

Well Operator's Report of Well Work



Well Number: BIG245 106H (L003509)

API: 47 - 103 - 03442

Submission: Initial Amended

Notes: Amendment for Flowback/Production Data

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WV Department of
Environmental Protection

02/16/2024

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

API 47-103-03442 County Wetzel District Grant
Quad Big Run Pad Name BIG245 Field/Pool Name N/A
Farm name ET Blue Grass LLC Well Number BIG245 106H (L003509)
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 4,382,939.03 Easting 537,029.52
Landing Point of Curve Northing 4,382,640.41 Easting 536,797.83
Bottom Hole Northing 4,380,792.47 Easting 537,945.88

Elevation (ft) 1430' 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 13.9 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 08/16/2021 Date drilling commenced 11/15/2021 Date drilling ceased 06/23/2022
Date completion activities began 07/14/2023 Date completion activities ceased 10/21/2023
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 230,508,663,753,1012 Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N
Coal depth(s) ft 934,1015,1117 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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APPROVED
Reviewed by: [Signature]
02/16/2024

API 47- 103 - 03442 Farm name ET Blue Grass LLC Well number BIG245 106H (L003509)

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"	1185'	NEW	J-55 54.5#	1056'	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2641'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	6"	15,223'	NEW	P-110 24#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1246' 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	1010	16.0	1.13	1141	0	8
Coal							
Intermediate 1	CLASS A	1055	16.5	1.07	1128	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2665	15.2	1.09	2904	1246'	8+
Tubing							

Drillers TD (ft) 15,225' Loggers TD (ft) N/A
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 2,709'

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 1974'

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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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 2666.38 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 8119.54 mcfpd Oil 0.0 bpd NGL _____ bpd Water 14.11 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 ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		

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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 2023-10-29

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

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API 47- 103 - 03442 Farm name ET Blue Grass LLC Well number BIG245 106H (L003509)

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

Stimulation Contractor Evolution Well Services Operating
Address 1780 Hughes Landing Blvd Ste 125 City The Woodlands State TX Zip 77380

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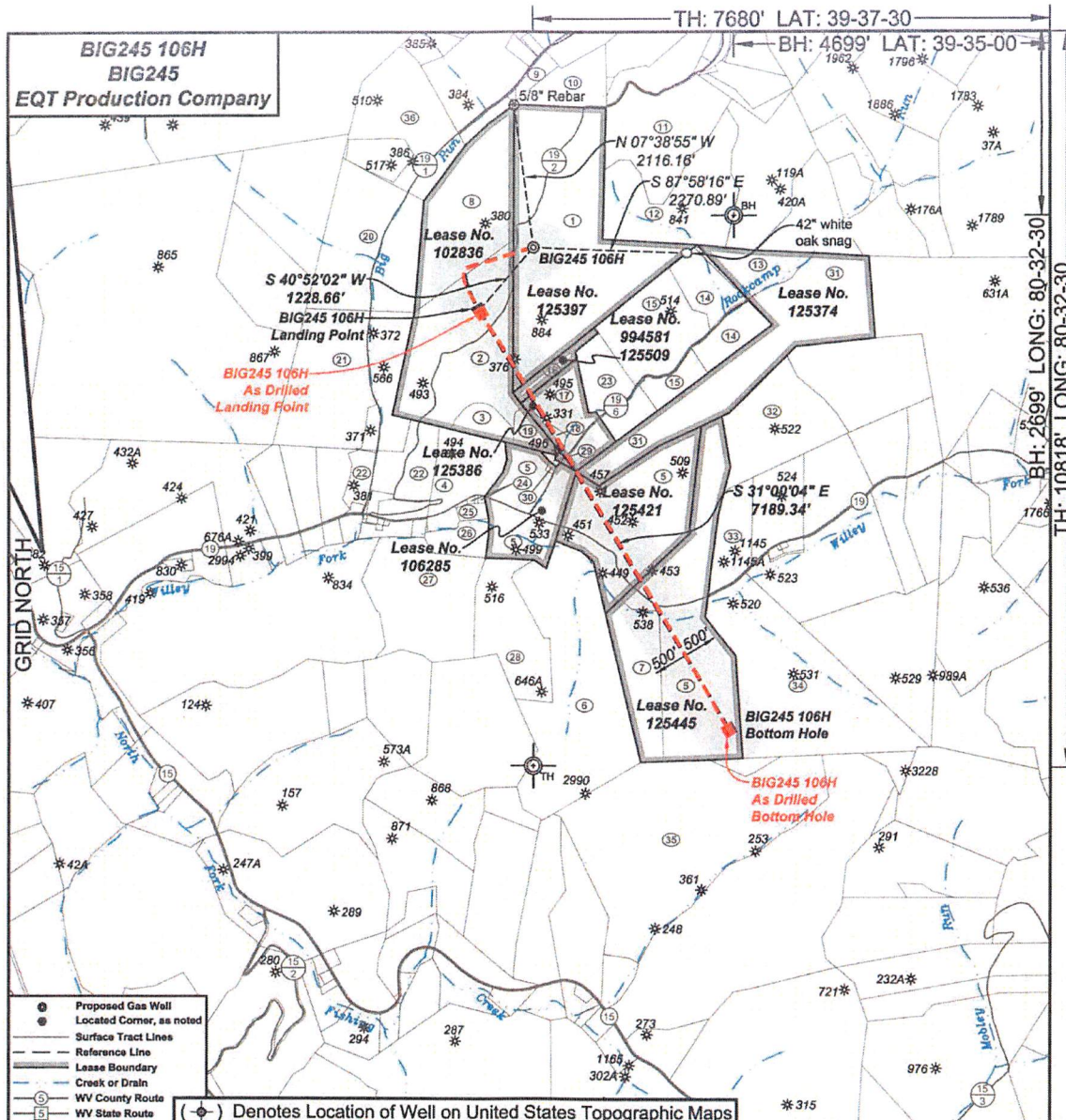
Well # BIG245 106H (L003509) Final Formations API# 47-103-03442				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	934	934
Waynesburg Coal	934	934	937	937
Sand/Shale	937	937	1,015	1,015
Mapletown Coal	1,015	1,015	1,018	1,018
Sand/Shale	1,018	1,018	1,117	1,117
Pittsburgh Coal	1,117	1,117	1,126	1,126
Sand/Shale	1,126	1,126	2,257	2,257
Maxton	2,257	2,257	2,298	2,298
Sand/Shale	2,298	2,298	2,311	2,311
Big Lime	2,311	2,311	2,381	2,381
Big Injun	2,381	2,381	2,548	2,548
Sand/Shale	2,548	2,548	2,717	2,717
Weir	2,717	2,717	2,757	2,757
Sand/Shale	2,757	2,757	3,115	3,113
Gordon	3,115	3,113	3,154	3,151
Sand/Shale	3,154	3,151	3,173	3,170
Forth Sand	3,173	3,170	3,217	3,213
Sand/Shale	3,217	3,213	3,221	3,217
Bayard	3,221	3,217	3,451	3,441
Sand/Shale	3,451	3,441	3,843	3,819
Speechley	3,843	3,819	4,065	4,033
Sand/Shale	4,065	4,033	4,636	4,585
Riley	4,636	4,585	4,868	4,812
Sand/Shale	4,868	4,812	5,332	5,262
Benson	5,332	5,262	5,480	5,404
Sand/Shale	5,480	5,404	5,794	5,705
Alexander	5,794	5,705	6,110	6,007
Elks	6,110	6,007	7,177	7,034
Sonyea	7,177	7,034	7,348	7,190
Middlesex	7,348	7,190	7,410	7,242
Genesee	7,410	7,242	7,529	7,331
Geneseo	7,529	7,331	7,566	7,355
Tully	7,566	7,355	7,604	7,378
Hamilton	7,604	7,378	7,858	7,479
Marcellus	7,858	7,479	15,225	7,578

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

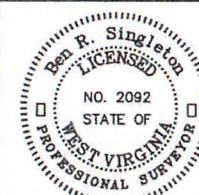
(⊕) Denotes Location of Well on United States Topographic Maps



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.

Ben R. Singleton

P.S. 2092



SEAL

FILE NO: 246-18
 DRAWING NO: BIG245 106H
 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: June 29 20 22
 OPERATOR'S WELL NO.: BIG245 106H
 API WELL NO
47 - 103 - 03442
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1430' WATERSHED Rockcamp Run of Willey Fork QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel
 SURFACE OWNER: ET Blue Grass LLC ACREAGE: 138.93
 ROYALTY OWNER: Shiben Estates, Inc., et al. LEASE NO: 125397 ACREAGE: 140
 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: 7,548'

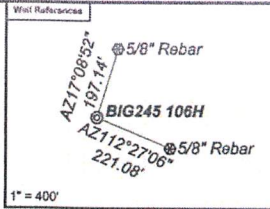
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280
Canonsburg, PA 15317 Bridgeport, WV 26330

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BIG245 106H
BIG245
EQT Production Company

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	8	22	Wetzel	Grant	ET Blue Grass LLC	138.93
2	8	21	Wetzel	Grant	Ikey Joe Willey	78.27
3	8	24	Wetzel	Grant	H. Don Higginbotham	7.10
4	8	39	Wetzel	Grant	H. Don Higginbotham	23.62
5	8	83	Wetzel	Grant	H. Don Higginbotham	138.21
6	13	17	Wetzel	Grant	Mary Higginbotham	112.00
7	13	9	Wetzel	Grant	Mary Higginbotham	30.10
8	8	14	Wetzel	Grant	Uli Neal	51.06
9	8	13.1	Wetzel	Grant	Duane M. Goodrich	3.56
10	8	7	Wetzel	Grant	James E. & Martin A. Stonking	18.12
11	8	8	Wetzel	Grant	Wanda L. Byard	59.18
12	8	15	Wetzel	Grant	John Michael Byard	71.80
13	8	22	Wetzel	Grant	James A. Yoho	17.80
14	8	29	Wetzel	Grant	Mary Jane Byard	16.00
15	8	28	Wetzel	Grant	James A. Yoho	81.00
16	8	25	Wetzel	Grant	James A. Yoho	6.25
17	8	26	Wetzel	Grant	James A. Yoho	23.25
18	8	31	Wetzel	Grant	James A. Yoho	3.00
19	8	30	Wetzel	Grant	James A. Yoho	7.80
20	8	11	Wetzel	Grant	Bonnie M. Hawthorne	63.50
21	8	23	Wetzel	Grant	Dale K. Dulaney, et al.	70.81
22	8	36	Wetzel	Grant	Dale K. & Sherry L. Dulaney	28.82
23	8	27	Wetzel	Grant	James A. Yoho	21.75
24	8	82	Wetzel	Grant	Henry E. Willey	0.28
25	8	61	Wetzel	Grant	Henry E. Willey	2.34
26	8	66	Wetzel	Grant	Marcel L. McDuffie, et al.	9.25
27	13	7	Wetzel	Grant	Marcel L. McDuffie, et al.	51.80
28	13	8	Wetzel	Grant	Robert Cole	36.00
29	8	40	Wetzel	Grant	James A. Yoho	0.50
30	8	41	Wetzel	Grant	H. Don Higginbotham	0.45
31	8	32	Wetzel	Grant	Joe Pigg	62.40
32	8	28	Wetzel	Grant	Sheryl Snider	55.52
33	8	64	Wetzel	Grant	Sheryl Snider	20.00
34	14	7	Wetzel	Grant	Norman Darby	83.00
35	13	27.1	Wetzel	Grant	Jeremy Collins	148.70
36	8	12	Wetzel	Grant	Shirley A. Tius	41.90

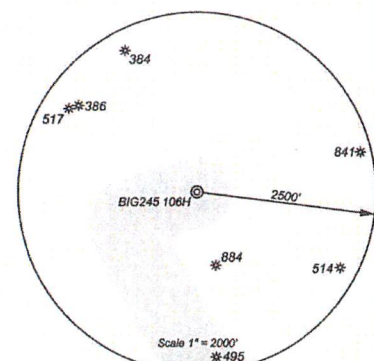


As Drilled Well Information:
BIG245 106H coordinates are
NAD 27 N: 400,723.70 E: 1,898,765.26
NAD 83 UTM N: 4,382,939.03 E: 537,029.52
BIG245 106H Kick Out Point coordinates are
NAD 27 N: 400,727.46 E: 1,898,785.08
NAD 83 UTM N: 4,382,940.17 E: 537,029.44
BIG245 106H Landing Point coordinates are
NAD 27 N: 399,756.53 E: 1,898,006.69
NAD 83 UTM N: 4,382,640.41 E: 536,797.83
BIG245 106H Bottom Hole coordinates are
NAD 27 N: 393,629.68 E: 1,701,674.89
NAD 83 UTM N: 4,380,792.47 E: 537,945.88
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.

- BIG245
- ⊙ BIG245 114H
 - ⊙ BIG245 112H
 - ⊙ BIG245 110H
 - ⊙ BIG245 108H
 - ⊙ BIG245 106H
 - ⊙ BIG245 104H
 - ⊙ BIG245 102H
 - ⊙ 47-103-03235
 - ⊙ 47-103-03236
- 47-103-03234 ⊙

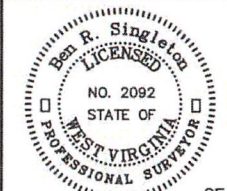
Lease No.	Owner	Acres
102836	Shiben Estates, Inc., et al.	192
994581	Carolyn J. Ferguson, et al.	6.25
125386	Thomas Scott Lovett, III, et al.	27
125374	Jordan Zachary Pigg, et al.	100
125421	H. Don Higginbotham and Lavena Jane Higginbotham	73
125445	PA Mineral Group II, LLC, et al.	121

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P.S. 2092



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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

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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	07/15/2023	15140	14961	40	Marcellus
3	07/17/2023	14942	14763	40	Marcellus
4	07/25/2023	14745	14566	40	Marcellus
5	07/29/2023	14547	14368	40	Marcellus
6	07/29/2023	14350	14171	40	Marcellus
7	08/01/2023	14152	13973	40	Marcellus
8	08/01/2023	13955	13776	40	Marcellus
9	08/02/2023	13757	13578	40	Marcellus
10	08/03/2023	13560	13381	40	Marcellus
11	08/04/2023	13362	13183	40	Marcellus
12	08/04/2023	13165	12986	40	Marcellus
13	08/04/2023	12967	12788	40	Marcellus
14	08/04/2023	12770	12591	40	Marcellus
15	08/05/2023	12572	12393	40	Marcellus
16	08/05/2023	12375	12196	40	Marcellus
17	08/05/2023	12177	11998	40	Marcellus
18	08/05/2023	11980	11801	40	Marcellus
19	08/05/2023	11782	11603	40	Marcellus
20	08/06/2023	11585	11406	40	Marcellus
21	08/06/2023	11387	11208	40	Marcellus
22	08/06/2023	11190	11011	40	Marcellus
23	08/06/2023	10992	10813	40	Marcellus
24	08/07/2023	10795	10616	40	Marcellus
25	08/07/2023	10597	10418	40	Marcellus
26	08/07/2023	10400	10221	40	Marcellus
27	08/08/2023	10202	10023	40	Marcellus
28	08/08/2023	10005	9826	40	Marcellus
29	08/08/2023	9807	9628	40	Marcellus
30	08/08/2023	9610	9431	40	Marcellus
31	08/08/2023	9412	9233	40	Marcellus
32	08/09/2023	9215	9036	40	Marcellus
33	08/09/2023	9017	8838	40	Marcellus
34	08/09/2023	8820	8641	40	Marcellus
35	08/09/2023	8622	8443	40	Marcellus
36	08/09/2023	8425	8246	40	Marcellus
37	08/09/2023	8227	8048	40	Marcellus
38	08/10/2023	8030	7890	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	07/15/2023	83	8483	7261	3997	176416	4296	
2	07/17/2023	100	8319	6304	4081	440448	9722	
3	07/25/2023	100	8205	5147	3744	440596	9696	
4	07/29/2023	100	8135	4553	5139	440442	9658	
5	07/29/2023	99	8674	5564	4581	440177	9655	
6	08/01/2023	64	8939	5707	4053	440117	9636	
7	08/02/2023	97	7784	5344	5156	440596	9556	
8	08/02/2023	76	8785	5996	4792	440192	9657	
9	08/04/2023	96	8204	5799	4690	440319	9641	
10	08/04/2023	98	8155	5641	4546	440112	9631	
11	08/04/2023	99	8314	5991	4621	440382	9641	
12	08/04/2023	97	8854	6041	4674	440082	9629	
13	08/05/2023	99	8021	6066	4990	440099	9604	
14	08/05/2023	68	8535	5611	4725	440124	14223	
15	08/05/2023	99	7894	6070	4420	440408	9622	
16	08/05/2023	99	8011	5559	4608	440435	9597	
17	08/05/2023	99	7909	5860	4670	440136	9582	
18	08/06/2023	99	7639	5627	4906	440086	9566	
19	08/06/2023	99	7808	5791	4483	440100	9545	
20	08/06/2023	99	7833	6010	5174	440405	9565	
21	08/06/2023	100	7914	5642	5208	440454	9552	
22	08/07/2023	72	8702	5491	4914	440120	9540	
23	08/07/2023	97	7496	7290	4603	440106	9535	
24	08/07/2023	97	7775	8395	4690	440081	9510	
25	08/07/2023	100	7554	5332	4898	440380	9538	
26	08/08/2023	99	8474	5716	4495	440113	9507	
27	08/08/2023	99	7716	5379	4859	440115	9501	
28	08/08/2023	100	7825	5563	4899	440343	9512	
29	08/08/2023	100	7706	5525	4536	440583	9514	
30	08/08/2023	99	7678	5571	4651	440073	9489	
31	08/09/2023	99	7674	5457	5097	440040	9487	
32	08/09/2023	99	7205	5648	5255	440084	9470	
33	08/09/2023	94	8566	5665	5298	440006	9483	
34	08/09/2023	100	7516	5510	5221	440324	9471	
35	08/09/2023	100	7513	5643	4842	440143	9459	
36	08/10/2023	99	7420	5609	4724	440058	9443	
37	08/10/2023	99	7906	5656	4572	440083	9437	
38	08/10/2023	98	7934	6063	4347	352366	7617	

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Hydraulic Fracturing Fluid Product Component Information Disclosure

West Virginia Department of

Environmental Protection Job Start Date:	7/14/2023
Job End Date:	9/8/2023
State:	West Virginia
County:	Wetzel
API Number:	47-103-03442-00-00
Operator Name:	EQT Production
Well Name and Number:	BIG245 106H
Latitude:	39.59538250
Longitude:	-80.56872980
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,607
Total Base Water Volume (gal):	15,153,054
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	88.37334	None
Sand (Proppant)	EQT	Proppant	Silica Substrate	14808-60-7	100.00000	11.44545	None
Clearal 268	ChemStream	Biocide	Non-hazardous substances	Proprietary	80.00000	0.00908	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Copolymer of 2-propenamide	Proprietary	30.00000	0.00784	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor	Non-hazardous substances	Proprietary	90.00000	0.00757	None
StimSTREAM FR 9800	ChemStream	Friction Reducer	Petroleum Distillate	64742-47-8	20.00000	0.00348	None
Enviro-Syn HCR-7000-WL	Evolution Well Services	Acid	Proprietary	Proprietary	20.00000	0.00282	None
Enviro-Syn HCR-7000-WL	Evolution Well Services	Acid	Proprietary	Proprietary	10.00000	0.00071	None
Clearal 268	ChemStream	Biocide					

			Glutaraldehyde	111-30-8	20.00000	0.00057	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					
			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 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)

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