

Well Operator's Report of Well Work



Where energy meets innovation.

Well Number: Denver 7H (L-007910)

API: 47 - 103 - 03365

Submission:  Initial  Amended

Notes: Original

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**APPROVED**

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

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API 47-103-03365 County Wetzel District Center  
Quad Littleton Pad Name DENVER Field/Pool Name N/A  
Farm name EQT Production Company Well Number Denver 7H (L007910)  
Operator (as registered with the OOG) EQT Production Company  
Address 400 Woodcliff Drive City Canonsburg State PA Zip 15317

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As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,387,421.867 Easting 537,782.232  
Landing Point of Curve Northing 4,387,455.692 Easting 537,678.913  
Bottom Hole Northing 4,391,442.811 Easting 535,277.056

Elevation (ft) 1351' 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 13.56 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 01/26/2021 Date drilling commenced 10/01/2022 Date drilling ceased 08/26/2023  
Date completion activities began \_\_\_\_\_ Date completion activities ceased \_\_\_\_\_  
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 5,224,329,331,371,385 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1830,1963 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 771,1009,1091 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:

06/21/2024

API 47-103 - 03365 Farm name EQT Production Company Well number Denver 7H (L007910)

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"	1182'	NEW	J-55 54.5#	1056'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2596'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	6"	23,058'	NEW	P-110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1128' 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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (GL)	WOC (hrs)
Conductor	CLASS A	83	15.6	1.18	98	0	8+
Surface	CLASS L	1036	16.0	1.09	1129	0	8
Coal							
Intermediate 1	CLASS L	955	15.6	1.14	1088	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3780	15.0	1.18	4460	1128'	8+
Tubing							

Drillers TD (ft) 23,078' Loggers TD (ft) N/A  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 2,629'

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 7789' AND EVERY JOINT TO 2086' \_\_\_\_\_

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

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API 47- 103 - 03365 Farm name EQT Production Company Well number Denver 7H (L007910)

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						

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Please insert additional pages as applicable.

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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 \_\_\_\_\_ psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs  
 OPEN FLOW Gas \_\_\_\_\_ mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water \_\_\_\_\_ bpd GAS MEASURED BY  
 Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
*	0 See		0		
		Attached			

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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 2/16/2024

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

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API 47- 103 - 03365 Farm name EQT Production Company Well number Denver 7H (L007910)

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 # DENVER 7H (L007910) Final Formations API# 47-103-03365				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	771	771
Waynesburg Coal	771	771	774	774
Sand/Shale	774	774	1,009	1,009
Sewickley Coal	1,009	1,009	1,011	1,011
Sand/Shale	1,011	1,011	1,091	1,091
Pittsburgh Coal	1,091	1,091	1,100	1,100
Sand/Shale	1,100	1,100	2,403	2,403
Big Injun	2,403	2,403	2,527	2,527
Sand/Shale	2,527	2,527	2,642	2,642
Berea	2,642	2,642	2,991	2,990
Gantz	2,991	2,990	3,170	3,167
Fifty foot	3,170	3,167	3,214	3,211
Sand/Shale	3,214	3,211	3,237	3,234
Thirty foot	3,237	3,234	3,264	3,261
Sand/Shale	3,264	3,261	3,316	3,313
Bayard	3,316	3,313	3,444	3,440
Sand/Shale	3,444	3,440	3,828	3,823
Speechley	3,828	3,823	3,905	3,899
Balltown	3,905	3,899	4,232	4,225
Bradford	4,232	4,225	4,362	4,355
Sand/Shale	4,362	4,355	5,371	5,358
Benson	5,371	5,358	5,781	5,766
Alexander	5,781	5,766	6,233	6,216
Elk	6,233	6,216	7,038	7,013
Sonyea	7,038	7,013	7,199	7,159
Middlesex	7,199	7,159	7,250	7,201
Genesee	7,250	7,201	7,353	7,278
Geneseo	7,353	7,278	7,396	7,307
Tully	7,396	7,307	7,431	7,329
Hamilton	7,431	7,329	7,676	7,432
Marcellus	7,676	7,432	23,078	7,496

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# Perforation Data

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Stage_Number	Perf_Date	Depth_Bottom	Depth_Top	Shot_Count	Formation
2	11/02/2023	22973	22793	40	Marcellus
3	11/02/2023	22774	22595	40	Marcellus
4	11/03/2023	22576	22396	40	Marcellus
5	11/03/2023	22377	22198	40	Marcellus
6	11/03/2023	22179	21999	40	Marcellus
7	11/04/2023	21980	21801	40	Marcellus
8	11/04/2023	21782	21602	40	Marcellus
9	11/04/2023	21583	21404	40	Marcellus
10	11/05/2023	21385	21205	40	Marcellus
11	11/05/2023	21186	21007	40	Marcellus
12	11/05/2023	20988	20808	40	Marcellus
13	11/05/2023	20789	20610	40	Marcellus
14	11/06/2023	20591	20411	40	Marcellus
15	11/06/2023	20392	20213	40	Marcellus
16	11/06/2023	20194	20014	40	Marcellus
17	11/07/2023	19995	19816	40	Marcellus
18	11/07/2023	19797	19617	40	Marcellus
19	11/07/2023	19598	19419	40	Marcellus
20	11/07/2023	19400	19220	40	Marcellus
21	11/08/2023	19201	19022	40	Marcellus
22	11/08/2023	19003	18823	40	Marcellus
23	11/08/2023	18804	18625	40	Marcellus
24	11/09/2023	18606	18426	40	Marcellus
25	11/09/2023	18407	18228	40	Marcellus
26	11/09/2023	18209	18029	40	Marcellus
27	11/10/2023	18010	17831	40	Marcellus
28	11/10/2023	17812	17632	40	Marcellus
29	11/10/2023	17613	17434	40	Marcellus
30	11/10/2023	17415	17235	40	Marcellus
31	11/10/2023	17216	17037	40	Marcellus
32	11/11/2023	17018	16838	40	Marcellus
33	11/11/2023	16819	16640	40	Marcellus
34	11/11/2023	16621	16441	40	Marcellus
35	11/11/2023	16422	16243	40	Marcellus
36	11/11/2023	16224	16044	40	Marcellus
37	11/12/2023	16025	15846	40	Marcellus
38	11/12/2023	15827	15647	40	Marcellus
39	11/12/2023	15628	15449	40	Marcellus
40	11/12/2023	15430	15250	40	Marcellus
41	11/13/2023	15231	15052	40	Marcellus
42	11/13/2023	15033	14853	40	Marcellus
43	11/13/2023	14834	14655	40	Marcellus
44	11/13/2023	14636	14456	40	Marcellus
45	11/14/2023	14437	14258	40	Marcellus
46	11/14/2023	14239	14059	40	Marcellus
47	11/14/2023	14040	13861	40	Marcellus

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48 11/15/2023	13842	13662	40 Marcellus
49 11/15/2023	13643	13464	40 Marcellus
50 11/16/2023	13445	13265	40 Marcellus
51 11/16/2023	13246	13067	40 Marcellus
52 11/16/2023	13048	12868	40 Marcellus
53 11/16/2023	12849	12670	40 Marcellus
54 11/17/2023	12651	12471	40 Marcellus
55 11/17/2023	12452	12273	40 Marcellus
56 11/17/2023	12254	12074	40 Marcellus
57 11/18/2023	12055	11876	40 Marcellus
58 11/18/2023	11857	11677	40 Marcellus
59 11/18/2023	11658	11479	40 Marcellus
60 11/18/2023	11460	11280	40 Marcellus
61 11/19/2023	11261	11082	40 Marcellus
62 11/19/2023	11063	10883	40 Marcellus
63 11/19/2023	10864	10685	40 Marcellus
64 11/19/2023	10666	10486	40 Marcellus
65 11/19/2023	10467	10288	40 Marcellus
66 11/20/2023	10269	10089	40 Marcellus
67 11/20/2023	10070	9891	40 Marcellus
68 11/20/2023	9872	9692	40 Marcellus
69 11/21/2023	9673	9494	40 Marcellus
70 11/21/2023	9475	9295	40 Marcellus
71 11/21/2023	9276	9097	40 Marcellus
72 11/21/2023	9078	8898	40 Marcellus
73 11/22/2023	8879	8700	40 Marcellus
74 11/22/2023	8681	8501	40 Marcellus
75 11/22/2023	8482	8303	40 Marcellus
76 11/22/2023	8284	8104	40 Marcellus
77 11/22/2023	8085	7906	40 Marcellus
78 11/23/2023	7887	7707	40 Marcellus

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# Stimulation Data

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Stimulation_Date	Stage_Number	Avg_Pump_Rate	Avg_Treatment_Pressure	Pressure_Breakdown	ISIP	Amount_of_Proppant_lbs	Amount_of_Water_bbls	Proppant_Type	Proppant_Mesh_Size
11/02/2023	1	90		9016	7191	4539	176330	3785 Sand	100 MESH;
11/03/2023	2	99		9015	6293	4926	440357	9465 Sand	100 MESH;
11/03/2023	3	99		9065	6050	5108	440367	9474 Sand	100 MESH;
11/03/2023	4	99		9073	6210	5208	440110	9441 Sand	100 MESH;
11/03/2023	5	99		9052	5900	5135	440626	9465 Sand	100 MESH;
11/04/2023	6	100		9003	5579	5187	440451	9465 Sand	100 MESH;
11/04/2023	7	100		9066	6147	5034	440344	9457 Sand	100 MESH;
11/05/2023	8	99		9121	6207	4677	440240	9477 Sand	100 MESH;
11/05/2023	9	99		9078	6340	5341	440390	9462 Sand	100 MESH;
11/05/2023	10	99		9118	6331	4964	440102	9450 Sand	100 MESH;
11/05/2023	11	99		8927	5983	5054	440361	9466 Sand	100 MESH;
11/06/2023	12	99		9108	5714	4986	440422	9466 Sand	100 MESH;
11/06/2023	13	99		9076	6220	4470	440311	9433 Sand	100 MESH;
11/06/2023	14	100		8956	6120	4622	440116	9444 Sand	100 MESH;
11/06/2023	15	100		8956	5522	4645	440077	9458 Sand	100 MESH;
11/07/2023	16	100		9041	6526	4518	440404	9408 Sand	100 MESH;
11/07/2023	17	93		9159	5638	5182	440396	9441 Sand	100 MESH;
11/07/2023	18	100		9074	5893	4430	440159	9439 Sand	100 MESH;
11/07/2023	19	100		9123	5538	4580	440102	9465 Sand	100 MESH;
11/08/2023	20	100		9035	6195	4577	440301	9449 Sand	100 MESH;
11/08/2023	21	100		9060	5666	4681	440316	9465 Sand	100 MESH;
11/09/2023	22	99		8965	6109	4496	440433	9449 Sand	100 MESH;
11/09/2023	23	100		8925	6319	4731	440132	9443 Sand	100 MESH;
11/09/2023	24	100		8983	6299	5006	440823	9455 Sand	100 MESH;
11/09/2023	25	99		9027	6162	4815	440079	9449 Sand	100 MESH;
11/10/2023	26	99		8885	6513	4556	440125	9441 Sand	100 MESH;
11/10/2023	27	100		9018	6446	4642	440602	9457 Sand	100 MESH;
11/10/2023	28	100		8946	6796	4766	440396	9459 Sand	100 MESH;
11/10/2023	29	100		9037	6487	4891	440054	9417 Sand	100 MESH;
11/11/2023	30	100		8953	5989	4479	440024	9445 Sand	100 MESH;
11/11/2023	31	100		8695	5893	4894	440000	10277 Sand	100 MESH;
11/11/2023	32	100		8867	6132	4771	440089	9452 Sand	100 MESH;
11/11/2023	33	100		8882	5875	4892	440319	9445 Sand	100 MESH;
11/12/2023	34	100		8899	6299	4729	440070	9445 Sand	100 MESH;
11/12/2023	35	100		8969	6286	4529	440035	9448 Sand	100 MESH;
11/12/2023	36	100		8786	6201	4575	440034	9448 Sand	100 MESH;
11/12/2023	37	100		8947	5932	4330	440045	9441 Sand	100 MESH;
11/12/2023	38	98		9132	6361	4510	440067	9441 Sand	100 MESH;
11/13/2023	39	99		8610	6009	4767	440078	9448 Sand	100 MESH;
11/13/2023	40	100		8688	6183	4278	440064	9441 Sand	100 MESH;
11/13/2023	41	100		9041	6171	4775	440143	9433 Sand	100 MESH;
11/13/2023	42	100		8843	6096	4432	440143	9431 Sand	100 MESH;
11/14/2023	43	100		8813	6209	4151	440093	9451 Sand	100 MESH;
11/14/2023	44	99		8942	6443	4160	440171	9441 Sand	100 MESH;
11/14/2023	45	99		8860	6470	4143	440112	9438 Sand	100 MESH;
11/15/2023	46	100		8582	6059	4807	440053	9435 Sand	100 MESH;
11/15/2023	47	100		8606	6586	4561	440101	9436 Sand	100 MESH;
11/15/2023	48	100		8710	6569	4436	440173	9438 Sand	100 MESH;
11/15/2023	49	99		8577	6485	4245	440197	9437 Sand	100 MESH;
11/16/2023	50	99		8686	6532	4548	440539	9436 Sand	100 MESH;
11/16/2023	51	97		8800	6387	4594	441802	9462 Sand	100 MESH;
11/16/2023	52	100		8200	6143	4551	440058	9440 Sand	100 MESH;
11/17/2023	53	99		8340	6322	4560	440041	9441 Sand	100 MESH;
11/17/2023	54	78		9143	6210	4303	439910	9593 Sand	100 MESH;
11/17/2023	55	77		9214	6179	4228	440049	9506 Sand	100 MESH;
11/18/2023	56	83		9341	6032	4253	440010	9469 Sand	100 MESH;
11/18/2023	57	73		9368	6128	4615	440198	9482 Sand	100 MESH;
11/18/2023	58	98		8782	5984	4573	440222	9459 Sand	100 MESH;
11/18/2023	59	100		8058	6181	4160	440030	9455 Sand	100 MESH;

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11/19/2023	60	100	8061	5760	4365	440401	9466 Sand	100 MESH;
11/19/2023	61	100	8178	6156	4099	440250	9459 Sand	100 MESH;
11/19/2023	62	100	8051	6072	4519	440076	9458 Sand	100 MESH;
11/20/2023	63	100	8100	8076	4408	440229	9466 Sand	100 MESH;
11/20/2023	64	100	7925	6151	4597	440257	9463 Sand	100 MESH;
11/20/2023	65	96	8787	5881	4489	440223	9466 Sand	100 MESH;
11/20/2023	66	99	8853	6747	4093	440132	9461 Sand	100 MESH;
11/20/2023	67	98	8270	6489	4433	440230	9456 Sand	100 MESH;
11/21/2023	68	98	8636	6186	4281	440187	9436 Sand	100 MESH;
11/21/2023	69	99	8260	6575	4219	440187	9460 Sand	100 MESH;
11/21/2023	70	95	8572	6518	4136	440258	9457 Sand	100 MESH;
11/21/2023	71	90	8793	6533	3946	440272	9459 Sand	100 MESH;
11/22/2023	72	97	8820	6342	4268	440337	9468 Sand	100 MESH;
11/22/2023	73	83	9108	6179	4162	440306	9475 Sand	100 MESH;
11/22/2023	74	98	8144	6505	4202	440186	9463 Sand	100 MESH;
11/22/2023	75	99	8176	6311	4501	440281	9464 Sand	100 MESH;
11/23/2023	76	100	7994	6179	4644	440307	9485 Sand	100 MESH;
11/23/2023	77	100	7901	6294	4554	440266	9461 Sand	100 MESH;
11/23/2023	78	99	7509	6442	4284	456913	10242 Sand	100 MESH;

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/14/2023
Job End Date:	11/23/2023
State:	West Virginia
County:	Wetzel
API Number:	47-103-03365-00-00
Operator Name:	EQT Production
Well Name and Number:	Denver 7H
Latitude:	39.635741
Longitude:	-80.559708
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7525
Total Base Water Volume (gal)*:	32203752
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	88.60864	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	11.24046	None
Clearal 268	ChemStream	Biocide					
			Non-hazardous substances	Proprietary	80.00000	0.00901	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Copolymer of 2-propenamide	Proprietary	30.00000	0.00806	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Non-hazardous substances	Proprietary	90.00000	0.00763	None
StimSTREAM	ChemStream	Friction					

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FR 9800		Reducer					
			Petroleum Distillate	64742-47-8	20.00000	0.00358	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Synthenic Acid					
			Proprietary	Proprietary	20.00000	0.00151	None
Clearal 268	ChemStream	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00056	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Synthenic Acid					
			Proprietary	Proprietary	10.00000	0.00038	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid) (BHMT)	34690-00-1	10.00000	0.00009	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					
			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 ((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

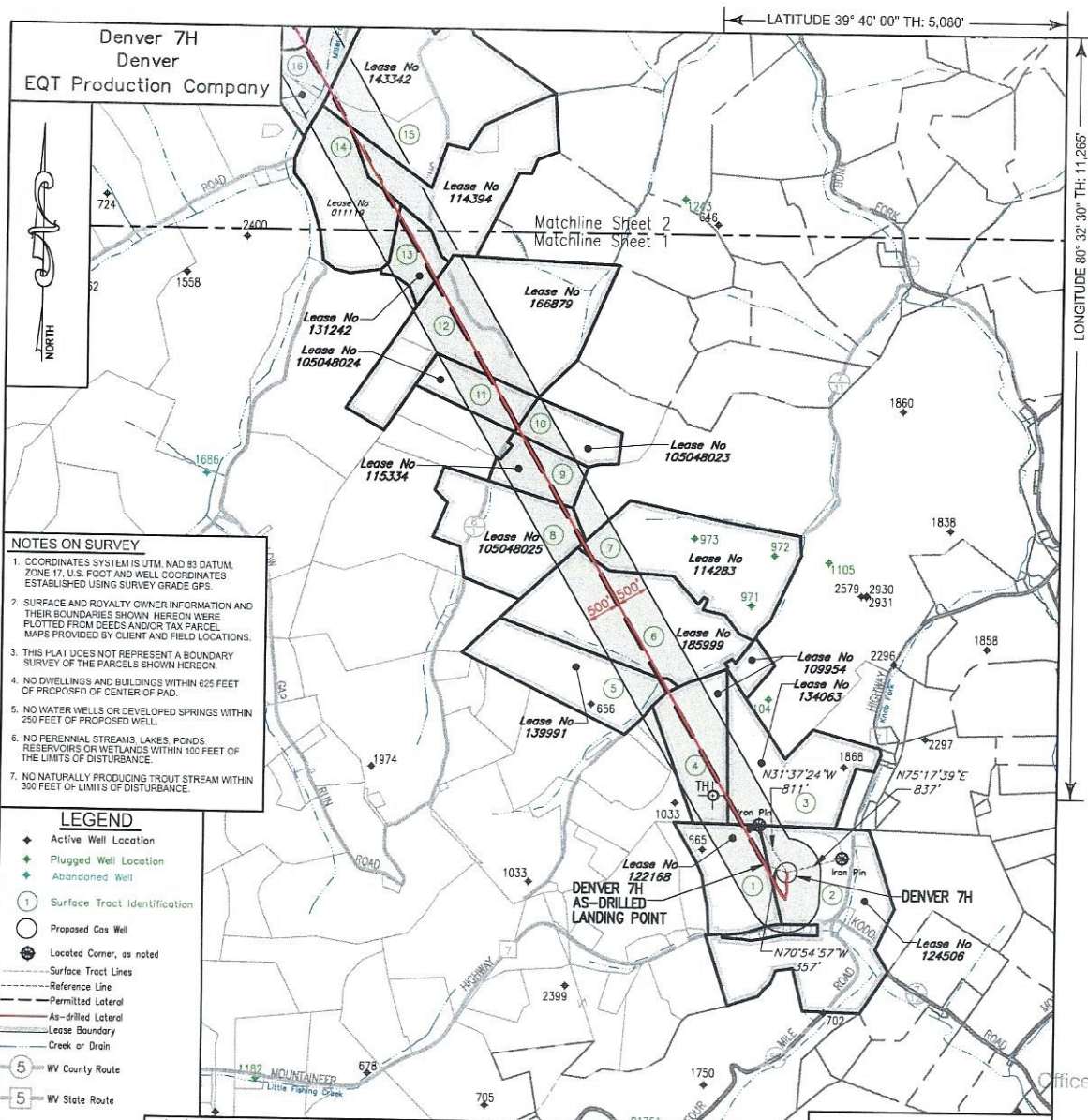
\* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

\*\* 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)

06/21/2024



**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 PARCELS. 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 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**

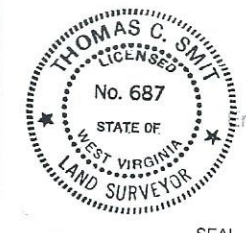
- ◆ Active Well Location
- ◆ Plugged Well Location
- ◆ Abandoned Well
- ① Surface Tract Identification
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Permitted Lateral
- As-Drilled Lateral
- Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑤ WV State Route

( - ) 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.

*Joseph C. Sowell*  
L. L. S. 687



FILE NO: \_\_\_\_\_  
DRAWING NO: \_\_\_\_\_  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: AUGUST 31 20 23  
OPERATORS WELL NO: Denver 7H  
API WELL NO: 47 - 103 - 03365  
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1,351' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON  
DISTRICT: Center COUNTY: Wetzel

SURFACE OWNER: EQT Production Company ACREAGE: 117.39 ±  
ROYALTY OWNER: Bounty Minerals, LLC, et al. LEASE NO: 124506 ACREAGE: 128±

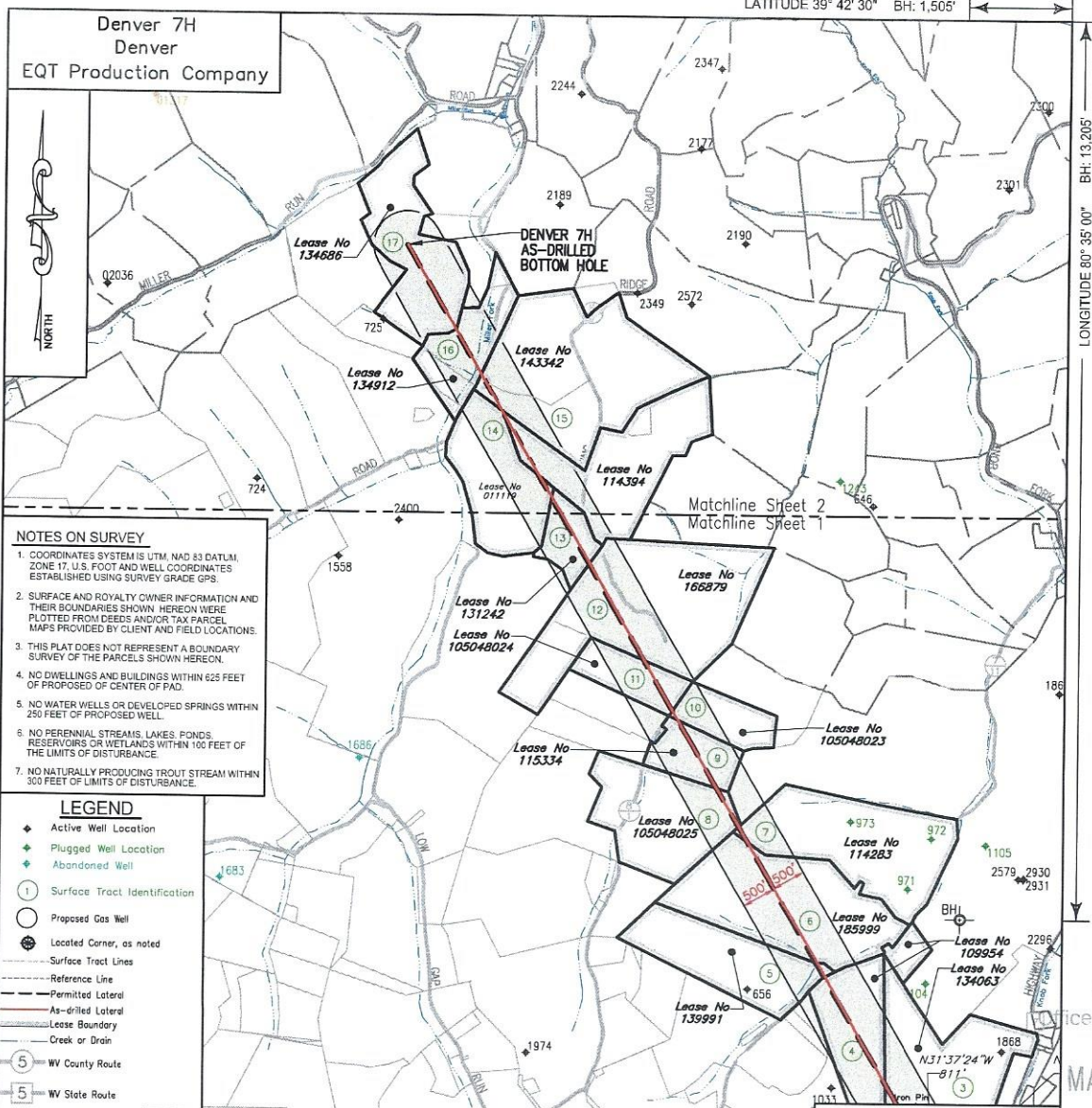
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,478'

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

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  - ◆ Plugged Well Location
  - ◆ Abandoned Well
  - ① Surface Tract Identification
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  - Located Corner, as noted
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*Joseph C. Mallow*  
L. L. S. 687



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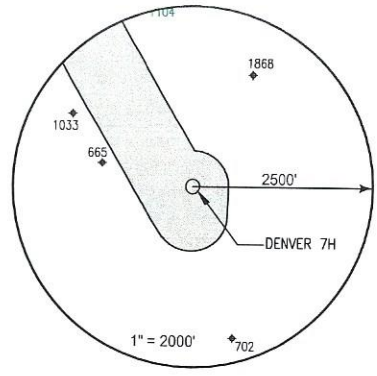
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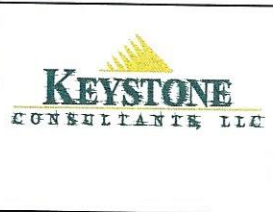
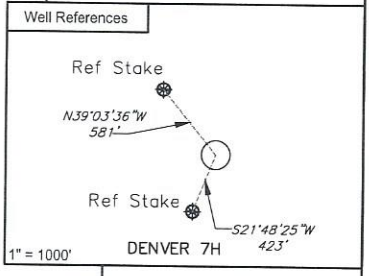
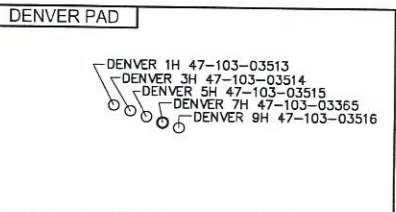
Denver 7H  
Denver  
EQT Production Company

Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	15	41.0	Wetzel	Center	Margo Ceman	39.00
2	16	38.0	Wetzel	Center	EQT Production Company	117.39
3	15	27.1	Wetzel	Center	Harry & Marilyn Kennedy	61.30
4	15	25.0	Wetzel	Center	Thomas Moore & Cora Lynn Childers	50.90
5	15	6.0	Wetzel	Center	Billy L. White	53.39
6	15	7.0	Wetzel	Center	Steven P. Barbe & James R. Barbe	99.00
7	15	7.1	Wetzel	Center	Steven P. Barbe & James R. Barbe	81.75
8	11	37.0	Wetzel	Center	Ray S. Sapp	57.50
9	11	38.0	Wetzel	Center	Dean Wayne Miller	20.30
10	11	39.0	Wetzel	Center	Ray S Sapp	21.75
11	11	33.0	Wetzel	Center	Ray S Sapp	22.50
12	11	22.1	Wetzel	Center	Edith Miller EST	104.50
13	11	21.0	Wetzel	Center	Lovel E. Jett, II	16.30
14	11	19.0	Wetzel	Center	Roger Gene & Avis Lovern Sapp	62.00
15	11	6.1	Wetzel	Center	Larry L & Lois Jane Deem	94.5
16	11	5.1	Wetzel	Center	Robert E Dorsey Sr.	20
17	8	39.0	Wetzel	Center	Robert E Dorsey Sr.	56.00



Lease	Owner	Acres
124506	Bounly Minerals, LLC, et al.	128 ac
122168	Ridgetop Royalties, LLC	40 ac
134063	Patricia Haddix, et al.	61.3 ac
109954	Cora Lynn Childers, et al.	50.87813 ac
139991	Golden Eagle Resources II, LLC, et al.	53 ac
185999	William H. Wood, et al.	99 ac
114263	Noble Marcellus LP	81.75 ac
105048025	Ray S. Sapp	57.50 ac
115334	Rodney J. Nichols, et al.	45.8 ac
105048023	Ray S. Sapp, et al.	21.75 ac
105048024	Ray S. Sapp, et al.	22.125 ac
166879	Shiben Estates, Inc.	104.5 ac
131242	Timothy J. Ashcraft, et al.	16.3 ac
011119	Bounty Minerals, LLC	58 ac
114394	Green Dot Farm, Inc., et al.	68 ac
143342	Green Dot Farm, Inc., et al.	125 ac
134912	XTO Energy Inc., et al.	28 ac
134686	Green Dot Farm, Inc., et al.	125 ac

**Notes:**  
 DENVER 7H Top Hole coordinates are  
 NAD 27 N: 415,392.427 E: 1,701,500.200  
 NAD 27 Lat: 39.6359659 Long: -80.5598999  
 NAD 83 UTM N: 4,387,421.867 E: 537,762.232  
 DENVER 7H Landing Point coordinates are  
 NAD 27 N: 415,509.090 E: 1,701,163.020  
 NAD 27 Lat: 39.635987 Long: -80.561101  
 NAD 83 UTM N: 4,387,455.692 E: 537,678.913  
 DENVER 7H Bottom Hole coordinates are  
 NAD 27 N: 428,724.310 E: 1,693,499.600  
 NAD 27 Lat: 39.6719955 Long: -80.588878  
 NAD 83 UTM N: 4,391,442.811 E: 535,277.056  
 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.



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*L. L. S.*  
 L. L. S. 687



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