PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: PER W55-3H
Well API Number: 37-019-22580-00
Well Coordinates: 40.756596 / -79.80002
Pad Address: 220 Neupert Road, Cabot, PA 16023
State / County / Municipality: PA / Butler / Jefferson
Date / Time of Flowback Start: 12/19/17 17:00
Total Flowback (Hours): 193
Separation Flowback (Hours): 32
Date / Time Well Shut In or Production Startup: 01/22/18 10:00

DATE	01/20/18	01/21/18	01/22/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	10	161
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	32
Duration with No Flowback in Hours	0	0	14	47
Total Daily Hours	24	24	24	240

Date / Time of Each Attempt to Direct Flowback to Separator: 01/15/18 17:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: PER W69-1H
Well API Number: 37-019-22268-00
Well Coordinates: 40.744632 / -79.85408
Pad Address: 300 Victory Road, Saxonburg, PA 16056
State / County / Municipality: PA / Butler / Jefferson
Date / Time of Flowback Start: 10/10/17 6:35
Total Flowback (Hours): 176
Separation Flowback (Hours): 5
Date / Time Well Shut In or Production Startup: 10/17/17 14:00

DATE	10/10/17	10/11/17	10/12/17	10/13/17	10/14/17	10/15/17	10/16/17	10/17/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	13	24	24	24	24	24	24	14	171
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	5	0	0	0	0	0	0	0	5
Duration with No Flowback in Hours	7	0	0	0	0	0	0	10	17
Total Daily Hours	24	24	24	24	24	24	24	24	192

Date / Time of Each Attempt to Direct Flowback to Separator: 10/10/17 11:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: PER W69-3H
Well API Number: 37-019-22192-00
Well Coordinates: 40.744522 / -79.854076
Pad Address: 300 Victory Road, Saxonburg, PA 16056
State / County / Municipality: PA / Butler / Jefferson
Date / Time of Flowback Start: 10/16/17 9:30
Total Flowback (Hours): 29
Separation Flowback (Hours): 2
Date / Time Well Shut In or Production Startup: 10/17/17 14:00

DATE	10/16/17	10/17/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	13	14	27
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	2	0	2
Duration with No Flowback in Hours	10	10	20
Total Daily Hours	24	24	48

Date / Time of Each Attempt to Direct Flowback to Separator: 10/16/17 11:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: PER W69-4H
Well API Number: 37-019-22193-00
Well Coordinates: 40.744467 / -79.854075
Pad Address: 300 Victory Road, Saxonburg, PA 16056
State / County / Municipality: PA / Butler / Jefferson
Date / Time of Flowback Start: 10/17/17 14:00
Total Flowback (Hours): 88
Separation Flowback (Hours): 3
Date / Time Well Shut In or Production Startup: 07/08/17 11:00

DATE	10/17/17	10/18/17	10/19/17	10/20/17	10/21/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	7	24	24	24	6	85
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	3	0	0	0	0	3
Duration with No Flowback in Hours	14	0	0	0	18	32
Total Daily Hours	24	24	24	24	24	120

Date / Time of Each Attempt to Direct Flowback to Separator: 10/17/17 17:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: PER W69-5H
Well API Number: 37-019-22271-00
Well Coordinates: 40.744413 / -79.854073
Pad Address: 300 Victory Road, Saxonburg, PA 16056
State / County / Municipality: PA / Butler / Jefferson
Date / Time of Flowback Start: 10/21/17 10:00
Total Flowback (Hours): 218
Separation Flowback (Hours): 3
Date / Time Well Shut In or Production Startup: 10/30/17 12:00

DATE	10/21/17	10/22/17	10/23/17	10/24/17	10/25/17	10/26/17	10/27/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	11	24	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	3	0	0	0	0	0	0
Duration with No Flowback in Hours	10	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 10/21/17 13:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: PER W69-5H
Well API Number: 37-019-22271-00
Well Coordinates: 40.744413 / -79.854073
Pad Address: 300 Victory Road, Saxonburg, PA 16056
State / County / Municipality: PA / Butler / Jefferson
Date / Time of Flowback Start: 10/21/17 10:00
Total Flowback (Hours): 218
Separation Flowback (Hours): 3
Date / Time Well Shut In or Production Startup: 10/30/17 12:00

DATE	10/28/17	10/29/17	10/30/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	12	215
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	3
Duration with No Flowback in Hours	0	0	12	22
Total Daily Hours	24	24	24	240

Date / Time of Each Attempt to Direct Flowback to Separator: 10/21/17 13:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 1H
Well API Number: 37-019-22717
Well Coordinates: 40.747544 / -79.905139
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/05/18 6:00
Total Flowback (Hours): 218
Separation Flowback (Hours): 161
Date / Time Well Shut In or Production Startup: 06/14/18 7:00

DATE	06/05/18	06/06/18	06/07/18	06/08/18	06/09/18	06/10/18	06/11/18	06/12/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	9	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	18	24	15	0	0	0	0	0
Duration with No Flowback in Hours	6	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 06/07/18 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 1H
Well API Number: 37-019-22717
Well Coordinates: 40.747544 / -79.905139
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/05/18 6:00
Total Flowback (Hours): 218
Separation Flowback (Hours): 161
Date / Time Well Shut In or Production Startup: 06/14/18 7:00

DATE	06/13/18	06/14/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	8	161
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	57
Duration with No Flowback in Hours	0	16	22
Total Daily Hours	24	24	240

Date / Time of Each Attempt to Direct Flowback to Separator: 06/07/18 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 2H
Well API Number: 37-019-22698
Well Coordinates: 40.747525 / -79.905067
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/05/18 6:00
Total Flowback (Hours): 218
Separation Flowback (Hours): 161
Date / Time Well Shut In or Production Startup: 06/14/18 7:00

DATE	06/05/18	06/06/18	06/07/18	06/08/18	06/09/18	06/10/18	06/11/18	06/12/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	9	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	18	24	15	0	0	0	0	0
Duration with No Flowback in Hours	6	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 06/07/18 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 2H
Well API Number: 37-019-22698
Well Coordinates: 40.747525 / -79.905067
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/05/18 6:00
Total Flowback (Hours): 218
Separation Flowback (Hours): 161
Date / Time Well Shut In or Production Startup: 06/14/18 7:00

DATE	06/13/18	06/14/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	8	161
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	57
Duration with No Flowback in Hours	0	16	22
Total Daily Hours	24	24	240

Date / Time of Each Attempt to Direct Flowback to Separator: 06/07/18 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 2H
Well API Number: 37-019-22698
Well Coordinates: 40.747525 / -79.905067
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/08/18 19:00
Total Flowback (Hours): 231
Separation Flowback (Hours): 169
Date / Time Well Shut In or Production Startup: 06/18/18 9:00

DATE	06/08/18	06/09/18	06/10/18	06/11/18	06/12/18	06/13/18	06/14/18	06/15/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	16	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	6	24	24	8	0	0	0	0
Duration with No Flowback in Hours	18	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 06/11/18 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 2H
Well API Number: 37-019-22698
Well Coordinates: 40.747525 / -79.905067
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/08/18 19:00
Total Flowback (Hours): 231
Separation Flowback (Hours): 169
Date / Time Well Shut In or Production Startup: 06/18/18 9:00

DATE	06/16/18	06/17/18	06/18/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	9	169
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	62
Duration with No Flowback in Hours	0	0	15	33
Total Daily Hours	24	24	24	264

Date / Time of Each Attempt to Direct Flowback to Separator: 06/11/18 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 4H
Well API Number: 37-019-22695
Well Coordinates: 40.747567 / -79.905067
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/05/18 6:00
Total Flowback (Hours): 218
Separation Flowback (Hours): 161
Date / Time Well Shut In or Production Startup: 06/14/18 7:00

DATE	06/05/18	06/06/18	06/07/18	06/08/18	06/09/18	06/10/18	06/11/18	06/12/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	9	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	18	24	15	0	0	0	0	0
Duration with No Flowback in Hours	6	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 06/07/18 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 4H
Well API Number: 37-019-22695
Well Coordinates: 40.747567 / -79.905067
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/05/18 6:00
Total Flowback (Hours): 218
Separation Flowback (Hours): 161
Date / Time Well Shut In or Production Startup: 06/14/18 7:00

DATE	06/13/18	06/14/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	8	161
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	57
Duration with No Flowback in Hours	0	16	22
Total Daily Hours	24	24	240

Date / Time of Each Attempt to Direct Flowback to Separator: 06/07/18 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 8H
Well API Number: 37-019-22699
Well Coordinates: 40.74765 / -79.905072
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/05/18 6:00
Total Flowback (Hours): 315
Separation Flowback (Hours): 257
Date / Time Well Shut In or Production Startup: 06/18/18 7:30

DATE	06/05/18	06/06/18	06/07/18	06/08/18	06/09/18	06/10/18	06/11/18	06/12/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	9	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	19	24	15	0	0	0	0	0
Duration with No Flowback in Hours	5	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 06/07/18 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Hofer 8H
Well API Number: 37-019-22699
Well Coordinates: 40.74765 / -79.905072
Pad Address: Anderson Rd, Butler, PA 16002
State / County / Municipality: PA / Butler / Penn Twp
Date / Time of Flowback Start: 06/05/18 6:00
Total Flowback (Hours): 315
Separation Flowback (Hours): 257
Date / Time Well Shut In or Production Startup: 06/18/18 7:30

DATE	06/13/18	06/14/18	06/15/18	06/16/18	06/17/18	06/18/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	8	257
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	58
Duration with No Flowback in Hours	0	0	0	0	0	16	21
Total Daily Hours	24	24	24	24	24	24	336

Date / Time of Each Attempt to Direct Flowback to Separator: 06/07/18 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Bloom 2H
Well API Number: 37-019-22293
Well Coordinates: 40.858797 / -79.996836
Pad Address: 949 Whitestown Road, Butler, PA 16001
State / County / Municipality: PA / Butler / Connoquenessing Twp
Date / Time of Flowback Start: 06/25/18 8:00
Total Flowback (Hours): 337
Separation Flowback (Hours): 262
Date / Time Well Shut In or Production Startup: 07/09/18 8:00

DATE	06/25/18	06/26/18	06/27/18	06/28/18	06/29/18	06/30/18	07/01/18	07/02/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	13	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	11	0	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 06/28/18 10:30
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Bloom 2H
Well API Number: 37-019-22293
Well Coordinates: 40.858797 / -79.996836
Pad Address: 949 Whitestown Road, Butler, PA 16001
State / County / Municipality: PA / Butler / Connoquenessing Twp
Date / Time of Flowback Start: 06/25/18 8:00
Total Flowback (Hours): 337
Separation Flowback (Hours): 262
Date / Time Well Shut In or Production Startup: 07/09/18 8:00

DATE	07/03/18	07/04/18	07/05/18	07/06/18	07/07/18	07/08/18	07/09/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	24	9	262
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	75
Duration with No Flowback in Hours	0	0	0	0	0	0	15	23
Total Daily Hours	24	24	24	24	24	24	24	360

Date / Time of Each Attempt to Direct Flowback to Separator: 06/28/18 10:30
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Bloom 4H
Well API Number: 37-019-22294
Well Coordinates: 40.8588 / -79.996781
Pad Address: 949 Whitestown Road, Butler, PA 16001
State / County / Municipality: PA / Butler / Connoquenessing Twp
Date / Time of Flowback Start: 06/25/18 8:00
Total Flowback (Hours): 337
Separation Flowback (Hours): 240
Date / Time Well Shut In or Production Startup: 07/09/18 8:00

DATE	06/25/18	06/26/18	06/27/18	06/28/18	06/29/18	06/30/18	07/01/18	07/02/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	15	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	9	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 06/29/18 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Bloom 4H
Well API Number: 37-019-22294
Well Coordinates: 40.8588 / -79.996781
Pad Address: 949 Whitestown Road, Butler, PA 16001
State / County / Municipality: PA / Butler / Connoquenessing Twp
Date / Time of Flowback Start: 06/25/18 8:00
Total Flowback (Hours): 337
Separation Flowback (Hours): 240
Date / Time Well Shut In or Production Startup: 07/09/18 8:00

DATE	07/03/18	07/04/18	07/05/18	07/06/18	07/07/18	07/08/18	07/09/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	24	9	240
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	97
Duration with No Flowback in Hours	0	0	0	0	0	0	15	23
Total Daily Hours	24	24	24	24	24	24	24	360

Date / Time of Each Attempt to Direct Flowback to Separator: 06/29/18 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 1H
Well API Number: 37-019-22555
Well Coordinates: 40.72125 / -79.968106
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 405
Separation Flowback (Hours): 327
Date / Time Well Shut In or Production Startup: 11/21/17 6:00

DATE	11/03/17	11/04/17	11/05/17	11/06/17	11/07/17	11/08/17	11/09/17	11/10/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	10	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	14	0	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 1H
Well API Number: 37-019-22555
Well Coordinates: 40.72125 / -79.968106
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 405
Separation Flowback (Hours): 327
Date / Time Well Shut In or Production Startup: 11/21/17 6:00

DATE	11/11/17	11/12/17	11/13/17	11/14/17	11/15/17	11/16/17	11/17/17	11/18/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	13	10	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	0
Duration with No Flowback in Hours	0	0	0	11	14	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 1H
Well API Number: 37-019-22555
Well Coordinates: 40.72125 / -79.968106
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 405
Separation Flowback (Hours): 327
Date / Time Well Shut In or Production Startup: 11/21/17 6:00

DATE	11/19/17	11/20/17	11/21/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	6	327
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	78
Duration with No Flowback in Hours	0	0	18	51
Total Daily Hours	24	24	24	456

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 3H
Well API Number: 37-019-22556
Well Coordinates: 40.72125 / -79.96805
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 313
Separation Flowback (Hours): 234
Date / Time Well Shut In or Production Startup: 11/16/17 8:00

DATE	11/03/17	11/04/17	11/05/17	11/06/17	11/07/17	11/08/17	11/09/17	11/10/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	9	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	15	0	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 3H
Well API Number: 37-019-22556
Well Coordinates: 40.72125 / -79.96805
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 313
Separation Flowback (Hours): 234
Date / Time Well Shut In or Production Startup: 11/16/17 8:00

DATE	11/11/17	11/12/17	11/13/17	11/14/17	11/15/17	11/16/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	9	234
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	79
Duration with No Flowback in Hours	0	0	0	0	0	15	23
Total Daily Hours	24	24	24	24	24	24	336

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 5H
Well API Number: 37-019-22563
Well Coordinates: 40.721247 / -79.968158
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 313
Separation Flowback (Hours): 232
Date / Time Well Shut In or Production Startup: 11/16/17 8:00

DATE	11/03/17	11/04/17	11/05/17	11/06/17	11/07/17	11/08/17	11/09/17	11/10/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	7	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	17	0	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 17:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 5H
Well API Number: 37-019-22563
Well Coordinates: 40.721247 / -79.968158
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 313
Separation Flowback (Hours): 232
Date / Time Well Shut In or Production Startup: 11/16/17 8:00

DATE	11/11/17	11/12/17	11/13/17	11/14/17	11/15/17	11/16/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	9	232
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	81
Duration with No Flowback in Hours	0	0	0	0	0	15	23
Total Daily Hours	24	24	24	24	24	24	336

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 17:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 7H
Well API Number: 37-019-22595
Well Coordinates: 40.721247 / -79.968214
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 313
Separation Flowback (Hours): 234
Date / Time Well Shut In or Production Startup: 11/16/17 8:00

DATE	11/03/17	11/04/17	11/05/17	11/06/17	11/07/17	11/08/17	11/09/17	11/10/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	9	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	15	0	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Wilson 7H
Well API Number: 37-019-22595
Well Coordinates: 40.721247 / -79.968214
Pad Address: List Hill Rd, Valencia, PA 16059
State / County / Municipality: PA / Butler / Adams Twp
Date / Time of Flowback Start: 11/03/17 8:00
Total Flowback (Hours): 313
Separation Flowback (Hours): 234
Date / Time Well Shut In or Production Startup: 11/16/17 8:00

DATE	11/11/17	11/12/17	11/13/17	11/14/17	11/15/17	11/16/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	9	234
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	79
Duration with No Flowback in Hours	0	0	0	0	0	15	23
Total Daily Hours	24	24	24	24	24	24	336

Date / Time of Each Attempt to Direct Flowback to Separator: 11/06/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Kern 1H
Well API Number: 37-019-22593
Well Coordinates: 40.904069 / -79.958494
Pad Address: W. Brewster Rd, Butler, PA 16001
State / County / Municipality: PA / Butler / Center Twp
Date / Time of Flowback Start: 03/10/18 9:00
Total Flowback (Hours): 340
Separation Flowback (Hours): 216
Date / Time Well Shut In or Production Startup: 03/24/18 13:30

DATE	03/10/18	03/11/18	03/12/18	03/13/18	03/14/18	03/15/18	03/16/18	03/17/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	0	12	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	24	12	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 03/15/18 13:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Kern 1H
Well API Number: 37-019-22593
Well Coordinates: 40.904069 / -79.958494
Pad Address: W. Brewster Rd, Butler, PA 16001
State / County / Municipality: PA / Butler / Center Twp
Date / Time of Flowback Start: 03/10/18 9:00
Total Flowback (Hours): 340
Separation Flowback (Hours): 216
Date / Time Well Shut In or Production Startup: 03/24/18 13:30

DATE	03/18/18	03/19/18	03/20/18	03/21/18	03/22/18	03/23/18	03/24/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	22	24	24	14	216
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	124
Duration with No Flowback in Hours	0	0	0	2	0	0	10	20
Total Daily Hours	24	24	24	24	24	24	24	360

Date / Time of Each Attempt to Direct Flowback to Separator: 03/15/18 13:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Kern 3H
Well API Number: 37-019-22594
Well Coordinates: 40.904092 / -79.95845
Pad Address: W. Brewster Rd, Butler, PA 16001
State / County / Municipality: PA / Butler / Center Twp
Date / Time of Flowback Start: 03/10/18 9:00
Total Flowback (Hours): 318
Separation Flowback (Hours): 194
Date / Time Well Shut In or Production Startup: 03/23/18 16:00

DATE	03/10/18	03/11/18	03/12/18	03/13/18	03/14/18	03/15/18	03/16/18	03/17/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	0	12	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	24	12	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 03/15/18 13:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Kern 3H
Well API Number: 37-019-22594
Well Coordinates: 40.904092 / -79.95845
Pad Address: W. Brewster Rd, Butler, PA 16001
State / County / Municipality: PA / Butler / Center Twp
Date / Time of Flowback Start: 03/10/18 9:00
Total Flowback (Hours): 318
Separation Flowback (Hours): 194
Date / Time Well Shut In or Production Startup: 03/23/18 16:00

DATE	03/18/18	03/19/18	03/20/18	03/21/18	03/22/18	03/23/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	22	24	16	194
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	124
Duration with No Flowback in Hours	0	0	0	2	0	8	18
Total Daily Hours	24	24	24	24	24	24	336

Date / Time of Each Attempt to Direct Flowback to Separator: 03/15/18 13:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Kern 5H
Well API Number: 37-019-22596
Well Coordinates: 40.904117 / -79.958406
Pad Address: W. Brewster Rd, Butler, PA 16001
State / County / Municipality: PA / Butler / Center Twp
Date / Time of Flowback Start: 03/10/18 9:00
Total Flowback (Hours): 336
Separation Flowback (Hours): 184
Date / Time Well Shut In or Production Startup: 03/24/18 9:15

DATE	03/10/18	03/11/18	03/12/18	03/13/18	03/14/18	03/15/18	03/16/18	03/17/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	0	0	8	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	24	24	16	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 03/16/18 17:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Kern 5H
Well API Number: 37-019-22596
Well Coordinates: 40.904117 / -79.958406
Pad Address: W. Brewster Rd, Butler, PA 16001
State / County / Municipality: PA / Butler / Center Twp
Date / Time of Flowback Start: 03/10/18 9:00
Total Flowback (Hours): 336
Separation Flowback (Hours): 184
Date / Time Well Shut In or Production Startup: 03/24/18 9:15

DATE	03/18/18	03/19/18	03/20/18	03/21/18	03/22/18	03/23/18	03/24/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	22	24	24	10	184
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	152
Duration with No Flowback in Hours	0	0	0	2	0	0	14	24
Total Daily Hours	24	24	24	24	24	24	24	360

Date / Time of Each Attempt to Direct Flowback to Separator: 03/16/18 17:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Kern 7H
Well API Number: 37-019-22597
Well Coordinates: 40.904142 / -79.958361
Pad Address: W. Brewster Rd, Butler, PA 16001
State / County / Municipality: PA / Butler / Center Twp
Date / Time of Flowback Start: 03/10/18 9:00
Total Flowback (Hours): 341
Separation Flowback (Hours): 172
Date / Time Well Shut In or Production Startup: 03/24/18 14:15

DATE	03/10/18	03/11/18	03/12/18	03/13/18	03/14/18	03/15/18	03/16/18	03/17/18
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	0	0	0	15
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	24	24	24	9
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 03/17/18 9:30
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Kern 7H
Well API Number: 37-019-22597
Well Coordinates: 40.904142 / -79.958361
Pad Address: W. Brewster Rd, Butler, PA 16001
State / County / Municipality: PA / Butler / Center Twp
Date / Time of Flowback Start: 03/10/18 9:00
Total Flowback (Hours): 341
Separation Flowback (Hours): 172
Date / Time Well Shut In or Production Startup: 03/24/18 14:15

DATE	03/18/18	03/19/18	03/20/18	03/21/18	03/22/18	03/23/18	03/24/18	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	22	24	24	15	172
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	169
Duration with No Flowback in Hours	0	0	0	2	0	0	9	19
Total Daily Hours	24	24	24	24	24	24	24	360

Date / Time of Each Attempt to Direct Flowback to Separator: 03/17/18 9:30
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 1H
Well API Number: 37-019-22551
Well Coordinates: 40.94675 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 265
Separation Flowback (Hours): 168
Date / Time Well Shut In or Production Startup: 09/05/17 8:00

DATE	08/25/17	08/26/17	08/27/17	08/28/17	08/29/17	08/30/17	08/31/17	09/01/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	15	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	9	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 1H
Well API Number: 37-019-22551
Well Coordinates: 40.94675 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 265
Separation Flowback (Hours): 168
Date / Time Well Shut In or Production Startup: 09/05/17 8:00

DATE	09/02/17	09/03/17	09/04/17	09/05/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	9	168
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	97
Duration with No Flowback in Hours	0	0	0	15	23
Total Daily Hours	24	24	24	24	288

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 2H
Well API Number: 37-019-22558
Well Coordinates: 40.94671 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 409
Separation Flowback (Hours): 312
Date / Time Well Shut In or Production Startup: 09/11/17 8:00

DATE	08/25/17	08/26/17	08/27/17	08/28/17	08/29/17	08/30/17	08/31/17	09/01/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	15	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	9	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 2H
Well API Number: 37-019-22558
Well Coordinates: 40.94671 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 409
Separation Flowback (Hours): 312
Date / Time Well Shut In or Production Startup: 09/11/17 8:00

DATE	09/02/17	09/03/17	09/04/17	09/05/17	09/06/17	09/07/17	09/08/17	09/09/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	0
Duration with No Flowback in Hours	0	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 2H
Well API Number: 37-019-22558
Well Coordinates: 40.94671 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 409
Separation Flowback (Hours): 312
Date / Time Well Shut In or Production Startup: 09/11/17 8:00

DATE	09/10/17	09/11/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	9	312
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	97
Duration with No Flowback in Hours	0	15	23
Total Daily Hours	24	24	432

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 3HB
Well API Number: 37-019-22552
Well Coordinates: 40.94667 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 265
Separation Flowback (Hours): 169
Date / Time Well Shut In or Production Startup: 09/05/17 8:00

DATE	08/25/17	08/26/17	08/27/17	08/28/17	08/29/17	08/30/17	08/31/17	09/01/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	16	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	8	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 8:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 3HB
Well API Number: 37-019-22552
Well Coordinates: 40.94667 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 265
Separation Flowback (Hours): 169
Date / Time Well Shut In or Production Startup: 09/05/17 8:00

DATE	09/02/17	09/03/17	09/04/17	09/05/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	9	169
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	96
Duration with No Flowback in Hours	0	0	0	15	23
Total Daily Hours	24	24	24	24	288

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 8:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 4H
Well API Number: 37-019-22559
Well Coordinates: 40.94663 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 313
Separation Flowback (Hours): 215
Date / Time Well Shut In or Production Startup: 09/07/17 8:00

DATE	08/25/17	08/26/17	08/27/17	08/28/17	08/29/17	08/30/17	08/31/17	09/01/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	14	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	10	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 10:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Mackrell 4H
Well API Number: 37-019-22559
Well Coordinates: 40.94663 / -79.78108
Pad Address: Bish Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Donegal Twp
Date / Time of Flowback Start: 08/25/17 8:00
Total Flowback (Hours): 313
Separation Flowback (Hours): 215
Date / Time Well Shut In or Production Startup: 09/07/17 8:00

DATE	09/02/17	09/03/17	09/04/17	09/05/17	09/06/17	09/07/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	9	215
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	98
Duration with No Flowback in Hours	0	0	0	0	0	15	23
Total Daily Hours	24	24	24	24	24	24	336

Date / Time of Each Attempt to Direct Flowback to Separator: 08/29/17 10:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 1H
Well API Number: 37-019-22509
Well Coordinates: 41.018367 / -79.847903
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 409
Separation Flowback (Hours): 278
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	11/27/17	11/28/17	11/29/17	11/30/17	12/01/17	12/02/17	12/03/17	12/04/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	0	5	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	24	19	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 12/02/17 19:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 1H
Well API Number: 37-019-22509
Well Coordinates: 41.018367 / -79.847903
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 409
Separation Flowback (Hours): 278
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	12/05/17	12/06/17	12/07/17	12/08/17	12/09/17	12/10/17	12/11/17	12/12/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	0
Duration with No Flowback in Hours	0	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 12/02/17 19:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 1H
Well API Number: 37-019-22509
Well Coordinates: 41.018367 / -79.847903
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 409
Separation Flowback (Hours): 278
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	12/13/17	12/14/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	9	278
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	131
Duration with No Flowback in Hours	0	15	23
Total Daily Hours	24	24	432

Date / Time of Each Attempt to Direct Flowback to Separator: 12/02/17 19:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 2H
Well API Number: 37-019-22541
Well Coordinates: 41.018397 / -79.847943
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 407
Separation Flowback (Hours): 310
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	11/27/17	11/28/17	11/29/17	11/30/17	12/01/17	12/02/17	12/03/17	12/04/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	15	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	9	0	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 12/01/17 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 2H
Well API Number: 37-019-22541
Well Coordinates: 41.018397 / -79.847943
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 407
Separation Flowback (Hours): 310
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	12/05/17	12/06/17	12/07/17	12/08/17	12/09/17	12/10/17	12/11/17	12/12/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	0
Duration with No Flowback in Hours	0	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 12/01/17 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 2H
Well API Number: 37-019-22541
Well Coordinates: 41.018397 / -79.847943
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 407
Separation Flowback (Hours): 310
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	12/13/17	12/14/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	22	9	310
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	97
Duration with No Flowback in Hours	2	15	25
Total Daily Hours	24	24	432

Date / Time of Each Attempt to Direct Flowback to Separator: 12/01/17 9:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 4H
Well API Number: 37-019-22540
Well Coordinates: 41.018425 / -79.847983
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 401
Separation Flowback (Hours): 270
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	11/27/17	11/28/17	11/29/17	11/30/17	12/01/17	12/02/17	12/03/17	12/04/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	0	5	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	16	24	24	24	24	19	0	0
Duration with No Flowback in Hours	8	0	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 12/02/17 19:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 4H
Well API Number: 37-019-22540
Well Coordinates: 41.018425 / -79.847983
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 401
Separation Flowback (Hours): 270
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	12/05/17	12/06/17	12/07/17	12/08/17	12/09/17	12/10/17	12/11/17	12/12/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	23	24	24	24	24	24	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	0	0	0
Duration with No Flowback in Hours	0	1	0	0	0	0	0	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 12/02/17 19:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Manuel 4H
Well API Number: 37-019-22540
Well Coordinates: 41.018425 / -79.847983
Pad Address: 200 Stoops Road, West Sunbury, PA, 16061
State / County / Municipality: PA / Butler / Concord Twp
Date / Time of Flowback Start: 11/27/17 8:30
Total Flowback (Hours): 401
Separation Flowback (Hours): 270
Date / Time Well Shut In or Production Startup: 12/14/17 8:00

DATE	12/13/17	12/14/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	17	9	270
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	131
Duration with No Flowback in Hours	7	15	31
Total Daily Hours	24	24	432

Date / Time of Each Attempt to Direct Flowback to Separator: 12/02/17 19:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Frye 1H
Well API Number: 37-019-22586
Well Coordinates: 40.91978 / -79.85311
Pad Address: Beulah Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Oakland Twp
Date / Time of Flowback Start: 09/18/17 6:30
Total Flowback (Hours): 279
Separation Flowback (Hours): 175
Date / Time Well Shut In or Production Startup: 09/30/17 9:00

DATE	09/18/17	09/19/17	09/20/17	09/21/17	09/22/17	09/23/17	09/24/17	09/25/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	8	24	22	24
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	18	24	24	24	14	0	0	0
Duration with No Flowback in Hours	6	0	0	0	2	0	2	0
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 09/22/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Frye 1H
Well API Number: 37-019-22586
Well Coordinates: 40.91978 / -79.85311
Pad Address: Beulah Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Oakland Twp
Date / Time of Flowback Start: 09/18/17 6:30
Total Flowback (Hours): 279
Separation Flowback (Hours): 175
Date / Time Well Shut In or Production Startup: 09/30/17 9:00

DATE	09/26/17	09/27/17	09/28/17	09/29/17	09/30/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	16	9	175
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	104
Duration with No Flowback in Hours	0	0	0	8	15	33
Total Daily Hours	24	24	24	24	24	312

Date / Time of Each Attempt to Direct Flowback to Separator: 09/22/17 15:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Frye 3H
Well API Number: 37-019-22587
Well Coordinates: 40.91982 / -79.85311
Pad Address: Beulah Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Oakland Twp
Date / Time of Flowback Start: 09/18/17 6:30
Total Flowback (Hours): 279
Separation Flowback (Hours): 174
Date / Time Well Shut In or Production Startup: 09/30/17 10:00

DATE	09/18/17	09/19/17	09/20/17	09/21/17	09/22/17	09/23/17	09/24/17	09/25/17
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	0	0	0	0	7	24	22	23
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	18	24	24	24	15	0	0	0
Duration with No Flowback in Hours	6	0	0	0	2	0	2	1
Total Daily Hours	24	24	24	24	24	24	24	24

Date / Time of Each Attempt to Direct Flowback to Separator: 09/22/17 16:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable

PennEnergy Resources, LLC - Well Development Daily Log
40 CFR 60 Subpart OOOOa

Well Name: Frye 3H
Well API Number: 37-019-22587
Well Coordinates: 40.91982 / -79.85311
Pad Address: Beulah Rd, Chicora, PA 16025
State / County / Municipality: PA / Butler / Oakland Twp
Date / Time of Flowback Start: 09/18/17 6:30
Total Flowback (Hours): 279
Separation Flowback (Hours): 174
Date / Time Well Shut In or Production Startup: 09/30/17 10:00

DATE	09/26/17	09/27/17	09/28/17	09/29/17	09/30/17	Total
Duration of Recovery to Flow (Sales) Line in Hours - *Separation Recovery*	24	24	24	16	10	174
Duration of Flow to Combustion Device (Flare) in Hours - *Separation Combustion*	0	0	0	0	0	0
Duration of Venting in Hours (should be zero, if not explain below) - *Separation Venting*	0	0	0	0	0	0
Duration with Fluids Flowback Only in Hours - *Initial Flowback*	0	0	0	0	0	105
Duration with No Flowback in Hours	0	0	0	8	14	33
Total Daily Hours	24	24	24	24	24	312

Date / Time of Each Attempt to Direct Flowback to Separator: 09/22/17 16:00
Date / Time of Each Occurrence of Returning to Initial Flowback Stage: Not Applicable
Explanation of Venting (if applicable): Not Applicable