



VOLUME IIA

APPENDIX 6A

Updated Tables – June 2015

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TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Supply Laterals:							
Sherwood Lateral	WV	0.00	0.30	Dunkard	sandstone	siltstone	Pd
	WV	0.30	0.42	Monongahela	sandstone	siltstone	PAm
	WV	0.42	0.72	Dunkard	sandstone	siltstone	Pd
	WV	0.72	1.50	Monongahela	sandstone	siltstone	PAm
	WV	1.50	1.67	Dunkard	sandstone	siltstone	Pd
	WV	1.67	1.80	Monongahela	sandstone	siltstone	PAm
	WV	1.80	2.32	Dunkard	sandstone	siltstone	Pd
	WV	2.32	2.67	Monongahela	sandstone	siltstone	PAm
	WV	2.67	3.34	Dunkard	sandstone	siltstone	Pd
	WV	3.34	3.52	Monongahela	sandstone	siltstone	PAm
	WV	3.52	35.62	Dunkard	sandstone	siltstone	Pd
	WV	35.62	35.74	Monongahela	alluvium		Qal
	OH	35.73	36.15	Monongahela Group	shale	siltstone	PAm
	OH	36.15	42.85	Dunkard Group	mudstone	shale	PPAd
	OH	42.85	42.96	Monongahela Group	shale	siltstone	PAm
	OH	42.96	43.74	Dunkard Group	mudstone	shale	PPAd
	OH	43.74	43.81	Monongahela Group	shale	siltstone	PAm
	OH	43.81	46.00	Dunkard Group	mudstone	shale	PPAd
	OH	46.00	46.22	Monongahela Group	shale	siltstone	PAm
	OH	46.22	50.07	Dunkard Group	mudstone	shale	PPAd
OH	50.07	50.59	Monongahela Group	shale	siltstone	PAm	
OH	50.59	52.60	Dunkard Group	mudstone	shale	PPAd	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Sherwood Lateral	OH	52.60	52.77	Monongahela Group	shale	siltstone	PAm
	OH	52.77	54.05	Dunkard Group	mudstone	shale	PPAd
CGT Lateral	WV	0.00	0.30	Monongahela	sandstone	siltstone	PAm
	WV	0.30	5.68	Dunkard	sandstone	siltstone	Pd
Seneca Lateral	OH	0.00	2.08	Monongahela Group	shale	siltstone	PAm
	OH	2.08	2.19	Conemaugh Group	siltstone	shale	PAc
	OH	2.19	2.36	Monongahela Group	shale	siltstone	PAm
	OH	2.36	2.43	Dunkard Group	mudstone	shale	PPAd
	OH	2.43	2.52	Monongahela Group	shale	siltstone	PAm
	OH	2.52	2.64	Dunkard Group	mudstone	shale	PPAd
	OH	2.64	2.69	Monongahela Group	shale	siltstone	PAm
	OH	2.69	2.78	Dunkard Group	mudstone	shale	PPAd
	OH	2.78	2.93	Monongahela Group	shale	siltstone	PAm
	OH	2.93	3.00	Dunkard Group	mudstone	shale	PPAd
	OH	3.00	3.22	Monongahela Group	shale	siltstone	PAm
	OH	3.22	3.32	Conemaugh Group	siltstone	shale	PAc
	OH	3.32	3.53	Monongahela Group	shale	siltstone	PAm
	OH	3.53	3.76	Conemaugh Group	siltstone	shale	PAc
	OH	3.76	4.03	Monongahela Group	shale	siltstone	PAm
	OH	4.03	4.17	Dunkard Group	mudstone	shale	PPAd
	OH	4.17	4.38	Monongahela Group	shale	siltstone	PAm
	OH	4.38	4.48	Dunkard Group	mudstone	shale	PPAd
OH	4.48	4.70	Monongahela Group	shale	siltstone	PAm	
OH	4.70	4.77	Dunkard Group	mudstone	shale	PPAd	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Seneca Lateral	OH	4.77	4.86	Monongahela Group	shale	siltstone	PAm
	OH	4.86	4.95	Dunkard Group	mudstone	shale	PPAd
	OH	4.95	5.22	Monongahela Group	shale	siltstone	PAm
	OH	5.22	5.28	Dunkard Group	mudstone	shale	PPAd
	OH	5.28	5.37	Monongahela Group	shale	siltstone	PAm
	OH	5.37	5.61	Dunkard Group	mudstone	shale	PPAd
	OH	5.61	5.81	Monongahela Group	shale	siltstone	PAm
	OH	5.81	6.03	Dunkard Group	mudstone	shale	PPAd
	OH	6.03	6.09	Monongahela Group	shale	siltstone	PAm
	OH	6.09	6.18	Dunkard Group	mudstone	shale	PPAd
	OH	6.18	6.28	Monongahela Group	shale	siltstone	PAm
	OH	6.28	6.42	Dunkard Group	mudstone	shale	PPAd
	OH	6.42	6.51	Monongahela Group	shale	siltstone	PAm
	OH	6.51	9.26	Dunkard Group	mudstone	shale	PPAd
	OH	9.26	9.46	Monongahela Group	shale	siltstone	PAm
	OH	9.46	10.48	Dunkard Group	mudstone	shale	PPAd
	OH	10.48	10.52	Monongahela Group	shale	siltstone	PAm
	OH	10.52	12.46	Dunkard Group	mudstone	shale	PPAd
	OH	12.46	12.62	Monongahela Group	shale	siltstone	PAm
	OH	12.62	12.93	Dunkard Group	mudstone	shale	PPAd
OH	12.93	13.07	Monongahela Group	shale	siltstone	PAm	
OH	13.07	13.74	Dunkard Group	mudstone	shale	PPAd	
OH	13.74	13.85	Monongahela Group	shale	siltstone	PAm	
OH	13.85	15.66	Dunkard Group	mudstone	shale	PPAd	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Seneca Lateral	OH	15.66	15.75	Monongahela Group	shale	siltstone	PAm
	OH	15.75	25.63	Dunkard Group	mudstone	shale	PPAd
Berne Lateral	OH	0.00	0.52	Monongahela Group	shale	siltstone	PAm
	OH	0.52	0.66	Dunkard Group	mudstone	shale	PPAd
	OH	0.66	1.12	Monongahela Group	shale	siltstone	PAm
	OH	1.12	1.19	Dunkard Group	mudstone	shale	PPAd
	OH	1.19	3.69	Monongahela Group	shale	siltstone	PAm
Clarington Lateral	OH	0.00	1.20	Dunkard Group	mudstone	shale	PPAd
	OH	1.20	1.27	Monongahela Group	shale	siltstone	PAm
	OH	1.27	1.34	Dunkard Group	mudstone	shale	PPAd
	OH	1.34	1.41	Monongahela Group	shale	siltstone	PAm
	OH	1.41	3.92	Dunkard Group	mudstone	shale	PPAd
	OH	3.92	4.30	Monongahela Group	shale	siltstone	PAm
	OH	4.30	4.40	Dunkard Group	mudstone	shale	PPAd
	OH	4.40	4.44	Monongahela Group	shale	siltstone	PAm
	OH	4.44	4.77	Dunkard Group	mudstone	shale	PPAd
	OH	4.77	5.27	Monongahela Group	shale	siltstone	PAm
	OH	5.27	5.86	Dunkard Group	mudstone	shale	PPAd
	OH	5.86	7.05	Monongahela Group	shale	siltstone	PAm
	OH	7.05	11.66	Dunkard Group	mudstone	shale	PPAd
	OH	11.66	11.72	Monongahela Group	shale	siltstone	PAm
	OH	11.72	14.60	Dunkard Group	mudstone	shale	PPAd
OH	14.60	14.75	Monongahela Group	shale	siltstone	PAm	
OH	14.75	15.54	Dunkard Group	mudstone	shale	PPAd	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Clarington Lateral	OH	15.54	16.13	Monongahela Group	shale	siltstone	PAm
	OH	16.13	16.30	Dunkard Group	mudstone	shale	PPAd
	OH	16.30	16.51	Monongahela Group	shale	siltstone	PAm
	OH	16.51	16.64	Dunkard Group	mudstone	shale	PPAd
	OH	16.64	16.94	Monongahela Group	shale	siltstone	PAm
	OH	16.94	17.06	Dunkard Group	mudstone	shale	PPAd
	OH	17.06	17.95	Monongahela Group	shale	siltstone	PAm
	OH	17.95	18.17	Dunkard Group	mudstone	shale	PPAd
	OH	18.17	18.20	Monongahela Group	shale	siltstone	PAm
	OH	18.20	19.17	Dunkard Group	mudstone	shale	PPAd
	OH	19.17	21.30	Monongahela Group	shale	siltstone	PAm
	OH	21.30	21.38	Dunkard Group	mudstone	shale	PPAd
	OH	21.38	28.77	Monongahela Group	shale	siltstone	PAm
	OH	28.77	29.03	Conemaugh Group	siltstone	shale	PPAd
	OH	29.03	29.25	Monongahela Group	shale	siltstone	PAm
	OH	29.25	29.52	Conemaugh Group	siltstone	shale	PAc
	OH	29.52	29.78	Monongahela Group	shale	siltstone	PAm
	OH	29.78	30.07	Conemaugh Group	siltstone	shale	PAc
	OH	30.07	30.30	Monongahela Group	shale	siltstone	PAm
	OH	30.30	31.83	Conemaugh Group	siltstone	shale	PAc
OH	31.83	31.99	Monongahela Group	shale	siltstone	PAm	
OH	31.99	32.65	Conemaugh Group	siltstone	shale	PAc	
Majorsville Lateral	WV	0.00	2.63	Dunkard	sandstone	siltstone	Pd
	WV	2.63	2.99	Monongahela	sandstone	siltstone	PAm

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Majorsville Lateral	WV	2.99	11.39	Dunkard	sandstone	siltstone	Pd
	WV	11.39	11.74	Monongahela	sandstone	siltstone	PAm
	WV	11.74	11.83	Dunkard	sandstone	siltstone	Pd
	WV	11.83	12.09	Monongahela	sandstone	siltstone	PAm
	WV	12.09	12.54	Quaternary Alluvium	alluvium	--	Qal
	OH	12.54	12.62	Conemaugh Group	siltstone	shale	PAC
	OH	12.62	12.98	Monongahela Group	shale	siltstone	PAm
	OH	12.98	13.20	Dunkard Group	mudstone	shale	PPAd
	OH	13.20	13.25	Monongahela Group	shale	siltstone	PAm
	OH	13.25	13.26	Dunkard Group	mudstone	shale	PPAd
	OH	13.26	13.43	Monongahela Group	shale	siltstone	PAm
	OH	13.43	13.50	Dunkard Group	mudstone	shale	PPAd
	OH	13.50	13.68	Monongahela Group	shale	siltstone	PAm
	OH	13.68	20.57	Dunkard Group	mudstone	shale	PPAd
	OH	20.57	20.70	Monongahela Group	shale	siltstone	PAm
	OH	20.70	21.18	Dunkard Group	mudstone	shale	PPAd
	OH	21.18	21.18	Monongahela Group	shale	siltstone	PAm
	OH	21.18	22.21	Dunkard Group	mudstone	shale	PPAd
	OH	22.21	22.33	Monongahela Group	shale	siltstone	PAm
	OH	22.33	22.82	Dunkard Group	mudstone	shale	PPAd
OH	22.82	23.00	Monongahela Group	shale	siltstone	PAm	
OH	23.00	23.25	Dunkard Group	mudstone	shale	PPAd	
OH	23.25	23.30	Monongahela Group	shale	siltstone	PAm	
OH	23.30	23.86	Dunkard Group	mudstone	shale	PPAd	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Cadiz Lateral	OH	0.00	0.28	Monongahela Group	shale	siltstone	PAm
	OH	0.28	0.45	Conemaugh Group	siltstone	shale	PAc
	OH	0.45	1.07	Monongahela Group	shale	siltstone	PAm
	OH	1.07	2.94	Conemaugh Group	siltstone	shale	PAc
	OH	1.75	1.85	Monongahela Group	shale	siltstone	PAm
	OH	1.85	2.94	Conemaugh Group	siltstone	shale	PAc
Burgettstown Lateral	PA	0.00	0.15	Monongahela Group	limestone	shale	PAm
	PA	0.15	1.58	Casselton Formation	shale	siltstone	PAcc
	PA	1.58	1.60	Monongahela Group	limestone	shale	PAm
	PA	1.60	1.88	Casselton Formation	shale	siltstone	PAcc
	PA	1.88	1.93	Monongahela Group	limestone	shale	PAm
	PA	1.93	2.15	Casselton Formation	shale	siltstone	PAcc
	PA	2.15	2.21	Monongahela Group	limestone	shale	PAm
	PA	2.21	3.74	Casselton Formation	shale	siltstone	PAcc
	PA	3.74	4.01	Monongahela Group	limestone	shale	PAm
	PA	4.01	4.09	Casselton Formation	shale	siltstone	PAcc
	PA	4.09	4.37	Monongahela Group	limestone	shale	PAm
	PA	4.37	5.22	Casselton Formation	shale	siltstone	PAcc
	PA	5.22	5.30	Monongahela Group	limestone	shale	PAm
	PA	4.01	4.09	Casselton Formation	shale	siltstone	PAcc
	PA	4.09	4.37	Monongahela Group	limestone	shale	PAm
	PA	4.37	5.65	Casselton Formation	shale	siltstone	PAcc
	PA	5.65	5.81	Monongahela Group	limestone	shale	PAm
PA	5.81	7.78	Casselton Formation	shale	siltstone	PAcc	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Burgettstown Lateral	PA	7.78	7.85	Monongahela Group	limestone	shale	PAm
	PA	7.85	8.69	Casselman Formation	shale	siltstone	PAcc
	PA	8.69	9.00	Glenshaw Formation	shale	sandstone	PAcg
	PA	9.00	9.31	Casselman Formation	shale	siltstone	PAcc
	PA	9.31	9.38	Glenshaw Formation	shale	sandstone	PAcg
	PA	9.38	10.46	Casselman Formation	shale	siltstone	PAcc
	WV	10.46	10.69	Conemaugh	shale	siltstone	PAc
	WV	10.69	10.80	Monongahela	sandstone	siltstone	PAm
	WV	10.80	14.27	Conemaugh	shale	siltstone	PAc
	WV	14.27	14.56	Allegheny Formation	sandstone	siltstone	PAa
	WV	14.56	15.22	Conemaugh	shale	siltstone	PAc
	WV	15.22	15.38	Allegheny Formation	sandstone	siltstone	PAa
	WV	15.38	15.67	Quaternary Alluvium	alluvium		Qal
	OH	15.66	16.30	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	16.30	16.67	Conemaugh Group	siltstone	shale	PAc
	OH	16.67	16.98	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	16.98	18.66	Conemaugh Group	siltstone	shale	PAc
	OH	18.66	18.71	Monongahela Group	shale	siltstone	PAm
	OH	18.71	20.02	Conemaugh Group	siltstone	shale	PAc
	OH	20.02	20.13	Monongahela Group	shale	siltstone	PAm
OH	20.13	20.27	Conemaugh Group	siltstone	shale	PAc	
OH	20.27	20.53	Monongahela Group	shale	siltstone	PAm	
OH	20.53	22.84	Conemaugh Group	siltstone	shale	PAc	
OH	22.84	23.10	Monongahela Group	shale	siltstone	PAm	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Burgettstown Lateral	OH	23.10	23.43	Conemaugh Group	siltstone	shale	PAc
	OH	23.43	23.61	Monongahela Group	shale	siltstone	PAm
	OH	23.61	23.68	Conemaugh Group	siltstone	shale	PAc
	OH	23.68	23.84	Monongahela Group	shale	siltstone	PAm
	OH	23.84	24.25	Conemaugh Group	siltstone	shale	PAc
	OH	24.25	24.39	Monongahela Group	shale	siltstone	PAm
	OH	24.39	24.60	Conemaugh Group	siltstone	shale	PAc
	OH	24.60	24.68	Monongahela Group	shale	siltstone	PAm
	OH	24.68	24.83	Conemaugh Group	siltstone	shale	PAc
	OH	24.83	24.91	Monongahela Group	shale	siltstone	PAm
	OH	24.91	25.30	Conemaugh Group	siltstone	shale	PAc
	OH	25.30	25.77	Monongahela Group	shale	siltstone	PAm
	OH	25.77	27.18	Conemaugh Group	siltstone	shale	PAc
	OH	27.18	27.41	Monongahela Group	shale	siltstone	PAm
	OH	27.41	28.36	Conemaugh Group	siltstone	shale	PAc
	OH	28.36	28.50	Monongahela Group	shale	siltstone	PAm
	OH	28.50	33.01	Conemaugh Group	siltstone	shale	PAc
	OH	33.01	33.11	Monongahela Group	shale	siltstone	PAm
	OH	33.11	35.03	Conemaugh Group	siltstone	shale	PAc
	OH	35.03	35.14	Monongahela Group	shale	siltstone	PAm
OH	35.14	49.29	Conemaugh Group	siltstone	shale	PAc	
OH	49.29	50.40	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap	
OH	50.40	50.56	Conemaugh Group	siltstone	shale	PAc	
OH	50.56	51.20	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Burgettstown Lateral	OH	51.20	51.29	Conemaugh Group	siltstone	shale	PAC
Supply Connector Lines A and B	OH	0.00	0.01	Conemaugh Group	siltstone	shale	OH
	OH	0.01	0.07	Monongahela Group	shale	siltstone	PAC
	OH	0.07	2.29	Conemaugh Group	siltstone	shale	PAm
	OH	2.29	3.05	Monongahela Group	shale	siltstone	PAC
	OH	3.05	3.15	Conemaugh Group	siltstone	shale	PAm
	OH	3.15	3.31	Monongahela Group	shale	siltstone	PAC
	OH	3.31	18.76	Conemaugh Group	siltstone	shale	PAm
Mainlines:							
Mainlines A and B	OH	18.76	19.11	Conemaugh Group	siltstone	shale	PAC
	OH	19.11	19.22	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	19.22	21.02	Conemaugh Group	siltstone	shale	PAC
	OH	21.02	21.18	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	21.18	21.41	Conemaugh Group	siltstone	shale	PAC
	OH	21.41	21.77	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	21.77	22.52	Conemaugh Group	siltstone	shale	PAC
	OH	22.52	22.61	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	22.61	22.74	Conemaugh Group	siltstone	shale	PAC
	OH	22.74	22.93	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	22.93	23.50	Conemaugh Group	siltstone	shale	PAC
	OH	23.50	23.71	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	23.71	23.97	Conemaugh Group	siltstone	shale	PAC
	OH	23.97	30.70	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	30.70	30.81	Conemaugh Group	siltstone	shale	PAC

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Mainlines A and B	OH	30.81	31.16	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	31.16	31.48	Conemaugh Group	siltstone	shale	PAC
	OH	31.48	47.88	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	47.88	48.33	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc
	OH	48.33	57.72	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	57.72	58.68	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc
	OH	58.68	59.25	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	59.25	60.59	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc
	OH	60.59	60.66	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	60.66	60.76	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc
	OH	60.76	61.69	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	61.69	61.85	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc
	OH	61.85	62.02	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	62.02	64.64	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc
	OH	64.64	65.34	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	65.34	65.51	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc
	OH	65.51	66.33	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
	OH	66.33	66.61	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc
	OH	66.61	66.63	Allegheny and Pottsville Groups, Undivided	shale	siltstone	PAap
OH	66.63	111.68	Maxville Limestone; Rushville, Logan, and Cuyhoga Formations, Undivided	shale	siltstone	Mlc	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Mainlines A and B	OH	111.68	116.11	Sunbury Shale	black shale		Ms
	OH	116.11	119.05	Berea Sandstone and Bedford Shale, Undivided	sandstone	shale	Dbb
	OH	119.05	127.66	Ohio Shale	black shale	shale	Do
	OH	127.66	130.63	Olentangy Shale	shale	limestone	DoI
	OH	130.63	131.63	Delaware Limestone	limestone		Dd
	OH	131.63	134.93	Columbus Limestone	limestone	dolostone (dolomite)	Dc
	OH	134.93	137.96	Salina Group	dolostone (dolomite)	shale	Ss
	OH	137.96	138.69	Tymochtee and Greenfield Formations, Undivided	dolostone (dolomite)	shale	Stg
	OH	138.69	139.28	Salina Group	dolostone (dolomite)	shale	Ss
	OH	139.28	141.99	Tymochtee and Greenfield Formations, Undivided	dolostone (dolomite)	shale	Stg
	OH	141.99	145.93	Lockport Dolomite	dolostone (dolomite)		SI
	OH	145.93	147.70	Tymochtee and Greenfield Formations, Undivided	dolostone (dolomite)	shale	Stg
	OH	147.70	153.02	Lockport Dolomite	dolostone (dolomite)		SI
	OH	153.02	153.83	Tymochtee and Greenfield Formations, Undivided	dolostone (dolomite)	shale	Stg
	OH	153.83	169.29	Lockport Dolomite	dolostone (dolomite)		SI
	OH	169.29	169.75	Tymochtee and Greenfield Formations, Undivided	dolostone (dolomite)	shale	Stg
OH	169.75	173.58	Tymochtee and Greenfield Formations, Undivided	dolostone (dolomite)	shale	Stg	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Mainlines A and B	OH	173.58	183.47	Salina Group	dolostone (dolomite)	shale	Ss
	OH	183.47	184.95	Detroit River Group	dolostone (dolomite)	evaporite	Ddr
	OH	184.95	191.57	Dundee Limestone	limestone	dolostone (dolomite)	Ddu
	OH	191.57	194.77	Traverse Group	dolostone (dolomite)	shale	Dts
	OH	194.77	209.39	Antrim Shale	shale	black shale	Da
Market Segment	OH	0.00	8.70	Antrim Shale	shale	black shale	Da
	OH	8.70	12.11	Sunbury and Bedford Formations, Undivided	shale	black shale	MDsd
	OH	12.11	16.12	Antrim Shale	shale	black shale	Da
	OH	16.12	19.97	Sunbury and Bedford Formations, Undivided	shale	black shale	MDsd
	OH	19.97	21.53	Coldwater Shale	shale		Mc
	OH	21.53	24.45	Sunbury and Bedford Formations, Undivided	shale	black shale	MDsd
	OH	24.45	27.39	Coldwater Shale	shale		Mc
	MI	27.39	74.15	Coldwater Shale	shale	limestone	Mc
	MI	74.15	79.00	Marshall Sandstone	sandstone	siltstone	Mm
	MI	79.00	79.54	Coldwater Shale	shale	limestone	Mc
	MI	79.54	80.27	Marshall Sandstone	sandstone	siltstone	Mm
	MI	80.27	85.73	Coldwater Shale	shale	limestone	Mc
	MI	85.73	93.33	Marshall Sandstone	sandstone	siltstone	Mm
	MI	93.33	93.88	Michigan Formation	shale	black shale	Mmi
	MI	93.88	94.36	Bayport Limestone	limestone	dolostone (dolomite)	Mb
MI	94.36	96.63	Saginaw Formation	sandstone	shale	PAs	

TABLE 6A-3
Bedrock Geology Crossed by the Pipelines

Pipeline Segment	State	Begin MP	End MP	Formation	Description		Map Symbol
					Primary	Secondary	
Market Segment	MI	96.63	97.23	Bayport Limestone	limestone	dolostone (dolomite)	Mb
	MI	97.23	100.0	Michigan Formation	shale	black shale	Mmi

Sources: USGS 2007a; USGS, 2007b; USGS, 2008.

TABLE 6A-5
Mines within 0.25 mile of the Pipelines

Pipeline Segment	Begin MP	End MP	Distance/ Direction*	Name/Owner	Surface or Underground	Material	Status
Supply Laterals:							
Sherwood Lateral	--	--	--	--	None identified	--	
CGT Lateral	--	--	--	--	None identified	--	
Seneca Lateral	21.57	21.83	--	NORTH AMERICAN COAL CORP.	Underground	Coal	Abandoned
	23.55	25.63	--	NORTH AMERICAN COAL CORP.	Underground	Coal	Abandoned
	23.74	23.75	0.00	QUARTO MINING CO	Surface	Coal	Active
	23.77	23.82	0.00	QUARTO MINING CO	Surface	Coal	Active
Berne Lateral	0.35	0.35	-1756	Christman Quarry	Surface	Stone, Crushed/Broken	Active
	1.19	1.19	1003.77	Christman Quarry	Surface	Limestone	Inactive
Clarington Lateral	0.00	4.06	--	NORTH AMERICAN COAL CORP.	Underground	Coal	Abandoned
	4.05	5.84	--	Unknown	Underground	Coal	Active
	5.11	6.15	-1058.93	CRAVAT COAL CO	Surface	Coal	Active
	6.28	6.39	-1025.94	BELMONT COAL INC	Surface	Coal	Active
	6.64	6.77	--	CAPTINA COAL CO.	Underground	Coal	Abandoned
	6.89	7.06	--	CROW OIL & GAS CO.	Underground	Coal	Abandoned
	7.58	8.10	--	NORTH AMERICAN COAL CO.	Underground	Coal	Abandoned
	8.72	14.31	--	Unknown	Underground	Coal	Active
	14.41	15.18	--	Y & O COAL CO.	Underground	Coal	Abandoned
	15.42	15.47	1020.90	MARIETTA COAL CO	Surface	Coal	Active
	16.01	16.65	0.00	R & F COAL CO	Surface	Coal	Active
	16.02	18.10	--	Unknown	Underground	Coal	Active
	17.00	17.01	0.00	R & F COAL CO	Surface	Coal	Active
	17.06	17.06	0.00	R & F COAL CO	Surface	Coal	Active
18.10	18.83	--	SAGINAW MINING CO.	Underground	Coal	Abandoned	
19.75	19.80	0.00	R & F COAL CO	Surface	Coal	Active	

TABLE 6A-5
Mines within 0.25 mile of the Pipelines

Pipeline Segment	Begin MP	End MP	Distance/ Direction*	Name/Owner	Surface or Underground	Material	Status
Clarington Lateral	19.82	19.84	0.00	R & F COAL CO	Surface	Coal	Active
	20.30	20.33	--	PROGRESS COAL CO.	Underground	Coal	Abandoned
	20.47	20.89	0.00	R & F COAL CO	Surface	Coal	Active
	20.53	20.81	--	PROGRESS COAL CO.	Underground	Coal	Abandoned
	20.91	20.92	0.00	R & F COAL CO	Surface	Coal	Active
	21.33	21.35	--	ELM GROVE MINING CO.	Underground	Coal	Abandoned
	21.84	22.47	-1189.15	BANNOCK COAL CO	Surface	Coal	Active
	22.07	22.19	0.00	R & F COAL CO	Surface	Coal	Active
	22.22	22.24	--	ELM GROVE MINING CO.	Underground	Coal	Abandoned
	22.23	25.67	-1201.44	THE OHIO RIVER COLLIERIES CO	Surface	Coal	Active
	22.44	22.58	--	WARNER COLLIERIES	Underground	Coal	Abandoned
	22.62	22.63	1206.36	BANNOCK COAL CO	Surface	Coal	Active
	22.68	22.85	--	MONACO COAL MINING CO.	Underground	Coal	Abandoned
	23.16	23.49	--	MONACO COAL MINING CO.	Underground	Coal	Abandoned
	24.34	25.51	--	CONSOLIDATION COAL CO.	Underground	Coal	Abandoned
	26.12	26.18	--	CONSOLIDATION COAL CO.	Underground	Coal	Abandoned
	26.21	26.26	--	CONSOLIDATION COAL CO.	Underground	Coal	Abandoned
	26.29	27.64	--	CONSOLIDATION COAL CO.	Underground	Coal	Abandoned
	26.32	27.25	0.00	CONSOLIDATION COAL CO	Surface	Coal	Active
	27.36	27.53	0.00	CONSOLIDATION COAL CO	Surface	Coal	Active
	27.71	27.82	0.00	CONSOLIDATION COAL CO	Surface	Coal	Active
	28.08	28.24	0.00	R & F COAL CO	Surface	Coal	Active
28.23	28.27	-917.28	CONSOLIDATION COAL CO	Surface	Coal	Active	
28.27	28.31	0.00	CONSOLIDATION COAL CO	Surface	Coal	Active	
29.31	29.91	0.00	CONSOLIDATION COAL CO	Surface	Coal	Active	

TABLE 6A-5
Mines within 0.25 mile of the Pipelines

Pipeline Segment	Begin MP	End MP	Distance/ Direction*	Name/Owner	Surface or Underground	Material	Status
Clarington Lateral	30.14	30.41	0.00	CONSOLIDATION COAL CO	Surface	Coal	Active
	30.71	30.72	0.00	ENSURCO ASSOCIATES INC	Surface	Limestone	Active
	30.84	30.85	0.00	ENSURCO ASSOCIATES INC	Surface	Limestone	Active
Majorsville Lateral	0.57	2.03	--	CONSOL ENERGY	Underground	Unknown	Active
	5.34	6.96	--	CONSOL ENERGY	Underground	Unknown	Active
	7.14	7.65	--	CONSOL ENERGY	Underground	Unknown	Active
	8.17	8.41	--	Hitchman Coal & Coke Co.	Underground	Coal	Active
	8.63	8.71	--	Hitchman Coal & Coke Co.	Underground	Coal	Active
	9.53	9.71	--	Hitchman Coal & Coke Co.	Underground	Coal	Active
	9.75	9.79	--	Hitchman Coal & Coke Co.	Underground	Coal	Active
	10.01	10.13	--	Hitchman Coal & Coke Co.	Underground	Coal	Active
	10.24	10.93	--	Hitchman Coal & Coke Co.	Underground	Coal	Active
	11.12	11.16	--	Hitchman Coal & Coke Co.	Underground	Coal	Active
	12.41	14.05	--	CAMBRIA COLLERIES CO.	Underground	Coal	Abandoned
	14.11	14.41	--	RAIL & RIVER COAL CO.	Underground	Coal	Abandoned
	14.42	16.13	--	RAIL & RIVER COAL CO.	Underground	Coal	Abandoned
	15.22	17.20	--	RAIL & RIVER COAL CO.	Underground	Coal	Abandoned
	17.22	17.62	--	CAMBRIA MINING CO.	Underground	Coal	Abandoned
	17.63	19.37	--	NORTH AMERICAN COAL CO.	Underground	Coal	Abandoned
	19.40	19.55	--	NORTH AMERICAN COAL CO.	Underground	Coal	Abandoned
	19.59	20.31	--	NORTH AMERICAN COAL CO.	Underground	Coal	Abandoned
	20.90	22.24	--	NORTH AMERICAN COAL CO.	Underground	Coal	Abandoned
22.30	23.18	--	Unknown	Underground	Coal	Active	
22.41	22.56	0.00	CRAVAT COAL CO	Surface	Coal	Active	

TABLE 6A-5
Mines within 0.25 mile of the Pipelines

Pipeline Segment	Begin MP	End MP	Distance/ Direction*	Name/Owner	Surface or Underground	Material	Status
	23.28	23.55	--	Unknown	Underground	Coal	Active
Cadiz Lateral	0.00	0.94	0.00	CONSOLIDATION COAL CO	Surface	Coal	Active
Burgettstown Lateral	0.00	0.38	--	Unknown	Underground	Coal	Abandoned
	2.08	2.33	--	Unknown	Underground	Coal	Abandoned
	4.18	4.40	--	Unknown	Underground	Coal	Abandoned
	15.24	15.35	-1632	Unknown	Surface	Coal	Active
	15.51	15.52	-1632	Unknown	Surface	Coal	Active
	16.28	16.60	--	KAUL CLAY MFG. CO.	Underground	Clay	Abandoned
	16.36	16.45	--	KAUL-OBBERKIRCH CO.	Underground	Coal	Abandoned
	16.84	16.85	--	KAUL CLAY CO.	Underground	Clay	Abandoned
	16.89	16.98	--	KAUL CLAY CO.	Underground	Clay	Abandoned
	16.92	16.96	--	RUTLEDGE BROS.	Underground	Coal	Abandoned
	16.97	17.01	--	MORELLI COAL CO.	Underground	Coal	Abandoned
	16.98	17.13	--	KAUL CLAY CO.	Underground	Clay	Abandoned
	17.08	17.10	--	RUTLEDGE BROS.	Underground	Coal	Abandoned
	20.22	20.31	0.00	S & D CONSTRUCTION CORP	Surface	Coal	Active
	25.52	25.67	-1035.26	THE OHIO RIVER COLLIERIES CO	Surface	Coal	Active
	29.36	29.80	--	NORTH AMERICAN COAL CO.	Underground	Coal	Abandoned
	34.28	34.42	--	Y & O COAL CO.	Underground	Coal	Abandoned
	34.43	34.45	--	Y & O COAL CO.	Underground	Coal	Abandoned
	34.93	35.57	--	Y & O COAL CO.	Underground	Coal	Abandoned
	35.59	35.62	--	Y & O COAL CO.	Underground	Coal	Abandoned
35.63	35.65	--	Y & O COAL CO.	Underground	Coal	Abandoned	
35.70	35.77	--	Y & O COAL CO.	Underground	Coal	Abandoned	
35.84	35.95	--	Y & O COAL CO.	Underground	Coal	Abandoned	

TABLE 6A-5
Mines within 0.25 mile of the Pipelines

Pipeline Segment	Begin MP	End MP	Distance/ Direction*	Name/Owner	Surface or Underground	Material	Status
Burgettstown Lateral	49.63	50.05	--	Unknown	Underground	Coal	Active
	50.18	50.84	--	Unknown	Underground	Coal	Active
Mainlines:							
Supply Connector Lines A and B	2.19	3.09	0.00	R & F COAL CO	Surface	Coal	Active
	3.16	3.37	0.00	R & F COAL CO	Surface	Coal	Active
	15.37	18.23	--	Unknown	Underground	Coal	Active
	16.14	16.38	0.00	PUSKARICH MINING INC	Surface	Coal	Active
	18.43	18.50	--	MUSKINGUM COAL CO.	Underground	Coal	Abandoned
Mainlines A and B	19.36	19.94	--	Unknown	Underground	Unknown	Active
	20.16	21.49	--	Unknown	Underground	Unknown	Active
	21.65	22.18	--	SOMERS MINING CO.	Underground	Coal	Abandoned
	25.47	25.80	0.00	PUSKARICH MINING INC	Surface	Limestone	Active
	25.85	25.90	0.00	PUSKARICH MINING INC	Surface	Limestone	Active
	26.02	26.05	0.00	PUSKARICH MINING INC	Surface	Limestone	Active
	30.32	30.68	0.00	RED MALCUT INC	Surface	Coal	Active
	30.83	31.41	0.00	RED MALCUT INC	Surface	Coal	Active
	31.01	31.10	--	Markley, George J.	Underground	Coal	Abandoned
	31.22	31.75	--	Federal Clay Products Co.	Underground	Clay, Coal	Abandoned
	32.10	32.12	--	Strong, W.G.	Underground	Coal	Abandoned
	32.18	32.70	-782	MILLER MINING INC	Surface	Coal	Inactive
	32.20	32.26	--	Strong, W.G.	Underground	Coal	Abandoned
	38.84	38.86	0.00	COUNTYWIDE LANDFILL INC	Surface	Coal	Inactive
	39.26	39.27	835.66	COUNTYWIDE LANDFILL INC	Surface	Coal	Inactive
46.08	46.11	0.00	WILMOT MINING CO	Surface	Coal	Inactive	

TABLE 6A-5
Mines within 0.25 mile of the Pipelines

Pipeline Segment	Begin MP	End MP	Distance/ Direction*	Name/Owner	Surface or Underground	Material	Status
Mainlines A and B	51.87	52.78	1047.91	MULLET COAL CO	Surface	Coal	Active
	55.32	57.85	1615.66	SALT CREEK CORP	Surface	Coal	Active
Market Segment	-	-	-	None	-	-	-
Sources: ODNR, 2014; PASDA, 2014; USGS, 2014e; WVGS, 2014. Notes: * = Units are in feet. Distance of 0.0 indicates the permitted footprint of a surface mine is crossed. Direction: positive number is either north or east of the centerline; negative number is either west or south. Underground mines have no distance or direction.							

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Supply Laterals:				
Sherwood Lateral	0.00	-1220.92	Unknown	Active Well
	0.00	-1220.26	Unknown	Active Well
	0.00	726.57	Gas Well	Active Well
	0.00	727.52	Gas Well	Active Well
	0.01	-499.75	Unknown	Active Well
	0.01	-514.18	Gas Well	Active Well
	0.19	-1145.06	Unknown	Active Well
	0.19	-1133.85	Gas Well	Active Well
	0.34	208.67	Unknown	Active Well
	0.34	-583.02	Unknown	Active Well
	0.34	205.66	Gas Well	Active Well
	0.50	-772.50	Gas Well	Active Well
	0.50	-750.47	Unknown	Active Well
	0.64	32.05	Unknown	Active Well
	0.65	18.11	Gas Well	Active Well
	1.06	-933.38	Unknown	Active Well
	1.06	-929.96	Gas Well	Active Well
	1.23	745.55	Unknown	Active Well
	1.23	736.36	Gas Well	Active Well
	1.43	296.15	Gas Well	Active Well
	1.43	302.51	Unknown	Active Well
	1.59	692.95	Gas Well	Active Well
	1.59	688.90	Unknown	Active Well
	1.61	-988.57	Unknown	Active Well
	1.62	-986.51	Gas Well	Active Well
	1.68	-706.18	Unknown	Active Well
	1.68	-691.82	Gas Well	Active Well
	1.84	224.80	Gas Well	Active Well
	1.84	228.97	Unknown	Active Well
	2.04	690.35	Unknown	Active Well
	2.04	692.04	Gas Well	Active Well
	2.13	-154.99	Gas Well	Active Well
	2.13	-155.66	Unknown	Active Well
	2.21	-1163.24	Unknown	Active Well
2.26	242.90	Unknown	Active Well	
2.26	246.51	Gas Well	Active Well	
2.42	1296.50	Gas Well	Active Well	
2.42	1293.57	Unknown	Active Well	
2.55	-500.28	Gas Well	Active Well	
2.59	-1222.72	Unknown	Active Well	
2.59	-1226.14	Gas Well	Active Well	
3.10	-1008.32	Gas Well	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Sherwood Lateral	3.10	-1000.37	Unknown	Active Well
	3.83	-195.42	Unknown	Active Well
	3.83	-178.18	Gas Well	Active Well
	3.98	-836.98	Gas Well	Active Well
	4.42	-435.15	Gas Well	Active Well
	4.42	-432.19	Unknown	Active Well
	4.43	-1033.33	Unknown	Active Well
	4.43	-1028.02	Gas Well	Active Well
	4.58	-338.87	Gas Well	Active Well
	4.58	-345.17	Unknown	Active Well
	4.79	711.56	Unknown	Active Well
	4.79	699.03	Gas Well	Active Well
	5.02	-121.42	Gas Well	Active Well
	5.02	-115.38	Unknown	Active Well
	5.02	-763.68	Unknown	Active Well
	5.02	-765.72	Gas Well	Active Well
	5.24	300.31	Unknown	Active Well
	5.24	301.03	Gas Well	Abandoned Well
	5.48	1313.43	Unknown	Active Well
	5.54	-518.60	Unknown	Active Well
	5.54	-531.14	Gas Well	Active Well
	5.90	1311.30	Unknown	Active Well
	5.91	1317.14	Gas Well	Active Well
	5.92	-1281.21	Gas Well	Active Well
	5.93	-1274.00	Unknown	Active Well
	6.08	-819.41	Gas Well	Active Well
	6.08	-809.71	Unknown	Active Well
	6.18	201.65	Gas Well	Active Well
	6.18	211.56	Unknown	Active Well
	6.30	-982.92	Gas Well	Active Well
	6.30	-992.68	Unknown	Active Well
	6.38	612.45	Gas Well	Active Well
	6.38	601.10	Unknown	Active Well
	6.76	1225.30	Gas Well	Active Well
6.76	1228.22	Unknown	Active Well	
7.04	50.70	Gas Well	Active Well	
7.04	47.90	Unknown	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Sherwood Lateral	7.45	-547.17	Unknown	Active Well
	7.45	-545.70	Gas Well	Active Well
	7.74	661.89	Gas Well	Active Well
	7.74	646.19	Unknown	Active Well
	8.06	-396.61	Unknown	Active Well
	8.06	-395.01	Gas Well	Active Well
	8.34	-173.05	Unknown	Active Well
	8.35	-188.22	Gas Well	Active Well
	8.57	-619.71	Unknown	Active Well
	8.57	-629.06	Gas Well	Active Well
	8.62	-723.11	Unknown	Active Well
	8.62	-729.66	Gas Well	Active Well
	8.65	751.46	Gas Well	Active Well
	8.65	757.03	Unknown	Active Well
	8.88	531.16	Unknown	Active Well
	8.88	532.55	Gas Well	Active Well
	9.04	-438.10	Unknown	Active Well
	9.05	-1082.13	Unknown	Active Well
	9.06	-1080.15	Gas Well	Active Well
	9.18	-210.35	Gas Well	Active Well
	9.18	-222.65	Unknown	Active Well
	9.21	166	Oil Well	Active Weel
	9.24	468.98	Unknown	Active Well
	9.44	568.15	Unknown	Active Well
	9.44	571.15	Gas Well	Active Well
	9.59	952.26	Unknown	Active Well
	9.61	201.04	Unknown	Active Well
	9.61	-721.16	Unknown	Active Well
	9.61	199.91	Gas Well	Active Well
	9.72	-1119.20	Gas Well	Active Well
	9.72	-1110.72	Unknown	Active Well
	9.78	-841.72	Unknown	Active Well
	9.85	-93.11	Unknown	Active Well
	9.98	-938.04	Unknown	Active Well
9.99	291.11	Unknown	Active Well	
10.00	574.64	Unknown	Active Well	
10.06	-1243.33	Unknown	Active Well	
10.06	-1256.64	Gas Well	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Sherwood Lateral	10.14	223.16	Gas Well	Active Well
	10.14	204.56	Unknown	Active Well
	10.33	-960.21	Unknown	Active Well
	10.33	-965.25	Unknown	Active Well
	10.38	191	Gas Well	Active Well
	10.42	-281.90	Unknown	Active Well
	10.56	274.94	Unknown	Active Well
	10.56	275.35	Gas Well	Active Well
	10.79	-1182.72	Unknown	Active Well
	10.81	-572.66	Unknown	Active Well
	10.81	-579.52	Unknown	Active Well
	11.04	621.32	Gas Well	Active Well
	11.04	636.88	Unknown	Active Well
	11.33	-575.80	Gas Well	Active Well
	11.33	-571.72	Unknown	Active Well
	11.47	877.13	Unknown	Active Well
	11.47	870.58	Gas Well	Active Well
	11.70	1253.83	Unknown	Active Well
	11.70	1267.38	Gas Well	Active Well
	11.81	-270.02	Unknown	Active Well
	11.81	-278.45	Gas Well	Active Well
	11.87	-688.55	Unknown	Active Well
	11.87	-679.46	Gas Well	Active Well
	11.91	-872.96	Gas Well	Active Well
	11.91	-871.37	Unknown	Active Well
	11.97	840.09	Gas Well	Active Well
	11.97	830.47	Unknown	Active Well
	12.01	-288.89	Unknown	Active Well
	12.01	-300.48	Gas Well	Active Well
	12.07	-434.83	Gas Well	Active Well
	12.07	-446.07	Unknown	Active Well
	12.34	-354.79	Unknown	Active Well
	12.35	-360.55	Gas Well	Active Well
12.54	830.00	Unknown	Active Well	
12.54	835.12	Gas Well	Active Well	
12.76	-732.24	Unknown	Active Well	
12.76	-732.19	Gas Well	Active Well	
12.89	630.50	Gas Well	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Sherwood Lateral	12.89	628.40	Unknown	Active Well
	13.10	-277.11	Unknown	Active Well
	13.10	-289.06	Unknown	Active Well
	13.12	66	Gas Well	Active Well
	13.21	491.21	Gas Well	Active Well
	13.21	505.56	Unknown	Active Well
	13.21	505.90	Gas Well	Active Well
	13.40	-906.52	Unknown	Active Well
	13.40	-892.89	Unknown	Active Well
	13.54	985.13	Gas Well	Active Well
	13.54	971.02	Unknown	Active Well
	13.56	-615.49	Gas Well	Active Well
	13.56	-609.28	Gas Well	Active Well
	13.80	40.38	Unknown	Active Well
	13.81	44.71	Unknown	Active Well
	13.88	1282.31	Gas Well	Active Well
	13.88	1277.14	Unknown	Active Well
	13.92	-1241.42	Gas Well	Active Well
	13.92	-1248.43	Gas Well	Active Well
	13.95	-242.64	Unknown	Active Well
	13.96	-252.35	Gas Well	Active Well
	14.02	535.88	Unknown	Active Well
	14.02	555.22	Unknown	Active Well
	14.23	-55.20	Unknown	Active Well
	14.23	-43.89	Unknown	Active Well
	14.28	727.24	Unknown	Active Well
	14.28	744.05	Gas Well	Active Well
	14.48	10.80	Gas Well	Active Well
	14.49	25.38	Unknown	Active Well
	14.51	-1012.86	Gas Well	Active Well
	14.51	-1024.61	Unknown	Active Well
	14.62	38.91	Gas Well	Active Well
	14.62	38.91	Gas Well	Active Well
14.72	61.87	Unknown	Active Well	
14.72	78.01	Gas Well	Active Well	
14.95	-222.08	Gas Well	Active Well	
14.95	-212.81	Unknown	Active Well	
15.09	-972.39	Gas Well	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Sherwood Lateral	15.09	-971.39	Unknown	Active Well
	15.29	724.55	Unknown	Active Well
	15.35	230.65	Gas Well	Active Well
	15.35	234.64	Unknown	Active Well
	15.58	-538.71	Unknown	Active Well
	15.58	-551.94	Gas Well	Active Well
	15.83	576.78	Unknown	Active Well
	15.83	589.91	Unknown	Active Well
	16.17	-804.67	Gas Well	Active Well
	16.17	-792.60	Gas Well	Active Well
	16.28	173.31	Unknown	Active Well
	16.28	176.10	Unknown	Active Well
	16.40	-615.24	Gas Well	Active Well
	16.40	-624.45	Unknown	Active Well
	16.71	-949.35	Gas Well	Active Well
	16.71	-948.28	Unknown	Active Well
	16.89	804.82	Unknown	Active Well
	16.89	805.75	Unknown	Active Well
	16.89	813.75	Unknown	Active Well
	17.07	-77	Gas Well	Active Well
	17.11	60.02	Gas Well	Active Well
	17.11	59.70	Gas Well	Active Well
	17.11	58.94	Unknown	Active Well
	17.41	-1311.79	Unknown	Active Well
	17.41	-1299.25	Unknown	Active Well
	17.62	-1029.73	Unknown	Active Well
	17.62	-1039.87	Gas Well	Active Well
	17.62	-1039.14	Unknown	Active Well
	18.33	-489.98	Unknown	Active Well
	18.33	-490.43	Gas Well	Active Well
	18.34	-487.32	Unknown	Active Well
	18.42	-101 to 111	(4) Gas Wells	Unknown
	18.46	244.88	Unknown	Active Well
	18.46	256.21	Unknown	Active Well
18.46	255.33	Unknown	Active Well	
18.64	156.08	Unknown	Active Well	
18.64	156.03	Unknown	Active Well	
18.64	148.19	Gas Well	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Sherwood Lateral	18.66	1102.80	Unknown	Active Well
	18.66	1103.67	Unknown	Active Well
	18.66	1111.73	Gas Well	Active Well
	20.43	572.44	Gas Well	Active Well
	20.43	572.44	Gas Well	Active Well
	20.44	610.34	Gas Well	Active Well
	20.44	610.34	Gas Well	Active Well
	20.44	610.34	Gas Well	Active Well
	20.44	610.34	Gas Well	Active Well
	20.44	598.29	Gas Well	Active Well
	20.44	573.98	Gas Well	Active Well
	20.44	573.98	Gas Well	Active Well
	27.34	573.13	Unknown	Active Well
	27.34	580.48	Gas Well	Active Well
	28.19	-585.47	Unknown	Active Well
	28.19	-586.65	Unknown	Active Well
	28.37	-415.67	Gas Well	Active Well
	28.37	-414.27	Unknown	Active Well
	28.62	-561.30	Unknown	Active Well
	28.63	-575.59	Unknown	Active Well
	28.67	-144.08	Unknown	Active Well
	28.67	-134.12	Unknown	Active Well
	28.76	1212.61	Unknown	Active Well
	30.82	437.79	Unknown	Active Well
	30.82	433.56	Unknown	Active Well
	30.90	-1064.93	Unknown	Active Well
	30.90	-1058.00	Unknown	Active Well
	35.14	743.58	Unknown	Active
	35.90	-52.83	Gas	Active
	37.44	706.21	Gas	Active
	37.44	743.98	Gas	Active
	37.44	737.42	Gas	Active
	43.50	-1222.89	Oil	Active
44.11	132	Oil	Unknown	
44.13	-143.42	Unknown	Active	
45.60	837.06	Unknown	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Sherwood Lateral	46.13	793.86	Oil	Active
	47.25	1155.35	Gas	Active
	48.56	736.44	Unknown	Active
	50.62	851.97	Unknown	Active
CGT Lateral	0.00	-1200.93	Unknown	Active Well
	0.00	-1190.51	Gas Well	Active Well
	0.00	713.32	Gas Well	Active Well
	0.00	724.48	Unknown	Active Well
	0.01	758.49	Unknown	Active Well
	0.20	-380.49	Gas Well	Active Well
	0.20	-387.12	Unknown	Active Well
	1.06	634.37	Unknown	Active Well
	1.06	646.73	Gas Well	Active Well
	1.23	-656.80	Gas Well	Active Well
	1.23	-656.87	Unknown	Active Well
	1.52	628.22	Unknown	Active Well
	1.52	636.62	Gas Well	Active Well
	1.59	-964.47	Gas Well	Active Well
	1.59	-964.26	Unknown	Active Well
	1.72	429.57	Unknown	Active Well
	1.72	428.31	Gas Well	Active Well
	1.74	-856.30	Gas Well	Active Well
	1.74	-846.34	Unknown	Active Well
	1.93	593.10	Unknown	Active Well
	1.93	578.73	Gas Well	Active Well
	2.61	354.21	Gas Well	Active Well
	2.62	349.80	Unknown	Active Well
	2.67	-30.93	Unknown	Active Well
	2.67	-32.79	Gas Well	Active Well
	2.92	-721.65	Gas Well	Active Well
	2.92	-715.52	Unknown	Active Well
	2.99	58.10	Gas Well	Abandoned Well
3.12	-594.41	Gas Well	Abandoned Well	
3.29	923.74	Gas Well	Abandoned Well	
3.43	-543.62	Gas Well	Active Well	
3.43	-540.67	Unknown	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
CGT Lateral	3.97	-376.58	Gas Well	Active Well
	3.97	-365.58	Unknown	Active Well
	4.68	539.25	Unknown	Active Well
	4.68	533.05	Gas Well	Active Well
	4.80	1120.28	Unknown	Active Well
	4.80	1127.97	Gas Well	Active Well
	5.07	-108.68	Unknown	Active Well
	5.07	-92.56	Gas Well	Active Well
	5.08	146	Gas Well	Unknown
	5.34	-372.17	Unknown	Active Well
	5.34	-359.91	Gas Well	Active Well
	5.40	224.78	Gas Well	Active Well
	5.40	227.53	Unknown	Active Well
	5.64	-92	Unknown	Unknown
	5.64	-152	Unknown	Unknown
	5.66	725.04	Unknown	Active Well
	5.66	728.97	Gas Well	Active Well
	5.70	-641.60	Gas Well	Active Well
	5.70	-627.12	Unknown	Active Well
Seneca Lateral	0.69	-108.59	Gas	Active
	1.00	785.84	Oil and gas	Active
	1.14	883.55	Gas	Active
	1.53	1312.72	Gas	Active
	2.40	111.26	Gas	Active
	2.59	-201.16	Gas	Active
	2.68	-1165.57	Gas	Active
	2.78	-1169.47	Oil and gas	Active
	2.89	467.29	Oil and gas	Active
	3.36	-1253.12	Gas	Active
	3.42	-40.89	Oil and gas	Active
	3.64	589.62	Gas	Active
	3.80	1270.48	Oil and gas	Active
	3.89	360.12	Oil and gas	Active
	4.42	-36.76	Oil and gas	Active
	4.42	104.22	Oil and gas	Active
	4.53	302.08	Oil	Active
4.76	892.86	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Seneca Lateral	5.14	176.68	Gas	Active
	5.23	916.93	Oil and gas	Active
	6.11	-601.20	Oil and gas	Active
	6.13	838.82	Gas	Active
	6.38	-321.32	Gas	Active
	6.45	-1143.40	Gas	Active
	6.74	125.61	Gas	Active
	6.83	-1235.35	Gas	Active
	7.01	336.38	Gas	Active
	7.06	475.07	Gas	Active
	7.25	666.86	Gas	Active
	7.28	-280.44	Gas	Active
	7.51	-220.14	Oil	Active
	7.84	759.75	Gas	Active
	8.11	-1300.35	Oil and gas	Active
	8.32	604.49	Oil and gas	Active
	8.33	-428.68	Gas	Active
	8.44	-608.24	Gas	Active
	8.58	1191.43	Oil and gas	Active
	8.87	-718.69	Gas	Active
	8.89	-874.41	Oil and gas	Active
	8.98	876.45	Oil and gas	Active
	9.12	266.14	Gas	Active
	9.12	-959.29	Oil and gas	Active
	9.18	-713.45	Oil	Active
	9.36	271.66	Gas	Active
	9.71	752.78	Gas	Active
	10.15	-469.61	Oil	Active
	10.47	848.63	Oil and gas	Active
	10.62	420.98	Oil and gas	Active
	10.70	1264.78	Oil	Active
	10.77	317.61	Oil and gas	Active
11.57	-230.03	Oil	Active	
11.80	-761.97	Oil	Active	
12.07	-524.15	Gas	Active	
12.11	1125.89	Gas	Active	
12.67	-237.17	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Seneca Lateral	12.83	651.28	Oil and gas	Active
	13.26	-439.37	Oil	Active
	13.26	-10.77	Oil	Active
	14.09	-25.98	Gas	Active
	14.54	1033.98	Oil and gas	Active
	18.52	-567.03	Oil	Active
	19.30	-1313.88	Gas	Active
	20.09	-388.23	Oil and gas	Active
	20.28	698.91	Oil and gas	Active
	21.31	732.73	Oil and gas	Active
	21.40	-75.32	Unknown	Active
	21.47	-856.74	Unknown	Active
	21.94	173.93	Unknown	Active
	24.63	-291.33	Unknown	Active
Berne Lateral	0.18	-454.88	Gas	Active
	0.70	50 to 57	(4) Unknown	Inactive
	0.84	-31.14	Oil and gas	Active
	1.13	391.13	Oil and gas	Active
	1.28	-1034.82	Unknown	Active
	1.38	-1190.67	Oil and gas	Active
	1.99	-1021.10	Gas	Active
	3.43	-903.55	Gas	Active
	3.57	-805.89	Unknown	Active
	3.87	88.62	Gas	Active
Clarrington Lateral	0.53	-1072.66	Unknown	Active
	0.71	-314.29	Unknown	Active
	1.18	917.70	Unknown	Active
	1.21	274.67	Unknown	Active
	2.97	85.80	Unknown	Active
	3.39	-485.93	Oil and gas	Active
	3.52	473.12	Oil and gas	Active
	3.72	-1004.01	Oil and gas	Active
	3.93	517.78	Unknown	Active
	4.05	-1241.49	Unknown	Active
	6.43	969.27	Unknown	Active
	7.79	-21.37	Oil	Active

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Clarington Lateral	7.98	929.67	Oil	Active
	8.02	-922.99	Oil and gas	Active
	8.02	-922.99	Oil and gas	Active
	8.51	1018.22	Unknown	Active
	8.90	814.56	Gas	Active
	9.53	672.13	Gas	Active
	18.39	780.52	Gas	Active
	22.86	-1057.83	Oil and gas	Active
	24.92	1118.36	Oil and gas	Active
	24.92	1145.25	Oil and gas	Active
	25.29	345.90	Gas	Active
	29.80	410.97	Oil and gas	Active
	29.93	-824.90	Gas	Active
	31.37	365.88	Gas	Active
Majorsville Lateral	0.16	-215.82	Unknown	Active Well
	1.02	-388.72	Gas Well	Active Well
	1.02	-364.17	Gas Well	Active Well
	1.02	-364.17	Gas Well	Active Well
	1.02	-364.17	Gas Well	Active Well
	1.02	-364.17	Gas Well	Active Well
	1.99	-239.45	Gas Well	Active Well
	1.99	-211.42	Gas Well	Active Well
	1.99	-211.42	Gas Well	Active Well
	1.99	-183.40	Gas Well	Active Well
	2.43	1074.02	Gas Well	Active Well
	2.43	1074.02	Gas Well	Active Well
	2.43	1074.15	Unknown	Active Well
	2.43	1010.34	Gas Well	Active Well
	2.43	1010.34	Gas Well	Active Well
	2.43	1010.34	Gas Well	Active Well
	2.43	1010.34	Gas Well	Active Well
	2.43	1011.01	Unknown	Active Well
	2.43	1011.01	Unknown	Active Well
	2.43	1011.01	Unknown	Active Well
2.44	978.23	Unknown	Active Well	
2.44	978.51	Gas Well	Active Well	
2.44	992.15	Unknown	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Majorsville Lateral	2.44	992.53	Gas Well	Active Well
	2.44	1024.00	Gas Well	Active Well
	2.44	1024.00	Gas Well	Active Well
	2.44	1024.00	Gas Well	Active Well
	2.44	1024.56	Unknown	Active Well
	10.32	-419.97	Gas Well	Active Well
	10.61	1241.87	Gas Well	Active Well
	17.90	847.25	Oil and gas	Active
	17.91	371.70	Oil and gas	Active
	19.19	437.91	Oil	Active
	19.19	1241.90	Gas	Active
	19.20	1002.17	Oil	Active
	19.31	425.61	Oil	Active
	19.37	1010.34	Gas	Active
	19.87	80.42	Gas	Active
	20.03	-223.13	Gas	Active
Cadiz Lateral	2.08	-997.17	Unknown	Active
Burgettstown Lateral	2.68	-568.77	Oil	Active
	3.10	-1555.65	Oil	Active
	3.17	-1305.65	Oil	Active
	3.88	-1273.82	Oil	Active
	3.95	-2.20	Oil	Active
	4.16	339.00	Oil	Active
	4.52	-612.35	Gas	Active
	4.59	-1153.80	Oil	Active
	5.07	588.53	Oil	Active
	5.07	985.48	Oil	Active
	5.07	1302.10	Oil	Active
	6.80	-760.72	Oil	Active
	10.89	-797.36	Gas Well	Active Well
	13.13	-500.46	Gas Well	Active Well
	13.14	-784.17	Unknown	Active Well
	13.20	-1178.77	Gas Well	Active Well
	13.23	-417.70	Unknown	Active Well
13.37	563.25	Gas Well	Active Well	
13.41	-764.29	Gas Well	Active Well	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Burgettstown Lateral	13.42	811.89	Unknown	Active Well
	13.50	5	Gas Well	Inactive
	15.16	1071.94	Gas Well	Active Well
	17.80	-208.06	Oil	Active
	17.83	291.24	Oil	Active
	17.94	1152.90	Oil	Active
	20.33	-193.46	Oil	Active
	20.39	832.44	Oil	Active
	20.45	-145.89	Oil	Active
	20.45	364.26	Oil	Active
	20.48	27.17	Oil	Active
	20.53	1273.37	Oil	Active
	20.60	-1316.53	Oil	Active
	20.64	-763.13	Oil	Active
	20.67	-1299.56	Oil	Active
	22.42	200.44	Oil	Active
	22.78	-1022.45	Oil	Active
	22.80	-727.44	Oil	Active
	23.87	-260.35	Oil	Active
	25.78	-922.01	Oil and gas	Active
	26.46	-1234.93	Gas	Active
	28.86	-1103.72	Unknown	Active
	29.48	761.46	Gas	Active
	29.69	-207.12	Gas	Active
	29.77	698.77	Gas	Active
	30.45	402.65	Unknown	Active
	31.39	1243.12	Unknown	Active
	37.22	-1252.02	Oil	Active
	37.38	453.64	Oil and gas	Active
	37.38	475.56	Oil and gas	Active
37.41	-572.69	Oil	Active	
37.47	194.47	Oil	Active	
37.48	-156.75	Oil	Active	
37.52	-554.37	Oil	Active	
37.57	-148.65	Oil	Active	
37.72	1286.06	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Burgettstown Lateral	37.95	1265.31	Oil and gas	Active
	37.95	1238.25	Oil and gas	Active
	37.96	1273.11	Oil and gas	Active
	37.96	1246.05	Oil and gas	Active
	37.96	1254.84	Oil and gas	Active
	38.71	861.60	Oil and gas	Active
	38.72	842.74	Oil and gas	Active
	40.27	692.48	Oil and gas	Active
	40.27	666.78	Oil and gas	Active
	40.27	690.91	Oil and gas	Active
	40.27	665.21	Oil and gas	Active
	40.28	689.34	Oil and gas	Active
	40.28	663.64	Oil and gas	Active
	41.03	624.82	Oil and gas	Active
	41.03	605.05	Oil and gas	Active
	41.03	625.26	Oil and gas	Active
	41.03	605.49	Oil and gas	Active
	41.03	625.70	Oil and gas	Active
	41.04	605.94	Oil and gas	Active
	42.87	-989.33	Gas	Active
	44.33	-769.99	Oil and gas	Active
	45.29	139	Oil	Inactive
	46.19	-1227.58	Gas	Active
	47.02	-992.21	Oil and gas	Active
	48.29	439.16	Unknown	Active
	48.72	-856.31	Oil and gas	Active
	49.66	534.46	Oil	Active
	49.92	987.66	Oil	Active
	49.99	341.61	Unknown	Active
	50.15	-716.57	Unknown	Active
	50.53	-202.31	Unknown	Active
	50.84	-397.75	Unknown	Active
	50.98	-1242.72	Oil and gas	Active
51.12	967.33	Unknown	Active	
51.20	-933.25	Oil	Active	
51.43	1041.47	Oil and gas	Active	
51.48	-817.91	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Supply Connector Lines A and B	1.14	331.61	Unknown	Active
	2.77	-306.34	Gas	Active
	3.11	-624.37	Unknown	Active
	4.02	-1316.29	Gas	Active
	4.07	1051.42	Gas	Active
	4.12	-667.46	Gas	Active
	4.77	-172.24	Unknown	Active
	5.29	-369.91	Oil and gas	Active
	5.85	-914.31	Oil and gas	Active
	5.87	894.01	Unknown	Active
	6.10	-838.62	Oil and gas	Active
	6.88	-97.83	Unknown	Active
	8.50	-473.79	Oil and gas	Active
	8.50	-491.93	Oil and gas	Active
	8.50	-456.31	Oil and gas	Active
	8.50	-510.07	Oil and gas	Active
	8.50	-474.45	Oil and gas	Active
	8.50	-492.59	Oil and gas	Active
	8.83	824.73	Gas	Active
	9.80	-322.41	Oil and gas	Active
	9.80	-344.31	Oil and gas	Active
	11.43	-188.91	Unknown	Active
	12.48	865.08	Unknown	Active
	12.82	-1049.24	Oil and gas	Active
	12.90	995.76	Unknown	Active
	13.16	841.59	Unknown	Active
	13.26	-325.96	Unknown	Active
	13.36	-1255.58	Gas	Active
	13.83	-287.57	Oil and gas	Active
	14.35	500.77	Oil and gas	Active
	14.73	422.80	Oil and gas	Active
	15.01	-129.61	Oil and gas	Active
15.17	-1157.26	Oil and gas	Active	
15.36	728.87	Unknown	Active	
15.40	-497.58	Oil and gas	Active	
15.88	630.61	Oil and gas	Active	
16.48	609.28	Oil	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Supply Connector Lines A and B	16.55	1144.79	Oil	Active
	16.75	146.71	Oil	Active
	16.90	605.43	Oil	Active
	17.02	606.61	Unknown	Active
	17.07	1175.01	Oil	Active
	17.21	-95.30	Oil and gas	Active
	17.53	-310.33	Oil and gas	Active
	17.61	607.52	Oil and gas	Active
	17.73	-1130.56	Oil and gas	Active
	17.83	220.26	Oil and gas	Active
	18.00	-544.35	Oil and gas	Active
	18.15	756.96	Oil and gas	Active
	18.20	-242.82	Oil and gas	Active
	18.56	-270.57	Oil and gas	Active
	18.76	157.95	Oil and gas	Active
Mainlines				
Mainlines A and B	18.96	152 to 183	(5) Oil	Unknown
	19.20	-1226.54	Oil and gas	Active
	19.22	716.63	Oil and gas	Active
	19.35	-288.06	Oil and gas	Active
	19.52	-155	Oil	Active
	19.57	238.84	Oil and gas	Active
	19.64	1115.90	Oil and gas	Active
	19.77	-488.85	Oil and gas	Active
	20.05	163 - 175	(4) Oil	Active
	20.10	-143.46	Oil and gas	Active
	20.36	-278.25	Oil and gas	Active
	20.80	-94.93	Unknown	Active
	20.97	-1298.44	Oil	Active
	21.07	560.53	Unknown	Active
	21.26	974.08	Oil and gas	Active
	21.26	-530.30	Unknown	Active
	21.37	87.83	Unknown	Active
	21.49	-820.85	Unknown	Active
	21.70	-198	Oil	Active
	21.75	219.17	Oil	Active
21.93	833.58	Oil and gas	Active	
22.28	-625.30	Oil and gas	Active	
22.34	972.64	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Mainlines A and B	22.54	-646.17	Oil and gas	Active
	22.72	691.01	Oil and gas	Active
	22.99	91.24	Oil	Active
	23.19	28.30	Oil	Active
	23.43	-124.26	Oil	Active
	23.63	933.88	Oil	Active
	24.08	570.34	Oil and gas	Active
	24.26	-588.75	Oil and gas	Active
	24.37	340.70	Oil and gas	Active
	24.54	-517.66	Gas	Active
	24.57	-430.85	Oil and gas	Active
	24.59	1125.95	Oil and gas	Active
	24.77	141.38	Oil	Active
	24.81	-1114.23	Oil and gas	Active
	24.98	1102.81	Oil and gas	Active
	25.06	-409.14	Oil	Active
	25.27	343.22	Oil	Active
	25.30	-830.89	Oil	Active
	25.49	-573.44	Oil and gas	Active
	25.62	245.09	Oil and gas	Active
	26.03	-1189.56	Oil and gas	Active
	26.14	540.97	Oil and gas	Active
	26.36	128	Gas	Inactive
	26.48	1038.08	Oil and gas	Active
	26.75	-395.66	Oil and gas	Active
	27.04	-497.08	Oil and gas	Active
	27.08	987.47	Oil and gas	Active
	27.29	-332.66	Oil and gas	Active
	27.35	314.90	Oil	Active
	27.35	847.36	Gas	Active
	27.56	96.77	Oil	Active
	27.61	164.01	Oil and gas	Active
27.63	645.60	Oil	Active	
27.75	-590.49	Oil and gas	Active	
27.93	351.27	Oil and gas	Active	
28.02	-953.75	Oil and gas	Active	
28.15	-655.55	Oil and gas	Active	
28.37	222.51	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Mainlines A and B	28.49	-692.17	Oil and gas	Active
	28.64	-1064.14	Oil and gas	Active
	28.69	-173	Oil	Active
	28.76	152.06	Oil and gas	Active
	28.94	-95	Oil	Active
	28.99	54.09	Oil and gas	Active
	29.10	1151.12	Oil and gas	Active
	29.34	426.51	Oil and gas	Active
	29.57	1198.20	Oil and gas	Active
	29.59	-298.67	Oil and gas	Active
	29.70	-1208.47	Oil	Active
	29.78	-854.92	Oil and gas	Active
	29.83	413.47	Oil and gas	Active
	30.09	-783.58	Oil and gas	Active
	30.11	964.46	Oil and gas	Active
	30.31	-1197.02	Oil and gas	Active
	30.52	-536.53	Oil and gas	Active
	30.65	1113.93	Oil and gas	Active
	30.77	340.73	Oil and gas	Active
	30.82	-692.61	Oil and gas	Active
	31.03	187	Oil	Active
	31.07	-199.40	Oil and gas	Active
	31.08	877.80	Unknown	Active
	31.33	-394.64	Oil and gas	Active
	31.35	1282.88	Oil and gas	Active
	31.64	239.82	Oil and gas	Active
	31.76	1170.48	Oil and gas	Active
	31.83	-247	Oil	Active
	31.87	167.46	Oil and gas	Active
	32.13	424.43	Oil and gas	Active
	32.33	1165.93	Oil and gas	Active
	32.53	1262.63	Gas	Active
	32.76	-385.14	Oil and gas	Active
32.98	1007.34	Gas	Active	
33.13	-633.28	Oil and gas	Active	
33.16	562.14	Gas	Active	
33.36	526.00	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Mainlines A and B	33.53	-962.35	Gas	Active
	33.63	667.86	Gas	Active
	33.84	1189.72	Gas	Active
	33.87	33.65	Gas	Active
	33.98	-1283.52	Oil	Active
	34.35	278.29	Oil and gas	Active
	34.55	1071.52	Gas	Active
	34.70	-316.17	Oil and gas	Active
	35.17	1216.73	Oil and gas	Active
	35.36	981.07	Oil and gas	Active
	35.89	-518.09	Oil and gas	Active
	36.22	-1190.64	Gas	Active
	36.47	-251.68	Gas	Active
	36.82	-180.66	Gas	Active
	37.00	-240	Unknown	Unknown
	37.06	240.73	Gas	Active
	37.33	-47.36	Gas	Active
	37.39	-917.08	Gas	Active
	37.98	329.03	Gas	Active
	38.23	-440.13	Gas	Active
	38.69	279.90	Gas	Active
	38.70	-795.91	Oil and gas	Active
	38.98	244	Gas	Active
	39.02	-282.46	Oil and gas	Active
	39.33	-390.07	Oil and gas	Active
	39.60	-64.98	Gas	Active
	39.88	-357.15	Oil and gas	Active
	39.88	1195.44	Oil and gas	Active
	40.66	-331.12	Oil and gas	Active
	40.96	-45.78	Oil and gas	Active
	41.06	199.71	Oil and gas	Active
	41.19	1308.64	Oil and gas	Active
41.48	-139.96	Oil and gas	Active	
41.56	-1208.93	Oil and gas	Active	
41.69	-110	Gas	Active	
41.72	-208	Gas	Active	
41.73	91.67	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Mainlines A and B	42.08	714.36	Oil and gas	Active
	42.10	-854.72	Oil and gas	Active
	42.42	616.85	Oil and gas	Active
	42.49	-960.92	Oil and gas	Active
	42.75	519.17	Oil and gas	Active
	42.76	-830.14	Oil and gas	Active
	43.02	-974.47	Oil and gas	Active
	43.37	-519.08	Gas	Active
	43.43	867.80	Oil and gas	Active
	43.55	-291.77	Oil and gas	Active
	43.94	-221.76	Oil and gas	Active
	44.26	-175.89	Oil and gas	Active
	44.55	917.75	Oil and gas	Active
	44.58	-332.54	Oil and gas	Active
	44.95	-639.55	Oil and gas	Active
	45.65	-1318.11	Oil and gas	Active
	45.96	926.65	Oil and gas	Active
	46.14	-483.03	Oil and gas	Active
	46.40	1079.87	Gas	Active
	46.76	803.44	Gas	Active
	47.62	-582.68	Oil and gas	Active
	47.67	-389.37	Gas	Active
	47.76	1297.18	Oil and gas	Active
	48.14	-865.20	Oil and gas	Active
	48.36	501.98	Oil and gas	Active
	48.76	382.98	Gas	Active
	49.15	-260.17	Oil and gas	Active
	49.59	-229.45	Gas	Active
	49.88	-933.73	Gas	Active
	50.57	-854.74	Gas	Active
	51.06	-122.75	Gas	Active
	51.43	236.16	Oil and gas	Active
	51.44	108.00	Oil and gas	Active
51.72	4.24	Gas	Active	
51.86	-793.94	Oil and gas	Active	
52.67	980.55	Gas	Active	
52.95	-786.97	Oil and gas	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Mainlines A and B	53.52	775.58	Oil and gas	Active
	53.62	-858.70	Oil and gas	Active
	53.73	-624.93	Gas	Active
	53.82	151.16	Oil and gas	Active
	54.26	-125.77	Gas	Active
	54.89	-333.26	Gas	Active
	55.41	-61.37	Gas	Active
	56.99	991.78	Gas	Active
	57.60	-394.63	Gas	Active
	58.06	330.73	Gas	Active
	58.12	-1164.75	Gas	Active
	58.36	-263.75	Gas	Active
	58.88	574.10	Gas	Active
	60.01	-546.85	Gas	Active
	60.66	482.72	Oil and gas	Active
	66.87	-465.47	Gas	Active
	67.29	1164.38	Oil and gas	Active
	68.11	-762.90	Gas	Active
	68.13	1069.81	Oil	Active
	68.37	-1151.06	Oil and gas	Active
	68.41	-4.31	Gas	Active
	68.58	-775.01	Gas	Active
	69.65	779.21	Unknown	Active
	70.09	-274.09	Oil and gas	Active
	70.39	-1261.45	Oil and gas	Active
	70.68	-205.57	Oil and gas	Active
	71.29	-588.14	Oil and gas	Active
	71.58	-1038.92	Oil and gas	Active
	72.17	-1201.24	Oil and gas	Active
	72.18	197	Oil	Active
	72.24	920.40	Oil and gas	Active
	72.76	30.82	Oil and gas	Active
	72.81	-1073.54	Oil and gas	Active
73.18	1218.10	Oil and gas	Active	
73.26	-140	Oil	Active	
73.29	128.21	Oil and gas	Active	
73.68	-438.67	Gas storage	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Mainlines A and B	74.35	1198.63	Gas storage	Active
	74.46	29	Gas	Unknown
	74.49	-68.56	Gas storage	Active
	74.51	271.38	Gas	Active
	75.41	-744.75	Gas	Active
	75.42	1104.47	Oil and gas	Active
	75.85	358.42	Oil and gas	Active
	76.11	740.34	Oil and gas	Active
	76.19	214	Oil	Inactive
	76.23	-189.19	Oil and gas	Active
	76.39	918.82	Gas	Active
	76.60	1031.67	Oil and gas	Active
	76.63	-245	Oil	Active
	76.66	267.74	Oil and gas	Active
	76.85	-90.83	Gas	Active
	77.34	-1032.30	Unknown	Active
	78.06	-745.28	Unknown	Active
	78.29	555.59	Unknown	Active
	78.41	-927.83	Unknown	Active
	78.86	-460.04	Unknown	Active
	79.10	900.29	Unknown	Active
	79.12	419.16	Gas	Active
	81.40	1101.54	Unknown	Active
	81.80	874.31	Unknown	Active
	82.53	95	Gas	Inactive
	83.38	-221.20	Unknown	Active
	86.20	1082.87	Unknown	Active
	88.99	-669.72	Unknown	Active
	89.11	835.50	Unknown	Active
	89.30	80	Gas	Active
	89.44	304.95	Unknown	Active
	89.82	778.41	Unknown	Active
90.17	-152	Gas	Active	
90.20	435.18	Unknown	Active	
137.72	1100.27	Unknown	Active	
138.36	1087.79	Unknown	Active	
139.13	148.88	Unknown	Active	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Mainlines A and B	158.27	619.79	Gas	Active
	158.27	619.79	Gas	Active
	159.74	642.32	Oil	Active
	159.74	642.32	Oil	Active
	159.90	1012.50	Oil	Active
	159.90	1012.50	Oil	Active
	160.48	-1190.64	Unknown	Active
	167.05	-829.57	Gas	Active
	167.07	856.54	Unknown	Active
	167.14	854.04	Unknown	Active
	167.15	1109.65	Unknown	Active
	167.15	1118.67	Unknown	Active
	167.27	-1224.43	Gas	Active
	168.05	740.36	Gas	Active
	168.23	1309.20	Gas	Active
	170.95	444.51	Unknown	Active
171.07	359.36	Oil	Active	
Market Segment	30.93	393.50	Unknown	Plugging Approved
	31.13	781.28	Unknown	Plugging Approved
	31.46	234.06	Unknown	Plugging Approved
	31.51	-1021.45	Unknown	Plugging Approved
	31.71	561.96	Unknown	Plugging Approved
	31.90	-34.00	Unknown	Plugging Approved
	32.23	-656.61	Gas	Plugging Approved
	32.44	-1202.96	Oil	Plugging Approved
	47.10	-1036.72	Unknown	Producing
	47.10	-1088.85	Unknown	Producing
	47.28	-249.77	Unknown	Producing
	47.34	193.11	Unknown	Well Completed
	47.35	868.91	Unknown	Producing
	47.48	234-243	(2) Gas	Active
	92.15	-902.84	Unknown	Plugging Approved
	94.05	499.45	Oil	Producing
	95.37	938.30	Unknown	Plugging Approved
	95.99	350.54	Unknown	Producing
96.58	-1136.63	Unknown	Plugging Approved	

TABLE 6A-6
Oil and Gas wells within 0.25 mile of the Pipelines

Pipeline Segment	MP	Distance/ Direction ¹	Well Type	Status ²
Market Segment	97.10	-709.39	Unknown	Producing
	98.31	986.46	Unknown	Plugging Approved

Sources: ODNR, 2014; PASDA, 2014; USGS, 2014e; WVGS, 2014, and civil surveys.

¹ Units are in feet. Direction, positive number is either north or east of the centerline; negative number is either west or south.

² Data for Michigan included entries of “Producing”, which is equivalent to “Active” entries in other states.