

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

API 47 - 103 - 03472 County Wetzel District Green
Quad Center Point Pad Name Hoge GRN WZ Field/Pool Name _____
Farm name WV DNR Public Lands Corp Well Number Hoge S GRN WZ 10H
Operator (as registered with the OOG) TRIBUNE RESOURCES, LLC
Address 3861 Ambassador Caffery Pkw City Lafayette State LA Zip 70503

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4370074.0 Easting 526144.6
Landing Point of Curve Northing 4370273.9 Easting 526619.3
Bottom Hole Northing 4367309.9 Easting 528398.7

Elevation (ft) 1,286.8' 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)
Surface – fresh water, 8.8 ppg, Intermediate – water based mud, 9.1 ppg, Vertical to KOP – water based mud, 9.4 ppg
Curve / Lateral – Synthetic Oil Based Mud, 12.8 to 13 ppg

Date permit issued 12/06/2021 Date drilling commenced 02/18/2022 Date drilling ceased 03/03/2022
Date completion activities began 06/04/2022 Date completion activities ceased 11/01/2022
Verbal plugging (Y/N) 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 536 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1316 Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed by:

APPROVED

WV Department of
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03/17/2023
Stevan M. [Signature]

API 47- 103 - 03472 Farm name WV DNR Public Lands Corp Well number Hoge S GRN WZ 10H

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	26"	20"	125'	New	J-55/98		Y
Surface	17-1/2"	13-3/8"	674'	New	J-55/54.5		Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3531'	New	J-55/40		Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"	5-1/2"	19500'	New	P-110/20		Y
Tubing							
Packer type and depth set							

Comment Details Full circulation and good returns on all strings and cement jobs.

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	Class A	188				Surface	8
Surface	HalCem	530	15.6	1.2	113 bbls	Surface	8
Coal							
Intermediate 1	HalCem	1030	15	1.38	253 bbls	Surface	8
Intermediate 2							
Intermediate 3							
Production	HalCem	4140	15.2	1.04	766 bbls	3500'	8
Tubing							

Drillers TD (ft) 19520' Loggers TD (ft) 19520' MD

Deepest formation penetrated Marcellus Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 7003'

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 _____

Surface - one every three joints.

Intermediate - one every three joints.

Production - one every three joints from TD to KOP, one every five joints from KOP 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 _____

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Stephany
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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>7223</u>	<u>TVD</u>	<u>7490</u> MD
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2528 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 14621 mcfpd Oil 38 bpd NGL 0 bpd Water 324 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)
	<u>0</u>		<u>0</u>		
Freshwater	<u>536</u>	Not Logged	<u>536</u>	Not Logged	
Pittsburgh Coal	<u>1066</u>	Not Logged	<u>1066</u>	Not Logged	
Saltwater	<u>1316</u>	N/A	<u>N/A</u>	<u>N/A</u>	
Big Injun	<u>2451</u>	<u>2662</u>	<u>2452</u>	<u>2663</u>	Sand/Shale, Saltwater
Berea	<u>3022</u>	<u>3046</u>	<u>3023</u>	<u>3047</u>	Sand/Shale, Saltwater
Gordon	<u>3243</u>	<u>3310</u>	<u>3244</u>	<u>3311</u>	Sand/Shale, oil and Saltwater
Middlesex	<u>7129</u>	<u>7247</u>	<u>7218</u>	<u>7391</u>	Shale/Organic Shale, Natural Gas and Salt Water
Geneseo	<u>7247</u>	<u>7284</u>	<u>7391</u>	<u>7460</u>	Organic Shale, Natural Gas and Salt Water
Tully	<u>7284</u>	<u>7300</u>	<u>7460</u>	<u>7495</u>	Limestone, Saltwater
Hamilton	<u>7300</u>	<u>7364</u>	<u>7495</u>	<u>7748</u>	Shale/Organic Shale, Natural Gas and Salt Water
Marcellus	<u>7364</u>	Not Reached	<u>7748</u>	Not Reached	Organic Shale, Natural Gas and Salt Water
Onondaga	Not Reached	Not Reached	Not Reached	Not Reached	Limestone, Natural Gas and Saltwater

Please insert additional pages as applicable.

Drilling Contractor H&P Drilling
Address 912 N Eagle Valley Rd City Howard State PA Zip 16841

Logging Company Schlumberger
Address 4600 J. Barry Ct., Ste. 200 City Canonsburg State OK Zip 15317

Cementing Company Halliburton
Address 1000 Noble Energy Dr City Canonsburg State PA Zip 15317

Stimulating Company Profrac
Address 800 Mountain Vw Dr City Smithfield State PA Zip 15478

Please insert additional pages as applicable.

Completed by Lee L. Lawson Telephone 337-769-0032
Signature _____ Title Regulatory/HSE Director Date 1-30-23

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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PERFORATION RECORD

Hoge 10H

Stage No.	Perforation Date	Perforated from (MD ft.)	Perforated to (MD ft.)	Number of Perforations	Formations
1	5/26/2022	19485	19285	36	Marcellus
2	6/7/2022	19245	19086	44	Marcellus
3	6/7/2022	19046	18887	44	Marcellus
4	6/8/2022	18847	18688	44	Marcellus
5	6/9/2022	18648	18498	44	Marcellus
6	6/9/2022	18449	18289	44	Marcellus
7	6/10/2022	18249	18090	44	Marcellus
8	6/14/2022	18050	17891	44	Marcellus
9	6/14/2022	17851	17692	44	Marcellus
10	6/15/2022	17652	17493	44	Marcellus
11	6/26/2022	17453	17293	44	Marcellus
12	6/26/2022	17254	17094	44	Marcellus
13	6/27/2022	17054	16895	44	Marcellus
14	6/27/2022	16855	16696	44	Marcellus
15	6/27/2022	16656	16497	44	Marcellus
16	6/27/2022	16457	16298	44	Marcellus
17	6/27/2022	16258	16098	44	Marcellus
18	6/27/2022	16059	15899	44	Marcellus
19	6/27/2022	15859	15700	44	Marcellus
20	6/28/2022	15660	15501	44	Marcellus
21	6/28/2022	15461	15302	44	Marcellus
22	6/28/2022	15262	15103	44	Marcellus
23	6/28/2022	15063	14904	44	Marcellus
24	6/29/2022	14864	14704	44	Marcellus
25	6/29/2022	14665	14505	44	Marcellus
26	6/30/2022	14465	14306	44	Marcellus
27	7/1/2022	14263	14107	44	Marcellus
28	7/2/2022	14063	13908	44	Marcellus
29	7/3/2022	13868	13713	44	Marcellus
30	7/3/2022	13669	13509	44	Marcellus
31	7/4/2022	13470	13310	44	Marcellus
32	7/5/2022	13270	13111	44	Marcellus
33	7/6/2022	13071	12912	44	Marcellus
34	7/7/2022	12872	12713	44	Marcellus
35	7/7/2022	12673	12514	44	Marcellus
36	7/8/2022	12474	12314	44	Marcellus
37	7/9/2022	12275	12115	44	Marcellus
38	7/9/2022	12075	11916	44	Marcellus
39	7/10/2022	11876	11717	44	Marcellus
40	7/11/2022	11677	11518	44	Marcellus
41	7/11/2022	11478	11319	44	Marcellus
42	7/12/2022	11279	11120	44	Marcellus

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528
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**PERFORATION RECORD
Hoge 10H**

Stage No.	Perforation Date	Perforated from (MD ft.)	Perforated to (MD ft.)	Number of Perforations	Formations
43	7/13/2022	11080	10920	44	Marcellus
44	7/13/2022	10881	10721	44	Marcellus
45	7/15/2022	10678	10522	44	Marcellus
46	7/15/2022	10482	10323	44	Marcellus
47	7/16/2022	10283	10124	44	Marcellus
48	7/16/2022	10084	9925	44	Marcellus
49	7/17/2022	9885	9725	44	Marcellus
50	7/18/2022	9686	9526	44	Marcellus
51	7/18/2022	9486	9327	44	Marcellus
52	7/19/2022	9287	9128	44	Marcellus
53	7/20/2022	9088	8929	44	Marcellus
54	7/20/2022	8889	8730	44	Marcellus
55	7/21/2022	8690	8530	44	Marcellus
56	7/22/2022	8491	8331	44	Marcellus
57	7/23/2022	8291	8132	44	Marcellus

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STIMULATION RECORD
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Stage No.	Stimulation Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	6/5/2022	89.5	8659	6799	402871	7233	N/A
2	6/6/2022	89.7	8076	6162	403025	7092	N/A
3	6/7/2022	90.3	7842	5781	400284	7409	N/A
4	6/8/2022	90.1	7876	5830	408500	7504	N/A
5	6/9/2022	88.7	8130	6225	401420	7432	N/A
6	6/10/2022	89.4	8162	5890	401680	7577	N/A
7	6/14/2022	90	8188	6612	395460	7416	N/A
8	6/14/2022	89.9	8036	6019	401180	7376	N/A
9	6/15/2022	88.6	8108	5880	403388	7434	N/A
10	6/16/2022	89.9	8005	6084	400453	7801	N/A
11	6/26/2022	90	7921	6455	401540	7480	N/A
12	6/26/2022	90	7912	6206	401340	7286	N/A
13	6/27/2022	89.8	7967	5961	400600	7291	N/A
14	6/27/2022	89.8	7905	6036	404050	7262	N/A
15	6/27/2022	89.7	8141	6207	402915	7297	N/A
16	6/27/2022	90.4	7815	5675	401017	7284	N/A
17	6/27/2022	90.3	8045	6295	401020	7323	N/A
18	6/27/2022	89.6	7927	6230	399500	7103	N/A
19	6/28/2022	89.9	7729	5959	401120	7320	N/A
20	6/28/2022	89.9	7943	6010	404820	7214	N/A
21	6/28/2022	89.7	8148	6324	401940	7311	N/A
22	6/28/2022	89.7	7827	6120	400082	7345	N/A
23	6/29/2022	89.5	8237	6430	402620	7267	N/A
24	6/29/2022	89.6	7688	6116	400560	7157	N/A
25	6/30/2022	89.5	7710	6404	402440	7322	N/A
26	7/1/2022	90.4	7914	6588	401700	7294	N/A
27	7/2/2022	89.8	7732	6367	401460	7137	N/A
28	7/3/2022	89.7	7863	6272	398520	7195	N/A
29	7/3/2022	89.7	7959	6700	405400	7224	N/A
30	7/4/2022	89.8	7673	6426	399160	7332	N/A
31	7/5/2022	90.3	7854	6625	400840	7112	N/A
32	7/5/2022	90.1	7742	6685	403244	7178	N/A
33	7/7/2022	90.2	7671	6786	402620	7267	N/A
34	7/7/2022	90.1	7830	6916	401972	7182	N/A
35	7/8/2022	90.1	7617	6409	399280	7192	N/A
36	7/9/2022	90.4	7572	6610	405212	7119	N/A
37	7/9/2022	90.6	7723	6816	399747	7167	N/A
38	7/10/2022	90.1	7725	6545	403320	7113	N/A
39	7/11/2022	90.1	7675	7287	401427	7082	N/A
40	7/11/2022	89.9	7749	7345	397924	7089	N/A
41	7/12/2022	90.3	7589	6712	403200	7152	N/A
42	7/13/2022	89.9	7525	6969	399546	6966.2	N/A
43	7/13/2022	89.9	7655	7099	400736	7008	N/A
44	7/14/2022	90.7	7528	7641	400871	7088	N/A
45	7/15/2022	90.2	7463	7195	403800	7024	N/A
46	7/16/2022	90.6	7482	7233	403085	7034	N/A
47	7/16/2022	90	7411	7447	402199	7089	N/A

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2/16/23

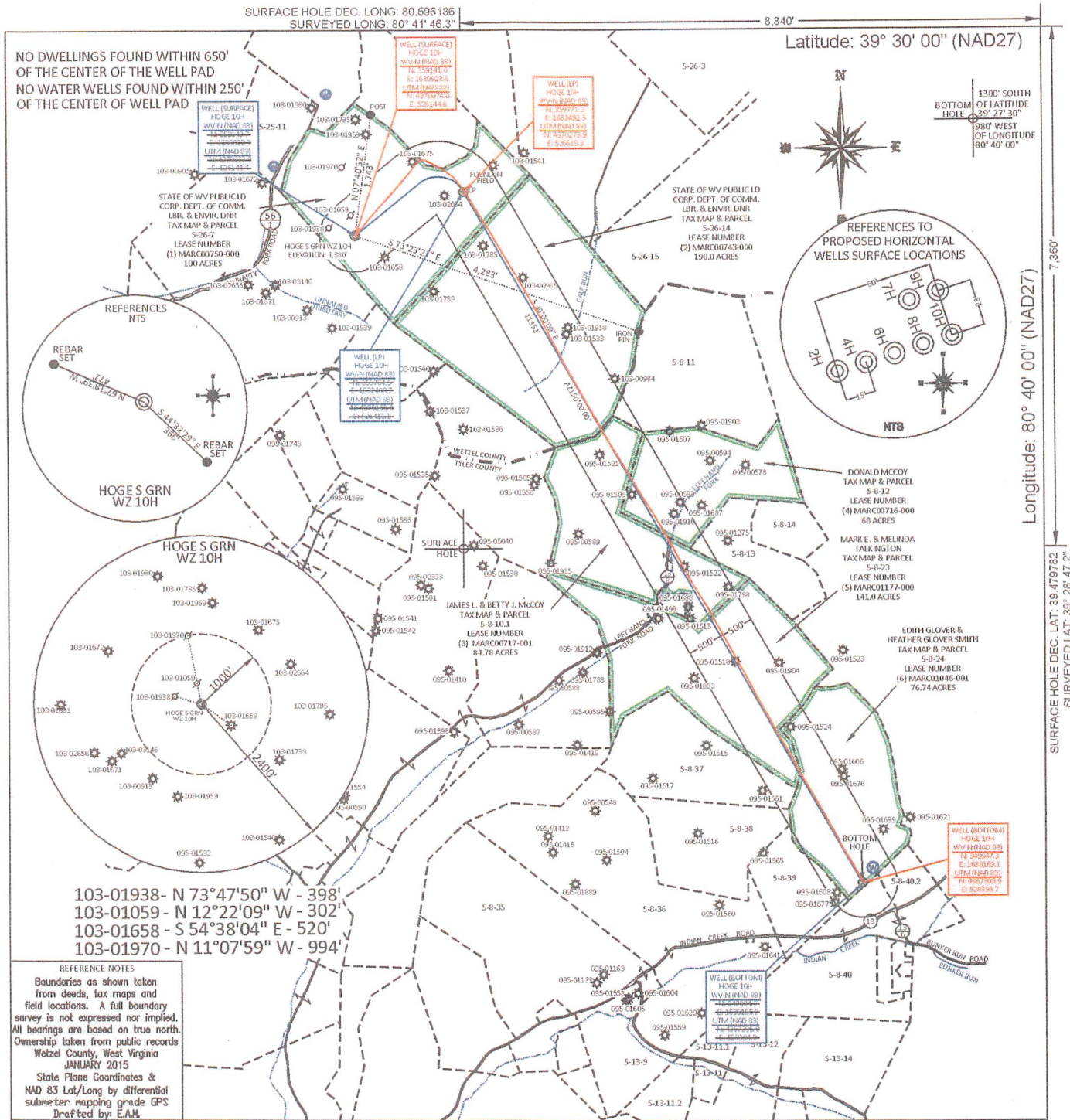
48	7/17/2022	89.7	7347	5668	404921	7098	N/A
49	7/18/2022	90.1	7610	7904	402269	8135	N/A
50	7/18/2022	89.1	7476	7362	402778	7031	N/A
51	7/19/2022	90	7495	6547	400820	6968	N/A
52	7/20/2022	90	7518	7219	398000	7020	N/A
53	7/20/2022	90.5	7459	6794	400080	7011	N/A
54	7/21/2022	90.4	7088	6066	400100	7000	N/A
55	7/22/2022	90.3	7132	7277	401860	7219	N/A
56	7/22/2022	91.2	7378	6338	399990	6885	N/A
57	7/23/2022	89.9	7061	6963	433216	7334	N/A

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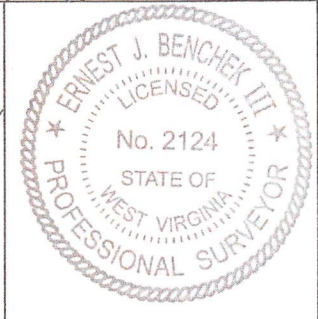


REFERENCE NOTES
 Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Wetzel County, West Virginia JANUARY 2015
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
 Drafted by: E.A.M.

FILE #: TRB1
 DRAWING #: 2517
 SCALE: PLAT - 1" = 2000'
TICK MARK - 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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: [Signature]
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304
 Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: FISHING CREEK
 COUNTY/DISTRICT: WETZEL / GREEN
 SURFACE OWNER: STATE OF WV PUBLIC LD CORP. DEPT. OF COMM. LBR & ENVIR. DNR
 OIL & GAS ROYALTY OWNER: STATE OF WV PUBLIC LD CORP. DEPT. OF COMM. LBR & ENVIR. DNR
 LEASE NUMBERS: _____

DATE: NOVEMBER 23, 2022
 OPERATOR'S WELL #: HOGES GRN WZ 10H
 API WELL #: 47 103 03472
 STATE COUNTY PERMIT

AS-BUILT ELEVATION: 1,379'
 QUADRANGLE: CENTER POINT, WV
 ACREAGE: 100.00 +/-
 ACREAGE: 660.52 +/-

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS
 WELL OPERATOR: TRIBUNE RESOURCES, LLC
 ADDRESS: 3861 AMBASSADOR CAFFERY PARKWAY SUITE 600
 CITY: LAFAYETTE STATE: LA ZIP CODE: 70503

DRILLED DEPTH: TVD: 7,450.5' TMD: 19,520'
 DESIGNATED AGENT: HARMAN BROWN
 ADDRESS: 18396 MOUNTAINEER HIGHWAY
 CITY: WILEYVILLE STATE: WV ZIP CODE: 26581

03/17/2023

SM 2/16/23

6/5/22 0-00
7/23/22 0-00
West Virginia
47-103-03472-0000
Hoge S GRN WZ 10H
No
-80.696013
39.479872
NA027
7.463
17,309.628



Additive	Specific Gravity	Additive Quantity	Mass (lbs)
Water	1.00	17,309.628	17,309.628
Hydrochloric Acid (3.5%)	1.04	0	0
Hydrochloric Acid (7.5%)	1.02	175.251	178.773
ProFib 100	1.05	943	990.150
ProFE 105	1.26	561	706.926
ProSlick 977	1.10	320	352.000
StimStream FR 9800	1.10	15,063	16,569.300
BioSuite GQ123x	1.02	4,351	4,437.420
ProCheck 170	1.00	1,776	1,776.000
Sand (100 Mesh Proppant)	2.65	8,608,466	22,812,434.900
Sand (40/70 White Proppant)	2.65	14,314,654	37,833,713.100

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)*	Mass per Component (LBS)	Maximum Ingredient Concentration in HF (% by mass)*	Comments	Claimant Company	Claimant First Name	Claimant Last Name	Claimant Email	Claimant Phone (min-nm-ann)
Water	Inhine	Carrier/Basic Fluid	Water	7732-18-5	100.00%	17,309.628	100.00%						
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00%	8,608,466	100.00%						
Sand (40/70 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00%	14,314,654	100.00%						
Hydrochloric Acid (3.5%)	CNR	Acidizing	Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00%	0	37.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
Hydrochloric Acid (7.5%)	CNR	Acidizing	Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00%	0	37.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
ProFib 100	CNR	Acid Inhibitor	Water	7732-18-5	85.00%	943	85.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
			2-Butoxyethanol	111-76-2	60.00%	0	60.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
			Proprietary non-ionic surfactant	68391-11-7	50.00%	0	50.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
			Proprietary corrosion inhibitor	9043-30-5	20.00%	0	20.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
			Proprietary ethoxylated alcohol	104-55-2	10.00%	0	10.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
			Proprietary ethoxylated alcohol	84133-50-6	10.00%	0	10.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
ProFE 105	CNR	Iron Control	Citric Acid	77-92-9	20.00%	0	20.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
			Acetic Acid	64-19-7	5.00%	0	5.00%		CNR	Gregg	Matusewitch	Gmatusewitch@coopermatur.com	346-808-8482
ProSlick 977	ProFrac	Friction Reducer	Petroleum distillates, hydrocracked light	64742-47-8	30.00%	320	30.00%		ProFrac			info@profrac.com	254-776-3722
			Ethoxylated Alcohol	64742-47-8	7.00%	0	7.00%		ProFrac			info@profrac.com	254-776-3722
			Ammonium chloride	64742-47-8	7.00%	0	7.00%		ProFrac			info@profrac.com	254-776-3722
BioSuite GQ123x	BioSuite	Biocide	Glutaral	111-30-8	15.00%	4,351	15.00%		BioSuite			info@biosuitegroup.com	713-849-5319
			Quaternary ammonium compounds, benzyl C12-16-allyldimethyl	69424-85-1	5.00%	0	5.00%		BioSuite			info@biosuitegroup.com	713-849-5319
ProCheck 170	ProFrac	Scale Inhibitor	Methyl alcohol	67-56-1	5.00%	1,776	5.00%		ProFrac			info@profrac.com	254-776-3722
StimStream FR 9800	Chemstream	Friction Reducer	Alkanes, C16-20-iso-	90622-58-6	25.00%	15,063	25.00%		Chemstream			info@profrac.com	412-999-2040
			Butene, homopolymer	9003-28-6	25.00%	0	25.00%		Chemstream			info@profrac.com	412-999-2040
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00%	0	3.00%		Chemstream			info@profrac.com	412-999-2040

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