

Well Operator's Report of Well Work



Office of Energy Services

APR 28 2022

WV Department of
Environmental Protection

Well Number: LIT53 9H (675543)

API: 47 - 103 - 03358

Submission: Initial Amended

Notes:

Reviewed

Kenneth Reynolds 8-22-2022

09/09/2022

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

API 47-103-03358 County Wetzel District Center
Quad Littleton Pad Name Prine Field/Pool Name N/A
Farm name Howard M. Henderson Well Number LIT53 9H (675543)
Operator (as registered with the OOG) EQT Production Company
Address 2400 Ansys Drive, 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 4,391,206.36 Easting 536,563.38
Landing Point of Curve Northing 4,391,667.53 Easting 536,876.25
Bottom Hole Northing 4,394,524.83 Easting 533,931.17

Elevation (ft) 1336' 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)

Synthetic Oil Based Mud 13.65 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

8/03/2021
Date permit issued 03/03/2021 Date drilling commenced 11/02/2020 Date drilling ceased 04/25/2021
Date completion activities began 10/05/2021 Date completion activities ceased 02/02/2022
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 134 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1967,2101 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 833,1062,1171 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by: _____

09/09/2022

API 47- 103 - 03358 Farm name Howard M. Henderson Well number LIT53 9H (675543)

CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft	Basket Depth(s) (GL)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	26"	40'	NEW	A-500 85.6#	N/A	Y
Surface	17-1/2"	13-3/8"	1306'	NEW	J-55 68#	804'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2871'	NEW	P-110 40#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	21,639'	NEW	P-110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1321' GL, which is greater than 500' TVD above the producing formation. No issues during cement job.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (GL)	WOC (hrs)
Conductor	CLASS A	83	15.6	1.18	98	0	8+
Surface	CLASS A	1097	16.0	1.13	1240	0	8
Coal							
Intermediate 1	CLASS A	930	15.6	1.18	1051	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4185	15.2	1.15	4938	1321	8+
Tubing							

Drillers TD (ft) 21,656' Loggers TD (ft) N/A
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 1365'

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

CONDUCTOR- NONE
 SURFACE- ON SHOE TRACK AND EVERY 500' TO SURFACE
 INTERMEDIATE: ON SHOE TRACK AND EVERY 500' FEET TO SURFACE
 PRODUCTION: ON SHOE TRACK AND EVERY JOINT TO 2130'

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 _____

API 47- 103 - 03358 Farm name Howard M. Henderson Well number LIT53 9H (675543)

Drilling Contractor Falcon (Rig 25)
Address 1120 US-119 City Indiana State PA Zip 15701

Logging Company Scientific Drilling International
Address 124 Vista Drive City Charleroi State PA Zip 15022

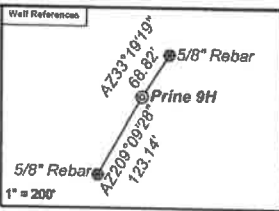
Logging Company GyroData
Address 73 Noblestown Road City Carnegie State PA Zip 15106

Stimulating Company Evolution Well Services
Address 1780 Hughes Landing Blvd City The Woodlands State TX Zip 77380

Well # Prine 9H (675543) Final Formations API# 47-103-03358				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	830	830
Waynesburg	830	830	833	833
Sand/Shale	833	833	1,050	1,050
Sewickley	1,050	1,050	1,054	1,054
Sand/Shale	1,054	1,054	1,147	1,147
Pittsburgh	1,147	1,147	1,154	1,154
Sand/Shale	1,154	1,154	2,412	2,411
Big Lime	2,412	2,411	2,523	2,521
Big Injun	2,523	2,521	2,790	2,787
Weir	2,790	2,787	3,190	3,185
Gordon	3,190	3,185	3,407	3,398
Baynard	3,407	3,398	5,846	5,651
Alexander	5,846	5,651	6,289	6,054
Elks	6,289	6,054	7,345	7,026
Sonyea	7,345	7,026	7,531	7,186
Middlesex	7,531	7,186	7,582	7,226
Genesee	7,582	7,226	7,701	7,308
Geneseo	7,701	7,308	7,739	7,331
Tully	7,739	7,331	7,784	7,356
Hamilton	7,784	7,356	8,156	7,480
Marcellus	8,156	7,480	21,656	7,491

09/09/2022

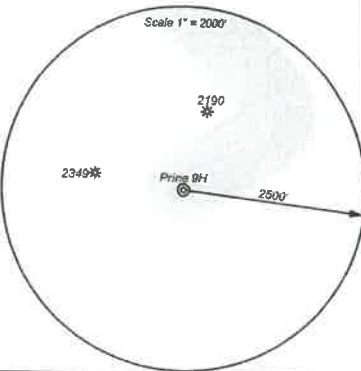
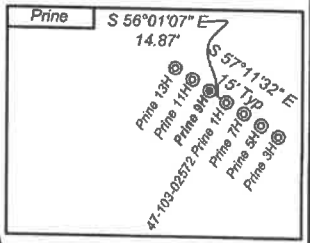
**Prine 9H
LIT53
EQT Production Company**



As Drilled Well Information:
 Prine 9H coordinates are
 NAD 27 N: 427,877.81 E: 1,697,707.59
 NAD 83 UTM N: 4,391,206.36 E: 536,563.38
 Prine 9H Kick Out Point coordinates are
 NAD 27 N: 427,874.06 E: 1,697,708.08
 NAD 83 UTM N: 4,391,205.22 E: 536,563.55
 Prine 9H Landing Point coordinates are
 NAD 27 N: 425,373.91 E: 1,698,759.44
 NAD 83 UTM N: 4,391,667.53 E: 536,876.25
 Prine 9H Bottom Hole coordinates are
 NAD 27 N: 438,911.60 E: 1,689,251.75
 NAD 83 UTM N: 4,394,624.83 E: 533,931.17
 West Virginia Coordinate system of 1927 (North Zone)
 based upon Differential GPS Measurements.
 Plat orientation, corner and well ties are based upon
 the grid north meridian.
 Well location references are based upon the grid north
 meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	8	43	Wetzel	Center	Howard M. Henderson	112.00
2	8	44	Wetzel	Center	William D. Henderson	65.00
3	8	45	Wetzel	Center	Howard Henderson	3.50
4	8	91.1	Wetzel	Center	Howard Henderson	18.43
5	8	31	Wetzel	Center	Howard Henderson	64.78
6	8	29	Wetzel	Center	Howard M. & William D. Henderson	87.00
7	8	28	Wetzel	Center	Marlow J. Rice	108.00
8	8	27	Wetzel	Center	Even H. & Janet L. Backinger	1.80
9	8	26	Wetzel	Center	Even H. & Janet L. Backinger	0.25
10	8	24	Wetzel	Center	Charles P. & Franzy P. Wade	19.44
11	8	25	Wetzel	Center	Even H. & Janet L. Backinger	0.44
12	8	17	Wetzel	Center	Even H. & Janet L. Backinger	04.00
13	8	7	Wetzel	Center	EQT Production Company	160.00
14	8	2	Wetzel	Center	EQT Production Company	72.43
15	8	1	Wetzel	Center	EQT Production Company	81.50
16	5	23	Wetzel	Center	Robert Long, et al.	172.50
17	5	14	Wetzel	Center	Benjamin E. Yarber	224.00
18	11	8	Wetzel	Center	Howard M. Henderson	19.10
19	11	8	Wetzel	Center	James B. & Margie L. Montgomery	52.00
20	11	8.1	Wetzel	Center	Larry L. & Lois J. Deem	94.50
21	11	6	Wetzel	Center	Ray S. & Timmy R. Sapp	60.50
22	11	6.2	Wetzel	Center	Roger L. & Sandra K. Wade	4.00
23	8	42	Wetzel	Center	Jeffrey P. & Howard M. Henderson	87.00
24	8	55	Wetzel	Center	Ashley Murphy, et al.	0.43
25	8	47	Wetzel	Center	Howard M. Henderson	14.78
26	8	46	Wetzel	Center	Howard M. Henderson	13.20
27	8	53	Wetzel	Center	Ashley Murphy, et al.	20.58
28	8	30	Wetzel	Center	Howard M. Henderson	18.00
29	8	52	Wetzel	Center	Howard Henderson	42.05
30	8	50	Wetzel	Center	Ashley Murphy, et al.	47.25
31	8	11	Wetzel	Center	Howard M. Henderson	91.50
32	8	8	Wetzel	Center	Lillian M. Pitzer & Jason L. Wright	57.00
33	8	40.1	Wetzel	Center	Robert E. Dorsey, Sr	38.00
34	6	21	Wetzel	Center	Charles P. & Franzy P. Wade	3.00
35	8	22	Wetzel	Center	William R. White	0.68
36	8	23	Wetzel	Center	William R. White, et al.	0.56
37	8	20	Wetzel	Center	William R. White	2.87
38	8	18.1	Wetzel	Center	Keneath R. Morris, et al.	0.10
39	8	18	Wetzel	Center	William R. White	1.00
40	8	18	Wetzel	Center	William R. White	0.56
41	8	16	Wetzel	Center	Even H. & Janet L. Backinger	79.30
42	8	36	Wetzel	Center	Kenneth J. Hollobaugh	87.00
43	8	6	Wetzel	Center	David Woods	44.00
44	8	3.1	Wetzel	Center	Dallans Lumber Inc	15.00
45	8	3	Wetzel	Center	Howard M. Henderson	36.00
46	5	24	Wetzel	Center	EQT Production Company	12.50
47	6	15	Wetzel	Center	Howard M. Henderson	220.00
48	5	22	Wetzel	Center	Alma Ross Inc	103.73
49	4	53	Wetzel	Center	James L. Mcgraves, et al	127.72
50	5	21	Wetzel	Center	Susan Miller, et al.	89.75
51	5	13	Wetzel	Center	Susan Miller, et al.	80.06
52	5	2	Wetzel	Center	Susan Miller, et al.	40.00
53	5	3.1	Wetzel	Center	Larry G. & Jane L. Rine	88.90
54	6	3.2	Wetzel	Center	Larry G. & Jane L. Rine	62.40
55	5	4	Wetzel	Center	William E. Renner	148.54

Lease No.	Owner	Acres
870415	Howard Henderson, et al.	189
870525	Nancy E. Joffiffe, et al.	5.5
870424	Nancy E. Joffiffe	26
870258	Glen E. Burnette, Jr., et al.	59
870417	Sherry Lynn Chefen, et al.	108
1018014	Dorothy L. Barrett, et al.	2,237.5
1044156	Dorothy L. Barrett, et al.	0.25
1044935	Margaret D. Sole, et al.	19.44
870395	Brian R. Morgan, et al.	170
870035	Stone Hill Minerals Holdings, L.L.C. et al.	150
877947	EQT Production Company, et al.	222
870368	Sandra Estes, et al.	81.5 & 12.5 of 288.54
871183	Oakey Ray Long & Joyce Lee Long, et al.	172.5
1032919	Benjamin Yarber, et al.	136,595,184 of 224
870186	Carol Louise Saunik Eltringham	57



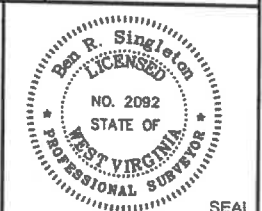
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route



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.

Bruce R. Singleton

P.S. 2092



FILE NO: 289-16
 DRAWING NO: Prine 9H
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORs Station

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

DATE: April 26 20 21
 OPERATOR'S WELL NO.: Prine 9H
 API WELL NO
 47 - 103 - 03358
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1335' WATERSHED Tributary of Bear Run QUADRANGLE: Littleton

DISTRICT: Center COUNTY: Wetzel

SURFACE OWNER: Howard M. Henderson ACREAGE: 112

ROYALTY OWNER: Jamie Joe Prine, et al. LEASE NO: 870370 ACREAGE: 111

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,489'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280
 Canonsburg, PA 15317 Bridgeport, WV 26330

09/09/2022

Perforation Data

Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	10/06/2021	21541.0	21380	36	Marcellus
3	10/08/2021	21362.0	21201	36	Marcellus
4	10/09/2021	21179.0	21022	36	Marcellus
5	10/09/2021	21001.0	20823	40	Marcellus
6	10/10/2021	20805.0	20624	40	Marcellus
7	10/10/2021	20606.0	20425	40	Marcellus
8	10/11/2021	20407.0	20226	40	Marcellus
9	10/12/2021	20204.0	20027	40	Marcellus
10	10/12/2021	20009.0	19828	40	Marcellus
11	10/13/2021	19810.0	19629	40	Marcellus
12	10/14/2021	19610.0	19430	40	Marcellus
13	10/14/2021	19409.0	19231	40	Marcellus
14	10/14/2021	19212.0	19032	40	Marcellus
15	10/15/2021	19014.0	18833	40	Marcellus
16	10/15/2021	18815.0	18634	40	Marcellus
17	10/16/2021	18618.0	18435	40	Marcellus
18	10/16/2021	18412.0	18236	40	Marcellus
19	10/17/2021	18218.0	18037	40	Marcellus
20	10/17/2021	18019.0	17838	40	Marcellus
21	10/17/2021	17820.0	17639	40	Marcellus
22	10/18/2021	17621.0	17440	40	Marcellus
23	10/18/2021	17422.0	17241	40	Marcellus
24	10/18/2021	17223.0	17042	40	Marcellus
25	10/19/2021	17024.0	16843	40	Marcellus
26	10/19/2021	16825.0	16644	40	Marcellus
27	10/20/2021	16623.6	16445	40	Marcellus
28	10/21/2021	16427.0	16246	40	Marcellus
29	10/21/2021	16228.0	16047	40	Marcellus
30	10/22/2021	16022.5	15848	40	Marcellus
31	10/23/2021	15830.0	15649	40	Marcellus
32	10/23/2021	15614.0	15435	40	Marcellus
33	10/24/2021	15427.4	15251	40	Marcellus
34	10/24/2021	15233.0	15052	40	Marcellus
35	10/25/2021	15028.6	14853	40	Marcellus
36	10/26/2021	14832.9	14654	40	Marcellus
37	10/26/2021	14636.0	14455	40	Marcellus
38	10/27/2021	14437.0	14256	40	Marcellus
39	10/28/2021	14233.3	14057	40	Marcellus
40	10/29/2021	14039.0	13858	40	Marcellus
41	10/30/2021	13840.0	13659	40	Marcellus
42	10/30/2021	13636.9	13460	40	Marcellus
43	10/30/2021	13442.0	13261	40	Marcellus

44	10/31/2021	13243.0	13062	40	Marcellus
45	10/31/2021	13041.9	12863	40	Marcellus
46	10/31/2021	12842.7	12664	40	Marcellus
47	10/31/2021	12646.0	12365	40	Marcellus
48	11/01/2021	12446.5	12266	40	Marcellus
49	11/05/2021	12242.0	12067	40	Marcellus
50	11/05/2021	12049.0	11868	40	Marcellus
51	11/06/2021	11846.0	11669	40	Marcellus
52	11/06/2021	11651.0	11470	40	Marcellus
53	11/07/2021	11450.0	11271	40	Marcellus
54	11/07/2021	11253.0	11072	40	Marcellus
55	11/08/2021	11050.0	10873	40	Marcellus
56	11/08/2021	10855.0	10674	40	Marcellus
57	11/09/2021	10652.0	10475	39	Marcellus
58	11/09/2021	10456.0	10276	40	Marcellus
59	11/10/2021	10254.0	10077	40	Marcellus
60	11/10/2021	10056.0	9878	40	Marcellus
61	11/10/2021	9859.0	9679	40	Marcellus
62	11/10/2021	9660.0	9480	40	Marcellus
63	11/11/2021	9460.0	9281	40	Marcellus
64	11/11/2021	9261.0	9082	40	Marcellus
65	11/11/2021	9062.0	8883	40	Marcellus
66	11/11/2021	8864.0	8684	40	Marcellus
67	11/11/2021	8664.0	8485	40	Marcellus
68	11/11/2021	8464.0	8286	40	Marcellus
69	11/11/2021	8267.0	8087	40	Marcellus

Stimulation Data

Stage #	Stimulation 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)
1	10/06/2021	49	9166	7771	3844	176058	4691	
2	10/08/2021	92	9327	6291	4829	396360	10739	
3	10/09/2021	90	9197	5866	4526	396487	9441	
4	10/09/2021	90	9080	5421	4791	396752	9052	
5	10/10/2021	99	9222	5790	5112	440009	10596	
6	10/10/2021	92	9277	5813	5251	440004	11767	
7	10/11/2021	92	9289	5288	5136	440472	10158	
8	10/12/2021	94	9337	5839	5146	440236	10185	
9	10/12/2021	96	9396	5787	4766	440110	10112	
10	10/13/2021	97	9402	5672	4599	440186	10046	
11	10/14/2021	98	9391	5575	5230	440207	10046	
12	10/14/2021	97	9287	5483	4829	440015	10104	
13	10/14/2021	99	9367	5440	4834	440014	10132	
14	10/15/2021	99	9322	5346	4454	440029	10036	
15	10/15/2021	98	9208	5348	4728	440139	10305	
16	10/15/2021	99	9301	5222	4896	440259	10564	
17	10/16/2021	100	9354	5385	5035	440077	10050	
18	10/16/2021	100	9352	5545	5027	440163	10008	
19	10/17/2021	100	9146	5322	4975	440020	10081	
20	10/17/2021	100	9260	5423	5279	440385	10105	
21	10/17/2021	100	9326	5446	5358	440058	9889	
22	10/18/2021	97	9200	5401	5275	440054	10011	
23	10/18/2021	100	9225	5564	3738	440101	9861	
24	10/19/2021	99	9296	5472	5660	440054	9968	
25	10/19/2021	96	9185	5710	4909	440143	10001	
26	10/20/2021	100	9198	5621	4822	440001	9965	
27	10/21/2021	100	9305	5706	4759	440046	9929	
28	10/21/2021	98	9296	5778	5726	440140	9841	
29	10/22/2021	97	9215	6008	5770	440855	10516	
30	10/23/2021	98	9271	5894	5689	440954	9962	
31	10/23/2021	99	9279	6142	4865	440473	9899	
32	10/24/2021	96	9154	6148	5101	438787	9861	
33	10/24/2021	95	9279	6340	5244	440099	9916	
34	10/25/2021	97	9242	6352	5906	440067	9847	
35	10/26/2021	98	9317	6691	6059	440320	9866	
36	10/26/2021	96	9366	6526	5839	440082	9813	
37	10/27/2021	97	9295	6915	5544	440002	9892	
38	10/28/2021	97	9269	7111	5620	440414	9866	
39	10/29/2021	100	9237	6544	5190	440113	9835	
40	10/30/2021	99	9329	6651	5247	440101	9860	
41	10/30/2021	99	9242	6643	6119	440425	9819	
42	10/30/2021	100	9157	5652	5495	440405	9676	

43	10/31/2021	86	9353	5755	5533	440265	9648
44	10/31/2021	100	9122	6078	5851	440328	9699
45	10/31/2021	100	9157	6330	5602	440357	9682
46	10/31/2021	100	9295	6027	5123	440162	9650
47	11/01/2021	101	9172	6140	4807	440365	9616
48	11/04/2021	100	9115	6676	4640	441284	9667
49	11/05/2021	100	9068	5756	6400	440589	9678
50	11/06/2021	100	9038	5813	4456	440233	9586
51	11/06/2021	98	8783	5643	4890	440007	9601
52	11/07/2021	99	8761	5746	5097	440451	9580
53	11/07/2021	100	8947	5570	4920	440119	9552
54	11/08/2021	100	8771	5678	4951	440406	9599
55	11/08/2021	100	8573	4968	4905	440363	9587
56	11/09/2021	100	8922	5684	5214	440519	9609
57	11/09/2021	100	8638	5101	4829	440004	9556
58	11/10/2021	98	9115	5613	4938	440366	9602
59	11/10/2021	100	8663	5414	5733	440367	9614
60	11/10/2021	100	8483	5304	4404	440384	9555
61	11/10/2021	100	8440	5498	5218	440004	9573
62	11/11/2021	100	8235	5325	5857	440189	9526
63	11/11/2021	100	8226	5414	4989	440155	9601
64	11/11/2021	100	8437	5428	4932	440352	9617
65	11/11/2021	100	8464	5643	4678	440339	9552
66	11/11/2021	100	8083	5580	5004	440100	9490
67	11/11/2021	100	8173	5638	4566	440126	9481
68	11/11/2021	99	8054	5678	5680	440008	9568
69	11/11/2021	100	8355	5916	5610	440009	9495

Hydraulic Fracturing Fluid Product Component Information Disclosure



Job Start Date:	10/5/2021
Job End Date:	1/4/2022
State:	West Virginia
County:	Wetzel
API Number:	47-103-03358-00-00
Operator Name:	EQT Production
Well Name and Number:	Prine 9H
Latitude:	39.66989230
Longitude:	-80.57370170
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,519
Total Base Water Volume (gal):	28,362,390
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	EQT	Carrier/Base Fluid	Water	7732-18-5	100.00000	88.59908	None
Sand (Proppant)	EQT	Proppant					
Clearal 268	ChemStream	Bioicide	Silica Substrate	14808-60-7	100.00000	11.22238	None
Clearal 268	ChemStream	Bioicide	Non-hazardous substances	Proprietary	80.00000	0.00895	None
StmSTREAM SC-398	ChemStream	Scale Inhibitor	Non-hazardous substances	Proprietary	90.00000	0.00757	None
FR-9800	ChemStream	Friction Reducer	Non-hazardous substances	Proprietary	30.00000	0.00744	None
FR-9800	ChemStream	Friction Reducer	Copolymer of 2-propenamide	Proprietary	20.00000	0.00330	None
HCl	Beusa Holdings, Inc. dba Evolution Well Services Operating, LLC.	Acid	Petroleum Distillate	64742-47-8	15.00000	0.00162	None
Clearal 268	ChemStream	Bioicide	Hydrogen Chloride	7647-01-0	20.00000	0.00056	None
			Glutaraldehyde	111-30-8			

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.					
Propylene Glycol Solution	Downing	None			
Plexhib 166	Evolution	Acid Corrosion Inhibitor	Methanol	67-56-1	90.00000
					0.00017None
StimSTREAM SC-398	ChemStream	Scale Inhibitor			
Ferplex 66	Evolution	Iron Control			
FR-9800	ChemStream	Friction Reducer	Acetic Acid	000064-19-7	50.00000
					0.00004None
FR-9800	ChemStream	Friction Reducer	Alcohols, C12-16, ethoxylated	68551-12-2	2.00000
					0.00003None
Ferplex 66	Evolution	Iron Control	Oleic Acid Diethanolamide	93-83-4	2.00000
					0.00003None
Clearal 268	ChemStream	Bicide	Quaternary Ammonium Compounds	68424-85-1	3.00000
					0.00001None
Clearal 268	ChemStream	Bicide	Didecyl dimethyl ammonium chloride	7173-51-5	3.00000
					0.00001None
FR-9800	ChemStream	Friction Reducer	Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000
					0.00001None
Clearal 268	ChemStream	Bicide	Ethanol	64-17-5	1.50000
					0.00000None
Plexhib 166	Evolution	Acid Corrosion Inhibitor	Propargyl alcohol	107-19-7	5.00000
					0.00000None
Plexhib 166	Evolution	Acid Corrosion Inhibitor	Alcohols, C14-C15, ethoxylated	68951-67-7	7.00000
					0.00000None

** 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)



April 30, 2021

Matthew Hardt
11306 Clubhouse Rd
Presto, PA 15142

Mr. Hardt,

Please find enclosed a mylar copy of the Prine 9H As Drilled plat.

Thanks,

Ben Singleton

BIRCH RIVER OFFICE
237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606 fax: 304-649-8608

BRIDGEPORT OFFICE
172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035 fax: 304-848-5037

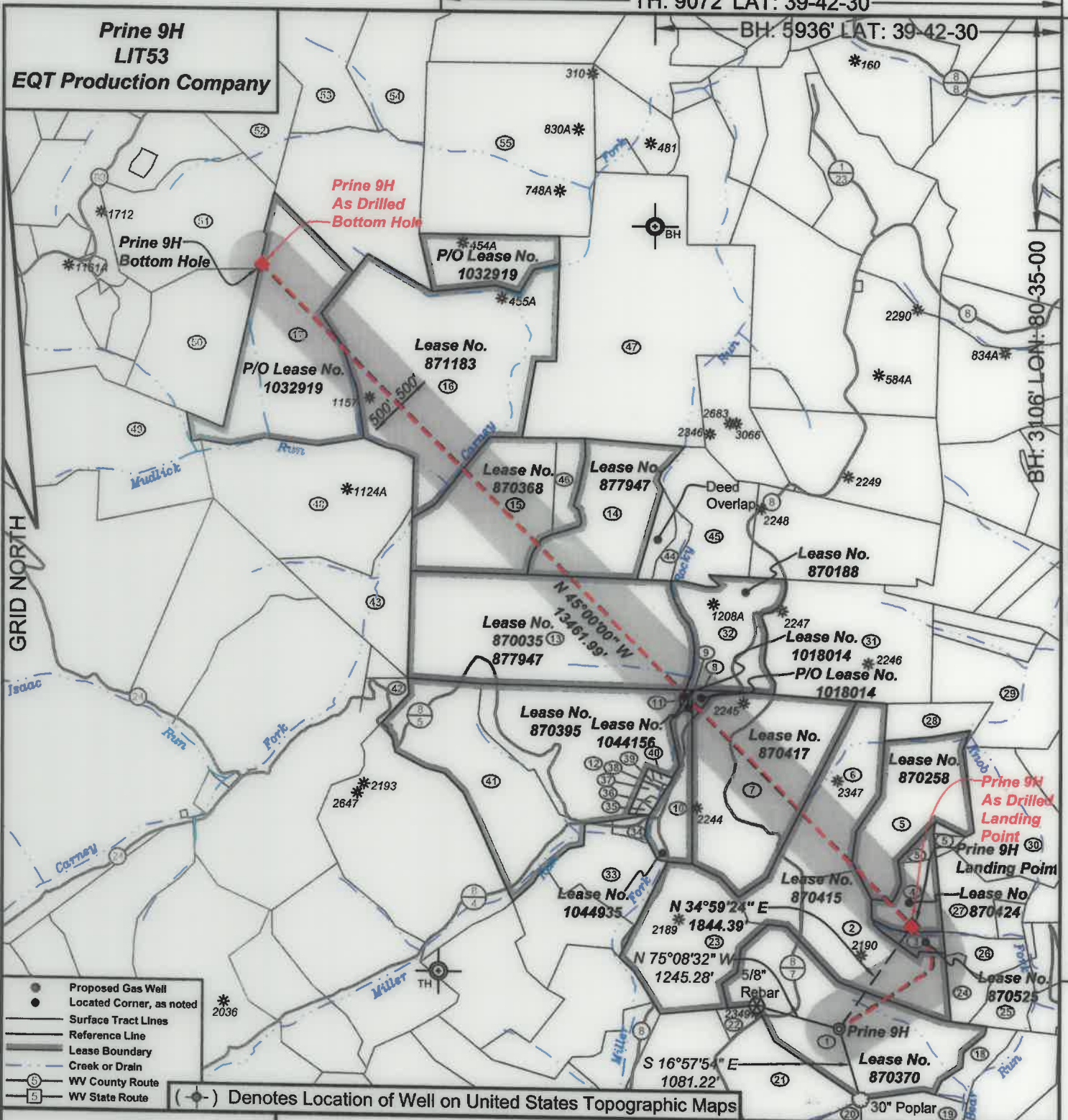
CHARLESTON OFFICE
301 RHL Boulevard - Suite 5
Charleston, WV 25309
phone: 304-756-2949 fax: 304-756-2948

TH: 9072' LAT: 39-42-30

BH: 5936' LAT: 39-42-30

BH: 3106' LON: 80-35-00

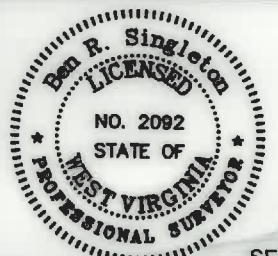
TH: 14032' LON: 80-32-30



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.

Ben R. Singleton

P.S. 2092



SEAL

FILE NO: 289-16
 DRAWING NO: Prine 9H
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

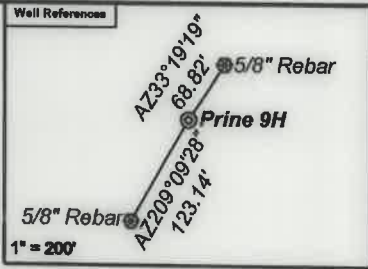
DATE: April 26 20 21
 OPERATOR'S WELL NO.: Prine 9H
 API WELL NO
 47 - 103 - 03358
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1335' WATERSHED Tributary of Bear Run QUADRANGLE: Littleton
 DISTRICT: Center COUNTY: Wetzel
 SURFACE OWNER: Howard M. Henderson ACREAGE: 111
 ROYALTY OWNER: Jamie Joe Prine, et al. LEASE NO: 870370 ACREAGE: 111
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,489'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280
 Canonsburg, PA 15317 Bridgeport, WV 26330

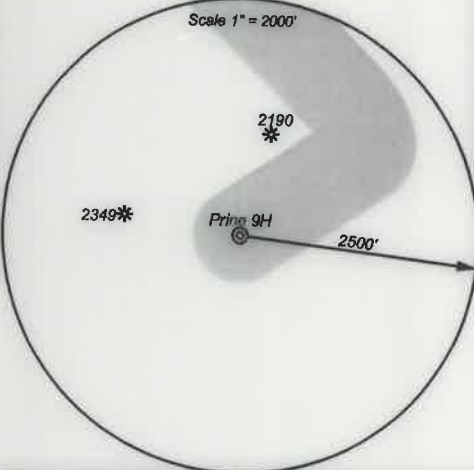
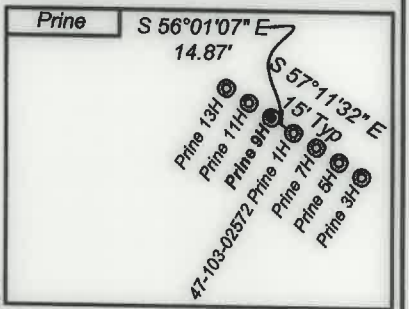
**Prine 9H
LIT53
EQT Production Company**

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	8	43	Wetzel	Center	Howard M. Henderson	112.00
2	8	44	Wetzel	Center	William D. Henderson	65.00
3	8	45	Wetzel	Center	Howard Henderson	5.50
4	8	31.1	Wetzel	Center	Howard Henderson	18.43
5	8	31	Wetzel	Center	Howard Henderson	64.76
6	8	29	Wetzel	Center	Howard M. & William D. Henderson	57.00
7	8	28	Wetzel	Center	Matthew J. Rice	108.00
8	8	27	Wetzel	Center	Evan H. & Janet L. Backinger	1.80
9	8	26	Wetzel	Center	Evan H. & Janet L. Backinger	0.25
10	8	24	Wetzel	Center	Charles P. & Franny P. Wade	19.44
11	8	25	Wetzel	Center	Evan H. & Janet L. Backinger	0.44
12	8	17	Wetzel	Center	Evan H. & Janet L. Backinger	91.00
13	8	7	Wetzel	Center	EQT Production Company	150.00
14	8	2	Wetzel	Center	EQT Production Company	72.43
15	8	1	Wetzel	Center	EQT Production Company	81.50
16	5	23	Wetzel	Center	Robert Long, et al.	172.50
17	5	14	Wetzel	Center	Benjamin E. Yarber	224.00
18	11	9	Wetzel	Center	Howard M. Henderson	10.10
19	11	8	Wetzel	Center	James B. & Margie L. Montgomery	52.00
20	11	6.1	Wetzel	Center	Larry L. & Lois J. Deem	94.50
21	11	6	Wetzel	Center	Ray S. & Timmy R. Sepp	90.50
22	11	6.2	Wetzel	Center	Roger L. & Sandra K. Wade	4.00
23	8	42	Wetzel	Center	Jeffrey P. & Howard M. Henderson	67.00
24	8	55	Wetzel	Center	Ashley Murphy, et al.	9.43
25	8	47	Wetzel	Center	Howard M. Henderson	14.75
26	8	46	Wetzel	Center	Howard M. Henderson	13.20
27	8	53	Wetzel	Center	Ashley Murphy, et al.	20.38
28	8	30	Wetzel	Center	Howard M. Henderson	18.00
29	8	12	Wetzel	Center	Howard Henderson	42.65
30	8	59	Wetzel	Center	Ashley Murphy, et al.	47.25
31	8	11	Wetzel	Center	Howard M. Henderson	91.50
32	8	8	Wetzel	Center	Lillian M. Pitzer & Jason L. Wright	57.00
33	8	40.1	Wetzel	Center	Robert E. Dorsey, Sr.	38.00
34	8	21	Wetzel	Center	Charles P. & Franny P. Wade	3.00
35	8	22	Wetzel	Center	William R. White	0.68
36	8	23	Wetzel	Center	William R. White, et al.	0.58
37	8	20	Wetzel	Center	William R. White	2.87
38	8	18.1	Wetzel	Center	Kenneth R. Morris, et al.	0.10
39	8	18	Wetzel	Center	William R. White	1.00
40	8	19	Wetzel	Center	William R. White	0.56
41	8	16	Wetzel	Center	Evan H. & Janet L. Backinger	79.30
42	8	36	Wetzel	Center	Kenneth J. Hollobaugh	87.00
43	8	6	Wetzel	Center	David Wood	44.00
44	8	3.1	Wetzel	Center	Dallison Lumber Inc	15.66
45	8	3	Wetzel	Center	Howard M. Henderson	38.00
46	5	24	Wetzel	Center	EQT Production Company	12.50
47	5	15	Wetzel	Center	Howard M. Henderson	228.00
48	5	22	Wetzel	Center	Mike Ross Inc	103.76
49	4	52	Wetzel	Center	James L. Musgrave, et al.	127.72
50	5	21	Wetzel	Center	Susan Miller, et al.	80.25
51	5	13	Wetzel	Center	Susan Miller, et al.	80.00
52	6	2	Wetzel	Center	Susan Miller, et al.	40.00
53	5	3.1	Wetzel	Center	Larry G. & Jana L. Rine	68.60
54	5	3.2	Wetzel	Center	Larry G. & Jana L. Rine	82.40
55	5	4	Wetzel	Center	William E. Renner	149.54



As Drilled Well Information:
Prine 9H coordinates are
 NAD 27 N: 427,877.81 E: 1,697,707.59
 NAD 83 UTM N: 4,391,206.36 E: 536,563.38
Prine 9H Kick Out Point coordinates are
 NAD 27 N: 427,874.06 E: 1,697,708.08
 NAD 83 UTM N: 4,391,205.22 E: 536,563.55
Prine 9H Landing Point coordinates are
 NAD 27 N: 429,373.91 E: 1,698,759.44
 NAD 83 UTM N: 4,391,667.53 E: 536,876.25
Prine 9H Bottom Hole coordinates are
 NAD 27 N: 438,911.60 E: 1,689,251.75
 NAD 83 UTM N: 4,394,524.83 E: 533,931.17
 West Virginia Coordinate system of 1927 (North Zone)
 based upon Differential GPS Measurements.
 Plat orientation, corner and well ties are based upon
 the grid north meridian.
 Well location references are based upon the grid north
 meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

Lease No.	Owner	Acres
870415	Howard Henderson, et al.	189
870525	Nancy E. Jolliffe, et al.	5.5
870424	Nancy E. Jolliffe	26
870258	Glen E. Burnette, Jr., et al.	59
870417	Sherry Lynn Chefred, et al.	108
1018014	Dorothy L. Barrett, et al.	2.2375
1044156	Dorothy L. Barrett, et al.	0.25
1044935	Margaret D. Sole, et al.	19.44
870395	Brian R. Morgan, et al.	170
870035	Stone Hill Minerals Holdings, LLC, et al.	150
877947	EQT Production Company, et al.	222
870368	Sandra Estes, et al.	81.5 & 12.5 of 288.54
871183	Oakey Ray Long & Joyce Lee Long, et al.	172.5
1032919	Benjamin Yarber, et ux.	136.595184 of 224
870188	Carol Louise Saunik Eltringham	57



- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- Ⓢ WV County Route
- Ⓢ WV State Route



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.

Ben R. Singleton
 P.S. 2092



FILE NO: 289-16
 DRAWING NO: Prine 9H
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
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