

GIS BUFFER REVIEW AND ANALYSIS

Pad Name: Requested: Completed: Revised (If applicable):
 TULIP
 Columns in red are formulas

PROPOSED HZ WELL NAME	OFFSET WELL NAME	OFFSET WELL STATUS (Do not include AL)	OFFSET WELL API # (if applicable)	OPERATOR NAME OF OFFSET WELL	DISTANCE IN FEET FROM PROPOSED WELL TO OFFSET WELL (based upon directional survey from drilled wellbores and deviated drilling plan for permitted wellbores)	IS THE DISTANCE MEASURED FROM VERTICAL OR HORIZONTAL SECTION OF WELLBORE?	WILL AN ANTI-COLLISION NOTICE BE NEEDED (PER RULE 408.1)? [status PR, SI & TA only] look out 200' for potential	WILL A STIMULATION SETBACK CONSENT WAIVER BE NEEDED (PER RULE 408.u)? [status PR, SI & TA only]	Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation (Codi & Nio same) ignore plugged wells	Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator (including plugged wells)	C2C DISTANCE
TULIP WEST 30-1HZ									TULIP WEST 30-2HZ 284'	MLD 9 600'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL	YES				147
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL	YES				146
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL	YES				165
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL	YES				149
	NYGREN 21-19	PA	05-123-29330	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL	YES				188
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL	YES				149
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL	YES				158
	NYGREN 25-19	PA	05-123-29331	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL	YES				190
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL	YES				162
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL	YES				148
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL	YES				161
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL	YES				156
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL	YES				145
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL	YES				150
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL	YES				150
	PODTBURG 24-11	PA	05-123-26867	KERR MCGEE OIL & GAS ONSHORE LP	62	HORIZONTAL					56
	HSR-NYGREN 3-19	PA	05-123-20453	KERR MCGEE OIL & GAS ONSHORE LP	70	VERTICAL					86
	WILSON 1	PA	05-123-07954	KERR MCGEE OIL & GAS ONSHORE LP	146	HORIZONTAL					150
	PODTBURG 5 2	PA	05-123-11145	KERR MCGEE OIL & GAS ONSHORE LP	148	HORIZONTAL					306
	SHARON 21-6HZ	PR	05-123-43763	KERR MCGEE OIL & GAS ONSHORE LP	158	VERTICAL					778
	SHARON 21-4HZ	PR	05-123-43765	KERR MCGEE OIL & GAS ONSHORE LP	163	VERTICAL					505
	SHARON 21-7HZ	PR	05-123-43762	KERR MCGEE OIL & GAS ONSHORE LP	166	VERTICAL					1180
	NYGREN 4-19	PA	05-123-23449	KERR MCGEE OIL & GAS ONSHORE LP	198	HORIZONTAL					240
TULIP WEST 30-2HZ									TULIP WEST 30-1HZ 284'	MLD 9 713'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL	YES				124
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL	YES				122
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL	YES				150
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL	YES				130
	NYGREN 21-19	PA	05-123-29330	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL	YES				219
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL	YES				132
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL	YES				137
	NYGREN 25-19	PA	05-123-29331	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL	YES				143
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL	YES				145
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL	YES				126
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL	YES				142
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL	YES				136
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL	YES				124
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL	YES				133
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL	YES				127
	PODTBURG 5 2	PA	05-123-11145	KERR MCGEE OIL & GAS ONSHORE LP	3	HORIZONTAL					162
	NYGREN 4-19	PA	05-123-23449	KERR MCGEE OIL & GAS ONSHORE LP	103	HORIZONTAL					146
	HSR-NYGREN 3-19	PA	05-123-20453	KERR MCGEE OIL & GAS ONSHORE LP	144	VERTICAL					154
	PODTBURG 24-11	PA	05-123-26867	KERR MCGEE OIL & GAS ONSHORE LP	166	HORIZONTAL					159
	SHARON 21-6HZ	PR	05-123-43763	KERR MCGEE OIL & GAS ONSHORE LP	168	VERTICAL					655
	SHARON 21-4HZ	PR	05-123-43765	KERR MCGEE OIL & GAS ONSHORE LP	172	VERTICAL					347
	SHARON 21-7HZ	PR	05-123-43762	KERR MCGEE OIL & GAS ONSHORE LP	174	VERTICAL					1054
TULIP WEST 30-3HZ									TULIP WEST 30-1HZ 458'	MLD 7 618'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL	YES				129
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL	YES				127
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL	YES				157
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL	YES				136
	NYGREN 21-19	PA	05-123-29330	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL	YES				302
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL	YES				139
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL	YES				142
	NYGREN 25-19	PA	05-123-29331	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL	YES				63
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL	YES				152
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL	YES				132
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL	YES				149
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL	YES				142
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL	YES				130
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL	YES				139
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL	YES				133
	NYGREN 31-19	PR	05-123-29334	KERR MCGEE OIL & GAS ONSHORE LP	152	HORIZONTAL					157
	SHARON 21-6HZ	PR	05-123-43763	KERR MCGEE OIL & GAS ONSHORE LP	170	VERTICAL					360
	NYGREN 18-19	PA	05-123-29332	KERR MCGEE OIL & GAS ONSHORE LP	171	HORIZONTAL					178
	SHARON 21-7HZ	PR	05-123-43762	KERR MCGEE OIL & GAS ONSHORE LP	178	VERTICAL					739
TULIP WEST 30-4HZ									TULIP WEST 30-5HZ 321'	MLD 4 568'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL	YES				118
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL	YES				116
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL	YES				151
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL	YES				128
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL	YES				133
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL	YES				133
	NYGREN 25-19	PA	05-123-29331	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL	YES				63
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL	YES				145
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL	YES				122
	NYGREN 19-19	PR	05-123-29326	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL	YES				1489
	NYGREN 33-19	PA	05-123-29328	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					1774
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL	YES				141
	NYGREN 22-19	SI	05-123-27364	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					481
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL	YES				133
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL	YES				121
	NYGREN 32-19	PR	05-123-29327	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					573
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL	YES				132
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL	YES				122

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PROPOSED HZ WELL NAME	OFFSET WELL NAME	OFFSET WELL STATUS (Do not include AL)	OFFSET WELL API # (if applicable)	OPERATOR NAME OF OFFSET WELL	DISTANCE IN FEET FROM PROPOSED WELL TO OFFSET WELL (based upon directional survey from drilled wellbores and deviated drilling plan for permitted wellbores)	IS THE DISTANCE MEASURED FROM VERTICAL OR HORIZONTAL SECTION OF WELLBORE?	WILL AN ANTI-COLLISION NOTICE BE NEEDED (PER RULE 408.1)? (status PR, SI & TA only) look out 200' for potential	WILL A STIMULATION SETBACK CONSENT WAIVER BE NEEDED (PER RULE 408.4)? (status PR, SI & TA only)	Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation (Codi & Nio same) ignore plugged wells	Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator (including plugged wells)	C2C DISTANCE
	NYGREN 23-19	SI	05-123-29329	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					496
	NYGREN 5-19	SI	05-123-27340	KERR MCGEE OIL & GAS ONSHORE LP	37	HORIZONTAL					70
	NYGREN 6-19	PA	05-123-29333	KERR MCGEE OIL & GAS ONSHORE LP	53	VERTICAL					141
	NYGREN 21-19	PA	05-123-29330	KERR MCGEE OIL & GAS ONSHORE LP	70	VERTICAL					935
	NYGREN 18-19	PA	05-123-29332	KERR MCGEE OIL & GAS ONSHORE LP	76	HORIZONTAL					771
	NYGREN 31-19	PR	05-123-29334	KERR MCGEE OIL & GAS ONSHORE LP	86	HORIZONTAL					840
TULIP WEST 30-5HZ									TULIP WEST 30-4HZ 321'	MLD 5 676'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL	YES				161
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL	YES				159
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL	YES				188
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL	YES				167
	NYGREN 21-19	PA	05-123-29330	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					858
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL	YES				170
	NYGREN 6-19	PA	05-123-29333	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					42
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL	YES				174
	NYGREN 25-19	PA	05-123-29331	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					82
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL	YES				183
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL	YES				163
	NYGREN 31-19	PR	05-123-29334	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					672
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL	YES				180
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL	YES				173
	NYGREN 18-19	PA	05-123-29332	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					644
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL	YES				162
	CHANDLER FARMS HD 20-349HC	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL	YES				170
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL	YES				164
	NYGREN 32-19	PR	05-123-29327	KERR MCGEE OIL & GAS ONSHORE LP	92	HORIZONTAL					744
	NYGREN 33-19	PA	05-123-29328	KERR MCGEE OIL & GAS ONSHORE LP	108	HORIZONTAL					1945
	NYGREN 5-19	SI	05-123-27340	KERR MCGEE OIL & GAS ONSHORE LP	114	HORIZONTAL					83
	NYGREN 19-19	PR	05-123-29326	KERR MCGEE OIL & GAS ONSHORE LP	130	VERTICAL					1515
	NYGREN 22-19	SI	05-123-27364	KERR MCGEE OIL & GAS ONSHORE LP	140	HORIZONTAL					609
	NYGREN 23-19	SI	05-123-29329	KERR MCGEE OIL & GAS ONSHORE LP	146	VERTICAL					511
	WILSON 23-13	PA	05-123-23039	KERR MCGEE OIL & GAS ONSHORE LP	165	HORIZONTAL					259
	KNUTSON 24-14	PA	05-123-26024	KERR MCGEE OIL & GAS ONSHORE LP	185	HORIZONTAL					326
TULIP WEST 30-6HZ									TULIP WEST 30-5HZ 367'	CHANDLER FARMS HD 20-212HN 463'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL					326
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL					202
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL					325
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL					316
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL					309
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL					331
	NYGREN 25-19	PA	05-123-29331	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					52
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL					324
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL					324
	NYGREN 19-19	PR	05-123-29326	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					1257
	NYGREN 33-19	PA	05-123-29328	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					1352
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL					327
	NYGREN 22-19	SI	05-123-27364	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					37
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL					326
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL					317
	NYGREN 32-19	PR	05-123-29327	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					151
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL					315
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL					327
	NYGREN 23-19	SI	05-123-29329	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					873
	SHARON 21-8HZ	PR	05-123-43764	KERR MCGEE OIL & GAS ONSHORE LP	105	VERTICAL					212
	PODTBURG S 1	PA	05-123-10972	KERR MCGEE OIL & GAS ONSHORE LP	157	HORIZONTAL					157
TULIP WEST 30-7HZ									TULIP WEST 30-8HZ 341'	CHANDLER FARMS HD 20-252HN 483'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL					266
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL					253
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL					279
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL					265
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL					263
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL	YES				157
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL					276
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL	YES				111
	NYGREN 19-19	PR	05-123-29326	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					390
	NYGREN 33-19	PA	05-123-29328	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					479
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL					277
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL					272
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL					262
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL					266
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL					255
	NYGREN 23-19	SI	05-123-29329	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					450
	NYGREN 12-19	PA	05-123-23492	KERR MCGEE OIL & GAS ONSHORE LP	121	HORIZONTAL					151
	NYGREN 11-19	PA	05-123-23491	KERR MCGEE OIL & GAS ONSHORE LP	140	HORIZONTAL					192
TULIP WEST 30-8HZ									TULIP WEST 30-7HZ 341'	CHANDLER FARMS HD 20-269HN 256'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL					380
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL					382
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL					370
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL					366
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL					356
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL	YES				86
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL					371
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL					242
	NYGREN 19-19	PR	05-123-29326	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					170
	NYGREN 33-19	PA	05-123-29328	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					252
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL					376
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL					376
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL					234
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL					363
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL					335
	NYGREN 23-19	SI	05-123-29329	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					260
	WILSON 23-45	PA	05-123-23781	KERR MCGEE OIL & GAS ONSHORE LP	125	HORIZONTAL					130
TULIP WEST 30-9HZ									TULIP WEST 30-10HZ 460'	NORTHMOOR ACRES 24-14B 63'	

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TULIP
Columns in red are formulas

PROPOSED HZ WELL NAME	OFFSET WELL NAME	OFFSET WELL STATUS (Do not include AL)	OFFSET WELL API # (If applicable)	OPERATOR NAME OF OFFSET WELL	DISTANCE IN FEET FROM PROPOSED WELL TO OFFSET WELL (based upon directional survey from drilled wellbores and deviated drilling plan for permitted wellbores)	IS THE DISTANCE MEASURED FROM VERTICAL OR HORIZONTAL SECTION OF WELLBORE?	WILL AN ANTI-COLLISION NOTICE BE NEEDED (PER RULE 408.1)? [status PR, SI & TA only] look out 200' for potential	WILL A STIMULATION SETBACK CONSENT WAIVER BE NEEDED (PER RULE 408.4)? [status PR, SI & TA only]	Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation (Codi & Nio same) ignore plugged wells	Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator (including plugged wells)	C2C DISTANCE
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL					435
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL					437
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL					403
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL	YES				178
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL					389
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL					417
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL					404
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL					412
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL					284
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL	YES				86
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL					292
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL					396
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL					425
	NORTHMOOR ACRES 24-14B	PA	05-123-08540	PANHANDLE PROD CO	128	HORIZONTAL					63
TULIP WEST 30-10HZ									TULIP WEST 30-11HZ 372'	NYGREN 19-2 41'	
	CHANDLER FARMS HD 20-229HN	PR	05-123-41365	PDC ENERGY INC	0	VERTICAL					528
	CHANDLER FARMS HD 20-212HN	PR	05-123-41360	PDC ENERGY INC	0	VERTICAL					534
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL					413
	CHANDLER FARMS HD 20-332HN	PR	05-123-41366	PDC ENERGY INC	0	VERTICAL					250
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	0	VERTICAL					399
	CHANDLER FARMS HD 20-269HN	PR	05-123-41362	PDC ENERGY INC	0	VERTICAL					439
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	0	VERTICAL					309
	CHANDLER FARMS HD 20-252HN	PR	05-123-41369	PDC ENERGY INC	0	VERTICAL					480
	CHANDLER FARMS HD 20-332HC	PR	05-123-41359	PDC ENERGY INC	0	VERTICAL	YES				155
	CHANDLER FARMS HD 20-292HN	PR	05-123-41374	PDC ENERGY INC	0	VERTICAL					413
	CHANDLER FARMS HD 20-269HC	PR	05-123-41375	PDC ENERGY INC	0	VERTICAL					412
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	0	VERTICAL	YES				90
	CHANDLER FARMS HD 20-229HC	PR	05-123-41364	PDC ENERGY INC	0	VERTICAL					512
	WILSON 23-43	PA	05-123-23070	KERR MCGEE OIL & GAS ONSHORE LP	43	HORIZONTAL					31
	NYGREN 19-2	PA	05-123-12053	PDC ENERGY INC	45	HORIZONTAL					41
	NYGREN 19-1	PA	05-123-12024	PDC ENERGY INC	82	HORIZONTAL					89
TULIP WEST 30-11HZ									TULIP WEST 30-10HZ 372'	CHANDLER FARMS HD 20-372HC 244'	
	CHANDLER FARMS HD 20-389HN	PR	05-123-41363	PDC ENERGY INC	0	VERTICAL	YES				144
	CHANDLER FARMS HD 20-372HN	PR	05-123-41368	PDC ENERGY INC	87	VERTICAL	YES				87
	CHANDLER FARMS HD 20-372HC	PR	05-123-41367	PDC ENERGY INC	171	VERTICAL					210
	CHANDLER FARMS HD 20-349HN	SI	05-123-41361	PDC ENERGY INC	188	VERTICAL					390
TULIP EAST 30-12HZ									TULIP EAST 30-13HZ 377'	OLSON 14-29 199'	
	SHULTZ 24-30D	PA	05-123-26055	PDC ENERGY INC	0	HORIZONTAL					395
	SHULTZ 11-31D	PA	05-123-26462	PDC ENERGY INC	70	VERTICAL					948
	SHULTZ 22-30	SI	05-123-25210	PDC ENERGY INC	156	VERTICAL	YES				102
	OLSON 24-29	PA	05-123-20281	PDC ENERGY INC	183	HORIZONTAL					376
	OLSON 14-29	PA	05-123-20275	PDC ENERGY INC	185	HORIZONTAL					199
	SHULTZ 13-30	PA	05-123-26419	PDC ENERGY INC	190	VERTICAL					269
TULIP EAST 30-13HZ									TULIP EAST 30-12HZ 377'	MCCARTY 30-3 47'	
	SHULTZ 24-30D	PA	05-123-26055	PDC ENERGY INC	0	HORIZONTAL					149
	MCCARTY 30-3	PA	05-123-12228	PDC ENERGY INC	39	HORIZONTAL					47
	OLSON 14-29	PA	05-123-20275	PDC ENERGY INC	60	HORIZONTAL					48
	OLSON 24-29	PA	05-123-20281	PDC ENERGY INC	61	HORIZONTAL					127
	UPRR PAN AM B 1 41	PA	05-123-07225	PAN AMERICAN PETROLEUM CORP	105	HORIZONTAL					105
	SHULTZ 13-30	PA	05-123-26419	PDC ENERGY INC	107	VERTICAL					188
	MCCARTY 30-2	PA	05-123-12166	PDC ENERGY INC	154	HORIZONTAL					178
	SHULTZ 22-30	SI	05-123-25210	PDC ENERGY INC	187	VERTICAL	YES				134
TULIP EAST 30-14HZ									TULIP EAST 30-15HZ 547'	REICHERT 29DDU 154'	
	REICHERT 29PDU	PA	05-123-31079	PDC ENERGY INC	150	HORIZONTAL					156
	OLSON UXO 29-25	PA	05-123-24414	KERR MCGEE OIL & GAS ONSHORE LP	157	HORIZONTAL					164
	REICHERT 29DDU	PA	05-123-31084	PDC ENERGY INC	164	HORIZONTAL					154
TULIP EAST 30-15HZ									TULIP EAST 30-16HZ 311'	SHULTZ FARM 30-33 218'	
	REICHERT 29DDU	PA	05-123-31084	PDC ENERGY INC	0	HORIZONTAL					372
	REICHERT 29PDU	PA	05-123-31079	PDC ENERGY INC	0	HORIZONTAL					371
TULIP EAST 30-16HZ									TULIP EAST 30-15HZ 311'	SHULTZ FARM 30-33 79'	
	REICHERT 29DDU	PA	05-123-31084	PDC ENERGY INC	0	HORIZONTAL					433
	REICHERT 29PDU	PA	05-123-31079	PDC ENERGY INC	0	HORIZONTAL					458
	SHULTZ FARM 30-33	PA	05-123-22366	PDC ENERGY INC	105	HORIZONTAL					79
	BROWN-MCCARTY 30-43	SI	05-123-21840	PDC ENERGY INC	144	HORIZONTAL	YES				159
	OLSON 13-29	PA	05-123-20279	PDC ENERGY INC	155	HORIZONTAL					130
	OLSON 23-29	PA	05-123-20276	PDC ENERGY INC	183	HORIZONTAL					154
TULIP EAST 30-17HZ									TULIP EAST 30-18HZ 551'	REICHERT 29SDU 41'	
	REICHERT 29SDU	SI	05-123-31091	PDC ENERGY INC	48	HORIZONTAL	YES	YES			41
	MCCARTY 30-1	PA	05-123-12076	PDC ENERGY INC	59	VERTICAL					42
	REICHERT 43-29DU	SI	05-123-31082	PDC ENERGY INC	146	HORIZONTAL					575
	REICHERT 33-29DU	SI	05-123-31083	PDC ENERGY INC	159	HORIZONTAL					550
	HICKS 32-29	PA	05-123-20277	PDC ENERGY INC	186	HORIZONTAL					194
	REICHERT 29DDU	PA	05-123-31084	PDC ENERGY INC	188	HORIZONTAL					1304
	REICHERT 29PDU	PA	05-123-31079	PDC ENERGY INC	189	HORIZONTAL					1302
TULIP EAST 30-18HZ									TULIP EAST 30-19HZ 346'	OLSON 29-22 44'	
	OLSON 29-12	PA	05-123-20140	PDC ENERGY INC	0	HORIZONTAL					46
	HICKS 42-29	PA	05-123-20278	PDC ENERGY INC	18	HORIZONTAL					226
	HICKS 32-29	PA	05-123-20277	PDC ENERGY INC	36	HORIZONTAL					336
	OLSON 29-22	PA	05-123-20197	PDC ENERGY INC	45	HORIZONTAL					44
	SHULTZ FARM 30-32	SI	05-123-22362	PDC ENERGY INC	93	HORIZONTAL	YES	YES			130
	MCCARTY 30-1	PA	05-123-12076	PDC ENERGY INC	143	VERTICAL					114
	BROWN-MCCARTY 30-5	PA	05-123-12915	PDC ENERGY INC	166	HORIZONTAL					164
TULIP EAST 30-19HZ									TULIP EAST 30-18HZ 346'	BROWN-MCCARTY 30-5 26'	

GIS BUFFER REVIEW AND ANALYSIS

Pad Name: Requested: Completed: Revised (if applicable):

TULIP

Columns in red are formulas

PROPOSED HZ WELL NAME	OFFSET WELL NAME	OFFSET WELL STATUS (Do not include AL)	OFFSET WELL API # (if applicable)	OPERATOR NAME OF OFFSET WELL	DISTANCE IN FEET FROM PROPOSED WELL TO OFFSET WELL (based upon directional survey from drilled wellbores and deviated drilling plan for permitted wellbores)	IS THE DISTANCE MEASURED FROM VERTICAL OR HORIZONTAL SECTION OF WELLBORE?	WILL AN ANTI-COLLISION NOTICE BE NEEDED (PER RULE 408.1)? [status PR, SI & TA only] look out 200' for potential	WILL A STIMULATION SETBACK CONSENT WAIVER BE NEEDED (PER RULE 408.u)? [status PR, SI & TA only]	Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation (Codi & Nio same) ignore plugged wells	Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator (including plugged wells)	C2C DISTANCE
	BROWN-MCCARTY 30-5	PA	05-123-12915	PDC ENERGY INC	23	HORIZONTAL				26	
	MCCARTY 30-1	PA	05-123-12076	PDC ENERGY INC	38	VERTICAL				66	
	SHULTZ 22-30	SI	05-123-25210	PDC ENERGY INC	126	HORIZONTAL	YES	YES		111	
	OLSON 29-12	PA	05-123-20140	PDC ENERGY INC	139	HORIZONTAL				139	
	NYGREN 21-30	PA	05-123-26255	PDC ENERGY INC	170	VERTICAL				239	
TULIP EAST 30-20HZ								TULIP EAST 30-21HZ 511'	OLSON 29-21 279'		
	OLSON-USX O 29-19	PA	05-123-24478	KERR MCGEE OIL & GAS ONSHORE LP	92	HORIZONTAL				157	
	NYGREN 21-30	PA	05-123-26255	PDC ENERGY INC	95	VERTICAL				30	
	HICKS - USX O 29-17	PA	05-123-24420	KERR MCGEE OIL & GAS ONSHORE LP	120	HORIZONTAL				122	
	NYGREN 11-30	PA	05-123-25201	PDC ENERGY INC	172	VERTICAL				243	
TULIP EAST 30-21HZ								TULIP EAST 30-22HZ 334'	NYGREN 21-30 37'		
	HICKS 31-29	PA	05-123-20282	PDC ENERGY INC	26	HORIZONTAL				60	
	HICKS 41-29	PA	05-123-20283	PDC ENERGY INC	44	HORIZONTAL				77	
	NYGREN 21-30	PA	05-123-26255	PDC ENERGY INC	88	HORIZONTAL				37	
	NYGREN 11-30	PA	05-123-25201	PDC ENERGY INC	89	VERTICAL				48	
	BROWN 30-2	PA	05-123-12427	PDC ENERGY INC	91	HORIZONTAL				44	
	BROWN 30-31	PA	05-123-21839	PDC ENERGY INC	128	HORIZONTAL				65	
	KIRBY 29-11	PA	05-123-19860	PDC ENERGY INC	129	HORIZONTAL				126	
TULIP EAST 30-22HZ								TULIP EAST 30-21HZ 334'	BROWN 30-31 91'		
	BROWN 30-31	PA	05-123-21839	PDC ENERGY INC	29	HORIZONTAL				91	
	HICKS 41-29	PA	05-123-20283	PDC ENERGY INC	128	HORIZONTAL				97	
	HICKS 31-29	PA	05-123-20282	PDC ENERGY INC	143	HORIZONTAL				109	