

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 47-051-02262 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-14HU
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 4,399,568.65 Easting 519,682.82
Landing Point of Curve Northing 4,399,453.05 Easting 520,220.46
Bottom Hole Northing 4,396,717.08 Easting 521,796.52

Elevation (ft) 1219.9' 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 3/18/2020 Date drilling ceased 9/8/2020
Date completion activities began 10/27/2020 Date completion activities ceased 11/14/2020
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:

8-4-21
Randy Delp
08/27/2021

API 47-051 - 02262

Farm name Terry E. & Deborah Simms

Well number Hillrock S-14HU

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"	959'	NEW	106.5#	N/A	Y
Coal							
Intermediate 1	17 1/2"	13 3/8"	2,728'	NEW	54.5#	N/A	Y
Intermediate 2	12 1/4"	9 5/8"	10,330'	NEW	47#	N/A	Y
Intermediate 3							
Production	8 1/2"	5 1/2"	22,296'	NEW	23#	N/A	Y
Tubing		2 7/8"	11,148'	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		15.6	1.2		0	6
Surface	A	1915	15.6	1.2	2260	0	6
Coal							
Intermediate 1	A	2147	15.6	1.19	2534	0	6
Intermediate 2	A	4093	14.5	1.19	4765	0	6
Intermediate 3							
Production	A	5344	16.5	1.17	5983	0	6
Tubing							

Drillers TD (ft) 22,330'

Loggers TD (ft) n/a

Deepest formation penetrated Trenton

Plug back to (ft) n/a

Plug back procedure n/a

Kick off depth (ft) 10,634'

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

**Hillrock S-14HU
PEFORATION RECORD**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
1	10/27/2020	22097	22146	48	Utica
2	10/28/2020	21870	22045	48	Utica
3	10/28/2020	21670	21845	48	Utica
4	10/28/2020	21470	21645	48	Utica
5	10/29/2020	21270	21445	48	Utica
6	10/29/2020	21070	21245	48	Utica
7	10/29/2020	20870	21045	48	Utica
8	10/30/2020	20670	20845	48	Utica
9	10/30/2020	20470	20648	48	Utica
10	10/31/2020	20270	20445	48	Utica
11	10/31/2020	20070	20245	48	Utica
12	10/31/2020	19871	20046	48	Utica
13	11/1/2020	19671	19846	48	Utica
14	11/1/2020	19471	19646	48	Utica
15	11/1/2020	19271	19446	48	Utica
16	11/2/2020	19071	19246	48	Utica
17	11/2/2020	18871	19046	48	Utica
18	11/2/2020	18671	18846	48	Utica
19	11/3/2020	18471	18646	48	Utica
20	11/3/2020	18271	18446	48	Utica
21	11/3/2020	18071	18246	48	Utica
22	11/4/2020	17872	18047	48	Utica
23	11/4/2020	17672	17847	48	Utica
24	11/4/2020	17472	17647	48	Utica
25	11/5/2020	17272	17447	48	Utica
26	11/5/2020	17072	17247	48	Utica
27	11/5/2020	16872	17047	48	Utica
28	11/6/2020	16672	16847	48	Utica
29	11/6/2020	16472	16647	48	Utica
30	11/6/2020	16272	16447	48	Utica
31	11/7/2020	16072	16247	48	Utica
32	11/7/2020	15873	16047	48	Utica
33	11/7/2020	15673	15848	48	Utica
34	11/8/2020	15473	15648	48	Utica
35	11/8/2020	15273	15448	48	Utica
36	11/8/2020	15073	15248	48	Utica
37	11/9/2020	14873	15048	48	Utica
38	11/9/2020	14673	14848	48	Utica
39	11/9/2020	14473	14648	48	Utica
40	11/10/2020	14273	14448	48	Utica
41	11/10/2020	14073	14248	48	Utica

08/27/2021

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD. Ft.	Number of Perforations	Formation(s)
42	11/10/2020	13874	14049	48	Utica
43	11/11/2020	13674	13849	48	Utica
44	11/11/2020	13474	13649	48	Utica
45	11/11/2020	13274	13449	48	Utica
46	11/12/2020	13074	13249	48	Utica
47	11/12/2020	12874	13049	48	Utica
48	11/12/2020	12674	12849	48	Utica
49	11/13/2020	12474	12649	48	Utica
50	11/13/2020	12274	12449	48	Utica
51	11/13/2020	12074	12249	48	Utica
52	11/14/2020	11875	12050	48	Utica

08/27/2021

Hillrock S-14HU
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	11804	10535	7268	250140	6724	0
2	90	11360	9041	8508	504120	10213	0
3	89	11393	9711	8150	502860	10343	0
4	89	11197	9095	8556	501060	10278	0
5	89	11413	9366	8611	502720	10153	0
6	90	11586	10822	8754	496340	9147	0
7	90	11351	9037	8891	508560	9553	0
8	90	11284	9112	7234	506260	9078	0
9	90	11370	8559	8826	503620	9340	0
10	90	11314	8346	8760	506760	11234	0
11	88	11157	8246	7809	500460	9049	0
12	90	11097	8200	8738	500700	9044	0
13	89	11002	8288	8898	509000	9106	0
14	88	10809	8407	8162	501620	9062	0
15	89	11146	8327	8683	509620	9226	0
16	89	11221	8197	8770	508420	9110	0
17	88	10858	8218	8872	508380	9144	0
18	89	11041	8398	8700	508980	9106	0
19	88	10982	8391	9280	505660	9148	0
20	88	10832	7986	8876	496400	8999	0
21	90	10967	8396	8833	505880	9044	0
22	89	10963	8347	8898	507860	9047	0
23	90	10932	8471	8865	501040	9067	0
24	87	10855	8465	8453	505360	9234	0
25	90	11056	8825	8822	507960	9049	0
26	89	10827	8939	8649	506580	9028	0
27	87	10586	8914	8340	510134	9260	0
28	88	10572	8131	8684	503740	8984	0
29	89	10534	8351	8956	496240	8939	0
30	88	10405	8542	8945	505520	9234	0
31	90	10584	8405	8869	508500	8994	0
32	91	10646	8443	8814	507720	8897	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	87	10417	8389	7572	509780	9234	0
34	90	10642	8854	9119	504440	9972	0
35	90	10511	8500	7374	507420	9056	0
36	89	10411	8771	8571	509340	9261	0
37	90	10596	8663	9332	502400	8995	0
38	90	10493	8599	9118	504920	8909	0
39	90	10505	8616	9594	503700	8848	0
40	90	10534	8703	8693	506020	8896	0
41	90	10308	8062	9280	501760	8812	0
42	89	10302	8298	8737	509940	9171	0
43	90	10308	8775	9186	501000	8823	0
44	90	10266	8329	8859	498760	8710	0
45	89	10225	8106	7408	503060	9117	0
46	90	10258	7607	8229	507700	8946	0
47	90	10268	7849	8660	506700	8838	0
48	88	10046	8071	8770	510300	9138	0
49	90	10342	8417	9189	495320	8737	0
50	91	10043	8123	8965	505420	8798	0
51	88	9876	7654	7744	510580	9115	0
52	89	9813	7692	8323	519960	9512	0

Hillrock S-14HU

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	1922	2063	Sandstone
Big Lime	2063	2101	2063	2101	Limestone
Big Injun	2101	2375	2101	2375	Sandstone
Weir	2375	2583	2375	2584	Sandstone
Berea	2583	2830	2584	2831	Sandstone
Gordon	2830	2955	2831	2956	Sandstone
Fifty Foot	2955	3494	2956	3495	Sandstone
Speechley	3494	4915	3495	4922	Sandstone
Benson	4915	5303	4922	5312	Sandstone
Alexander	5303	5883	5312	5894	Siltstone
Rhinestreet	5883	6319	5894	6332	Black shale
Middlesex	6319	6383	6332	6396	Black shale
Geneseo/Burkett	6383	6417	6396	6431	Black shale
Tully	6417	6453	6431	6467	Limestone
Hamilton	6453	6516	6467	6530	Grey shale
Marcellus	6516	6564	6530	6580	Black shale
Onondaga	6564	6795	6580	6811	Limestone
Oriskany	6795	6899	6811	6916	Sandstone
Heiderberg	6899	7267	6916	7293	Limestone
Salina	7267	8324	7293	8379	Salt/Anhydrite/LS
Lockport	8324	8696	8379	8760	Dolomite
Rose Hill	8696	8973	8760	9047	Shale
Packer Shell	8973	9179	9047	9260	Limestone
Clinton/Tuscarora	9179	9282	9260	9366	Sandstone
Juniata/Queenston	9282	10096	9366	10205	Red Shale
Reedsville	10096	11069	10205	11239	Grey Shale
Utica	11069	11332	11239	11690	Black Shale
Point Pleasant	11332	-	11690	-	Shale/Limestone

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/27/2020
Job End Date:	11/14/2020
State:	West Virginia
County:	Marshall
API Number:	47-051-02262-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Hillrock S 14HU
Latitude:	39.74579470
Longitude:	-80.77026200
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11,459
Total Base Water Volume (gal):	20,022,324
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	86.16500	None
Sand (40/70 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	10.53760	None
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	2.87901	None
Hydrochloric Acid (7.5%)	PVS	Acidizing	Water	7732-18-5	85.00000	0.25041	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.10900	None
StimStream FR 9800	Chemstream	Friction Reducer	Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01934	None
			Butene, homopolymer	9003-29-6	25.00000	0.01934	None
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00232	None
MC MX 9-4743	Multi-Chem	Biocide	Sodium Nitrate	7631-99-4	60.00000	0.02173	None
LD-7750W	Multi-Chem	Scale Inhibitor					

			Methanol	67-56-1	60.00000	0.00491	None
ProFE 105	ProFrac	Iron Control	Phosphonic Acid Salt	Proprietary	5.00000	0.00041	None
			Citric Acid	77-92-9	100.00000	0.00110	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	0.25041	
			Butene, homopolymer	9003-29-6	25.00000	0.01934	
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00232	
			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.

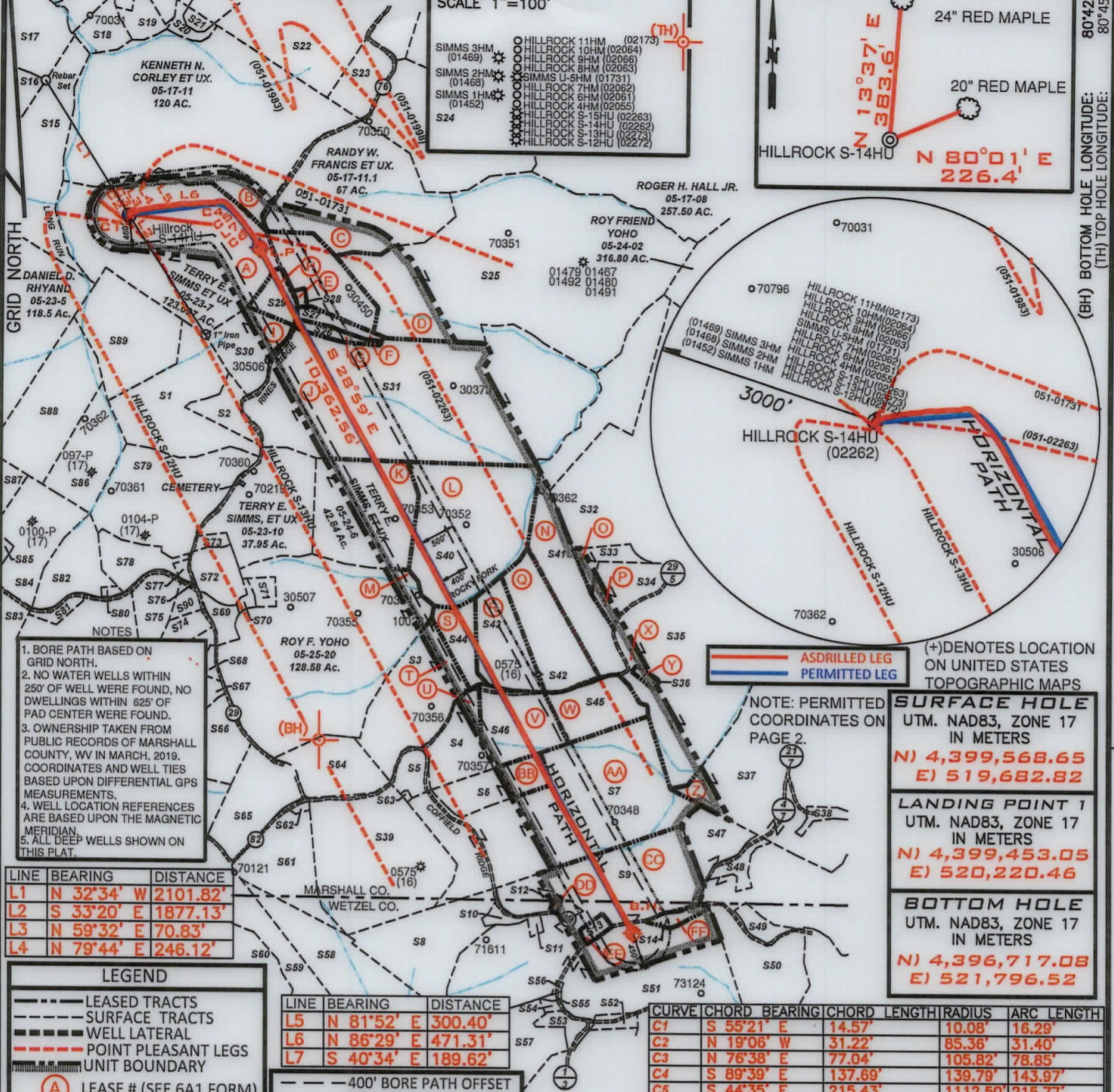
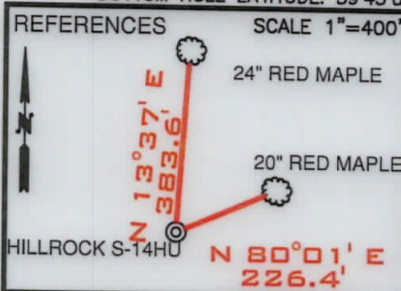
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

HILLROCK LEASE WELL S-14HU 635.5719± ACRES

DETAIL SKETCH "A" SCALE 1"=100'

SIMMS 3HM (01469)
SIMMS 2HM (01468)
SIMMS 1HM (01452)
S24

HILLROCK 11HM (02173)
HILLROCK 10HM (02064)
HILLROCK 9HM (02066)
HILLROCK 8HM (02065)
SIMMS U-SHM (01731)
HILLROCK 7HM (02062)
HILLROCK 6HM (02051)
HILLROCK 4HM (02055)
HILLROCK 6-15HU (02263)
HILLROCK 14HU (02262)
HILLROCK 13HU (02273)
HILLROCK 12HU (02272)



ASDRILLED LEG
PERMITTED LEG

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

NOTE: PERMITTED COORDINATES ON PAGE 2.

SURFACE HOLE
UTM. NAD83, ZONE 17 IN METERS
N) 4,399,568.65
E) 519,682.82

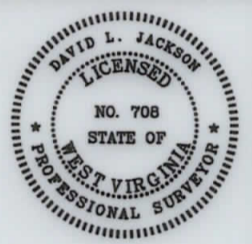
LANDING POINT 1
UTM. NAD83, ZONE 17 IN METERS
N) 4,399,453.05
E) 520,220.46

BOTTOM HOLE
UTM. NAD83, ZONE 17 IN METERS
N) 4,396,717.08
E) 521,796.52

FILE NUMBER _____
DRAWING NUMBER: HILLROCK_S-14HU_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

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

DATE: FEBRUARY 05, 2021
OPERATORS WELL NO. HILLROCK S-14HU
API WELL NO. 47-051-02262
STATE COUNTY PERMIT

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

LOCATION ELEVATION 1219.9' 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 X OTHER PHYSICAL CHANGE (SPECIFY) ASDRILLED
PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,535' TMD: 22,330'
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

form wwb

**HILLROCK LEASE
WELL S-14HU
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 T	05-25-01	Michael L. Mason	35.43
S4 U	05-25-13	William M. Ferda, Jr. & Stephanie Palicka	16.014
S5	05-25-13.2	David A. Klug	5.89
S6 BB	05-25-12.1	Kent & Betty Mason	15.0
S7 AA	05-25-12	Marion Parsons Jr., et al	85.16
S8	05-25-11.4	Edward W. & Dianna Klug	32.787
S9 CC	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 DD	12-03-47	Wetzel County Emergency Ambulance	0.50
S13 EE	12-03-43	Adam W. Ferrell & Brittany M. Loy	1.97
S14 FF	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 D	05-24-1	Linda L. Hendrickson & Donald Ray Pickering	175.0
S26 G	05-24-5.2	James D. Watkins, et ux	3.151
S27 F	05-24-5.1	James D. Watkins, et ux	4.60
S28 E	05-23-7.1	Lisa Ann Nelson	0.549
S29 H	05-23-7.2	Lisa Ann Nelson	6.354
S30 I	05-24-5.5	Linda Lou Tagg	17.194
S31 J	05-24-5	Robert C. Francis et ux (Life)	145.788
S32	05-24-3.2	T.H. Exploration II, LLC	49.0
S33 O	05-24-3.1	T.H. Exploration II, LLC	5.50
S34 P	05-25-2.2	John G. Klug, Sr. et ux	10.0
S35 X	05-25-2	James W. Klug	122.3
S36 Y	05-25-2.1	Nancy Jackson	1.0
S37 Z	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 L	05-24-04	Terry E. Simms, et ux	84.05
S41 N	05-25-1.4	Samantha J. & Philip A. Namlik	24.44
S42 Q	05-25-1.3	Michael E. & Annie A. Chapman	26.2
S43 R	05-25-1.2	William Jr. & Andrea J. Dubiel	20.10
S44 S	05-25-1.1	Ryan A. & Jacqueline E. Layman	9.79
S45 W	05-25-13.3	William M. Sr. & Cynthia A. Ferda	17.21

Number	TAX MAP-PARCEL	SURFACE OWNER	ACRES
S46 V	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	Collin 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) 4,399,569.81
E) 519,682.87

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,399,457.65
E) 520,214.48

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,717.09
E) 521,796.70



P.S. 708 *David L Jackson*

08/27/2021



**TUG HILL
OPERATING**

OPERATOR'S
WELL #: HILLROCK S-14HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API: 047-051-02262

WELL PLAT
PAGE 2 OF 3
DATE: 02/05/2021

**HILLROCK LEASE
WELL S-14HU
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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WELL #: HILLROCK S-14HU
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WELL PLAT
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