

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

AUG 27 2021

WV Department of  
Environmental Protection

API 47-051-02066 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-9HM  
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 4,399,595.57 Easting 519,682.50  
Landing Point of Curve Northing 4,399,280.73 Easting 520,115.45  
Bottom Hole Northing 4,396,569.34 Easting 521,688.70

Elevation (ft) 1,219.4' 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

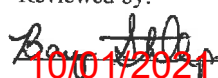
Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine

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 8/17/2018 Date drilling commenced conduc. 8/24/19 tophole 1/18/20 Date drilling ceased 2/7/2020  
Date completion activities began 5/22/2021 Date completion activities ceased 6/8/2021  
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 830' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1365' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 724-730', 824-830' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:  
  
10/11/2021

API 47-051 - 02066 Farm name Terry E. & Deborah Simms Well number Hillrock S-9HM

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	17 1/2"	13 3/8"	950'	NEW	54.5#	N/A	Y
Coal	17 1/5"	13 3/8"	950'	NEW	54.5#	N/A	Y
Intermediate 1	12 1/4"	9 5/8"	2,690'	NEW	36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8 3/4"	5 1/2"	17,346'	NEW	20#	N/A	Y
Tubing		2 3/8"	8,673'	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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	A	471	15.6	1.18	556	0	8
Surface	A	972	15.6	1.18	1,163	0	8
Coal	A	972	15.6	1.18	1,163	0	8
Intermediate 1	A	941	15.6	1.18	1,110	0	8
Intermediate 2							
Intermediate 3							
Production	A	4,095	14.5	1.16	4,810	0	8
Tubing							

Drillers TD (ft) 17,375' Loggers TD (ft) n/a

Deepest formation penetrated Marcellus Plug back to (ft) n/a

Plug back procedure n/a

Kick off depth (ft) 6,186'

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 \_\_\_\_\_





**HILLROCK S-9HM  
PEFORATION RECORD**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	5/22/2021	16,983	17,128	48	Marcellus
2	5/23/2021	16,809	16,961	48	Marcellus
3	5/23/2021	16,635	16,787	48	Marcellus
4	5/23/2021	16,461	16,614	48	Marcellus
5	5/23/2021	16,288	16,440	48	Marcellus
6	5/24/2021	16,114	16,266	48	Marcellus
7	5/24/2021	15,940	16,092	48	Marcellus
8	5/24/2021	15,766	15,918	48	Marcellus
9	5/25/2021	15,592	15,744	48	Marcellus
10	5/25/2021	15,418	15,570	48	Marcellus
11	5/25/2021	15,245	15,397	48	Marcellus
12	5/26/2021	15,071	15,223	48	Marcellus
13	5/26/2021	14,897	15,049	48	Marcellus
14	5/26/2021	14,723	14,875	48	Marcellus
15	5/27/2021	14,549	14,701	48	Marcellus
16	5/27/2021	14,375	14,527	48	Marcellus
17	5/27/2021	14,201	14,354	48	Marcellus
18	5/28/2021	14,028	14,180	48	Marcellus
19	5/28/2021	13,854	14,006	48	Marcellus
20	5/28/2021	13,680	13,832	48	Marcellus
21	5/29/2021	13,506	13,658	48	Marcellus
22	5/29/2021	13,332	13,484	48	Marcellus
23	5/29/2021	13,158	13,310	48	Marcellus
24	5/29/2021	12,984	13,137	48	Marcellus
25	5/30/2021	12,811	12,963	48	Marcellus
26	5/30/2021	12,637	12,789	48	Marcellus
27	5/30/2021	12,463	12,614	48	Marcellus
28	5/30/2021	12,289	12,441	48	Marcellus
29	5/31/2021	12,115	12,267	48	Marcellus
30	5/31/2021	11,941	12,093	48	Marcellus
31	5/31/2021	11,767	11,920	48	Marcellus
32	6/1/2021	11,594	11,746	48	Marcellus
33	6/1/2021	11,420	11,572	48	Marcellus
34	6/1/2021	11,246	11,398	48	Marcellus
35	6/1/2021	11,072	11,224	48	Marcellus
36	6/2/2021	10,898	11,050	48	Marcellus
37	6/2/2021	10,724	10,877	48	Marcellus
38	6/2/2021	10,551	10,703	48	Marcellus
39	6/3/2021	10,377	10,529	48	Marcellus
40	6/3/2021	10,203	10,355	48	Marcellus
41	6/3/2021	10,029	10,181	48	Marcellus

10/01/2021

42	6/3/2021	9,855	10,007	48	Marcellus
43	6/4/2021	9,681	9,833	48	Marcellus
44	6/4/2021	9,507	9,660	48	Marcellus
45	6/4/2021	9,334	9,486	48	Marcellus
46	6/5/2021	9,160	9,312	48	Marcellus
47	6/5/2021	8,986	9,138	48	Marcellus
48	6/5/2021	8,812	8,964	48	Marcellus
49	6/5/2021	8,638	8,790	48	Marcellus
50	6/6/2021	8,464	8,616	48	Marcellus
51	6/6/2021	8,290	8,443	48	Marcellus
52	6/6/2021	8,117	8,269	48	Marcellus
53	6/7/2021	7,943	8,094	48	Marcellus
54	6/7/2021	7,769	7,921	48	Marcellus
55	6/7/2021	7,595	7,747	48	Marcellus
56	6/7/2021	7,421	7,573	48	Marcellus
57	6/8/2021	7,247	7,400	48	Marcellus
58	6/8/2021	7,074	7,226	48	Marcellus
59	6/8/2021	6,900	7,052	48	Marcellus

**HILLROCK S-9HM**  
**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	8104	5000	4,796	440360	8,432	0
2	90	7717	5875	5,430	445680	8,492	0
3	89	7484	5631	5,374	434860	8,509	0
4	90	7497	6041	5,369	449300	8,695	0
5	90	7599	5804	5,490	440360	8,441	0
6	89	7454	5778	5,339	449360	8,539	0
7	89	7390	5812	5,442	434800	8,336	0
8	89	7320	5556	5,541	438140	8,427	0
9	89	7416	5606	5,182	441380	8,408	0
10	90	7526	5752	5,237	441740	8,406	0
11	90	7585	5784	5,429	444760	8,413	0
12	89	7468	5457	5,693	440800	8,474	0
13	88	7273	5388	5,107	446760	8,414	0
14	90	7495	5460	5,372	441200	8,518	0
15	89	7437	5896	5,452	440940	8,410	0
16	89	7343	5592	5,229	436560	8,307	0
17	90	7344	5531	5,414	444340	8,344	0
18	89	7284	5828	5,374	436230	8,207	0
19	89	7161	5531	4,799	439140	8,250	0
20	90	7397	5820	5,555	438220	8,916	0
21	90	7537	5276	5,693	445720	8,344	0
22	89	7275	5300	5,140	431820	8,106	0
23	89	7327	5449	5,571	446760	8,266	0
24	90	7339	5179	5,608	440140	8,323	0
25	89	7130	5116	5,312	440860	8,269	0
26	90	7286	5245	6,282	433980	8,188	0
27	90	7324	5349	5,897	443220	8,320	0
28	90	7196	5208	5,318	440920	8,322	0
29	88	7020	5828	4,842	381260	8,433	0
30	90	6938	5572	5,618	442880	8,239	0
31	90	7090	5490	5,085	441300	8,064	0
32	89	6935	5307	5,346	442220	8,171	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	7127	5506	5,674	440480	8,156	0
34	90	6900	6032	5,125	440940	8,166	0
35	89	6828	5335	5,431	443220	8,324	0
36	90	6973	5766	4,922	447340	8,230	0
37	89	6841	5311	5,237	436320	8,151	0
38	89	6692	5198	5,216	440200	8,150	0
39	89	6729	5281	4,992	441700	8,216	0
40	89	6656	5564	4,802	440820	8,119	0
41	90	6714	5454	5,618	445320	8,153	0
42	90	6828	5562	4,587	447280	8,285	0
43	87	6752	5326	5,132	440960	8,051	0
44	89	6835	5150	5,144	443140	8,062	0
45	89	6710	5173	5,199	445940	8,154	0
46	89	6923	5880	4,984	406760	7,691	0
47	89	6603	5340	5,544	446000	8,124	0
48	89	6557	5423	4,977	447480	8,245	0
49	88	6507	5702	5,102	444480	8,138	0
50	90	6591	5719	5,633	444260	8,093	0
51	90	6868	6014	5,034	396440	7,621	0
52	89	6743	5817	5,329	444040	8,067	0
53	89	6892	5164	5,148	440540	8,285	0
54	87	6611	5364	5,252	441040	8,035	0
55	88	6531	5384	4,995	437220	8,012	0
56	88	6374	5337	5,714	439240	7,985	0
57	88	6381	6010	5,482	446120	8,084	0
58	88	6367	6609	5,571	445380	8,046	0
59	89	6491	5852	5,470	441220	7,995	0



## HILLROCK S-9HM

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	1931	2025	1934	2030	Sandstone
Big Lime	2025	2067	2030	2073	Limestone
Big Injun	2067	2384	2073	2401	Sandstone
Weir	2384	2599	2401	2623	Sandstone
Berea	2599	2841	2623	2874	Sandstone
Gordon	2841	2907	2874	2942	Sandstone
Fifty Foot	2907	3507	2942	3563	Sandstone
Speechley	3507	4921	3563	5031	Sandstone
Benson	4921	5297	5031	5422	Sandstone
Alexander	5297	5899	5422	6047	Siltstone
Rhinestreet	5899	6330	6047	6516	Black shale
Middlesex	6330	6396	6516	6603	Black shale
Geneseo/Burkett	6396	6426	6603	6646	Black shale
Tully	6426	6464	6646	6706	Limestone
Hamilton	6464	6522	6706	6836	Grey shale
Marcellus	6522	-	6836	-	Black shale

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/22/2021
Job End Date:	6/8/2021
State:	West Virginia
County:	Marshall
API Number:	47-051-02066-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Hillrock S 9HM
Latitude:	39.74603472
Longitude:	-80.77026528
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,599
Total Base Water Volume (gal):	20,438,082
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	86.47170	None
Sand (40/70 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	8.89339	None
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	3.06600	None
Sand (30/50 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	1.18705	None
Hydrochloric Acid (7.5%)	PVS	Acidizing	Water	7732-18-5	85.00000	0.23180	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.10090	None
StimStream FR 9800	Chemstream	Friction Reducer	Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01559	None
			Butene, homopolymer	9003-29-6	25.00000	0.01559	None
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00187	None

MC MX 9-4743	Multi-Chem	Biocide					
			Sodium Nitrate	7631-99-4	60.00000	0.02196	None
LD-7750W	Multi-Chem	Scale Inhibitor					
			Methanol	67-56-1	60.00000	0.00502	None
			Phosphonic Acid Salt	Proprietary	5.00000	0.00042	None
ProFE 105	ProFrac	Iron Control					
			Citric Acid	77-92-9	100.00000	0.00101	None
ProHib 100	ProFrac	Acid Inhibitor					
			2-Propyn-1-ol compound w/ methyloxirane	38172-91-7	15.00000	0.00013	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	0.23180	
			Butene, homopolymer	9003-29-6	25.00000	0.01559	
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00187	
			Phosphonic Acid Salt	Proprietary	5.00000	0.00042	

\* 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)



# HILLROCK LEASE WELL 9HM 752.758± ACRES

TOP HOLE LATITUDE: 39°45'00"  
BOTTOM HOLE LATITUDE: 39°45'00"

**DETAIL SKETCH "A"**  
SCALE 1"=100'

(TH) (02173)  
HILLROCK 11HM (02064)  
HILLROCK 10HM (02064)  
HILLROCK 9HM (02066)  
HILLROCK 8HM (02063)  
SIMMS U-5HM (01731)  
HILLROCK 7HM (02062)  
HILLROCK 6HM (02061)  
HILLROCK 4HM (02058)  
HILLROCK S-15HU (02263)  
HILLROCK S-14HU (02271)  
HILLROCK S-13HU (02271)  
HILLROCK S-12HU (02272)

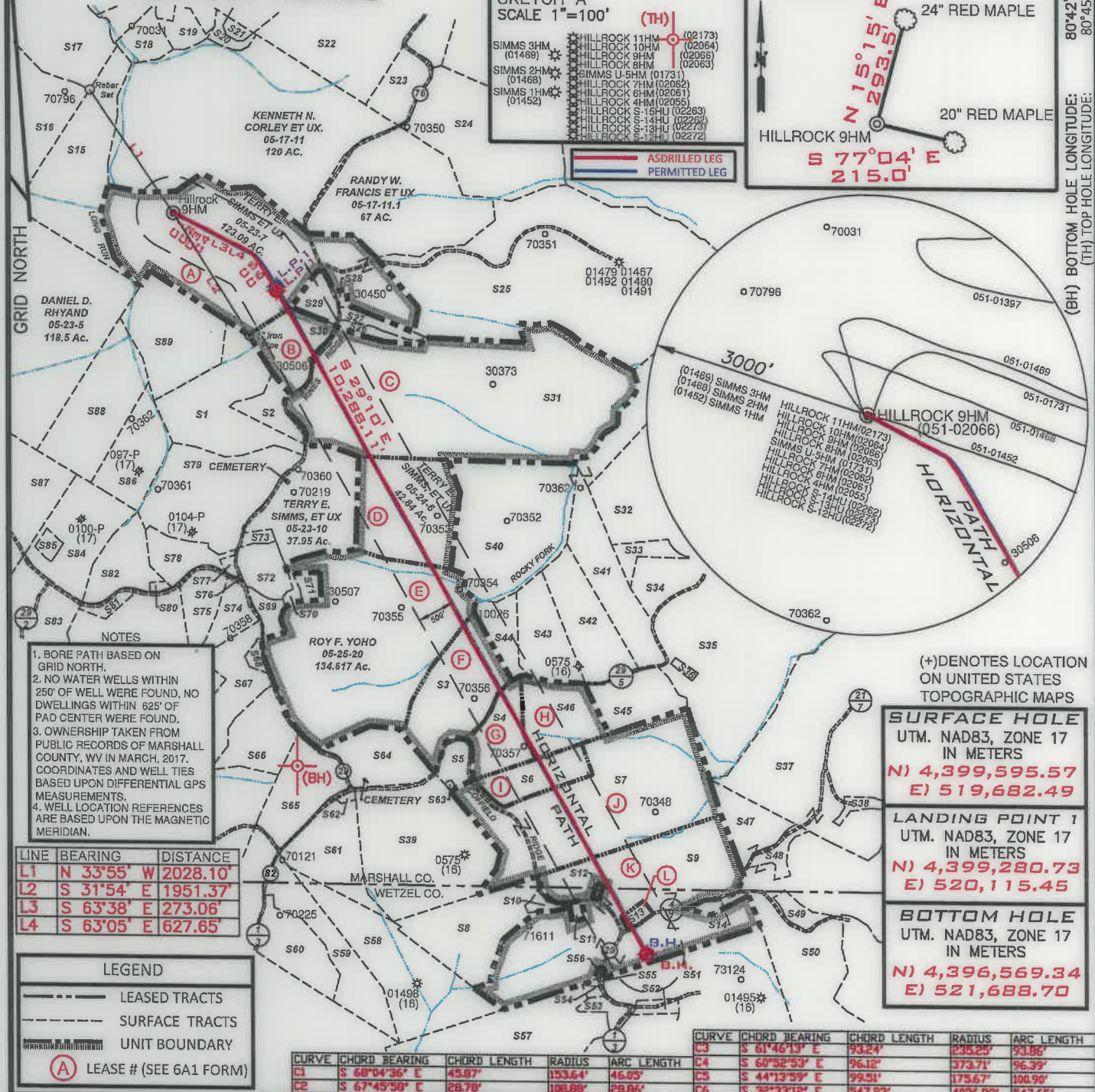
ASDRILLED LEG  
PERMITTED LEG

**REFERENCES** SCALE 1"=400'

24" RED MAPLE  
20" RED MAPLE

HILLROCK 9HM

N 15°15' E  
S 77°04' E  
215.0'



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,399,595.57  
E) 519,682.49

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,399,280.73  
E) 520,115.45

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,396,569.34  
E) 521,688.70

FILE NUMBER \_\_\_\_\_

DRAWING NUMBER HILLROCK\_9HM\_Rev 0

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 1480  
Clarksburg, WV 26302  
304-623-5851



WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET, SE  
CHARLESTON, WV 25304

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

LOCATION ELEVATION 1219.4' WATERSHED (HUC 10) FISH CREEK

DISTRICT FRANKLIN COUNTY MARSHALL

QUADRANGLE NEW MARTINSVILLE 7.5' LEASE NUMBER SEE WW-6A1 Form

DATE: APRIL 07, 2021

OPERATORS WELL NO. HILLROCK 9HM

API WELL NO. 47-051-02066

STATE COUNTY PERMIT

SURFACE OWNER TERRY E. & DEBORAH SIMMS ACREAGE 1070.19  
OIL & GAS ROYALTY OWNER TERRY E. & DEBORAH L. SIMMS, ET AL - SEE WW-6A1 FORM LEASE ACREAGE 319.91

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_  
PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) ASDRILLED \_\_\_ PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,660' TMD: 17,375'

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

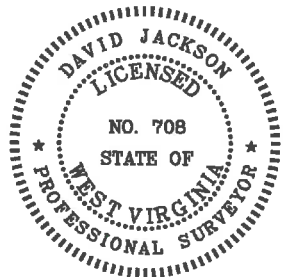
COUNTY NAME PERMIT



**HILLROCK LEASE  
WELL 9HM  
752.758± 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 (F)	05-25-01	Michael L. Mason	35.43
S4 (G)	05-25-13	Nicolas J. & Debra L. Klug	16.014
S5	05-25-13.2	David A. Klug	5.89
S6 (I)	05-25-12.1	Kent & Betty Mason	15.0
S7 (J)	05-25-12	Marion Parsons Jr., et al	85.16
S8	05-25-11.4	Edward W. Klug, et ux	32.787
S9 (K)	05-25-11.2	James W. Klug	114.305
S10	05-25-11.1	Edward W. Klug et ux	2.343
S11	12-03-44	James A. & Jo C. Estep	1.10
S12	12-03-47	Wetzel County Emergency Ambulance	0.50
S13 (L)	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	75.6
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	175.0
S26	05-24-5.2	James D. Watkins, et ux	3.151
S27	05-24-5.1	James D. Watkins, et ux	4.6
S28	05-23-7.1	H.J. Weigand, et ux	0.549
S29	05-23-7.2	H.J. Weigand, et ux	6.354
S30 (B)	05-24-5.5	H.J. Weigand, et ux	17.194
S31 (C)	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	Bernard R. Weigand, et ux	65.0
S40	05-24-04	Terry E. Simms, et ux	84.05
S41	05-25-1.4	Samantha J. & Philip A. Namlik	100.7235
S42	05-25-1.3	Michael E. & Annie A. Chapman	26.2
S43	05-25-1.2	William Jr. & Andrea J. Dubiel	20.1
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 (H)	05-25-1.5	Ryan J. Bratton	21.35
S47	05-25-10	Terry L. & Tammy J. Kirkland	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	74.138
S51	12-03-4	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	Donald Lee Anderson, et al	4.2
S60	12-02-14.1	Richard Joseph Otte, et ux	1.25
S61	15-25-16.1	David L. Cunningham	6.34
S62	05-25-16.2	Rodney J. Loy	1.087
S63	05-25-13.1	Morgan Chad Gump, et ux	0.9
S64	05-25-14	Roy F. Yoho	23.0
S65	05-25-16	Emily Jones Irrevocable Trust	23.5
S66	05-25-17	Emily Jones Irrevocable Trust	22.79
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	3.445
S73	05-23-11.7	Bryan L. Huggins	1.835
S74	05-23-11.5	Roy F. Yoho	9.25
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



P.S. 708

*David L Jackson*

<b>SURFACE HOLE</b> UTM. NAD83, ZONE 17 IN METERS N) 4,399,595.41 E) 519,682.55
<b>LANDING POINT 1</b> UTM. NAD83, ZONE 17 IN METERS N) 4,399,297.78 E) 520,115.42
<b>BOTTOM HOLE</b> UTM. NAD83, ZONE 17 IN METERS N) 4,396,567.60 E) 521,691.66

10/01/2021



**TUG HILL**  
OPERATING

OPERATOR'S  
WELL #: HILLROCK 9HM  
DISTRICT: Franklin  
COUNTY: Marshall  
STATE: WV  
API #: 47-051-02066

**WELL PLAT**  
PAGE 2 OF 2  
DATE: 04/07/2021