

Well Operator's Report of Well Work



Well Number: Haggard 14H (L003869)

API: 47 - 103 - 03531

Submission: Initial Amended

Notes: Original

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WV Department of
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08/16/2024

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

API 47-103-03531 County Wetzel District Center
Quad Littleton Pad Name Haggard Field/Pool Name N/A
Farm name Amie Lee Henderson Well Number Haggard 14H (L003869)
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 4,389,470.780 Easting 532,598.973
Landing Point of Curve Northing 4,389,725.908 Easting 533,108.655
Bottom Hole Northing 4,386,476.026 Easting 534,988.441

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 13.32 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 10/31/2022 Date drilling commenced 03/30/2023 Date drilling ceased 10/14/2023
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

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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 2350 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 **08/16/2024**

Reviewed by:

API 47- 103 - 03531 Farm name Amie Lee Henderson Well number Haggard 14H (L003869)

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"	1460'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2898'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	6"	20,764'	NEW	P-110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1234' 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	1265	16.0	1.09	1379	0	8
Coal							
Intermediate 1	CLASS L	1006	15.6	1.14	1147	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3390	15.0	1.19	4034	1234'	8+
Tubing							

Drillers TD (ft) 20,787' Loggers TD (ft) N/A
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure _____

Kick off depth (ft) 1,647'

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 8387' AND EVERY JOINT TO 2178'

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

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Rev. 8/23/13

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API 47- 103 - 03531 Farm name Amie Lee Henderson Well number Haggard 14H (L003869)

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 _____

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Well # HAGGARD 14H (L003869) Final Formations API# 47-103-03531				
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	2,769
Big Injun	2,771	2,769	2,896	2,894
Sand/Shale	2,896	2,894	3,045	3,043
Berea	3,045	3,043	3,286	3,284
Sand/Shale	3,286	3,284	3,404	3,402
Gantz	3,404	3,402	3,537	3,535
Sand/Shale	3,537	3,535	3,559	3,557
Fifty foot	3,559	3,557	3,597	3,594
Sand/Shale	3,597	3,594	3,643	3,640
Thirty foot	3,643	3,640	3,664	3,661
Sand/Shale	3,664	3,661	3,711	3,708
Bayard	3,711	3,708	3,803	3,799
Sand/Shale	3,803	3,799	4,155	4,141
Upper Speechley	4,155	4,141	4,216	4,200
Speechley	4,216	4,200	4,300	4,279
Balltown	4,300	4,279	4,630	4,584
Bradford	4,630	4,584	5,773	5,591
Benson	5,773	5,591	6,110	5,890
Alexander	6,110	5,890	6,569	6,292
Elk	6,569	6,292	7,580	7,183
Sonyea	7,580	7,183	7,761	7,334
Middlesex	7,761	7,334	7,817	7,377
Genesee	7,817	7,377	7,929	7,456
Geneseo	7,929	7,456	7,977	7,486
Tully	7,977	7,486	8,017	7,508
Hamilton	8,017	7,508	8,303	7,613
Marcellus	8,303	7,613	20,787	7,647

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Perforation Data

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Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	01/10/2024	20676	20495	40	Marcellus
3	01/10/2024	20476	20295	40	Marcellus
4	01/11/2024	20276	20095	40	Marcellus
5	01/11/2024	20076	19895	40	Marcellus
6	01/11/2024	19876	19695	40	Marcellus
7	01/12/2024	19676	19495	40	Marcellus
8	01/12/2024	19476	19295	40	Marcellus
9	01/12/2024	19276	19095	40	Marcellus
10	01/12/2024	19076	18895	40	Marcellus
11	01/13/2024	18876	18695	40	Marcellus
12	01/14/2024	18676	18495	40	Marcellus
13	01/14/2024	18476	18295	40	Marcellus
14	01/14/2024	18276	18095	40	Marcellus
15	01/15/2024	18076	17895	40	Marcellus
16	01/15/2024	17876	17695	40	Marcellus
17	01/15/2024	17676	17495	40	Marcellus
18	01/15/2024	17476	17295	40	Marcellus
19	01/16/2024	17276	17095	40	Marcellus
20	01/16/2024	17076	16895	40	Marcellus
21	01/16/2024	16876	16695	40	Marcellus
22	01/19/2024	16676	16495	40	Marcellus
23	01/19/2024	16476	16295	40	Marcellus
24	01/21/2024	16276	16095	40	Marcellus
25	01/22/2024	16076	15895	40	Marcellus
26	01/22/2024	15876	15695	40	Marcellus
27	01/22/2024	15676	15495	40	Marcellus
28	01/22/2024	15476	15295	40	Marcellus
29	01/23/2024	15276	15095	40	Marcellus
30	01/23/2024	15076	14895	40	Marcellus
31	01/23/2024	14876	14695	40	Marcellus
32	01/23/2024	14676	14495	40	Marcellus
33	01/24/2024	14476	14295	40	Marcellus
34	01/24/2024	14276	14095	40	Marcellus
35	01/24/2024	14076	13895	40	Marcellus
36	01/24/2024	13876	13695	40	Marcellus
37	01/25/2024	13676	13495	40	Marcellus
38	01/25/2024	13476	13295	40	Marcellus
39	01/25/2024	13276	13095	40	Marcellus
40	01/25/2024	13076	12895	40	Marcellus
41	01/25/2024	12876	12695	40	Marcellus
42	01/26/2024	12676	12495	40	Marcellus

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45	01/27/2024	12076	11895	40	Marcellus
46	01/27/2024	11876	11695	40	Marcellus
47	01/27/2024	11676	11495	40	Marcellus
48	01/27/2024	11476	11295	40	Marcellus
49	01/28/2024	11276	11095	40	Marcellus
50	01/28/2024	11076	10895	40	Marcellus
51	01/29/2024	10876	10695	40	Marcellus
52	01/29/2024	10676	10495	40	Marcellus
53	01/29/2024	10476	10295	40	Marcellus
54	01/29/2024	10276	10095	40	Marcellus
55	01/30/2024	10076	9895	40	Marcellus
56	01/30/2024	9876	9695	40	Marcellus
57	01/30/2024	9676	9495	40	Marcellus
58	01/30/2024	9476	9295	40	Marcellus
59	01/30/2024	9276	9095	40	Marcellus
60	01/31/2024	9076	8895	40	Marcellus
61	01/31/2024	8876	8695	40	Marcellus
62	01/31/2024	8676	8495	40	Marcellus
63	01/31/2024	8476	8335	32	Marcellus


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Stimulation Data

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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	01/09/2024	84	8393	7595	4060	176123	4646	
2	01/10/2024	99	8884	6767	4302	440072	10337	
3	01/11/2024	91	8509	6463	5076	440237	11551	
4	01/11/2024	87	9029	6455	4522	440423	11343	
5	01/11/2024	97	8999	6371	4614	440007	10202	
6	01/12/2024	93	8976	6356	4237	439920	10061	
7	01/12/2024	98	9040	6460	4747	440114	10326	
8	01/12/2024	95	9093	5883	4498	440059	10111	
9	01/13/2024	47	9170	6285	4380	439843	10092	
10	01/13/2024	90	9029	6056	4674	439989	10109	
11	01/14/2024	99	8975	6076	4604	440102	10131	
12	01/14/2024	100	8926	6142	4432	440150	10121	
13	01/14/2024	98	8926	5486	4543	439983	10123	
14	01/15/2024	100	8666	5983	4409	439999	10068	
15	01/15/2024	99	8909	6061	4733	442296	10136	
16	01/15/2024	96	9102	5962	4284	440109	10097	
17	01/16/2024	100	8776	6075	4800	439997	10031	
18	01/16/2024	100	8917	5957	4638	439992	10103	
19	01/16/2024	90	9019	6042	4586	440174	10064	
20	01/17/2024	99	8921	5971	4479	440004	10017	
21	01/17/2024	96	8915	6041	4665	440003	10003	
22	01/19/2024	99	8828	6192	4830	440034	10053	
23	01/21/2024	94	9029	6149	4369	440311	10015	
24	01/22/2024	99	8866	6084	4010	440080	10053	
25	01/22/2024	84	8959	6076	4368	440013	10490	
26	01/22/2024	99	8877	5742	4222	440473	10035	
27	01/23/2024	100	8596	5830	4437	440082	10000	
28	01/23/2024	100	8914	6020	4482	439993	9942	
29	01/23/2024	99	8851	5866	4510	440112	9931	
30	01/23/2024	100	8692	6002	4157	440891	9977	
31	01/24/2024	100	8614	5912	4472	440151	9944	
32	01/24/2024	100	8601	5808	4502	440727	9935	
33	01/24/2024	92	8884	5938	4673	440699	10401	
34	01/24/2024	98	8975	6181	4444	440748	9952	
35	01/25/2024	97	8354	5790	4796	439354	10125	
36	01/25/2024	95	8476	6081	4550	440005	9885	
37	01/25/2024	95	8118	6047	4382	439995	9910	
38	01/25/2024	98	8186	6313	4569	440096	9885	
39	01/25/2024	98	8513	6132	4349	439917	9937	
40	01/26/2024	100	8288	6114	4572	440111	9845	
41	01/26/2024	98	8390	6715	4421	440129	9849	
42	01/26/2024	99	8436	5991	4235	440072	9873	
43	01/27/2024	99	8406	6370	4507	440052	9779	

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44	01/27/2024	94	7892	6259	4406	440033	9809
45	01/27/2024	100	8161	6222	4237	440050	9808
46	01/27/2024	99	8005	5902	4560	440052	9803
47	01/27/2024	99	8092	6012	4509	440052	9840
48	01/28/2024	98	7825	6635	4473	440010	9768
49	01/28/2024	100	7942	6306	4413	439916	9765
50	01/29/2024	100	7970	6600	4141	440026	9748
51	01/29/2024	100	7877	6302	4408	440054	9764
52	01/29/2024	100	7868	6241	4253	440048	9750
53	01/30/2024	98	7763	6445	4750	440063	9732
54	01/30/2024	98	7482	5683	4745	440007	9703
55	01/30/2024	100	7943	6223	4627	439971	9706
56	01/30/2024	100	7763	6215	4751	440169	9722
57	01/30/2024	99	7872	6445	4608	440093	9711
58	01/31/2024	100	7545	6030	4577	440007	9716
59	01/31/2024	99	7988	6282	4248	440103	9682
60	01/31/2024	99	7739	6711	4958	440005	9661
61	01/31/2024	99	7728	6358	4521	439973	9704
62	01/31/2024	99	7309	5885	4850	440227	9709
63	02/01/2024	92	7860	5833	4698	352003	7764

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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:	47-103-03531-00-00
Operator Name:	EQT Production
Well Name and Number:	Haggard 14H
Latitude:	39.654415
Longitude:	-80.620008
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7676
Total Base Water Volume (gal)*:	26138826
Total Base Non Water Volume:	0



Water Source	Percent
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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	88.71629	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	11.13445	None
Clearal 268	ChemStream	Biocide					
			Non-hazardous substances	Proprietary	80.00000	0.00900	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Copolymer of 2-propenamide	Proprietary	30.00000	0.00892	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Non-hazardous substances	Proprietary	90.00000		
StimSTREAM	ChemStream	Friction					

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FR 9800		Reducer					
			Petroleum Distillate	64742-47-8	20.00000	0.00396	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Synthetic Acid					
			Proprietary	Proprietary	20.00000	0.00107	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	0.00027	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					
			Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00004	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Oleic Acid Diethanolamide	93-83-4	2.00000	0.00004	None
Clearal 268	ChemStream	Biocide					
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00001	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Ethanol	64-17-5	1.50000	0.00000	None

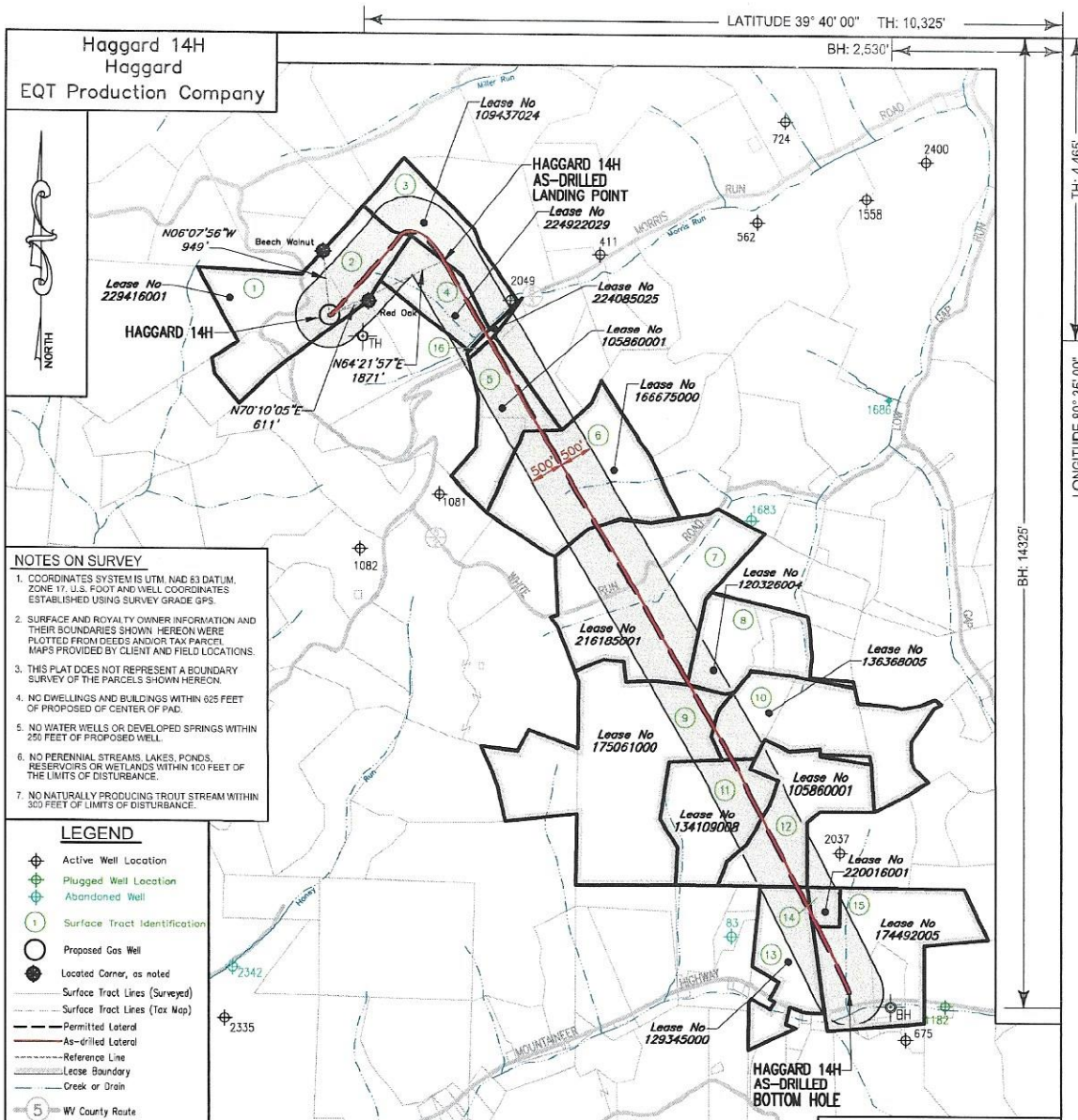
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS

* 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)

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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.

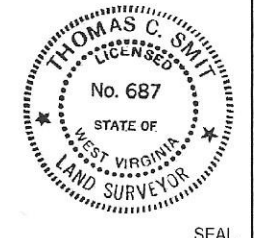
LEGEND

- Active Well Location
- Plugged Well Location
- Abandoned Well
- 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.

Thomas C. Smit
L. L. S. 687



FILE NO:
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: OCTOBER 17, 20 23
OPERATORS WELL NO: Haggard 14H
API WELL NO: 47 - 103 - 03531
STATE COUNTY PERMIT

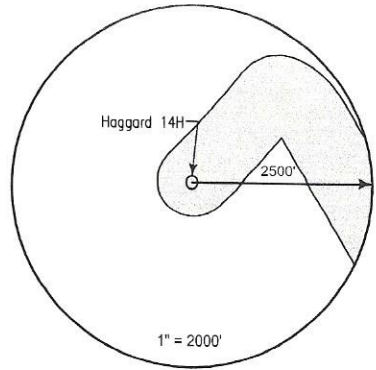
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
DISTRICT: Center COUNTY: Wetzel
SURFACE OWNER: Amie Lee Henderson ACREAGE: 45.5 ±
ROYALTY OWNER: Blackrock Enterprises 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: 7,618'
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

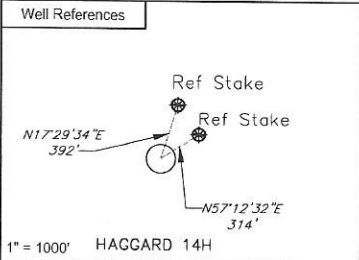
08/16/2024

Haggard 14H
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	27.0	Wetzel	Center	Scott L Musgrave	35.00
3	10	28.0	Wetzel	Center	Calvin T. Jr & Monica L. Morris	47.50
4	10	39.1	Wetzel	Center	Rusty L. Morris II & Ashton N. Morris	26.00
5	10	54.0	Wetzel	Center	Ronnie E. & Yvonne M. Wade	65.79
6	10	56.0	Wetzel	Center	Patrick L. Morris	93.75
7	14	10.0	Wetzel	Center	Johnny Kenneth & Deborah K. Greathouse	122.00
8	15	66.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	28.87
9	14	33.0	Wetzel	Center	Dennis L. Hickle et al	144.00
10	15	28.1	Wetzel	Center	Owen E. & Saloma D. Schmucker	22.66
11	15	42.0	Wetzel	Center	Sharon M. Dulaney et al	53.30
12	15	43.0	Wetzel	Center	Donnie P. & Donna Kirkpatrick	62.81
13	15	55.0	Wetzel	Center	Mildred A. Sapp	44.82
14	15	55.1	Wetzel	Center	WMH. Sapp	5.50
15	15	56.0	Wetzel	Center	John R. & Phyllis R. Bohrer	42.75
16	10	53.1	Wetzel	Center	Rusty L. Morris	1.13



Lease	Owner	Acres
229416001	Blackrock Enterprises LLC, et al.	84.94 ac of 198.1275 ac
109437024	Rusty Lee Morris, et al.	47.5 ac
224922029	Rusty Lee Morris, II and Ashton N. Morris, et al.	28.915 ac
224085025	Robert Eugene Heslop, et al.	2 ac
105860001	Stone Hill Minerals Holdings, LLC, et al.	1,694.69 ac
166675000	AMP IV, LP, et al.	93.75 ac
216185001	Drilling Appalachian Corporation, et al.	122 ac
120326004	Owen E. Schmucker and Saloma D. Schmucker, et al.	52.45 ac
175061000	OXY USA, Inc., et al.	31.19 ac and 144 ac of 31,151.581 ac
136368005	Owen E. Schmucker and Saloma D. Schmucker, et al.	77.41875 ac
134109008	Raymond Lee Yoho, et al.	53.25 ac
129345000	Appalachian Basin Minerals, LP, et al.	45.92 ac
220016001	Piney Holdings, Inc., et al.	5.5 ac
174492005	Robert L. Roksandich, et al.	72.085 ac

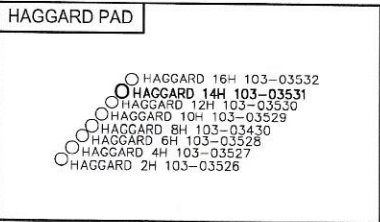


Notes:
HAGGARD 14H coordinates are
NAD 27 N: 422,400.254 E: 1,684,603.996
NAD 27 Lat: 39.654334 Long: -80.620197
NAD 83 UTM N: 4,389,470.780 E: 532,598.973

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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.

Thomas C. Smit
L. L. S. 687



FILE NO:
DRAWING NO:
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY:
1:2500
PROVEN SOURCE OF ELEVATION:
NGS CORS Station



DATE: OCTOBER 17, 20 23
OPERATORS WELL NO: Haggard 14H
API WELL NO
47 - 103 - 03531
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)

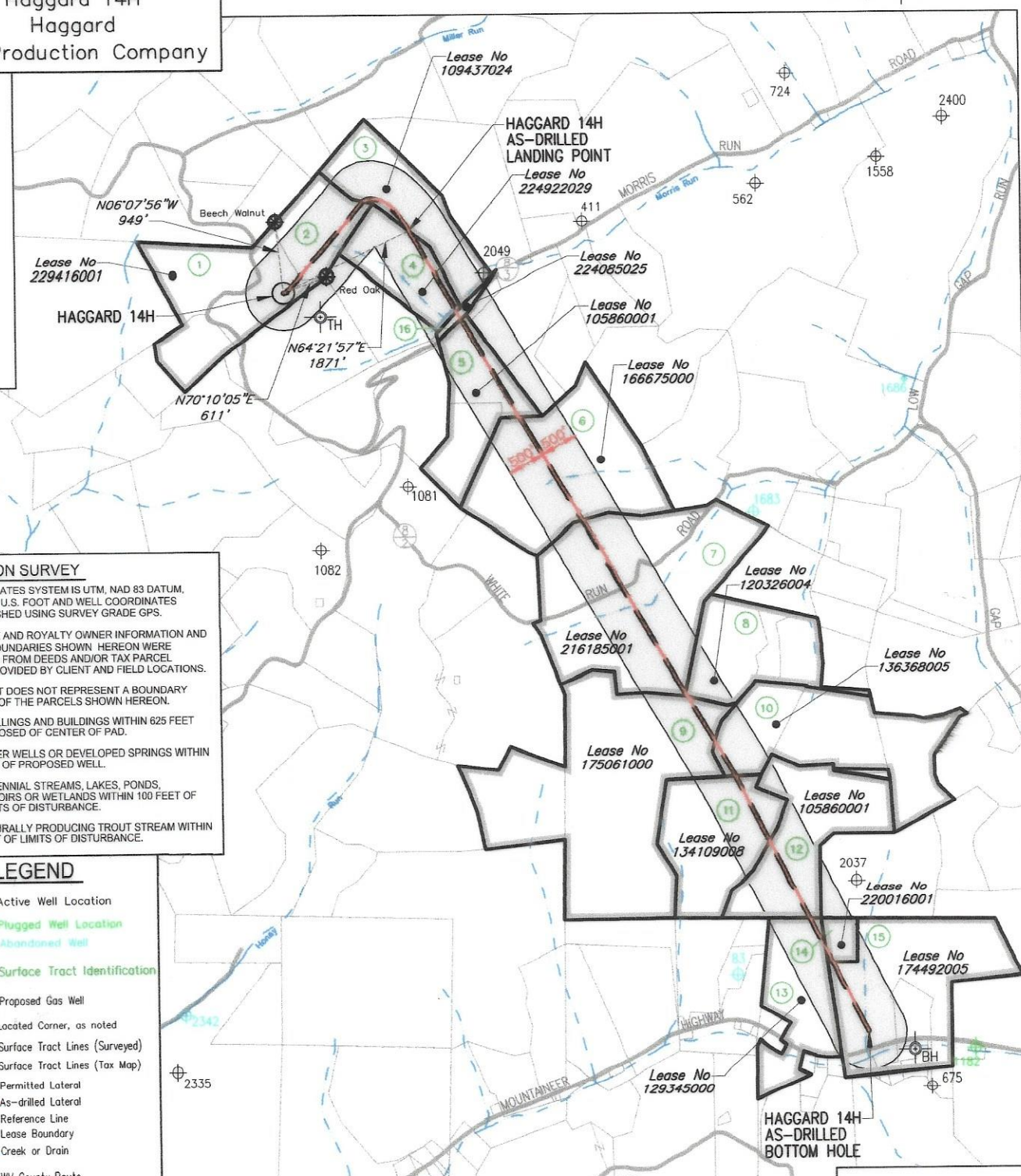
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,618'

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Haggard 14H
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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.

Thomas C. Smit
L. L. S. 687



FILE NO: _____
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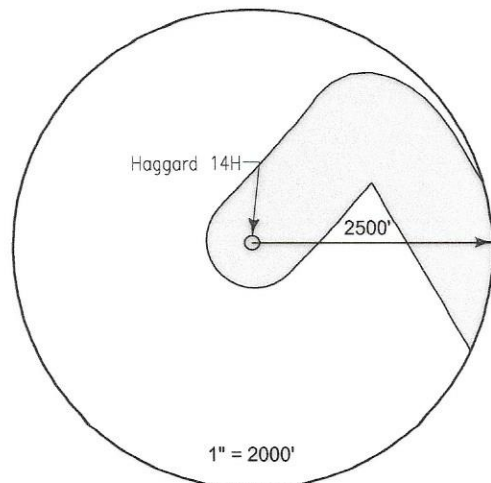
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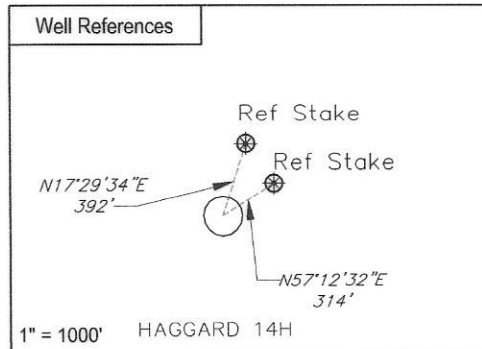
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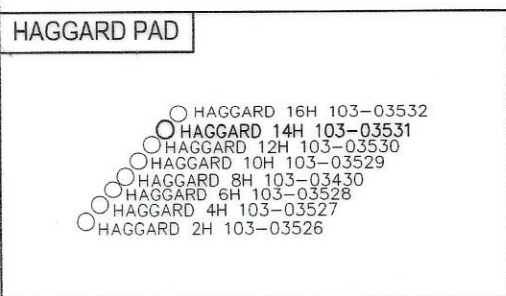


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SEAL

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