445
211	10*21093	O	9-11-12	DUNCAN S LINN AND POLLY LU BROWN	952	157
212	10*21492	O	9-11-12	JUDITH FISK	957	282
213	10*21494	O	9-11-12	EILEEN M SLATE AND DALE A SLATE	957	284
214	10*21495	O	9-11-12	E JEN BAIRD AND GEORGE S BAIRD AMENDED REVOCABLE TRUST AGREEMENT	956	618
215	10*21843	O	9-11-12	JOHN B HOAGLAND AND PATRICIA A HOAGLAND	959	620
216	10*21923	O	9-11-12	DOROTHY JEAN BURKLE BOYD	953	468
217	10*22090	O	9-11-12	KATHERINE ANN BOYD BLAKE	953	473
218	10*22153	O	9-11-12	JODY A SCHOTTLE AND THOMAS A SCHOTTLE	953	470
219	10*22462	O	9-11-12	ROBERT CALDWELL MEAD	964	490
220	10*22508	O	9-11-12	SARAH BAIRD LINN	966	620
221	10*22666	O	9-11-12	JOSEPH W LINN JR AND TAMMY S LINN	968	230
222	10*22771	O	9-11-12	KATHARINE B SILBAUGH AND DANIEL JURAYJ	970	24
223	10*22855	O	9-11-12	KIM O MAGHAN AND JAMES G MAGHAN	977	49
224	10*23024	O	9-11-12	KATHRYN A TAGGART AND EVERETT TAGGART JR	977	289
225	10*23059	O	9-11-12	GAIL W STEWART	977	287
226	10*23165	O	9-11-12	EDITH BOYD ORR AND WENDELL FRANKLIN ORR	984	68
227	10*23389	O	9-11-12	LEESA O THOMPSON	972	45
228	10*23427	O	9-11-12	SANDY VINCENT AND STEVEN VINCENT	1008	307
229	10*23652	O	9-11-12	KATHARINE ATWOOD AND MICHAEL GRITTON	1009	291
230	10*23686	O	9-11-12	RANDALL T ULLOM AND ROSAUE FERMO-ULLOM	1010	400
231	10*23687	O	9-11-12	ELIZABETH F BAIRD	1010	402
232	10*23688	O	9-11-12	MELISSA DUBOIS BAIRD	1010	404
233	10*23692	O	9-11-12	WILLIAM ATWOOD AND ELIZABETH ATWOOD	1010	408
234	10*23693	O	9-11-12	JOHN ATWOOD AND ANNETTE ATWOOD	1010	406
235	10*24222	O	9-11-12	SALVATION ARMY	1022	371
236	10*24282	O	9-11-12	CLARA OSBORNE DOUGLAS	1023	481
237	10*24296	O	9-11-12	KATHARINE D LINN	1023	522
238	10*24400	O	9-11-12	JANE W VARDY ETAL	1024	317
239	10*47051.123.1	O	9-11-12	LLOYD G BAKER	865	389
240	10*47051.123.2	O	9-11-12	JAMES P HOLLIDAY AND JACQUELINE HOLLIDAY	873	143
241	10*16258	P	9-11-13	CHESTNUT HOLDINGS INC	848	234
242	10*15584	Q	9-11-5	VICKIE MASON	686	239
243	10*15585	Q	9-11-5	SHARON L WHETZAL	687	147
244	10*15586	Q	9-11-5	MARY A SOUTH	690	615
245	10*15587	Q	9-11-5	ROBERT L WHETZAL	690	559
246	10*15588	Q	9-11-5	RAY A WHETZAL JR	693	571
247	10*15589	Q	9-11-5	MARK L WHETZAL	693	576
248	10*47051.108.1	Q	9-11-5	MICHAEL A WHETZEL	885	51
249	10*47051.108.5	Q	9-11-5	BRENDA J WHETZEL	885	55
250	10*17135	R	9-17-1	ELLEN K NYLES	919	625
251	10*17136	R	9-17-1	DAVID P WARSINSKY	919	627
252	10*15910	S	9-17-2	SHIRLEY KOONTZ	701	303
253	10*15911	S	9-17-2	ROBERT W. GRAY	715	441
254	10*15912	S	9-17-2	DELORES I RICHTER	715	448
255	10*15913	S	9-17-2	LULA MCGUIRE	715	449
256	10*15914	S	9-17-2	JUDY CALLOWAY	715	450
257	10*15915	S	9-17-2	JUDY WARNER	715	451
258	10*15916	S	9-17-2	CHRISTI LYNN CLAYTON	715	452
259	10*15917	S	9-17-2	CINDY LOU SMITH	715	453
260	10*15918	S	9-17-2	ARTHUR EMORY	715	457
261	10*15919	S	9-17-2	CAROLYN SUE HENRY	715	454
262	10*15920	S	9-17-2	DENNIS KOTKE	715	458
263	10*17233	S	9-17-2	TIMOTHY MCDOWELL	713	355
264	10*17234	S	9-17-2	GAREN P. MCDOWELL	716	280
265	10*17235	S	9-17-2	WINONA RIDDLE	715	353
266	10*17236	S	9-17-2	TEXYNN L. MILLER	716	270
267	10*17237	S	9-17-2	JENNIFER WHEATON	715	610
268	10*17238	S	9-17-2	LISA ANN MCDOWELL	715	341
269	10*17239	S	9-17-2	ANITA RAE MILLER	715	336
270	10*17240	S	9-17-2	BONNIE GRISELL	715	331
271	10*17241	S	9-17-2	BARBARA K BURLEY	716	290
272	10*17242	S	9-17-2	GERALD L MILLER	716	285
273	10*17243	S	9-17-2	DAVID MCDOWELL	717	26
274	10*17244	S	9-17-2	KAREN CECIL	716	295
275	10*17245	S	9-17-2	CHAD E LONGFELLOW	833	218
276	10*17666	S	9-17-2	LULA FAYE BONAR SNODGRASS AND DONALD T SNODGRASS	949	172
277	10*17673	S	9-17-2	JAMES PERRY COCHRAN	932	567
278	10*17707	S	9-17-2	JACQUELYN S FERRARI AND JOHN C FERRARI	949	177
279	10*17709	S	9-17-2	CAROL GONGOLA	949	167
280	10*17981	S	9-17-2	MICHAEL E SWIFT AND MELODY A SWIFT	925	372
281	10*18099	S	9-17-2	RAE ELLEN FLOYD AND KENNETH FLOYD	927	233
282	10*18107	S	9-17-2	ANITA MAE MASON	927	238
283	10*18167	S	9-17-2	NEIL CALL AND MELINDA CALL	927	492
284	10*18168	S	9-17-2	SANDRA YANAGAWA	927	498
285	10*18169	S	9-17-2	KAREN K WILLIAMS	927	628
286	10*18192	S	9-17-2	STEPHEN S MASON AND CAROLE K MASON	928	625
287	10*18193	S	9-17-2	CAROLYN LEE FUREY AND MARTIN J FUREY	949	158
288	10*18194	S	9-17-2	PAMELA BEYLER AND CHAD R BEYLER	928	630
289	10*18198	S	9-17-2	MARY THERESA SOLEAU AND THOMAS SOLEAU	928	643
290	10*18199	S	9-17-2	LAWRENCE J VAUGHN AND GAIL L VAUGHN	928	532
291	10*18260	S	9-17-2	GEMMA RUDY AND TIMOTHY RUDY	928	584
292	10*18261	S	9-17-2	TIMOTHY MCDOWELL AND CYNTHIA MCDOWELL	928	553
293	10*18262	S	9-17-2	KAREN MCDOWELL CECIL AND JAMES E CECIL	928	556
294	10*18263	S	9-17-2	LISA ANN MCDOWELL AND ROBERT JOSEPH HILL	928	551
295	10*18264	S	9-17-2	DAVID MCDOWELL AND CRYSTAL MCDOWELL	928	549
296	10*18295	S	9-17-2	THOMAS R BAKER AND VICKIE L BAKER	929	262
297	10*18417	S	9-17-2	CHERYL L HILL	932	577
298	10*18487	S	9-17-2	NANCY L STANGEL AND JOHN J STANGEL	933	113
299	10*18488	S	9-17-2	CHARLINE M ENGLE AND KEVIN E ENGLE	933	118
300	10*18508	S	9-17-2	PATRICIA LUANNE BONAR	925	351

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WV Department of
Environmental Protection



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



P.S.
849

C. Victor Moyers

COUNTY NAME
PERMIT

FILE NO. 8811P18HUAD.dwg
KEITH STERN S-18HU-REV1
DATE JUNE 11, 20 20
REVISED , 20
OPERATORS WELL NO. KEITH STERN S-18HU
API WELL NO. 47 — 051 — 2243
STATE COUNTY 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 - 452.76 AC ±
WELL 18HU
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
slsvv.com

301	10*18517	S	9-17-2	LORI SHANAHAN AND PATRICK SHANAHAN	933	575
302	10*18619	S	9-17-2	LOIS ELAINE WICKHAM	934	617
303	10*18620	S	9-17-2	MICHAEL A WALKER	934	620
304	10*18621	S	9-17-2	MARK A WALKER	934	622
305	10*18622	S	9-17-2	CHAD A YOUNG	934	624
306	10*18623	S	9-17-2	NEIL ROBERT YOUNG	934	626
307	10*18624	S	9-17-2	CLARA SUE YOUNG	934	629
308	10*18655	S	9-17-2	PATRICIA L LEHN	936	95
309	10*18656	S	9-17-2	PAMELA CALL	936	100
310	10*18658	S	9-17-2	ELIZABETH JANE KELLER	936	107
311	10*18762	S	9-17-2	TRACY L BARNBY	938	481
312	10*19373	S	9-17-2	JESSICA WHEATON	931	411
313	10*19408	S	9-17-2	CAROLYN J YOUNG	940	149
314	10*19508	S	9-17-2	STONE HILL MINERALS HOLDINGS LLC	941	446
315	10*19532	S	9-17-2	CYNTHIA K KIRCHHOFF	942	637
316	10*19618	S	9-17-2	RONALD W YOUNG	937	371
317	10*19619	S	9-17-2	ERIC J YOUNG	937	377
318	10*19620	S	9-17-2	RONALD R YOUNG AND GERALDINE YOUNG	937	365
319	10*19624	S	9-17-2	JOHN T YINGLING	944	209
320	10*19668	S	9-17-2	MELISSA D FLETCHER & SCOTT A FLETCHER	938	326
321	10*19713	S	9-17-2	MARSHA BERISFORD	944	452
322	10*19879	S	9-17-2	MARY V GILSON AND WALTER M GILSON	945	588
323	10*19933	S	9-17-2	MARY ANN GRIFFITH	948	555
324	10*21226	S	9-17-2	PENNY YODER AND KEVIN LYNN YODER	951	605
325	10*21342	S	9-17-2	LELAND SINCLAIR YOUNG	946	52
326	10*21400	S	9-17-2	DENNIS REASBECK AND BARBARA REASBECK	956	645
327	10*21487	S	9-17-2	FLOYD D ANDERSON & CAROLYN SUE ANDERSON	957	294
328	10*21488	S	9-17-2	ALEXA B YOUNG	957	296
329	10*21517	S	9-17-2	SUSAN C YOUNG	949	201
330	10*21572	S	9-17-2	CARLA J SIMMS	957	452
331	10*21574	S	9-17-2	ALICE F WINLAND	957	404
332	10*21575	S	9-17-2	MICHAEL S OTT AND SYBIL OTT	957	449
333	10*21738	S	9-17-2	CRYSTAL DAWN YOUNG	957	409
334	10*21741	S	9-17-2	HOLLY A YOUNG	957	411
335	10*21749	S	9-17-2	GRANT D RICHARDS AND KERRI S RICHARDS	957	459
336	10*21842	S	9-17-2	JOSEPH NOKOVICH	959	635
337	10*21844	S	9-17-2	ROBERTA YOUNG	959	629
338	10*21927	S	9-17-2	BLACK GOLD GROUP LTD	954	474
339	10*21928	S	9-17-2	JOHN D COX AND CONNIE J COX	953	511
340	10*21940	S	9-17-2	ALYSIA JORDAN & TERRY M JORDAN	953	346
341	10*21967	S	9-17-2	ROGER G ALLEN AND DONNA KAY ALLEN	960	571
342	10*21970	S	9-17-2	CHRISTOPHER DAUGHERTY & JENNIFER R DAUGHERTY	960	578
343	10*21971	S	9-17-2	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	960	580
344	10*21975	S	9-17-2	RAYMOND A KUDERSKI AND KELLI J KUDERSKI	960	582
345	10*21984	S	9-17-2	SANFORD METZ	960	576
346	10*21986	S	9-17-2	RONALD D KOONTZ & BETH ANN KOONTZ	960	569
347	10*22052	S	9-17-2	RONALD R YOUNG	960	573
348	10*22088	S	9-17-2	BRANNEN DAUGHERTY	961	345
349	10*22147	S	9-17-2	LARRY R BONAR AND DEBRA L BONAR	957	406
350	10*22154	S	9-17-2	DONALD EUGENE ANDERSON	953	509
351	10*22589	S	9-17-2	BRYANT R SWIFT AND KATHY SWIFT	966	456
352	10*22600	S	9-17-2	AIDEN BOYD YOUNG JENNIFER A YOUNG, PETITIONER	966	462
353	10*22776	S	9-17-2	JAMES ROBERT WELLS	970	19
354	10*22849	S	9-17-2	NEIL MCELROY AND SUE MASON MCELROY	977	44
355	10*22851	S	9-17-2	JOHN J HELLSTERN AND LYNN D HELLSTERN	977	39
356	10*22853	S	9-17-2	RONALD LEE HENSLEY AND MARY ANN HENSLEY	977	34
357	10*23076	S	9-17-2	JACK R BERISFORD AKA RANDY BERISFORD	984	43
358	10*23260	S	9-17-2	IDA M TRAVIS ET AL DAVID C WHITE AS SPECIAL COMMISSIONER	988	73
359	10*23539	S	9-17-2	STONE HILL MINERALS HOLDINGS LLC	1010	224
360	10*23668	S	9-17-2	THE ESTATE OF RUTH N LUTHER SUZANNE L WOZNIAK EXECUTRIX	1009	286
361	10*15832	T	9-17-3	ANITA DIANE ANTILL AND TERRY ANTILL	742	121
362	10*15835	T	9-17-3	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	104
363	10*15847	T	9-17-3	ROGER BRIGHT AND SUSAN LEIMER - DECEASED	743	285
364	10*15848	T	9-17-3	HOMER L SIMMONS AND GLADYS R SIMMONS	745	194
365	10*15855	T	9-17-3	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	747	635
366	10*15856	T	9-17-3	LEO C HILKE AND BETTY M HILKE	747	629
367	10*15870	T	9-17-3	JOHN H HILKE AND ALIDA HILKE	750	206
368	10*15872	T	9-17-3	SUSAN H KEY	751	191
369	10*15836	U	9-17-4	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	79
370	10*15837	U	9-17-4	ANITA DIANE ANTILL AND TERRY ANTILL	742	85
371	10*15842	U	9-17-4	HOMER L SIMMONS AND GLADYS R SIMMONS	742	329
372	10*16007	U	9-17-4	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	799	436
373	10*16008	U	9-17-4	DONNA KAY ALLEN AND ROGER ALLEN	801	222
374	10*17169	U	9-17-4	ALMA L VAN SCYOC	692	404
375	10*17171	U	9-17-4	OPAL MCKEY	690	631
376	10*17173	U	9-17-4	LLOYD R. EVANS	694	526
377	10*17900	U	9-17-4	TRACY L AND KEITH W BARNBY	916	116
378	10*17666	U	9-17-4	LULA FAYE BONAR SNODGRASS AND DONALD T SNODGRASS	949	172
379	10*17673	U	9-17-4	JAMES PERRY COCHRAN	932	567
380	10*17707	U	9-17-4	JACQUELYN S FERRARI AND JOHN C FERRARI	949	177
381	10*17709	U	9-17-4	CAROL GONGOLA	949	167
382	10*17765	U	9-17-4	ROBERTA YOUNG	949	163
383	10*17840	U	9-17-4	RONALD D KOONTZ & BETH ANN KOONTZ	942	432
384	10*17886	U	9-17-4	ANNETTE CAIN HANKINS AND HOWARD RONALD HANKINS	924	536
385	10*17887	U	9-17-4	LEO C HILKE AND BETTY M HILKE	924	531
386	10*17977	U	9-17-4	BRANNEN DAUGHERTY	925	359
387	10*17980	U	9-17-4	ANITA RAE MILLER	925	370
388	10*17981	U	9-17-4	MICHAEL E SWIFT AND MELODY A SWIFT	925	372
389	10*18031	U	9-17-4	LEE ANNE MILLER	927	222
390	10*18092	U	9-17-4	DAVID MCDOWELL AND CRYSTAL MCDOWELL	927	283
391	10*18093	U	9-17-4	JENNIFER WHEATON	927	289
392	10*18094	U	9-17-4	BONNIE GRISELL	927	231
393	10*18095	U	9-17-4	TEXYN L MILLER AND GEORGIA A MILLER	927	287
394	10*18098	U	9-17-4	USA ANN MCDOWELL AND ROBERT JOSEPH HILL	938	263
395	10*18099	U	9-17-4	RAE ELLEN FLOYD AND KENNETH FLOYD	927	233
396	10*18107	U	9-17-4	ANITA MAE MASON	927	238
397	10*18167	U	9-17-4	NEIL CALL AND MELINDA CALL	927	492
398	10*18168	U	9-17-4	SANDRA YANAGAWA	927	498
399	10*18169	U	9-17-4	KAREN K WILLIAMS	927	628
400	10*18170	U	9-17-4	KAREN MCDOWELL CECIL AND JAMES E CECIL	927	633
401	10*18192	U	9-17-4	STEPHEN S MASON AND CAROLE K MASON	928	625

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WV Department of
Environmental Protection

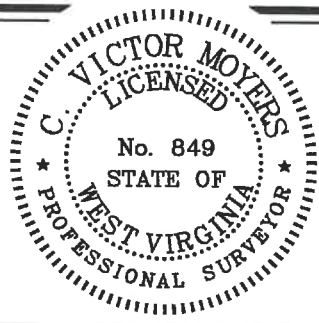
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DATE JUNE 11, 2020

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10/27/2022

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slswv.com

402	10*18193	U	9-17-4	CAROLYN LEE FUREY AND MARTIN J FUREY	949	158
403	10*18194	U	9-17-4	PAMELA BEYLER AND CHAD R BEYLER	928	630
404	10*18197	U	9-17-4	BARBARA K BURLEY AND DAVID K BURLEY	928	641
405	10*18198	U	9-17-4	MARY THERESA SOLEAU AND THOMAS SOLEAU	928	643
406	10*18199	U	9-17-4	LAWRENCE J VAUGHN AND GAIL L VAUGHN	928	532
407	10*18260	U	9-17-4	GEMMA RUDY AND TIMOTHY RUDY	928	584
408	10*18295	U	9-17-4	THOMAS R BAKER AND VICKIE L BAKER	929	262
409	10*18298	U	9-17-4	MAUREEN GREGG	929	273
410	10*18300	U	9-17-4	ROBERT W ODOM AND CASSANDRA L ODOM	929	283
411	10*18361	U	9-17-4	MARY JO CAIN	931	407
412	10*18417	U	9-17-4	CHERYL L HILL	932	577
413	10*18487	U	9-17-4	NANCY L STANGEL AND JOHN J STANGEL	933	113
414	10*18488	U	9-17-4	CHARLINE M ENGLE AND KEVIN E ENGLE	933	118
415	10*18508	U	9-17-4	PATRICIA LUANNE BONAR	925	351
416	10*18517	U	9-17-4	LORI SHANAHAN AND PATRICK SHANAHAN	933	575
417	10*18513	U	9-17-4	JANE LOUISE CAIN AND DANIEL CARL HOLTZ	934	603
418	10*18655	U	9-17-4	PATRICIA L LEHN	936	95
419	10*18656	U	9-17-4	PAMELA CALL	936	100
420	10*18658	U	9-17-4	ELIZABETH JANE KELLER	936	107
421	10*18659	U	9-17-4	CATHERINE P MASON	936	112
422	10*18799	U	9-17-4	CHARLES J DARMAFALL DECEASED	937	684
423	10*18805	U	9-17-4	CINDY STEVENS TOZIER	937	628
424	10*19373	U	9-17-4	JESSICA WHEATON	931	411
425	10*19403	U	9-17-4	LAWRENCE R LOTZ	951	114
426	10*19404	U	9-17-4	HOWARD M CAIN AND EMMA JEAN CAIN	939	283
427	10*19476	U	9-17-4	WINONA RIDDLE	941	331
428	10*19689	U	9-17-4	EDMOND TURGEON JR AND CATHY STEVENS TURGEON	944	156
429	10*19702	U	9-17-4	WV MINERALS INC	951	108
430	10*19718	U	9-17-4	CHRISTOPHER DAUGHERTY & JENNIFER R DAUGHERTY	944	412
431	10*19879	U	9-17-4	MARY Y GILSON AND WALTER M GILSON	945	588
432	10*19933	U	9-17-4	MARY ANN GRIFFITH	948	555
433	10*19937	U	9-17-4	JAMES D STEVENS AND DOROTHY M STEVENS	949	151
434	10*19938	U	9-17-4	JOHN H STEVENS AND LYNDA L STEVENS	949	144
435	10*21026	U	9-17-4	NANCY M MORGAN	951	110
436	10*21211	U	9-17-4	NILA JEAN BAYLES	951	118
437	10*21641	U	9-17-4	ENERGY DEEP RESOURCES INC	959	631
438	10*21842	U	9-17-4	JOSEPH NOKOVICH	959	635
439	10*21927	U	9-17-4	BLACK GOLD GROUP LTD	964	474
440	10*21940	U	9-17-4	ALYSSIA JORDAN & TERRY M JORDAN	953	346
441	10*22376	U	9-17-4	MARGARET KUCHARZ AND JAMES C KUCHARZ	962	270
442	10*22412	U	9-17-4	CHAD E LONGFELLOW	963	124
443	10*22599	U	9-17-4	BRYANT R SWIFT AND KATHY SWIFT	966	456
444	10*22776	U	9-17-4	JAMES ROBERT WELLS	970	19
445	10*22849	U	9-17-4	NEIL MCELROY AND SUE MASON MCELROY	977	44
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450	10*23668	U	9-17-4	THE ESTATE OF RUTH N LUTHER SUZANNE L WOZNIAK EXECUTRIX	1009	286
451	10*47051.219.1	U	9-17-4	DAVID LEE FRANKLIN	874	312
452	10*47051.219.27	U	9-17-4	MARSHA BERISFORD	902	425
453	10*47051.219.33	U	9-17-4	JOHN H HILKE AND ALIDA HILKE	898	602
454	10*47051.219.36	U	9-17-4	GAREN MCDOWELL AND ELIZABETH MCDOWELL	898	615
455	10*47051.219.37	U	9-17-4	SUSAN H KEY	898	621
456	10*47051.219.38	U	9-17-4	TIMOTHY MCDOWELL AND CYNTHIA MCDOWELL	902	431
457	10*47051.219.39	U	9-17-4	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	902	437
458	10*15836	V	9-17-4.3	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	79
459	10*15837	V	9-17-4.3	ANITA DIANE ANTILL AND TERRY ANTILL	742	85
460	10*15842	V	9-17-4.3	HOMER L SIMMONS AND GLADYS R SIMMONS	742	329
461	10*16007	V	9-17-4.3	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	799	436
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464	10*17171	V	9-17-4.3	OPAL MICKY	690	631
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467	10*17666	V	9-17-4.3	ULA FAYE BONAR SNODGRASS AND DONALD T SNODGRASS	949	172
468	10*17673	V	9-17-4.3	JAMES PERRY COCHRAN	932	567
469	10*17707	V	9-17-4.3	JACQUELYN S FERRARI AND JOHN C FERRARI	949	177
470	10*17709	V	9-17-4.3	CAROL GONGOLA	949	167
471	10*17765	V	9-17-4.3	ROBERTA YOUNG	949	163
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473	10*17886	V	9-17-4.3	ANNETTE CAIN HANKINS AND HOWARD RONALD HANKINS	924	536
474	10*17887	V	9-17-4.3	LEO C HILKE AND BETTY M HILKE	924	531
475	10*17977	V	9-17-4.3	BRANNEN DAUGHERTY	925	359
476	10*17980	V	9-17-4.3	ANITA RAE MILLER	925	370
477	10*17981	V	9-17-4.3	MICHAEL E SWIFT AND MELODY A SWIFT	925	372
478	10*18031	V	9-17-4.3	LEE ANNE MILLER	927	222
479	10*18092	V	9-17-4.3	DAVID MCDOWELL AND CRYSTAL MCDOWELL	927	283
480	10*18093	V	9-17-4.3	JENNIFER WHEATON	927	289
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482	10*18095	V	9-17-4.3	TEXYN L MILLER AND GEORGIA A MILLER	927	287
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484	10*18099	V	9-17-4.3	RAE ELLEN FLOYD AND KENNETH FLOYD	927	233
485	10*18107	V	9-17-4.3	ANITA MAE MASON	927	238
486	10*18167	V	9-17-4.3	NEIL CALL AND MELINDA CALL	927	492
487	10*18168	V	9-17-4.3	SANDRA YANAGAWA	927	498
488	10*18169	V	9-17-4.3	KAREN K WILLIAMS	927	628
489	10*18170	V	9-17-4.3	KAREN MCDOWELL CECIL AND JAMES E CECIL	927	633
490	10*18192	V	9-17-4.3	STEPHEN S MASON AND CAROLE K MASON	928	625
491	10*18193	V	9-17-4.3	CAROLYN LEE FUREY AND MARTIN J FUREY	949	158
492	10*18194	V	9-17-4.3	PAMELA BEYLER AND CHAD R BEYLER	928	630
493	10*18197	V	9-17-4.3	BARBARA K BURLEY AND DAVID K BURLEY	928	641
494	10*18198	V	9-17-4.3	MARY THERESA SOLEAU AND THOMAS SOLEAU	928	643
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500	10*18361	V	9-17-4.3	MARY JO CAIN	931	407
501	10*18417	V	9-17-4.3	CHERYL L HILL	932	577
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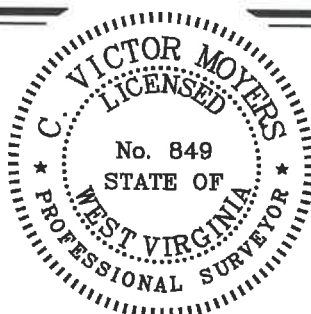
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503	10*18488	V	9-17-4.3	CHARLINE MENGLE AND KEVIN E ENGLE	993	118
504	10*18508	V	9-17-4.3	PATRICIA LUANNE BONAR	925	351
505	10*18517	V	9-17-4.3	LORI SHANAHAN AND PATRICK SHANAHAN	933	575
506	10*18613	V	9-17-4.3	JANE LOUISE CAIN AND DANIEL CARL HOLTZ	934	603
507	10*18655	V	9-17-4.3	PATRICIA L LEHN	936	95
508	10*18656	V	9-17-4.3	PAMELA CALL	936	100
509	10*18658	V	9-17-4.3	ELIZABETH JANE KELLER	936	107
510	10*18659	V	9-17-4.3	CATHERINE P MASON	936	112
511	10*18799	V	9-17-4.3	CHARLES J DARMAFALL DECEASED	937	634
512	10*18805	V	9-17-4.3	CINDY STEVENS TOZIER	937	628
513	10*19373	V	9-17-4.3	JESSICA WHEATON	931	411
514	10*19403	V	9-17-4.3	LAWRENCE R LOTZ	951	114
515	10*19404	V	9-17-4.3	HOWARD M CAIN AND EMMA JEAN CAIN	939	283
516	10*19476	V	9-17-4.3	WINONA RIDDLE	941	331
517	10*19689	V	9-17-4.3	EDMOND TURGEON JR AND CATHY STEVENS TURGEON	944	156
518	10*19702	V	9-17-4.3	WV MINERALS INC	951	108
519	10*19718	V	9-17-4.3	CHRISTOPHER DAUGHERTY & JENNIFER R DAUGHERTY	944	412
520	10*19879	V	9-17-4.3	MARY V GILSON AND WALTER M GILSON	945	588
521	10*19933	V	9-17-4.3	MARY ANN GRIFFITH	948	555
522	10*19987	V	9-17-4.3	JAMES D STEVENS AND DOROTHY M STEVENS	949	151
523	10*19988	V	9-17-4.3	JOHN H STEVENS AND LYNDA L STEVENS	949	144
524	10*21026	V	9-17-4.3	NANCY M MORGAN	951	110
525	10*21211	V	9-17-4.3	NILA JEAN BAYLES	951	118
526	10*21841	V	9-17-4.3	ENERGY DEEP RESOURCES INC	959	631
527	10*21842	V	9-17-4.3	JOSEPH NOKOVICH	959	635
528	10*21927	V	9-17-4.3	BLACK GOLD GROUP LTD	964	474
529	10*21940	V	9-17-4.3	ALYSIA JORDAN & TERRY M JORDAN	953	346
530	10*22376	V	9-17-4.3	MARGARET KUCHARZ AND JAMES C KUCHARZ	962	270
531	10*22412	V	9-17-4.3	CHAD E LONGFELLOW	963	124
532	10*22599	V	9-17-4.3	BRYAN R SWIFT AND KATHY SWIFT	966	456
533	10*22776	V	9-17-4.3	JAMES ROBERT WELLS	970	19
534	10*22849	V	9-17-4.3	NEIL MCELROY AND SUE MASON MCELROY	977	44
535	10*22851	V	9-17-4.3	JOHN J HELLSTERN AND LYNN D HELLSTERN	977	39
536	10*22853	V	9-17-4.3	RONALD LEE HENSLEY AND MARY ANN HENSLEY	977	34
537	10*23076	V	9-17-4.3	JACK R BERISFORD AKA RANDY BERISFORD	984	43
538	10*23260	V	9-17-4.3	IDA M TRAVIS ET AL DAVID C WHITE AS SPECIAL COMMISSIONER	988	73
539	10*23668	V	9-17-4.3	THE ESTATE OF RUTH N LUTHER SUZANNE L WOZNIAK EXECUTRIX	1009	286
540	10*47051.219.1	V	9-17-4.3	DAVID LEE FRANKLIN	874	312
541	10*47051.219.27	V	9-17-4.3	MARSHA BERISFORD	902	425
542	10*47051.219.33	V	9-17-4.3	JOHN H HILKE AND ALDA HILKE	898	602
543	10*47051.219.36	V	9-17-4.3	GAREN MCDOWELL AND ELIZABETH MCDOWELL	898	615
544	10*47051.219.37	V	9-17-4.3	SUSAN H KEY	898	621
545	10*47051.219.38	V	9-17-4.3	TIMOTHY MCDOWELL AND CYNTHIA MCDOWELL	902	431
546	10*47051.219.39	V	9-17-4.3	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	902	437
547	10*15836	W	9-17-4.2	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	79
548	10*15837	W	9-17-4.2	ANITA DIANE ANTILL AND TERRY ANTILL	742	85
549	10*15842	W	9-17-4.2	HOMER L SIMMONS AND GLADYS R SIMMONS	742	329
550	10*16007	W	9-17-4.2	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	799	436
551	10*16008	W	9-17-4.2	DONNA KAY ALLEN AND ROGER ALLEN	801	222
552	10*17169	W	9-17-4.2	ALMA L VAN SCYOC	692	404
553	10*17171	W	9-17-4.2	OPAL MICKY	690	631
554	10*17173	W	9-17-4.2	LLOYD R. EVANS	694	526
555	10*17500	W	9-17-4.2	TRACY L AND KEITH W BARNBY	916	116
556	10*17666	W	9-17-4.2	LILA FAYE BONAR SNODGRASS AND DONALD T SNODGRASS	949	172
557	10*17673	W	9-17-4.2	JAMES PERRY COCHRAN	932	567
558	10*17707	W	9-17-4.2	JACQUELYN S FERRARI AND JOHN C FERRARI	949	177
559	10*17709	W	9-17-4.2	CAROL GONGOLA	949	167
560	10*17765	W	9-17-4.2	ROBERTA YOUNG	949	163
561	10*17840	W	9-17-4.2	RONALD D KOONTZ & BETH ANN KOONTZ	942	432
562	10*17886	W	9-17-4.2	ANNETTE CAIN HANKINS AND HOWARD RONALD HANKINS	924	536
563	10*17887	W	9-17-4.2	LEO C HILKE AND BETTY M HILKE	924	531
564	10*17977	W	9-17-4.2	BRANNEN DAUGHERTY	925	359
565	10*17980	W	9-17-4.2	ANITA RAE MILLER	925	370
566	10*17981	W	9-17-4.2	MICHAEL E SWIFT AND MELODY A SWIFT	925	372
567	10*18031	W	9-17-4.2	LEE ANNE MILLER	927	222
568	10*18092	W	9-17-4.2	DAVID MCDOWELL AND CRYSTAL MCDOWELL	927	283
569	10*18093	W	9-17-4.2	JENNIFER WHEATON	927	289
570	10*18094	W	9-17-4.2	BONNIE GRISELL	927	231
571	10*18095	W	9-17-4.2	TEXYN L MILLER AND GEORGIA A MILLER	927	287
572	10*18096	W	9-17-4.2	LISA ANN MCDOWELL AND ROBERT JOSEPH HILL	939	263
573	10*18099	W	9-17-4.2	RAE ELLEN FLOYD AND KENNETH FLOYD	927	233
574	10*18107	W	9-17-4.2	ANITA MAE MASON	927	238
575	10*18167	W	9-17-4.2	NEIL CALL AND MELJUNDA CALL	927	492
576	10*18168	W	9-17-4.2	SANDRA YANAGAWA	927	498
577	10*18169	W	9-17-4.2	KAREN K WILLIAMS	927	628
578	10*18170	W	9-17-4.2	KAREN MCDOWELL CECIL AND JAMES E CECIL	927	633
579	10*18192	W	9-17-4.2	STEPHEN S MASON AND CAROLE K MASON	928	625
580	10*18193	W	9-17-4.2	CAROLYN LEE FUREY AND MARTIN J FUREY	949	158
581	10*18194	W	9-17-4.2	PAMELA BEYLER AND CHAD R BEYLER	928	630
582	10*18197	W	9-17-4.2	BARBARA K BURLEY AND DAVID K BURLEY	928	641
583	10*18198	W	9-17-4.2	MARY THERESA SOLEAU AND THOMAS SOLEAU	928	643
584	10*18199	W	9-17-4.2	LAWRENCE J VAUGHN AND GAIL L VAUGHN	928	532
585	10*18260	W	9-17-4.2	GEMMA RUDY AND TIMOTHY RUDY	928	584
586	10*18295	W	9-17-4.2	THOMAS R BAKER AND VICKIE L BAKER	929	262
587	10*18298	W	9-17-4.2	MAUREEN GREGG	929	273
588	10*18300	W	9-17-4.2	ROBERT W ODOM AND CASSANDRA L ODOM	929	283
589	10*18361	W	9-17-4.2	MARY JO CAIN	931	407
590	10*18417	W	9-17-4.2	CHERYLL HILL	932	577
591	10*18487	W	9-17-4.2	NANCY L STANGEL AND JOHN J STANGEL	933	113
592	10*18488	W	9-17-4.2	CHARLINE MENGLE AND KEVIN E ENGLE	933	118
593	10*18508	W	9-17-4.2	PATRICIA LUANNE BONAR	925	351
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595	10*18613	W	9-17-4.2	JANE LOUISE CAIN AND DANIEL CARL HOLTZ	934	603
596	10*18655	W	9-17-4.2	PATRICIA L LEHN	936	95
597	10*18656	W	9-17-4.2	PAMELA CALL	936	100
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599	10*18659	W	9-17-4.2	CATHERINE P MASON	936	112
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602	10*19373	W	9-17-4.2	JESSICA WHEATON	931	411
603	10*19403	W	9-17-4.2	LAWRENCE R LOTZ	951	114

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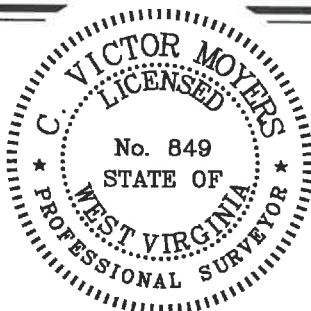
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KEITH STERN S-18HU-REV1

DATE JUNE 11, 20 20

REVISED _____, 20 _____

OPERATORS WELL NO. KEITH STERN S-18HU

API WELL NO. 47 — 051 — 2243
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*

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

**KEITH STERN N LEASE
UTICA UNIT - 452.76 AC±
WELL 18HU
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
slsvv.com

604	10*19404	W	9-17-4.2	HOWARD M CAIN AND EMMA JEAN CAIN	939	283
605	10*19476	W	9-17-4.2	WINONA RIDDLE	941	331
606	10*19689	W	9-17-4.2	EDMOND TURGEON JR AND CATHY STEVENS TURGEON	944	156
607	10*19702	W	9-17-4.2	WV MINERALS INC	951	108
608	10*19718	W	9-17-4.2	CHRISTOPHER DAUGHERTY & JENNIFER R DAUGHERTY	944	412
609	10*19879	W	9-17-4.2	MARY V GILSON AND WALTER M GILSON	945	588
610	10*19933	W	9-17-4.2	MARY ANN GRIFFITH	948	555
611	10*19937	W	9-17-4.2	JAMES D STEVENS AND DOROTHY M STEVENS	949	151
612	10*19938	W	9-17-4.2	JOHN H STEVENS AND LYNDA L STEVENS	949	144
613	10*21026	W	9-17-4.2	NANCY M MORGAN	951	110
614	10*21211	W	9-17-4.2	NILA JEAN BAYLES	951	118
615	10*21841	W	9-17-4.2	ENERGY DEEP RESOURCES INC	959	631
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622	10*22776	W	9-17-4.2	JAMES ROBERT WELLS	970	19
623	10*22849	W	9-17-4.2	NEL MCELROY AND SUE MASON MCELROY	977	44
624	10*22851	W	9-17-4.2	JOHN J HELLSTERN AND LYNN D HELLSTERN	977	39
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626	10*23076	W	9-17-4.2	JACK R BERISFORD AKA RANDY BERISFORD	984	43
627	10*23260	W	9-17-4.2	IDA M TRAVIS ET AL DAVID C WHITE AS SPECIAL COMMISSIONER	988	73
628	10*23668	W	9-17-4.2	THE ESTATE OF RUTH N LUTHER SUZANNE L WOZNIAK EXECUTRIX	1009	286
629	10*47051.219.1	W	9-17-4.2	DAVID LEE FRANKLIN	874	312
630	10*47051.219.27	W	9-17-4.2	MARSHA BERISFORD	902	425
631	10*47051.219.33	W	9-17-4.2	JOHN H HILKE AND ALIDA HILKE	898	602
632	10*47051.219.36	W	9-17-4.2	GAREN MCDOWELL AND EUZABETH MCDOWELL	898	615
633	10*47051.219.37	W	9-17-4.2	SUSAN H KEY	898	621
634	10*47051.219.38	W	9-17-4.2	TIMOTHY MCDOWELL AND CYNTHIA MCDOWELL	902	431
635	10*47051.219.39	W	9-17-4.2	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	902	437
636	10*15836	X	9-17-5	LUCINDA RAE ALLEN AND DAVID A ALLEN	742	79
637	10*15837	X	9-17-5	ANITA DIANE ANTILL AND TERRY ANTILL	742	85
638	10*15842	X	9-17-5	HOMER L SIMMONS AND GLADYS R SIMMONS	742	329
639	10*16007	X	9-17-5	MARY LOU KITTELBERGER AND FREDERICK W KITTELBERGER	799	436
640	10*17169	X	9-17-5	ALMA L VAN SCYOC	692	404
641	10*17171	X	9-17-5	OPAL MICKLEY	690	631
642	10*17173	X	9-17-5	LLOYD R. EVANS	694	526
643	10*17500	X	9-17-5	TRACY L AND KEITH W BARNBY	916	116
644	10*17666	X	9-17-5	ULA FAYE BONAR SNODGRASS AND DONALD T SNODGRASS	949	172
645	10*17673	X	9-17-5	JAMES PERRY COCHRAN	932	567
646	10*17707	X	9-17-5	JACQUELYN S FERRARI AND JOHN C FERRARI	949	177
647	10*17709	X	9-17-5	CAROL GONGOLA	949	167
648	10*17765	X	9-17-5	ROBERTA YOUNG	949	163
649	10*17840	X	9-17-5	RONALD D KOONTZ & BETH ANN KOONTZ	942	432
650	10*17886	X	9-17-5	ANNETTE CAIN HANKINS AND HOWARD RONALD HANKINS	924	536
651	10*17887	X	9-17-5	LEO C HILKE AND BETTY M HILKE	924	531
652	10*17977	X	9-17-5	BRANNEN DAUGHERTY	925	359
653	10*17980	X	9-17-5	ANITA RAE MILLER	925	370
654	10*17981	X	9-17-5	MICHAEL E SWIFT AND MELODY A SWIFT	925	372
655	10*18019	X	9-17-5	SUSAN H KEY	927	272
656	10*18020	X	9-17-5	ALICE THIPPHAVONG AND VISITH THIPPHAVONG	927	270
657	10*18031	X	9-17-5	LEE ANNE MILLER	927	222
658	10*18092	X	9-17-5	DAVID MCDOWELL AND CRYSTAL MCDOWELL	927	283
659	10*18093	X	9-17-5	JENNIFER WHEATON	927	289
660	10*18094	X	9-17-5	BONNIE GRISEL	927	231
661	10*18095	X	9-17-5	TEXYN L MILLER AND GEORGIA A MILLER	927	287
662	10*18098	X	9-17-5	USA ANN MCDOWELL AND ROBERT JOSEPH HILL	939	263
663	10*18099	X	9-17-5	RAE ELLEN FLOYD AND KENNETH FLOYD	927	233
664	10*18107	X	9-17-5	ANITA MAE MASON	927	238
665	10*18113	X	9-17-5	JOHN H HILKE	927	159
666	10*18167	X	9-17-5	NEIL CALL AND MELINDA CALL	927	492
667	10*18168	X	9-17-5	SANDRA YANAGAWA	927	498
668	10*18169	X	9-17-5	KAREN K WILLIAMS	927	628
669	10*18170	X	9-17-5	KAREN MCDOWELL CECIL AND JAMES E CECIL	927	633
670	10*18192	X	9-17-5	STEPHEN S MASON AND CAROL K MASON	928	625
671	10*18193	X	9-17-5	CAROLYN LEE FUREY AND MARTIN J FUREY	949	158
672	10*18194	X	9-17-5	PAMELA BEYLER AND CHAD R BEYLER	928	630
673	10*18197	X	9-17-5	BARBARA K BURLEY AND DAVID K BURLEY	928	641
674	10*18198	X	9-17-5	MARY THERESA SOLEAU AND THOMAS SOLEAU	928	643
675	10*18199	X	9-17-5	LAWRENCE J VAUGHN AND GAIL L VAUGHN	928	532
676	10*18260	X	9-17-5	GEMMA RUDY AND TIMOTHY RUDY	928	584
677	10*18295	X	9-17-5	THOMAS R BAKER AND VICKIE L BAKER	929	262
678	10*18298	X	9-17-5	MAUREEN GREGG	929	273
679	10*18300	X	9-17-5	ROBERT W ODOM AND CASSANDRA L ODOM	929	283
680	10*18361	X	9-17-5	MARY JO CAIN	931	407
681	10*18417	X	9-17-5	CHERYL L HILL	932	577
682	10*18487	X	9-17-5	NANCY L STANGEL AND JOHN J STANGEL	933	113
683	10*18488	X	9-17-5	CHARLINE M ENGLE AND KEVIN E ENGLE	933	118
684	10*18508	X	9-17-5	PATRICIA LUANNE BONAR	925	351
685	10*18517	X	9-17-5	LORI SHANAHAN AND PATRICK SHANAHAN	933	575
686	10*18613	X	9-17-5	JANE LOUISE CAIN AND DANIEL CARL HOLTZ	934	603
687	10*18655	X	9-17-5	PATRICIA L LEHN	936	95
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698	10*19702	X	9-17-5	WV MINERALS INC	951	108
699	10*19718	X	9-17-5	CHRISTOPHER DAUGHERTY & JENNIFER R DAUGHERTY	944	412
700	10*19879	X	9-17-5	MARY V GILSON AND WALTER M GILSON	945	588
701	10*19933	X	9-17-5	MARY ANN GRIFFITH	948	555
702	10*19937	X	9-17-5	JAMES D STEVENS AND DOROTHY M STEVENS	949	151
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704	10*21026	X	9-17-5	NANCY M MORGAN	951	110

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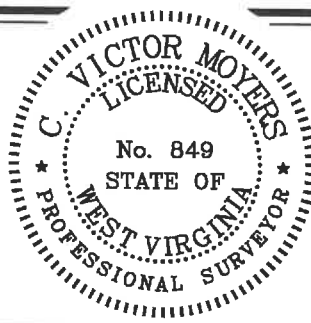
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KEITH STERN S-18HU-REV1

DATE JUNE 11, 20 20

REVISED _____, 20 _____

OPERATORS WELL NO. KEITH STERN S-18HU

API WELL NO. 47 — 051 — 2243
STATE COUNTY PERMIT



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

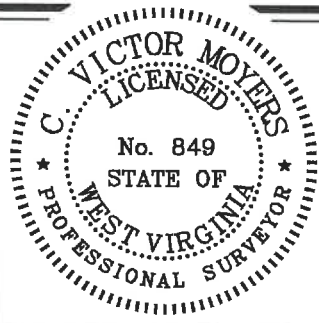
**KEITH STERN N LEASE
UTICA UNIT - 452.76 AC±
WELL 18HU
TUG HILL OPERATING**



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
slnw.com

705	10*21211	X	9-17-5	NILA JEAN BAYLES	951	118
706	10*21841	X	9-17-5	ENERGY DEEP RESOURCES INC	959	631
707	10*21842	X	9-17-5	JOSEPH NOKOVICH	959	635
708	10*21927	X	9-17-5	BLACK GOLD GROUP LTD	964	474
709	10*21940	X	9-17-5	ALYSIA JORDAN & TERRY M JORDAN	963	346
710	10*22376	X	9-17-5	MARGARET KUCHARZ AND JAMES C KUCHARZ	962	270
711	10*22412	X	9-17-5	CHAD E LONGFELLOW	963	124
712	10*22599	X	9-17-5	BRYANT R SWIFT AND KATHY SWIFT	966	456
713	10*22776	X	9-17-5	JAMES ROBERT WELLS	970	19
714	10*22849	X	9-17-5	NEIL MCELROY AND SUE MASON MCELROY	977	44
715	10*22851	X	9-17-5	JOHN J HELSTERN AND LYNN D HELSTERN	977	39
716	10*22853	X	9-17-5	RONALD LEE HENSLEY AND MARY ANN HENSLEY	977	34
717	10*23076	X	9-17-5	JACK R BERISFORD AKA RANDY BERISFORD	984	43
718	10*23260	X	9-17-5	IDA M TRAVIS ET AL DAVID C WHITE AS SPECIAL COMMISSIONER	988	73
719	10*23668	X	9-17-5	THE ESTATE OF RUTH N LUTHER SUZANNE L WOZNIAK EXECUTRIX	1009	286
720	10*47051.219.1	X	9-17-5	DAVID LEE FRANKLIN	874	312
721	10*47051.219.27	X	9-17-5	MARSHA BERISFORD	902	425
722	10*47051.219.36	X	9-17-5	GAREN MCDOWELL AND ELIZABETH MCDOWELL	888	615
723	10*47051.185.1	Y	9-17-39	HOMER L SIMMONS AND GLADYS R SIMMONS	885	68
724	10*47051.185.2	Y	9-17-39	LUCINDA RAE ALLEN AND DAVID A ALLEN	894	482
725	10*47051.185.3	Y	9-17-39	ANITA DIANE ANTILL AND TERRY ANTILL	885	71
726	10*47051.185.1	Z	9-17-38	HOMER L SIMMONS AND GLADYS R SIMMONS	885	68
727	10*47051.185.2	Z	9-17-38	LUCINDA RAE ALLEN AND DAVID A ALLEN	894	482
728	10*47051.185.3	Z	9-17-38	ANITA DIANE ANTILL AND TERRY ANTILL	885	71
729	10*47051.185.1	AA	9-17-38.1	HOMER L SIMMONS AND GLADYS R SIMMONS	885	68
730	10*47051.185.2	AA	9-17-38.1	LUCINDA RAE ALLEN AND DAVID A ALLEN	894	482
731	10*47051.185.3	AA	9-17-38.1	ANITA DIANE ANTILL AND TERRY ANTILL	885	71
732	10*18610	BB	9-19-2	NEIL ROBERT YOUNG	934	636
733	10*18614	BB	9-19-2	MICHAEL A WALKER	934	607
734	10*18615	BB	9-19-2	MARK A WALKER	934	609
735	10*18616	BB	9-19-2	CHAD A YOUNG	934	611
736	10*18625	BB	9-19-2	LOIS ELAINE WICKHAM	934	632
737	10*18626	BB	9-19-2	CLARA SUE YOUNG	934	634
738	10*19409	BB	9-19-2	CAROLYN J YOUNG	939	291
739	10*19667	BB	9-19-2	ERIC J YOUNG	937	375
740	10*19669	BB	9-19-2	RONALD W YOUNG	937	373
741	10*19670	BB	9-19-2	RONALD R YOUNG AND GERALDINE YOUNG	937	368
742	10*19671	BB	9-19-2	MELISSA D FLETCHER & SCOTT A FLETCHER	938	316
743	10*21343	BB	9-19-2	LELAND SINCLAIR YOUNG	945	649
744	10*21489	BB	9-19-2	ALEXA B YOUNG	957	299
745	10*21518	BB	9-19-2	SUSAN C YOUNG	949	203
746	10*21568	BB	9-19-2	LARRY R BONAR AND DEBRA L BONAR	957	399
747	10*21573	BB	9-19-2	CARLA J SIMMS	957	397
748	10*21576	BB	9-19-2	AUCE F WINLAND	957	395
749	10*21577	BB	9-19-2	MICHAELS OTT AND SYBLOTT	957	446
750	10*21739	BB	9-19-2	CRYSTAL DAWN YOUNG	957	413
751	10*21740	BB	9-19-2	HOLLY A YOUNG	957	415
752	10*21742	BB	9-19-2	GRANT D RICHARDS AND KERRI S RICHARDS	957	456
753	10*21743	BB	9-19-2	SHIRLEY KOONTZ POA KELLI KOONTZ BENLINE	957	454
754	10*22022	BB	9-19-2	PENNY YODER AND KEVIN LYNN YODER	952	356
755	10*22057	BB	9-19-2	RONALD R YOUNG	960	584
756	10*22600	BB	9-19-2	AIDEN BOYD YOUNG JENNIFER A YOUNG, PETITIONER	966	462
757	10*15802	CC	9-17-37	TOM GOULDSBERRY	683	640
758	10*15803	CC	9-17-37	CHARLOTTE CROW	683	631
759	10*15804	CC	9-17-37	JOE GOULDSBERRY	683	637
760	10*15805	CC	9-17-37	MARY ELLEN CHAMBERS	694	82
761	10*15806	CC	9-17-37	JOANNE FOX	683	634
762	10*15807	CC	9-17-37	GLORIS VAN SCYOC	685	190
763	10*15808	CC	9-17-37	ANGELA YOHO	685	193
764	10*15809	CC	9-17-37	RYAN J AND MICHELE L RIDDLE	687	225
765	10*15810	CC	9-17-37	FLOSSIE P RUTAN	690	266
766	10*15811	CC	9-17-37	SANDRA M WINSLOW	719	51
767	10*21969	CC	9-17-37	MARK WESLEY RICHARDSON	960	507

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OPERATORS WELL NO. KEITH STERN S-18HU

API WELL NO. 47 — 051 — 2243
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*

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