

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

RECEIVED
Office of Oil and Gas

FEB 25 2021

WV Department of
Environmental Protection

API 47-051-02263 County Marshall District Franklin
Quad New Martinsville 7.5' Pad Name Simms Field/Pool Name _____
Farm name Terry E. & Deborah Simms Well Number Hillrock S-15HU
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 4,399,572.33 Easting 519,682.68
Landing Point of Curve Northing 4,399,263.54 Easting 520,767.50
Bottom Hole Northing 4,397,286.94 Easting 521,907.52

Elevation (ft) 1219.5' 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 1/23/2020 Date drilling commenced 3/20/2020 Date drilling ceased 9/26/2020
Date completion activities began 10/27/2020 Date completion activities ceased 11/13/2020
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

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

Freshwater depth(s) ft 838' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1365' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 732-738', 832-838' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
[Signature]
08/27/2021
7-30-21

API 47-051 - 02263 Farm name Terry E. & Deborah Simms Well number Hillrock S-15HU

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"	943'	NEW	106.5#	N/A	Y
Coal							
Intermediate 1	17 1/2"	13 3/8"	2,732'	NEW	54.5#	N/A	Y
Intermediate 2	12 1/4"	9 5/8"	10,447'	NEW	47#	N/A	Y
Intermediate 3							
Production	8 1/2"	5 1/2"	20,407'	NEW	23#	N/A	Y
Tubing		2 7/8"		BEW	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		15.6	1.2		0	8
Surface	A	1894	15.6	1.2	2235	0	8
Coal							
Intermediate 1	A	2153	15.6	1.19	2540	0	8
Intermediate 2	A	4359	14.5	1.19	5074	0	8
Intermediate 3							
Production	A	6342	16.5	1.17	7101	0	8
Tubing							

Drillers TD (ft) 20,447' Loggers TD (ft) n/a
 Deepest formation penetrated n/a Plug back to (ft) n/a
 Plug back procedure n/a

Kick off depth (ft) 12,271'

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 _____

08/27/2021

API 47- 051 - 02263 Farm name Terry E. & Deborah Simms Well number Hillrock S-15HU

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	*see attached				

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	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)
	attached							

Please insert additional pages as applicable.

08/27/2021

API 47- 051 - 02263 Farm name Terry E. & Deborah Simms Well number Hillrock S-15HU

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
POINT PLEASANT	11413'-11543' TVD	12798'-20447' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 8000 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 500 mcfpd Oil 0 bpd NGL 0 bpd Water 550 bpd GAS MEASURED BY Estimated Orifice Pilot

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 (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	0		0		
*attached					

Please insert additional pages as applicable.

Drilling Contractor Nabors Drilling USA
Address 505 West Greens Road, Suite 1000 City Houston State TX Zip 77067

Logging Company n/a
Address _____ City _____ State _____ Zip _____

Cementing Company Halliburton Energy Services, Inc.
Address 121 Champion Way, Suite 200 City Canonsburg State PA Zip 15317

Stimulating Company PRO-FRAC
Address 333 Shops Boulevard City Willow Park State TX Zip 76087

Please insert additional pages as applicable.

Completed by Amy L. Morris Telephone 304-376-0111
Signature Amy L. Morris Title Permitting Specialist - Appalachia Region Date 2-11-2021

Hillrock S-15HU
PEFORATION RECORD

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	10/27/2020	20206	20257	48	Utica
2	10/28/2020	19991	20141	48	Utica
3	10/28/2020	19791	19941	48	Utica
4	10/28/2020	19591	19741	48	Utica
5	10/29/2020	19391	19541	48	Utica
6	10/29/2020	19191	19341	48	Utica
7	10/30/2020	18991	19141	48	Utica
8	10/31/2020	18791	18941	48	Utica
9	10/31/2020	18591	18741	48	Utica
10	10/31/2020	18391	18541	48	Utica
11	11/1/2020	18191	18341	48	Utica
12	11/1/2020	17991	18141	48	Utica
13	11/1/2020	17791	17941	48	Utica
14	11/2/2020	17591	17741	48	Utica
15	11/2/2020	17391	17541	48	Utica
16	11/3/2020	17191	17341	48	Utica
17	11/3/2020	16991	17141	48	Utica
18	11/4/2020	16791	16941	48	Utica
19	11/4/2020	16591	19741	48	Utica
20	11/5/2020	16391	16541	48	Utica
21	11/5/2020	16191	16341	48	Utica
22	11/6/2020	15991	16141	48	Utica
23	11/6/2020	15791	15941	48	Utica
24	11/7/2020	15591	15741	48	Utica
25	11/7/2020	15391	15541	48	Utica
26	11/8/2020	15191	15341	48	Utica
27	11/8/2020	14991	15141	48	Utica
28	11/9/2020	14791	14941	48	Utica
29	11/9/2020	14591	14741	48	Utica
30	11/10/2020	14391	14541	48	Utica
31	11/10/2020	14191	14341	48	Utica
32	11/11/2020	13991	14141	48	Utica
33	11/11/2020	13791	13941	48	Utica
34	11/12/2020	13591	13741	48	Utica
35	11/12/2020	13391	13541	48	Utica
36	11/12/2020	13191	13341	48	Utica
37	11/13/2020	12991	13141	48	Utica
38	11/13/2020	12791	12941	48	Utica

08/27/2021

Hillrock S-15HU
STIMULATION INFORMATION PER STAGE

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	90	11629	10835	7875	255300	279678	0
2	89	11246	10307	8282	504640	438018	0
3	89	11071	10114	7950	507380	432600	0
4	90	11070	9123	8213	506340	430962	0
5	90	10922	9210	8689	496440	422520	0
6	90	10882	8908	8552	507340	425922	0
7	90	10966	8476	8655	502780	382620	0
8	89	10865	8404	7804	498460	378000	0
9	88	10663	8711	8628	499220	378336	0
10	90	10799	8077	8638	502020	378588	0
11	88	10631	9071	8186	501900	380772	0
12	88	10823	8580	8255	452500	355740	0
13	90	10992	8650	8488	493400	376446	0
14	88	10964	8557	8387	504340	390012	0
15	90	10946	8990	8266	505340	381654	0
16	89	10928	8708	8248	507480	379260	0
17	90	10984	9481	8687	494740	372624	0
18	88	10604	9588	8227	500340	377664	0
19	87	10594	9063	8353	501220	382536	0
20	90	10856	8801	8750	508080	381066	0
21	91	10949	9014	8583	499560	370986	0
22	89	10771	9142	8380	510560	382326	0
23	89	10659	10791	8309	508820	389424	0
24	90	10652	8991	8808	505380	375018	0
25	90	10551	8577	4144	502540	417396	0
26	90	10579	8566	8950	510060	374472	0
27	90	10422	8489	8115	512620	374094	0
28	90	10318	8749	8690	502380	374052	0
29	88	10359	8526	8192	501960	379344	0
30	89	10380	8576	8816	505420	373170	0
31	90	10523	8668	7779	509840	374892	0
32	90	10516	8423	8963	507960	371742	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	10623	8886	8477	502980	371826	0
34	90	10461	8565	8437	501100	367080	0
35	89	10408	8552	9054	500580	369138	0
36	88	10316	8180	7888	507660	373884	0
37	90	10339	7996	9234	508300	371868	0
38	89	10266	8002	8909	517920	378966	0

Hillrock S-15HU

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	1922	2063	1925	2067	Sandstone
Big Lime	2063	2101	2067	2105	Limestone
Big Injun	2101	2375	2105	2380	Sandstone
Weir	2375	2583	2380	2588	Sandstone
Berea	2583	2830	2588	2836	Sandstone
Gordon	2830	2955	2836	2962	Sandstone
Fifty Foot	2955	3494	2962	3503	Sandstone
Speechley	3494	4915	3503	4929	Sandstone
Benson	4915	5303	4929	5319	Sandstone
Alexander	5303	5883	5319	5902	Siltstone
Rhinestreet	5883	6319	5902	6340	Black shale
Middlesex	6319	6383	6340	6404	Black shale
Geneseo/Burkett	6383	6417	6404	6438	Black shale
Tully	6417	6453	6438	6474	Limestone
Hamilton	6453	6529	6474	6542	Grey shale
Marcellus	6529	6580	6542	6592	Black shale
Onondaga	6580	6809	6592	6833	Limestone
Oriskany	6809	6915	6833	6941	Sandstone
Helderberg	6915	7285	6941	7314	Limestone
Salina	7285	8335	7314	8437	Salt/Anhydrite/LS
Lockport	8335	8707	8437	8826	Dolomite
Rose Hill	8707	8985	8826	9126	Shale
Packer Shell	8985	9191	9126	9345	Limestone
Clinton/Tuscarora	9191	9295	9345	9464	Sandstone
Juniata/Queenston	9295	10110	9464	10334	Red Shale
Reedsville	10110	11120	10334	11796	Grey Shale
Utica	11120	11375	11796	12576	Black Shale
Point Pleasant	11375	-	12576	-	Shale/Limestone

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/27/2020
Job End Date:	11/13/2020
State:	West Virginia
County:	Marshall
API Number:	47-051-02263-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Hillrock S 15HU
Latitude:	39.74582760
Longitude:	-80.77026260
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11,486
Total Base Water Volume (gal):	14,514,696
Total Base Non Water Volume:	0



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	86.15049	None
Sand (40/70 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	10.48353	None
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	2.93417	None
Hydrochloric Acid (7.5%)	PVS	Acidizing	Water	7732-18-5	85.00000	0.26163	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.11389	None
StimStream FR 9800	Chemstream	Friction Reducer	Butene, homopolymer	9003-29-6	25.00000	0.01925	None
			Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01925	None
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00231	None
MC MX 9-4743	Multi-Chem	Biocide	Sodium Nitrate	7631-99-4	60.00000	0.02199	None
LD-7750W	Multi-Chem	Scale Inhibitor					

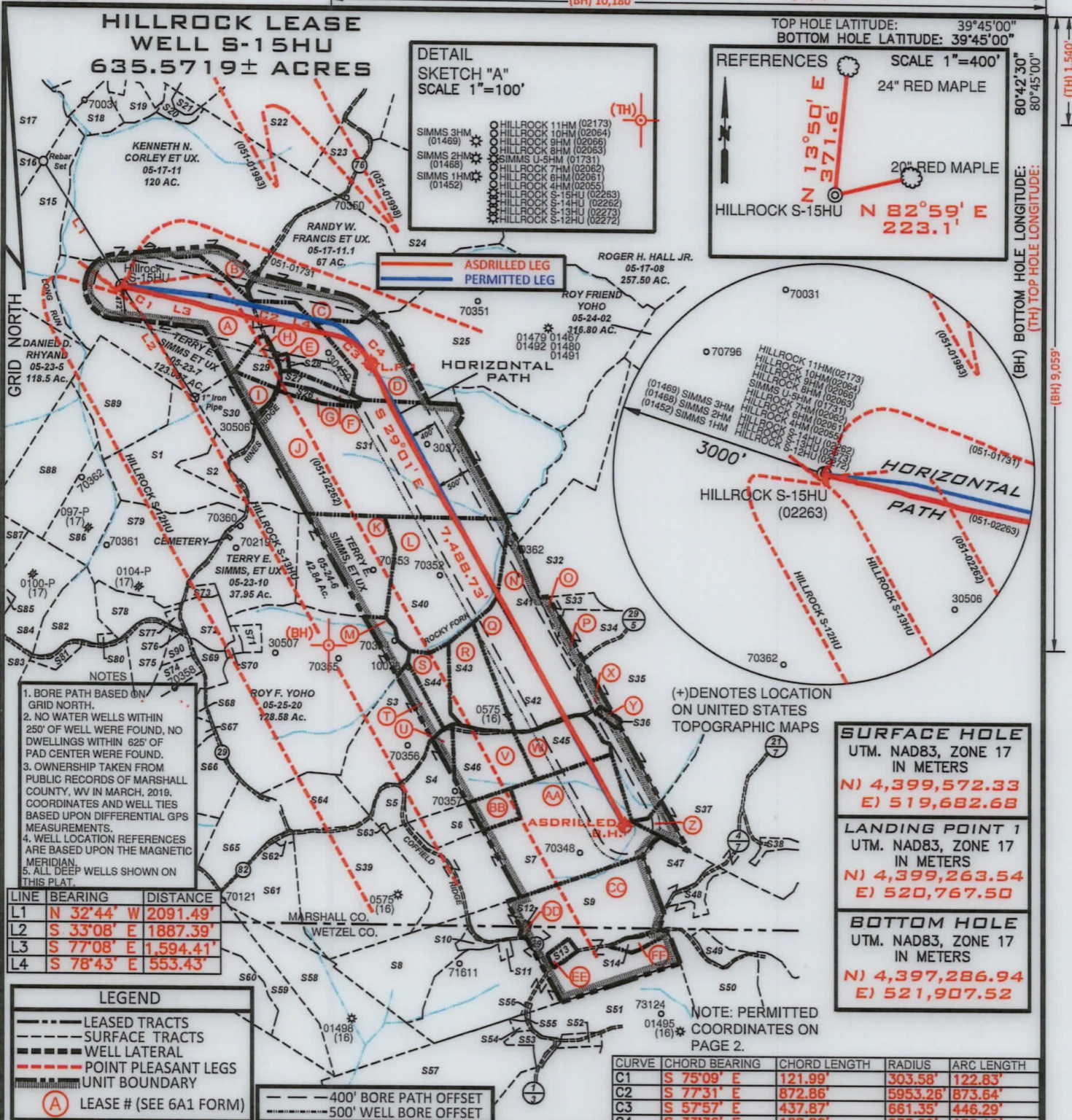
			Methanol	67-56-1	60.00000	0.00495	None
			Phosphonic Acid Salt	Proprietary	5.00000	0.00041	None
ProFE 105	ProFrac	Iron Control					
			Citric Acid	77-92-9	100.00000	0.00115	None
ProHib 100	ProFrac	Acid Inhibitor					
			2-Propyn-1-ol compound w/ methyloxirane	38172-91-7	15.00000	0.00014	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Water	7732-18-5	85.00000	0.26163	
			Butene, homopolymer	9003-29-6	25.00000	0.01925	
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00231	
			Phosphonic Acid Salt	Proprietary	5.00000	0.00041	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

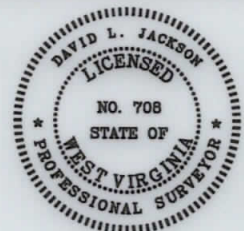
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



FILE NUMBER _____
DRAWING NUMBER: HILLROCK_S-15HU_REV 1
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING
GRADE GPS

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

David L Jackson



JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5851

DATE: FEBRUARY 23, 2021

OPERATORS WELL NO. HILLROCK S-15HU
API WELL NO. 47-051-02263
STATE WV COUNTY MARSHALL PERMIT SEE WW-6A1 Form

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION ELEVATION 1,219.5' WATERSHED (HUC 10) FISH CREEK
DISTRICT FRANKLIN COUNTY MARSHALL
QUADRANGLE NEW MARTINSVILLE 7.5' LEASE NUMBER SEE WW-6A1 Form

SURFACE OWNER TERRY E. & DEBORAH SIMMS ACREAGE 123.09
OIL & GAS ROYALTY OWNER TERRY E. & DEBORAH L. SIMMS, ET AL LEASE ACREAGE 123.09

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) ASDRILLED

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,543' TMD: 20,447'

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

08/27/2021

COUNTY NAME
PERMIT

**HILLROCK LEASE
WELL S-15HU
635.5719± ACRES**

Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S1	05-24-5.4	Thomas V. Tuttle, et ux	38.224
S2	05-24-5.3	Thomas V. Tuttle, et ux	8.543
S3	05-25-01	Michael L. Mason	35.43
S4	05-25-13	William M. Ferda, Jr. & Stephanie Palicka	16.014
S5	05-25-13.2	David A. Klug	5.89
S6	05-25-12.1	Kent & Betty Mason	15.0
S7	05-25-12	Marion Parsons Jr., et al	85.16
S8	05-25-11.4	Edward W. Klug, et ux	32.787
S9	05-25-11.2	James W. Klug	114.305
S10	05-25-11.1	Edward W. Klug & Dianna Klug	2.343
S11	12-03-44	James A. & Jo C. Estep	1.10
S12	12-03-47	Wetzel County Emergency Ambulance	0.50
S13	12-03-43	Adam W. Ferrell & Brittany M. Loy	1.97
S14	12-03-42	J. M. Klug	2.617
S15	05-23-06	James A. Channing, et al	48.0
S16	05-18-21	Curtis E. & Michelle J. Hall	43.119
S17	05-18-20	Wayne E. Channing, et al	75.60
S18	05-18-31	Kenneth E. Rastall	6.94
S19	05-18-32	Kenneth E. Rastall	5.335
S20	05-17-12	James A. & Jill C. Corley	3.33
S21	05-17-12.1	Williams Ohio Valley Midstream, LLC	1.67
S22	05-17-10	James A. Corley, et al	92.61
S23	05-17-9.3	James A. Corley, et ux	12.478
S24	05-17-9.4	Vicki L. Bowen	60.3
S25	05-24-1	Linda L. Hendrickson & Donald Ray Pickering	175.0
S26	05-24-5.2	James D. Watkins, et ux	3.151
S27	05-24-5.1	James D. Watkins, et ux	4.60
S28	05-23-7.1	Lisa Ann Nelson	0.549
S29	05-23-7.2	Lisa Ann Nelson	6.354
S30	05-24-5.5	Linda Lou Tagg	17.194
S31	05-24-5	Robert C. Francis et ux (Life)	145.788
S32	05-24-3.2	T.H. Exploration II, LLC	49.0
S33	05-24-3.1	T.H. Exploration II, LLC	5.50
S34	05-25-2.2	John G. Klug, Sr. et ux	10.0
S35	05-25-2	James W. Klug	122.3
S36	05-25-2.1	Nancy Jackson	1.0
S37	05-25-3	S.D. Fertitta, et ux	181.548
S38	05-25-3.1	S.D. Fertitta, et ux	3.022
S39	05-25-14.1	Judith L. Weigand	65.0
S40	05-24-04	Terry E. Simms, et ux	84.05
S41	05-25-1.4	Samantha J. & Philip A. Namlik	24.44
S42	05-25-1.3	Michael E. & Annie A. Chapman	26.2
S43	05-25-1.2	William Jr. & Andrea J. Dubiel	20.10
S44	05-25-1.1	Ryan A. & Jacqueline E. Layman	9.79
S45	05-25-13.3	William M. Sr. & Cynthia A. Ferda	17.21

Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S46	05-25-1.5	Ryan J. Bratton	21.35
S47	05-25-10	Terry L. & Tammy J. Kirkland as Trustees of the Terry L. & Tammy J. Kirkland Living Trust	18.75
S48	05-25-10.1	Terry L. & Tammy J. Kirkland (Life)	5.250
S49	12-03-41	Carl L. Kirkland	4.102
S50	12-03-41.1	Terry L. & Tammy J. Kirkland as Trustees of the Terry L. & Tammy J. Kirkland Living Trust	74.138
S51	12-03-04	Albert L. & Mary Hohman et al	85.0
S52	12-03-02	Robert Lee & Diana G. Smith	2.48
S53	12-03-4.3	Joseph P. & Barbara A. Cain	3.619
S54	12-03-4.6	Steven P. Wayman	1.009
S55	12-03-4.5	Hazel M. Blair	0.451
S56	12-03-01	James W. Klug	0.375
S57	12-03-4.7	Joseph P. & Barbara A. Cain	67.3
S58	12-02-14	David L. Cunningham	56.23
S59	12-02-14.2	John G. Jr. & Geraldine M. Rogers	25.1
S60	12-02-14.1	Sammy J. Greathouse, Jr. Sammy J. Greathouse, Sr. (L/E)	18.67
S61	05-25-16.1	David L. Cunningham	6.34
S62	05-25-16.2	Rodney J. Loy	1.087
S63	05-25-13.4	Parsons Cemetery	0.38
S64	05-25-14	Roy F. Yoho	23.0
S65	05-25-16	Craig R. & Ashley Ferrell	23.5
S66	05-25-17	Craig R. & Ashley Ferrell	22.790
S67	05-25-18	Joseph Johnson, et ux (Life)	37.746
S68	05-25-19	Joseph Johnson, et ux (Life)	1.973
S69	05-25-20.3	James A. & Jo C. Estep	4.49
S70	05-25-20.2	James M. Zombotti	1.347
S71	05-25-20.1	James M. Zombotti	2.746
S72	05-23-11	Roy F. Yoho	9.475
S73	05-23-11.7	Bryan L. Huggins	1.835
S74	05-23-11.5	Roy F. Yoho	2.25
S75	05-23-11.3	Colin R. Yoho	11.29
S76	05-23-11.6	T.H. Exploration II, LLC & Atinum Marcellus I, LLC	0.094
S77	05-23-11.2	Evelyn Hudson	1.154
S78	05-23-11.4	Evelyn Hudson	10.879
S79	05-23-11.1	John H. & Sonya D. Holliday	46.482
S80	05-23-13.1	James R. & Pamela J. Ferrell	0.7625
S81	05-23-12	Mark A. Yoho	3.05
S82	05-23-13	Linda D. Greathouse	14.24
S83	05-23-9.1	John W. Van Orden et ux	23.376
S84	05-23-9.2	Linda D. Greathouse	25.58
S85	05-23-9.4	Jackson R. Sr. & Deanna L. Davis	2.087
S86	05-23-9.3	Linda D. Greathouse	17.5
S87	05-23-14	Dominion Transmission, Inc.	59.5
S88	05-23-08	Carl David & Suzanne L. Guseman	29.5
S89	05-23-8.1	William & Virginia Roupe	34.0
S90	05-23-11.8	Zachary R. Stevey	7.0

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,399,573.47
E) 519,682.83

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,399,267.41
E) 520,764.23

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,397,286.48
E) 521,907.91



P.S. 708

David L Jackson

08/27/2021



**TUG HILL
OPERATING**

OPERATOR'S
WELL #: HILLROCK S-15HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API: 047-051-02263

WELL PLAT
PAGE 2 OF 3
DATE: 02/23/2021

**HILLROCK LEASE
WELL S-15HU
635.5719± ACRES**

Lease ID	Tags	Parcel	Grantor, Lessor, Etc.	Deed Book	Page
10*14140	A	5-23-7	TERRY E SIMMS AND DEBORAH L SIMMS	666	529
10*14126	B	5-17-11	SHARON MIDCAP	697	152
10*14126	C	5-17-11.1	SHARON MIDCAP	697	152
10*14138	D	5-24-1	LINDA AND DONALD HENDRICKSON	666	528
10*14130	E	5-23-7.1	JANE ELLEN MARCUM ET AL	708	185
10*14797	F	5-24-5.1	ORVILLE YOUNG ET AL	800	598
10*14797	G	5-24-5.2	ORVILLE YOUNG ET AL	800	598
10*14130	H	5-23-7.2	JANE ELLEN MARCUM ET AL	708	185
10*14797	I	5-24-5.5	ORVILLE YOUNG ET AL	800	598
10*14797	J	5-24-5	ORVILLE YOUNG ET AL	800	598
10*14558	K	5-24-6	KLOVA ANN MORRIS ET AL	765	434
10*14462	L	5-24-4	JERRY ELDON RICHMOND ET AL	744	57
10*14786	M	5-25-20	TWILA O WHIPKEY EL AL	799	61
10*14728	N	5-25-1.4	IRIS K MOELLENDICK ET AL	839	509
10*14068	O	5-24-3.1	ROHN JEAN MARTIN ET AL	666	552
10*14525	P	5-25-2.2	IMA LEE YOHO	757	192
10*14728	Q	5-25-1.3	IRIS K MOELLENDICK ET AL	839	509
10*14661	R	5-25-1.2	ANDREA & WILLIAM DUBIEL JR ET AL	777	563
10*14728	S	5-25-1.1	IRIS K MOELLENDICK ET AL	839	509
10*14728	T	5-25-1	IRIS K MOELLENDICK ET AL	839	509
10*14728	U	5-25-13	IRIS K MOELLENDICK ET AL	839	509
10*14728	V	5-25-1.5	IRIS K MOELLENDICK ET AL	839	509
10*14664	W	5-25-13.3	CHRISTINA L MILLER ET AL	779	496
10*14525	X	5-25-2	IMA LEE YOHO	757	192
10*14525	Y	5-25-2.1	IMA LEE YOHO	757	192
10*14524	Z	5-25-3	IMA LEE YOHO	757	194
10*14926	AA	5-25-12	NILA JUNE MASON ET AL	842	394
10*18120	BB	5-25-12.1	KENT & BETTY MASON	927	75
10*22496	CC	5-25-11.2	JAMES W KLUG	923	543
10*22984	DD	12-3-47	WETZEL COUNTY EMERGENCY AMBULANCE AUTHORITY INC	209A	748
10*24576	EE	12-3-43	ADAM W FERRELL AND BRITTANY M FERRELL	218A	837
10*22496	FF	12-3-42	JAMES W KLUG	923	543



P.S.
708

David L Jackson

08/27/2021



TUG HILL
OPERATING

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PAGE 3 OF 3
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