

Well Operator's Report of Well Work



Well Number: Haggard 8H (L003870)

API: 47 - 103 - 03430

Submission: Initial Amended

Notes: Original

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024

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

API 47 - 103 - 03430 County Wetzel District Center
Quad Littleton Pad Name Haggard Field/Pool Name N/A
Farm name Amie Lee Henderson Well Number Haggard 8H (L003870)
Operator (as registered with the OOG) EQT Production Company
Address 400 Woodcliff Drive 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 4,389,460.196 Easting 532,590.256
Landing Point of Curve Northing 4,389,042.909 Easting 532,458.055
Bottom Hole Northing 4,384,494.370 Easting 534,786.033

Elevation (ft) 1519' 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 13.42 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

Date permit issued 11/02/2022 Date drilling commenced 03/27/2023 Date drilling ceased 11/09/2023
Date completion activities began 01/08/2024 Date completion activities ceased 04/10/2024
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 437 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2194 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1307,1429 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

RECEIVED
Office of Oil and Gas
JUL 08 2024

WV Department of
Environmental Protection

Reviewed by: [Signature]
08/16/2024

API 47- 103 - 03430 Farm name Amie Lee Henderson Well number Haggard 8H (L003870)

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"	1458'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2895'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	6"	24,960'	NEW	P-110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1059' 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 L	1242	16.0	1.09	1354	0	8
Coal							
Intermediate 1	CLASS L	1024	15.6	1.14	1167	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4125	15.0	1.19	4909	1059'	8+
Tubing							

Drillers TD (ft) 24,977' Loggers TD (ft) N/A
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure _____

Kick off depth (ft) 3,199'

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 OTHER JOINT TO 8140' AND EVERY JOINT TO 2164' _____

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 _____

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

APPROVED

08/16/2024

API 47- 103 - 03430 Farm name Amie Lee Henderson Well number Haggard 8H (L003870)

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)
See	Attached	*						

Please insert additional pages as applicable.

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024 

API 47- 103 - 03430 Farm name Amie Lee Henderson Well number Haggard 8H (L003870)

PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 3635 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
10361 mcfpd 25 bpd 0 bpd 143 bpd 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		

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

Please insert additional pages as applicable.

Drilling Contractor Patterson UTI (Rig 292)
Address 207 Carlton Dr City Eighty Four State PA Zip 15330

Logging Company Baker Hughes
Address 400 Technology Dr Suite 100 City Canonsburg State PA Zip 15317

Cementing Company Halliburton
Address 121 Champion Way Suite 110 City Canonsburg State PA Zip 15317

Cementing Company Universal Pressure Pumping, Inc.
Address 13549 S. Moisertown Road City Meadville State PA Zip 16335

Please insert additional pages as applicable.

Completed by Adam Hughey Telephone 724-579-5475
Signature _____ Title Director of Completions Date 2024-06-27

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

08/16/2024

API 47- 103 - 03430 Farm name Amie Lee Henderson Well number Haggard 8H (L003870)

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

Drilling Contractor _____
Address _____ City _____ State _____ Zip _____

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

Well # HAGGARD 8H (L003870) Final Formations API# 47-103-03430				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	1,307	1,307
Sewickley Coal	1,307	1,307	1,310	1,310
Sand/Shale	1,310	1,310	1,429	1,429
Pittsburgh Coal	1,429	1,429	1,438	1,438
Sand/Shale	1,438	1,438	2,771	2,771
Big Injun	2,771	2,771	2,896	2,896
Sand/Shale	2,896	2,896	3,045	3,045
Berea	3,045	3,045	3,286	3,286
Sand/Shale	3,286	3,286	3,404	3,404
Gantz	3,404	3,404	3,537	3,537
Sand/Shale	3,537	3,537	3,559	3,558
Fifty foot	3,559	3,558	3,597	3,596
Sand/Shale	3,597	3,596	3,643	3,642
Thirty foot	3,643	3,642	3,664	3,663
Sand/Shale	3,664	3,663	3,711	3,709
Bayard	3,711	3,709	3,803	3,800
Sand/Shale	3,803	3,800	4,155	4,142
Upper Speechley	4,155	4,142	4,216	4,201
Speechley	4,216	4,201	4,300	4,281
Balltown	4,300	4,281	4,630	4,598
Bradford	4,630	4,598	5,773	5,692
Benson	5,773	5,692	6,110	6,012
Alexander	6,110	6,012	6,569	6,451
Elk	6,569	6,451	7,331	7,185
Sonyea	7,331	7,185	7,500	7,336
Middlesex	7,500	7,336	7,553	7,380
Genesee	7,553	7,380	7,660	7,459
Geneseo	7,660	7,459	7,706	7,489
Tully	7,706	7,489	7,742	7,511
Hamilton	7,742	7,511	7,996	7,619
Marcellus	7,996	7,619	24,977	7,663

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024 

Perforation Data

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024

Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	02/27/2024	24871	24689	40	Marcellus
3	02/28/2024	24670	24489	40	Marcellus
4	02/28/2024	24470	24288	40	Marcellus
5	02/28/2024	24269	24088	40	Marcellus
6	02/29/2024	24069	23887	40	Marcellus
7	02/29/2024	23868	23687	40	Marcellus
8	02/29/2024	23668	23486	40	Marcellus
9	02/29/2024	23467	23286	40	Marcellus
10	03/01/2024	23267	23085	40	Marcellus
11	03/01/2024	23066	22885	40	Marcellus
12	03/01/2024	22866	22684	40	Marcellus
13	03/01/2024	22665	22484	40	Marcellus
14	03/01/2024	22465	22283	40	Marcellus
15	03/01/2024	22264	22083	40	Marcellus
16	03/02/2024	22064	21882	40	Marcellus
17	03/02/2024	21863	21682	40	Marcellus
18	03/02/2024	21663	21481	40	Marcellus
19	03/02/2024	21462	21281	40	Marcellus
20	03/02/2024	21262	21080	40	Marcellus
21	03/03/2024	21061	20880	40	Marcellus
22	03/03/2024	20861	20679	40	Marcellus
23	03/03/2024	20660	20479	40	Marcellus
24	03/03/2024	20460	20278	40	Marcellus
25	03/03/2024	20259	20078	40	Marcellus
26	03/03/2024	20059	19877	40	Marcellus
27	03/04/2024	19858	19677	40	Marcellus
28	03/04/2024	19658	19476	40	Marcellus
29	03/04/2024	19457	19276	40	Marcellus
30	03/04/2024	19257	19075	40	Marcellus
31	03/04/2024	19056	18875	40	Marcellus
32	03/05/2024	18856	18674	40	Marcellus
33	03/05/2024	18655	18474	40	Marcellus
34	03/05/2024	18455	18273	40	Marcellus
35	03/06/2024	18254	18073	40	Marcellus
36	03/06/2024	18054	17872	40	Marcellus
37	03/06/2024	17853	17672	40	Marcellus
38	03/06/2024	17653	17471	40	Marcellus
39	03/06/2024	17452	17271	40	Marcellus
40	03/07/2024	17252	17070	40	Marcellus
41	03/07/2024	17051	16870	40	Marcellus
42	03/07/2024	16851	16669	40	Marcellus
43	03/07/2024	16650	16469	40	Marcellus
44	03/07/2024	16450	16268	40	Marcellus

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024

45	03/08/2024	16249	16068	40	Marcellus
46	03/08/2024	16049	15867	40	Marcellus
47	03/08/2024	15848	15667	40	Marcellus
48	03/08/2024	15648	15466	40	Marcellus
49	03/09/2024	15447	15266	40	Marcellus
50	03/09/2024	15247	15065	40	Marcellus
51	03/09/2024	15046	14865	40	Marcellus
52	03/09/2024	14846	14664	40	Marcellus
53	03/09/2024	14645	14464	40	Marcellus
54	03/10/2024	14445	14263	40	Marcellus
55	03/10/2024	14244	14063	40	Marcellus
56	03/10/2024	14044	13862	40	Marcellus
57	03/11/2024	13843	13662	40	Marcellus
58	03/11/2024	13643	13461	40	Marcellus
59	03/11/2024	13442	13261	40	Marcellus
60	03/11/2024	13242	13060	40	Marcellus
61	03/12/2024	13041	12860	40	Marcellus
62	03/12/2024	12841	12659	40	Marcellus
63	03/12/2024	12640	12459	40	Marcellus
64	03/13/2024	12440	12258	40	Marcellus
65	03/13/2024	12239	12058	40	Marcellus
66	03/13/2024	12039	11857	40	Marcellus
67	03/14/2024	11838	11657	40	Marcellus
68	03/14/2024	11638	11456	40	Marcellus
69	03/14/2024	11437	11256	40	Marcellus
70	03/15/2024	11237	11055	40	Marcellus
71	03/15/2024	11036	10855	40	Marcellus
72	03/15/2024	10836	10654	40	Marcellus
73	03/16/2024	10635	10454	40	Marcellus
74	03/16/2024	10435	10253	40	Marcellus
75	03/16/2024	10234	10053	40	Marcellus
76	03/17/2024	10034	9852	40	Marcellus
77	03/17/2024	9833	9652	40	Marcellus
78	03/17/2024	9633	9451	40	Marcellus
79	03/18/2024	9432	9251	40	Marcellus
80	03/18/2024	9232	9050	40	Marcellus
81	03/18/2024	9031	8850	40	Marcellus
82	03/18/2024	8831	8649	40	Marcellus
83	03/19/2024	8630	8449	40	Marcellus
84	03/19/2024	8430	8248	40	Marcellus
85	03/19/2024	8229	8048	40	Marcellus

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

Stimulation Data

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024

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	02/28/2024	82	9107	6197	3424	175973	3828	
2	02/28/2024	99	8933	6923	4651	439987	10382	
3	02/28/2024	98	8640	6605	4662	440126	10363	
4	02/29/2024	100	8827	6574	5050	439988	10266	
5	02/29/2024	97	8956	6473	5218	440017	10273	
6	02/29/2024	97	8450	6563	3085	440039	10258	
7	02/29/2024	98	8858	6446	3195	440068	10301	
8	03/01/2024	99	9098	6210	3349	440080	10256	
9	03/01/2024	92	9268	6511	3217	439987	10248	
10	03/01/2024	98	8991	6491	3232	440032	10230	
11	03/01/2024	99	8868	6472	3366	440078	10260	
12	03/01/2024	99	8623	5920	3188	440110	10204	
13	03/02/2024	99	9060	6469	4698	440015	10253	
14	03/02/2024	99	9033	6037	3208	439959	10245	
15	03/02/2024	100	8976	6927	4935	440023	10204	
16	03/02/2024	100	8666	6552	3270	439962	10198	
17	03/02/2024	100	8758	6369	3347	440128	10181	
18	03/03/2024	99	8998	6006	4532	440146	10192	
19	03/03/2024	100	8970	6175	3274	440006	10161	
20	03/03/2024	99	9008	6048	3350	439984	10155	
21	03/03/2024	100	8978	6633	3307	440062	10128	
22	03/03/2024	100	8621	6081	3209	440310	10130	
23	03/03/2024	100	8512	6310	3334	440037	10132	
24	03/04/2024	100	9001	6157	3379	440016	10135	
25	03/04/2024	99	9001	5996	3413	440009	10098	
26	03/04/2024	98	8940	5959	4729	440008	10097	
27	03/04/2024	97	8447	6072	3299	439984	10098	
28	03/04/2024	100	8630	6097	3415	440062	10078	
29	03/05/2024	99	8998	5905	3514	440028	10098	
30	03/05/2024	98	8944	6560	3460	440024	10066	
31	03/05/2024	99	8937	6307	3405	440037	10066	
32	03/05/2024	100	8918	6412	4357	440062	10046	
33	03/06/2024	99	8619	6323	4564	435412	10313	
34	03/06/2024	99	8931	6369	4378	439923	10046	
35	03/06/2024	99	8479	6739	4305	440103	10040	
36	03/06/2024	98	8673	6653	4596	439913	10027	
37	03/07/2024	97	8568	6925	4449	440061	10017	
38	03/07/2024	98	8625	6463	4324	440388	10039	
39	03/07/2024	100	8709	7184	4768	439928	10043	
40	03/07/2024	100	8727	6419	4466	440074	9984	
41	03/07/2024	100	8399	6355	4584	440058	10004	
42	03/07/2024	100	8692	6438	4263	440302	9986	
43	03/08/2024	100	8740	6548	3450	440325	9987	

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024

44	03/08/2024	100	8851	5944	4812	440389	9959
45	03/08/2024	100	8671	6159	4834	440395	9958
46	03/08/2024	100	8508	6422	4809	429947	10115
47	03/09/2024	97	8220	6577	4712	440157	9995
48	03/09/2024	67	9172	6356	4260	440165	9942
49	03/09/2024	96	8640	6320	4387	440005	9940
50	03/09/2024	99	8444	6511	4583	440015	9903
51	03/09/2024	98	8580	6313	4627	440108	9901
52	03/10/2024	97	8543	6903	4669	440112	9912
53	03/10/2024	98	8417	6665	4781	440135	9960
54	03/10/2024	98	8393	6656	4743	439984	9897
55	03/10/2024	100	8441	6822	4452	440667	9911
56	03/11/2024	99	8623	6929	4766	440011	9879
57	03/11/2024	99	8570	6659	4266	440074	9878
58	03/11/2024	99	8621	6833	4572	440054	9862
59	03/12/2024	98	8339	6919	4496	440191	9867
60	03/12/2024	99	8395	6684	4848	440470	9848
61	03/12/2024	99	8364	6497	4578	440114	9850
62	03/13/2024	96	8542	6676	4432	440418	9856
63	03/13/2024	99	8459	7616	4426	440165	9819
64	03/13/2024	98	8287	6749	4448	440082	9818
65	03/13/2024	93	8759	6611	4693	440108	9800
66	03/14/2024	100	8382	6639	4356	440293	9840
67	03/14/2024	99	8483	8165	4464	439085	9763
68	03/14/2024	99	8461	7364	4476	440068	9778
69	03/15/2024	91	8876	6865	4256	438188	10691
70	03/15/2024	96	8670	7404	4569	440131	9804
71	03/16/2024	100	8249	6698	4593	440227	9801
72	03/16/2024	100	8248	6797	4178	440250	9778
73	03/16/2024	99	7830	7036	4292	440118	9765
74	03/17/2024	100	8277	7029	3076	440215	9764
75	03/17/2024	98	8056	6731	4276	440340	9786
76	03/17/2024	100	8405	7058	4374	440053	9770
77	03/17/2024	100	8158	6777	4225	440203	9739
78	03/18/2024	100	8029	6934	4266	440253	9733
79	03/18/2024	100	8131	7020	4423	440246	9749
80	03/18/2024	101	8083	6838	4520	440110	9710
81	03/18/2024	100	8257	0	4711	440207	9705
82	03/19/2024	100	8332	6629	4181	440342	9719
83	03/19/2024	100	7827	6664	4652	440188	9748
84	03/19/2024	101	7834	6485	4125	440095	9692
85	03/19/2024	101	7902	6621	4859	440053	9689

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	01/08/2024
Job End Date:	03/20/2024
State:	West Virginia
County:	Wetzel
API Number:	47-103-03430-00-00
Operator Name:	EQT Production
Well Name and Number:	Haggard 8H
Latitude:	39.65432
Longitude:	-80.62011
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7691
Total Base Water Volume (gal)*:	35448420
Total Base Non Water Volume:	0



Water Source	Percent
--------------	---------

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	88.71523	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	11.13473	None
Clearal 268	ChemStream	Biocide					
			Non-hazardous substances	Proprietary	80.00000	0.00898	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Copolymer of 2-propenamide	Proprietary	30.00000	0.00864	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Non-hazardous substances	Proprietary	90.00000	0.00710	None
StimSTREAM	ChemStream	Friction					

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024

FR 9800		Reducer					
			Petroleum Distillate	64742-47-8	20.00000	0.00384	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Synthetic Acid					
			Proprietary	Proprietary	20.00000	0.00122	None
Clearal 268	ChemStream	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00056	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Synthetic Acid					
			Proprietary	Proprietary	10.00000	0.00030	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid) (BHMT)	34690-00-1	10.00000	0.00010	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Oleic Acid Diethanolamide	93-83-4	2.00000	0.00004	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00004	None
Clearal 268	ChemStream	Biocide					
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00001	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Ammonium chloride (NH ₄ Cl)	12125-02-9	1.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Ethanol	64-17-5	1.50000	0.00000	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

* Total Water Volume sources may include various types of water including fresh water, produced water, and 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.

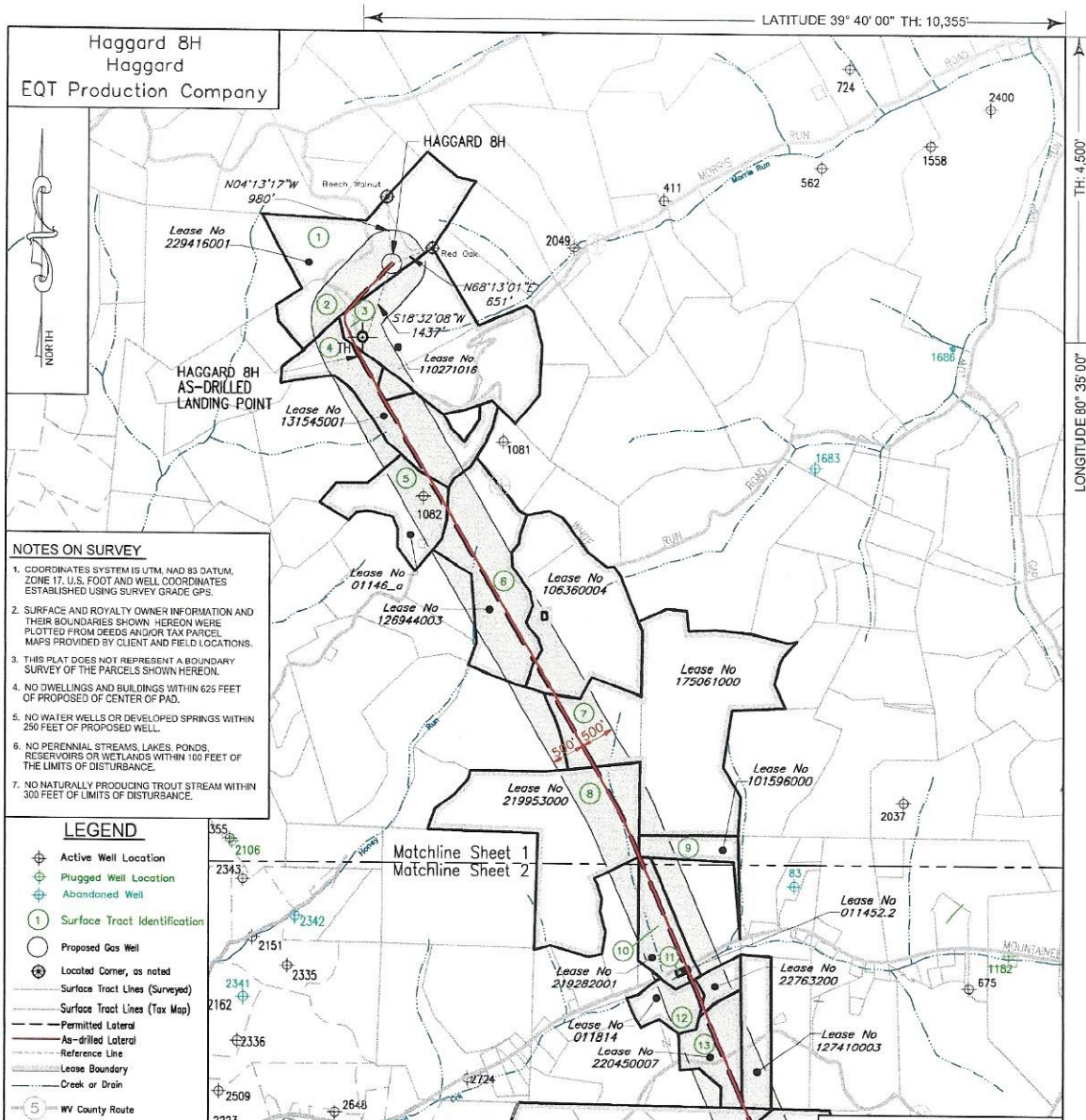
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

RECEIVED
Office of Oil and Gas

JUL 08 2024

WV Dept of
Environmental Protection

08/16/2024



- NOTES ON SURVEY**
1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
 5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

- LEGEND**
- Active Well Location
 - Plugged Well Location
 - Abandoned Well
 - Surface Tract Identification
 - Proposed Gas Well
 - Located Corner, as noted
 - Surface Tract Lines (Surveyed)
 - Surface Tract Lines (Tax Map)
 - Permitted Lateral
 - As-Drilled Lateral
 - 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.

L.L. Rowe
L. L. S. 2394



FILE NO: W2175 (BK 59-37)
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

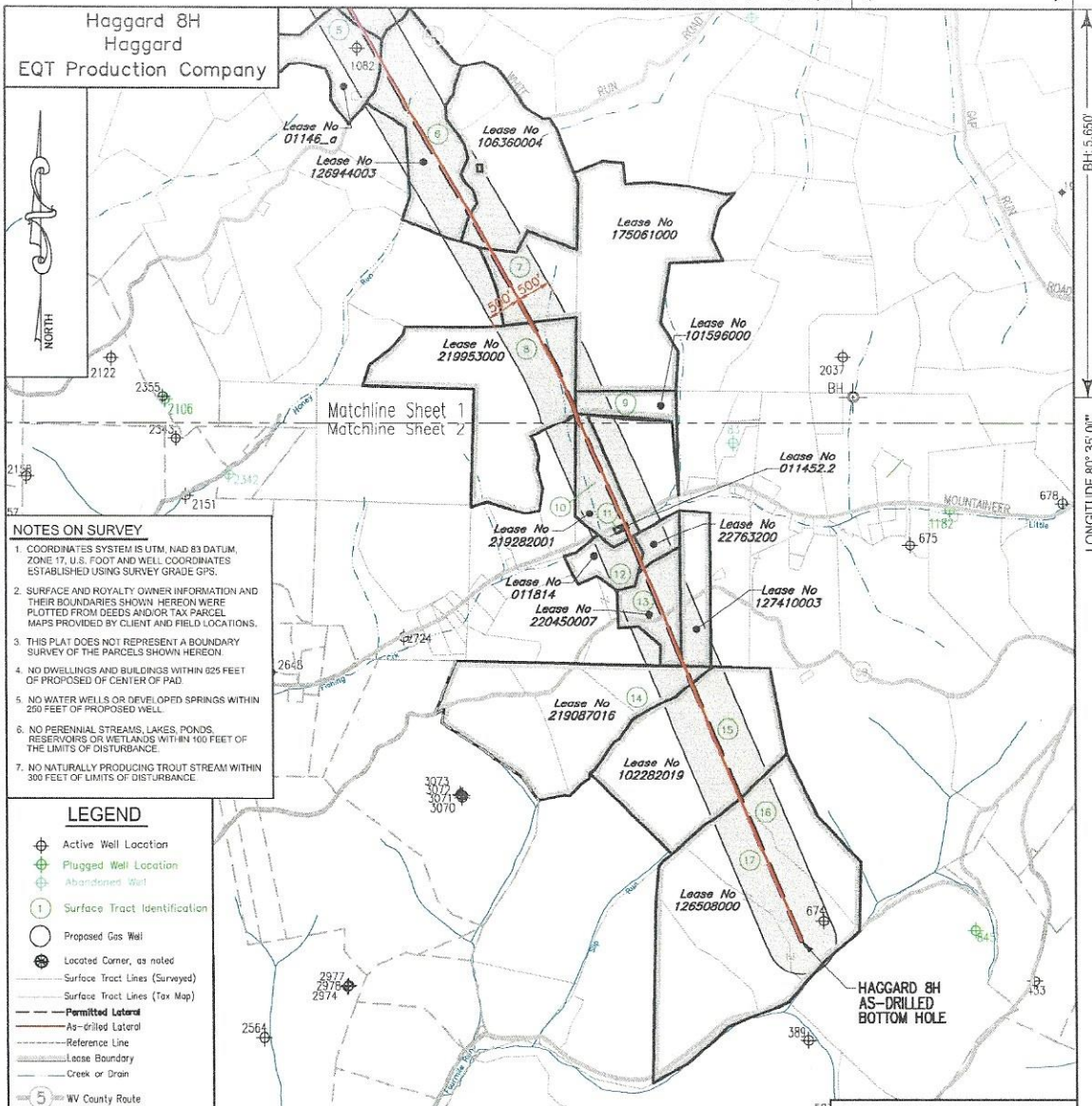


DATE: NOVEMBER 15, 20 23
OPERATORS WELL NO: Haggard 8H
API WELL NO: 47 - 103 - 03430
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
DISTRICT: Center COUNTY: Wetzel
SURFACE OWNER: Amie Lee Henderson ACREAGE: 45.5 ±
ROYALTY OWNER: Blackrock Enterprises LLC, et al. LEASE NO: 229416001 ACREAGE: 84.94 ±
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: 7,619'
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

08/16/2024



NOTES ON SURVEY

- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 825 FEET OF PROPOSED OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

LEGEND

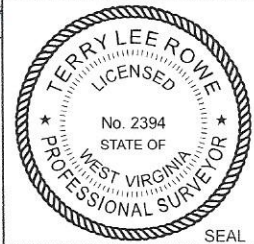
- Active Well Location
- Plugged Well Location
- Abandoned Well
- Surface Tract Identification
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines (Surveyed)
- Surface Tract Lines (Tax Map)
- Permitted Lateral
- As-drilled Lateral
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

(- φ -) Denotes Location of Well on United States Topographic Maps



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.

T. L. S. 2394
L. L. S. 2394



FILE NO: W2175 (BK 59-37)
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: NOVEMBER 15, 20 23
OPERATORS WELL NO: Haggard 8H
API WELL NO
47 - 103 - 03430
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
DISTRICT: Center COUNTY: Wetzel

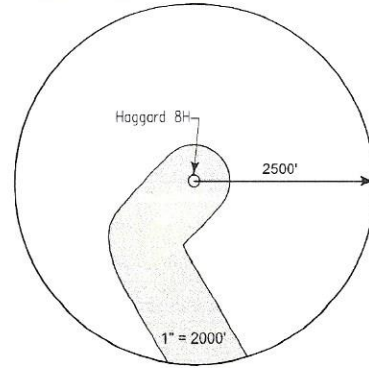
SURFACE OWNER: Amie Lee Henderson ACREAGE: 45.5 ±
ROYALTY OWNER: Blackrock Enterprises LLC, et al. LEASE NO: 229416001 ACREAGE: 84.94 ±

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: 7,619'

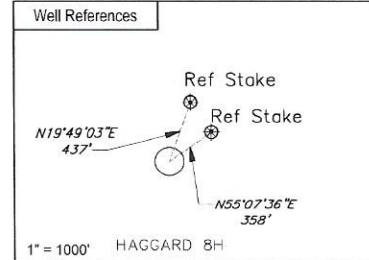
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

RECEIVED
Office of Oil and Gas
JUL 08 2024
WV Department of
Environmental Protection

Haggard 8H Haggard EQT Production Company						
Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	10	36.0	Wetzel	Center	Amie Lee Henderson	45.50
2	10	37.0	Wetzel	Center	Amie Lee Henderson	14.50
3	10	38.1	Wetzel	Center	David A & Mary A. Morris	2.08
4	10	52.0	Wetzel	Center	John G. Miller ET AL	55.50
5	14	6.0	Wetzel	Center	John W. Furlong	29.70
6	14	19.0	Wetzel	Center	Bennett Eugene & Bradley Curtis Postlethwait	132.68
7	14	32.0	Wetzel	Center	Kenneth R. & Jennifer L. Mason	31.19
8	14	42.0	Wetzel	Center	The Morgan County Hunting Club, LLC	120.75
9	14	43.0	Wetzel	Center	Dennis L. Hickle ET AL	12.63
10	14	52.1	Wetzel	Center	Dennis L. Hickle ET AL	16.00
11	14	52.2	Wetzel	Center	Mickey R. & Debra Dulaney	0.38
12	18	14.0	Wetzel	Center	Evelyn M. Yoho	13.90
13	2	1.0	Wetzel	Center	George Yoho Hrs.	47.49
14	Unknown	Unknown	Wetzel	Center	Unknown	Unknown
15	2	4.0	Wetzel	Grant	John C. & Debbie D. Comer	104.00
16	3	5.0	Wetzel	Grant	Coastal Forest Resources Co.	179.00
17	3	13.0	Wetzel	Grant	Edward Lee Dulaney II	154.76



Lease	Owner	Acres
229416001	Blackrock Enterprises LLC, et al.	84.94 ac of 198.1275 ac
110271016	Vivian Rine, a/k/a Vivian L. Rine, et al.	95.7 ac
131545001	John G. Miller, et al.	55.495 ac
01146_a	Ralph E. Phillips, et al.	30 ac
126944003	Piney Holdings, Inc., et al.	81.25 ac
106360004	Shiben Estates, Inc., et al.	80 ac
175061000	OXY USA, Inc., et al.	31.19 ac and 144 ac of 31,151.581 ac
219953000	Stone Hill Minerals Holdings LLC, et al.	120.75 ac of 811.95 ac
101595000	Piney Holdings, Inc., et al.	12.925 ac
219282001	Dennis L. Hickle, et al.	16.28 ac
011452.2	Mickey R. Dulaney and Debra Dulaney, JTWROS	0.38 ac
011814	Thomas J. Iacoboni Revocable Living Trust dated May 15, 2018, et al.	14 ac
227632000	Rose Franz and his Unknown or Missing Heirs and Beneficiaries	7 ac
220450007	Kevin Dean Criawell, et al.	15.5 ac
127410003	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	23 ac
219087016	Stephen L. Moskal, et al.	104.54 ac
102282019	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	104 ac
126508000	J&N Management Enterprises, LLC, et al.	332 ac

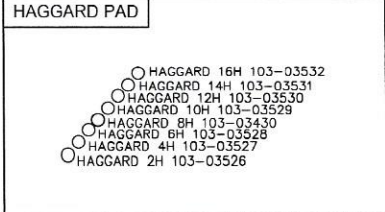


Notes:
 HAGGARD 8H coordinates are
 NAD 27 N: 422,368,002 E: 1,684,574,817
 NAD 27 Lat: 39,654,239 Long: -80,620,300
 NAD 83 UTM N: 4,389,460,196 E: 532,590,256

HAGGARD 8H Landing Point coordinates are
 NAD 27 N: 421,003,960 E: 1,684,118,200
 NAD 27 Lat: 39,650,484 Long: -80,621,861
 NAD 83 UTM N: 4,389,042,909 E: 532,458,055

HAGGARD 8H Bottom Hole coordinates are
 NAD 27 N: 405,950,530 E: 1,691,508,560
 NAD 27 Lat: 39,509,408 Long: -80,594,965
 NAD 83 UTM N: 4,384,494,370 E: 534,786,033

West Virginia Coordinates 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.



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.

L. L. S. 2394
 L. L. S. 2394



FILE NO: W2192 (BK 65-61)
 DRAWING NO:
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: NOVEMBER 15, 20 23
 OPERATORS WELL NO: Haggard 8H
 API WELL NO: 47 - 103 - 03430
 STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
 DISTRICT: Center COUNTY: Wetzel

SURFACE OWNER: Amie Lee Henderson ACREAGE: 45.5 ±
 ROYALTY OWNER: Blackrock Enterprises LLC, et al. LEASE NO: 229416001 ACREAGE: 84.94 ±

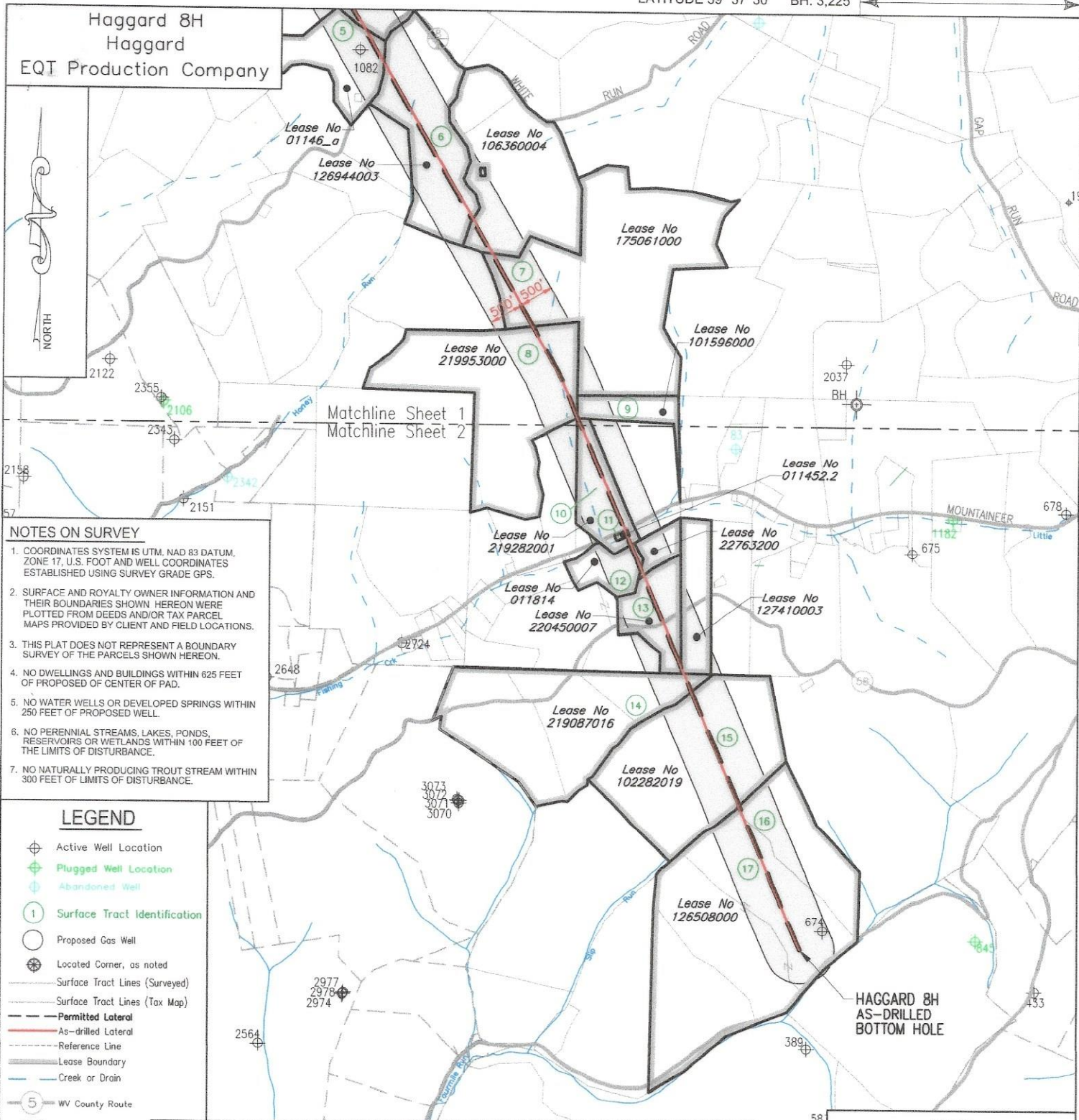
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,619'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
 Canonsburg, PA 15317 Clarksburg, WV 26301

RECEIVED
 Office of Oil and Gas
 JUL 08 2024
 WV Department of
 Environmental Protection

08/16/2024



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.

L. L. S.
L. L. S. 2394



FILE NO: W2175 (BK 59-37)
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: NOVEMBER 15, 20 23
OPERATORS WELL NO: Haggard 8H
API WELL NO
47 - 103 - 03430
STATE COUNTY PERMIT

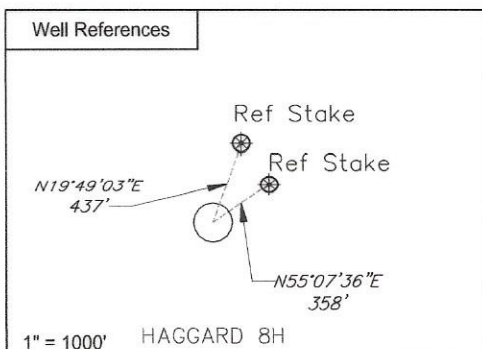
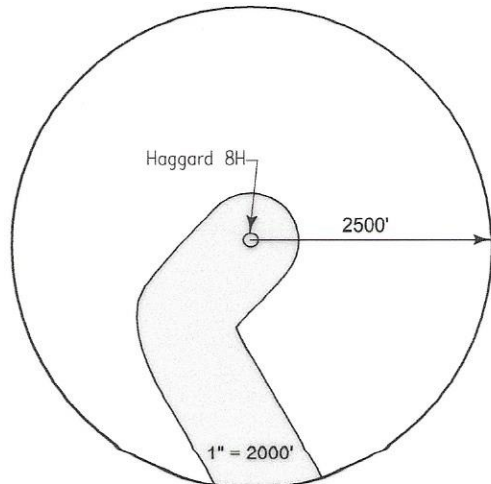
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
DISTRICT: Center COUNTY: Wetzel
SURFACE OWNER: Amie Lee Henderson ACREAGE: 84.94 ±
ROYALTY OWNER: Blackrock Enterprises LLC, et al. LEASE NO: 229416001 ACREAGE: 84.94 ±
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: 7,619'
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

AS-DRILLED

Haggard 8H
Haggard
EQT Production Company

Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	10	36.0	Wetzel	Center	Amie Lee Henderson	45.50
2	10	37.0	Wetzel	Center	Amie Lee Henderson	14.50
3	10	38.1	Wetzel	Center	David A & Mary A. Morris	2.08
4	10	52.0	Wetzel	Center	John G. Miller ET AL	55.50
5	14	6.0	Wetzel	Center	John W. Furlong	29.70
6	14	19.0	Wetzel	Center	Bennett Eugene & Bradley Curtis Postlethwait	132.68
7	14	32.0	Wetzel	Center	Kenneth R. & Jennifer L. Mason	31.19
8	14	42.0	Wetzel	Center	The Morgan County Hunting Club, LLC	120.75
9	14	43.0	Wetzel	Center	Dennis L. Hickle ET AL	12.63
10	14	52.1	Wetzel	Center	Dennis L. Hickle ET AL	16.00
11	14	52.2	Wetzel	Center	Mickey R. & Debra Dulaney	0.38
12	18	14.0	Wetzel	Center	Evelyn M. Yoho	13.90
13	2	1.0	Wetzel	Center	George Yoho Hrs.	47.49
14	Unknown	Unknown	Wetzel	Center	Unknown	Unknown
15	2	4.0	Wetzel	Grant	John C. & Debbie D. Comer	104.00
16	3	5.0	Wetzel	Grant	Coastal Forest Resources Co.	179.00
17	3	13.0	Wetzel	Grant	Edward Lee Dulaney II	164.76

Lease	Owner	Acres
229416001	Blackrock Enterprises LLC, et al.	84.94 ac of 198.1275 ac
110271016	Vivian Rine, a/k/a Vivian L. Rine, et al.	95.7 ac
131545001	John G. Miller, et al.	55.495 ac
01146_a	Ralph E. Phillips, et al.	30 ac
126944003	Piney Holdings, Inc., et al.	61.25 ac
106360004	Shiben Estates, Inc., et al.	80 ac
175061000	OXY USA, Inc., et al.	31.19 ac and 144 ac of 31,151.581 ac
219953000	Stone Hill Minerals Holdings LLC, et al.	120.75 ac of 811.96 ac
101596000	Piney Holdings, Inc., et al.	12.625 ac
219282001	Dennis L. Hickle, et al.	16.28 ac
011452.2	Mickey R. Dulaney and Debra Dulaney, JTWROS	0.38 ac
011814	Thomas J. Iacoboni Revocable Living Trust dated May 15, 2018, et al.	14 ac
227632000	Rose Franz and his Unknown or Missing Heirs and Beneficiaries	7 ac
220450007	Kevin Dean Criswell, et al.	15.5 ac
127410003	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	23 ac
219087016	Stephen L. Moskal, et al.	104.54 ac
102282019	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	104 ac
126508000	J&N Management Enterprises, LLC, et al.	332 ac

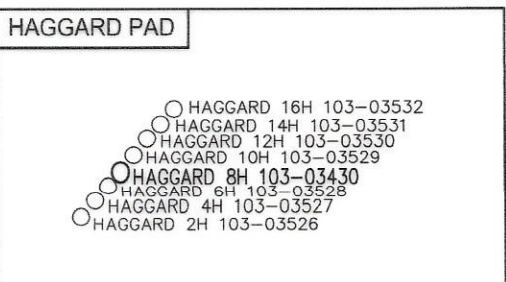


Notes:
HAGGARD 8H coordinates are
 NAD 27 N: 422,366.002 E: 1,684,574.817
 NAD 27 Lat: 39.654239 Long: -80.620300
 NAD 83 UTM N: 4,389,460.196 E: 532,590.256

HAGGARD 8H Landing Point coordinates are
 NAD 27 N: 421,003.960 E: 1,684,118.200
 NAD 27 Lat: 39.650484 Long: -80.621861
 NAD 83 UTM N: 4,389,042.909 E: 532,458.055

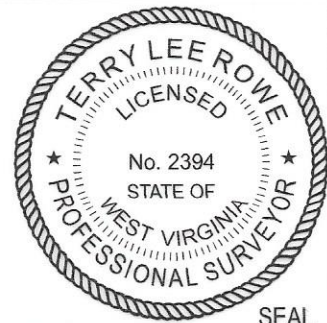
HAGGARD 8H Bottom Hole coordinates are
 NAD 27 N: 405,950.530 E: 1,691,508.560
 NAD 27 Lat: 39.609408 Long: -80.594965
 NAD 83 UTM N: 4,384,494.370 E: 534,786.033

West Virginia Coordinates 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.



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.

L. L. S. 2394
 L. L. S. 2394



FILE NO: W2192 (BK 65-61)
 DRAWING NO:
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: NOVEMBER 15, 2023
 OPERATORS WELL NO: Haggard 8H
 API WELL NO: 47 - 103 - 03430
 STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
 DISTRICT: Center COUNTY: Wetzel

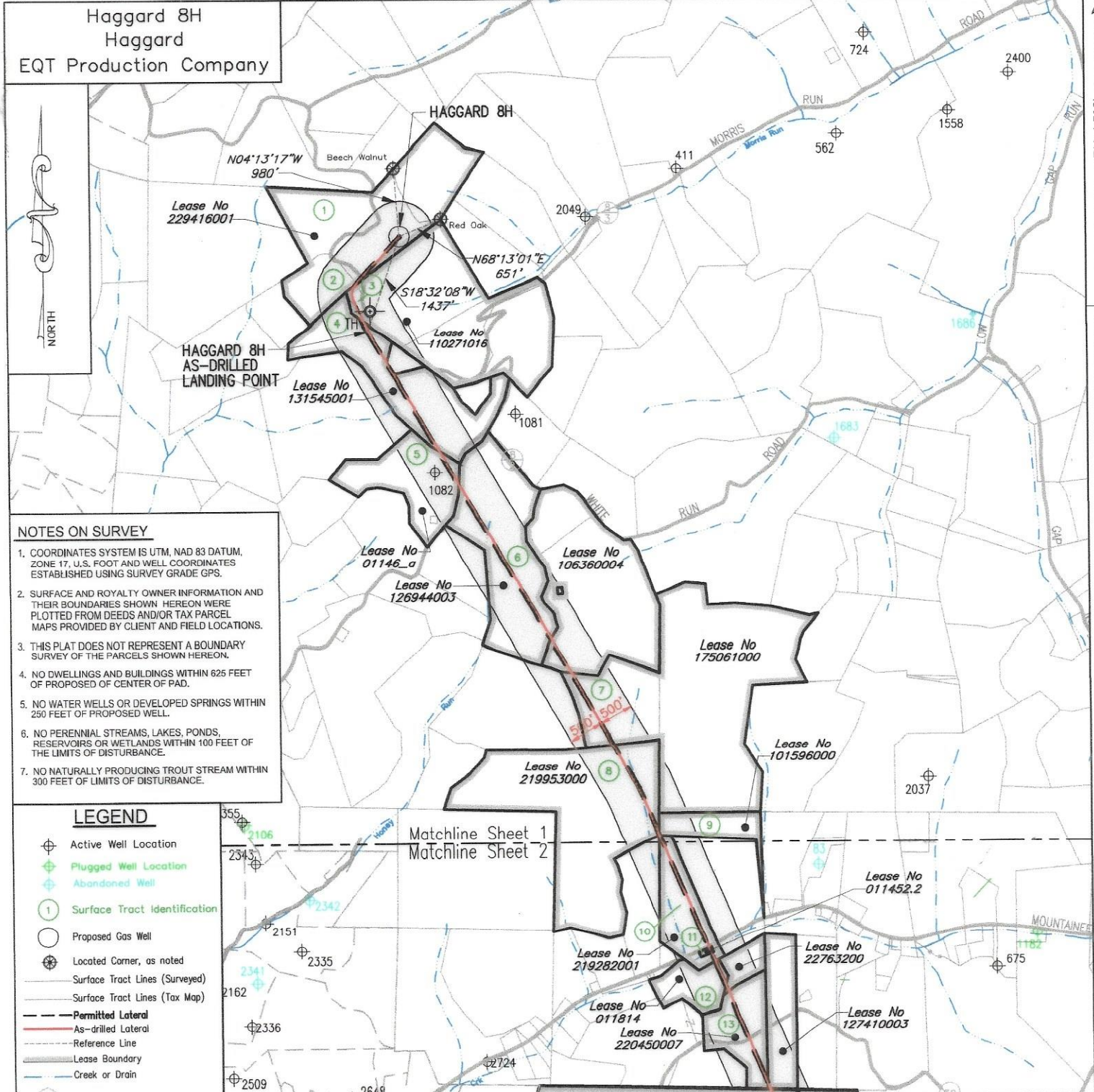
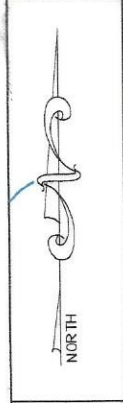
SURFACE OWNER: Amie Lee Henderson ACRES: 84.94 ±
 ROYALTY OWNER: Blackrock Enterprises LLC, et al. LEASE NO: 229416001 ACREAGE: 84.94 ±

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: 7,619'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
 Canonsburg, PA 15317 Clarksburg, WV 26301

AS-DRILLED

Haggard 8H
Haggard
EQT Production Company



- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
 - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

- LEGEND**
- ⊕ Active Well Location
 - ⊕ Plugged Well Location
 - ⊕ Abandoned Well
 - ① Surface Tract Identification
 - Proposed Gas Well
 - ⊕ Located Corner, as noted
 - Surface Tract Lines (Surveyed)
 - Surface Tract Lines (Tax Map)
 - - - Permitted Lateral
 - As-drilled Lateral
 - Reference Line
 - Lease Boundary
 - Creek or Drain
 - ⑤ WV County Route
 - ⑤ WV State Route
- (⊕) Denotes Location of Well on United States Topographic Maps



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.

L. L. S. 2394

L. L. S. 2394



FILE NO: W2175 (BK 59-37)
DRAWING NO:
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: NOVEMBER 15, 20 23
OPERATORS WELL NO: Haggard 8H
API WELL NO
47 - 103 - 03430
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
DISTRICT: Center COUNTY: Wetzel

SURFACE OWNER: Amie Lee Henderson ACREAGE: 84.94 ±
ROYALTY OWNER: Blackrock Enterprises LLC, et al. LEASE NO: 229416001 ACREAGE: 84.94 ±

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: 7,619'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

08/16/2024

AS-DRILLED