

GIS BUFFER REVIEW AND ANALYSIS

Pad Name:
WARDELL FED 13-7HZ

Requested:

Completed:

Revised (if applicable):

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.t)? [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 (Codl & Nio same) Ignore plugged wells	Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator (Including plugged wells)	C2C DISTANCE
WARDELL 7-1HZ									WARDELL 7-2HZ 367'	WARDELL H 19-05 370'	
	VEGA 10N	DG	05-123-48475	PDC ENERGY INC	0	VERTICAL					472
	WARDELL 4G-7HZ	PR	05-123-38313	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					242
	WARDELL H 19-33D	PA	05-123-31413	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					190
	WARDELL H 19-32D	PA	05-123-31411	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					175
	CAMP H 30-31	SI	05-123-31838	KERR MCGEE OIL & GAS ONSHORE LP	29	HORIZONTAL					28
	VEGA 9N	DG	05-123-48474	PDC ENERGY INC	51	VERTICAL					206
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	64	VERTICAL					902
	CAMP H 30-33	SI	05-123-31773	KERR MCGEE OIL & GAS ONSHORE LP	101	HORIZONTAL					110
	CAMP H 30-32	SI	05-123-31864	KERR MCGEE OIL & GAS ONSHORE LP	125	HORIZONTAL					91
WARDELL 7-2HZ									WARDELL 7-1HZ 367'	WARDELL H 19-05 112'	
	VEGA 10N	DG	05-123-48475	PDC ENERGY INC	0	VERTICAL					142
	WARDELL 4G-7HZ	PR	05-123-38313	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					297
	WARDELL H 19-33D	PA	05-123-31413	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					622
	WARDELL H 19-32D	PA	05-123-31411	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					646
	WARDELL 18-12J	SI	05-123-14986	KERR MCGEE OIL & GAS ONSHORE LP	36	HORIZONTAL					70
	WARDELL 18-13J	SI	05-123-14987	KERR MCGEE OIL & GAS ONSHORE LP	37	HORIZONTAL					94
	CAMP 30-13J	SI	05-123-17090	KERR MCGEE OIL & GAS ONSHORE LP	41	HORIZONTAL					35
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	49	VERTICAL					461
	WARDELL H 19-13	PA	05-123-15864	KERR MCGEE OIL & GAS ONSHORE LP	51	HORIZONTAL					42
	WARDELL H 19-05	PA	05-123-15889	NOBLE ENERGY PRODUCTION INC	72	HORIZONTAL					112
	WARDELL 11-18	SI	05-123-16365	KERR MCGEE OIL & GAS ONSHORE LP	106	HORIZONTAL					133
	HSR-NIALL 13-7	PA	05-123-15044	KERR MCGEE OIL & GAS ONSHORE LP	110	VERTICAL					177
	CAMP 30-4J	PR	05-123-15291	KERR MCGEE OIL & GAS ONSHORE LP	127	HORIZONTAL					103
	WARDELL H 19-04	PA	05-123-15888	KERR MCGEE OIL & GAS ONSHORE LP	163	HORIZONTAL					282
	WFL H 19-05JI	SI	05-123-21833	KERR MCGEE OIL & GAS ONSHORE LP	168	HORIZONTAL					264
	NGL C6A	IJ	05-123-40968	NGL WATER SOLUTIONS DJ LLC	192	HORIZONTAL					435
	CAMP 30-12J	SI	05-123-15193	KERR MCGEE OIL & GAS ONSHORE LP	200	HORIZONTAL					203
WARDELL 7-3HZ									WARDELL 7-4HZ 259'	NGL C6A 60'	
	NGL C6A	IJ	05-123-40968	NGL WATER SOLUTIONS DJ LLC	0	HORIZONTAL					60
	CAMP H 30-29D	SI	05-123-31414	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					220
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	4	VERTICAL					121
	WARDELL H 19-20	PA	05-123-22369	KERR MCGEE OIL & GAS ONSHORE LP	13	HORIZONTAL					60
	WARDELL 12-18	SI	05-123-16366	KERR MCGEE OIL & GAS ONSHORE LP	63	HORIZONTAL					30
	J J WARDELL 'C' 1	PA	05-123-07273	KERR MCGEE OIL & GAS ONSHORE LP	77	HORIZONTAL					135
	WARDELL H 19-3J	SI	05-123-07332	KERR MCGEE OIL & GAS ONSHORE LP	91	HORIZONTAL					133
	WARDELL H 18-20	PA	05-123-26200	KERR MCGEE OIL & GAS ONSHORE LP	94	HORIZONTAL					90
	CAMP H 30-19	SI	05-123-22100	KERR MCGEE OIL & GAS ONSHORE LP	100	HORIZONTAL					89
	WARDELL 4G-7HZ	PR	05-123-38313	KERR MCGEE OIL & GAS ONSHORE LP	121	VERTICAL					134
	CAMP LEWIS C. "B" UNIT 1	SI	05-123-07745	KERR MCGEE OIL & GAS ONSHORE LP	142	HORIZONTAL					143

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	WARDELL H 19-33D	PA	05-123-31413	KERR MCGEE OIL & GAS ONSHORE LP	150	HORIZONTAL					1043
	WARDELL H 19-32D	PA	05-123-31411	KERR MCGEE OIL & GAS ONSHORE LP	169	HORIZONTAL					1024
WARDELL 7-4HZ									WARDELL 7-3HZ 259'	CAMP 30-6J 249'	
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	0	VERTICAL					263
	NGL C6A	IJ	05-123-40968	NGL WATER SOLUTIONS DJ LLC	0	HORIZONTAL					421
	WARDELL H 19-2J	SI	05-123-15893	KERR MCGEE OIL & GAS ONSHORE LP	95	HORIZONTAL					92
	WARDELL 18-14J	PA	05-123-15730	KERR MCGEE OIL & GAS ONSHORE LP	131	HORIZONTAL					133
	WARDELL 4G-7HZ	PR	05-123-38313	KERR MCGEE OIL & GAS ONSHORE LP	147	VERTICAL					336
	MCGUCKIN H 31-29	SI	05-123-31767	KERR MCGEE OIL & GAS ONSHORE LP	176	HORIZONTAL					161
WARDELL 7-5HZ									WARDELL 7-4HZ 389'	CAMP 30-14J 88'	
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					121
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	0	VERTICAL					793
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					340
	NGL C6A	IJ	05-123-40968	NGL WATER SOLUTIONS DJ LLC	0	HORIZONTAL					831
	CAMP 30-11J	SI	05-123-15204	KERR MCGEE OIL & GAS ONSHORE LP	22	HORIZONTAL					41
	CAMP 30-3J	PR	05-123-15290	KERR MCGEE OIL & GAS ONSHORE LP	28	HORIZONTAL					28
	WARDELL H 19-14	PA	05-123-15865	KERR MCGEE OIL & GAS ONSHORE LP	29	HORIZONTAL					59
	WARDELL 18-11J	PA	05-123-15729	KERR MCGEE OIL & GAS ONSHORE LP	64	HORIZONTAL					153
	CAMP 30-14J	DA	05-123-17091	SNYDER OIL CORP	88	HORIZONTAL					88
	WARDELL H 19-03	PA	05-123-15887	KERR MCGEE OIL & GAS ONSHORE LP	100	HORIZONTAL					80
	CAMP 30-6J	DA	05-123-16983	SNYDER OIL CORP	101	HORIZONTAL					101
	WARDELL 18-6J	SI	05-123-14985	KERR MCGEE OIL & GAS ONSHORE LP	101	HORIZONTAL					121
	WARDELL H 19-11	PA	05-123-15862	KERR MCGEE OIL & GAS ONSHORE LP	114	HORIZONTAL					59
	WARDELL 18-3J	TA	05-123-14984	KERR MCGEE OIL & GAS ONSHORE LP	159	HORIZONTAL					164
	WARDELL 18-14J	PA	05-123-15730	KERR MCGEE OIL & GAS ONSHORE LP	160	HORIZONTAL					239
	WARDELL 4G-7HZ	PR	05-123-38313	KERR MCGEE OIL & GAS ONSHORE LP	162	VERTICAL					422
WARDELL 7-6HZ									WARDELL 7-7HZ 251'	CAMP 30-14J 469'	
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					547
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					240
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					834
	NGL C6A	IJ	05-123-40968	NGL WATER SOLUTIONS DJ LLC	0	HORIZONTAL					1175
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	11	VERTICAL					1285
	CAMP H 30-14X	SI	05-123-26643	KERR MCGEE OIL & GAS ONSHORE LP	108	HORIZONTAL					95
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	125	VERTICAL					256
	WFL H 18-14JI	PA	05-123-20406	KERR MCGEE OIL & GAS ONSHORE LP	139	HORIZONTAL					90
	CAMP H 30-6X	SI	05-123-26652	KERR MCGEE OIL & GAS ONSHORE LP	143	HORIZONTAL					143
	WARDELL 4G-7HZ	PR	05-123-38313	KERR MCGEE OIL & GAS ONSHORE LP	177	VERTICAL					436
WARDELL 7-7HZ									WARDELL 7-6HZ 251'	VEGA 16N 409'	
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					182

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	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					712
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					386
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					1005
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	26	VERTICAL					1462
	WFLH 18-24 JI	PA	05-123-20405	KERR MCGEE OIL & GAS ONSHORE LP	41	HORIZONTAL					80
	WFL H 18-21JI	TA	05-123-20404	KERR MCGEE OIL & GAS ONSHORE LP	64	HORIZONTAL					102
	WARDELL H 18-18	SI	05-123-26051	KERR MCGEE OIL & GAS ONSHORE LP	81	HORIZONTAL					57
	WARDELL H 19-24	PA	05-123-25989	KERR MCGEE OIL & GAS ONSHORE LP	145	HORIZONTAL					226
	CAMP H 30-28	PR	05-123-30000	KERR MCGEE OIL & GAS ONSHORE LP	152	HORIZONTAL					198
	WARDELL 4G-7HZ	PR	05-123-38313	KERR MCGEE OIL & GAS ONSHORE LP	192	VERTICAL					450
WARDELL 7-8HZ									WARDELL 7-9HZ 338'	ELKHEAD 10N 577'	
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					254
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					544
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					1175
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					848
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					1452
	WARDELL 2G-19HZ	PR	05-123-40090	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					658
	UPRC 19-15J	PR	05-123-15733	KERR MCGEE OIL & GAS ONSHORE LP	30	HORIZONTAL					29
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	41	VERTICAL					1910
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	77	VERTICAL					200
	BRANDENBURGER 30-2J	PA	05-123-15005	KERR MCGEE OIL & GAS ONSHORE LP	128	HORIZONTAL					37
WARDELL 7-9HZ									WARDELL 7-8HZ 338'	BOOKER, HAROLD E. 1 234'	
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					333
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					529
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					825
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					1443
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					1118
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					1705
	WARDELL 2G-19HZ	PR	05-123-40090	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					314
	HATCH-UPRR 31-19 #2	PA	05-123-12995	KERR MCGEE OIL & GAS ONSHORE LP	33	HORIZONTAL					34
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	56	VERTICAL					2160
	UPRC 19-10J	SI	05-123-16996	KERR MCGEE OIL & GAS ONSHORE LP	75	HORIZONTAL					87
	HSR-MORALES 7-19	SI	05-123-17050	KERR MCGEE OIL & GAS ONSHORE LP	75	HORIZONTAL					173
	WARDELL H 18-10	PA	05-123-15859	KERR MCGEE OIL & GAS ONSHORE LP	80	HORIZONTAL					123
	WARDELL H 18-15	SI	05-123-15860	KERR MCGEE OIL & GAS ONSHORE LP	93	HORIZONTAL					151
	WARDELL H 18-02	PA	05-123-15855	KERR MCGEE OIL & GAS ONSHORE LP	99	HORIZONTAL					136
	GLOVER 30-7J	SI	05-123-17029	KERR MCGEE OIL & GAS ONSHORE LP	102	HORIZONTAL					25
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	178	VERTICAL					222
WARDELL 7-10HZ									WARDELL 7-11HZ 307'	BOOKER, HAROLD E. 1 157'	
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					660
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	0	VERTICAL					267
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					889
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					1186
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					1787

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	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					1464
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					2037
	WARDELL 'H' 18-1J	PA	05-123-07333	KERR MCGEE OIL & GAS ONSHORE LP	1	HORIZONTAL					49
	TURKEY 17-19	PR	05-123-22289	KERR MCGEE OIL & GAS ONSHORE LP	33	HORIZONTAL					119
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	71	VERTICAL					2488
	ELKHEAD 12N	DG	05-123-48487	PDC ENERGY INC	79	VERTICAL					174
	WARDELL 2G-19HZ	PR	05-123-40090	KERR MCGEE OIL & GAS ONSHORE LP	91	HORIZONTAL					163
	WARDELL 6-8-7	PR	05-123-24166	CRESTONE PEAK RESOURCES OPERATING LLC	104	VERTICAL					315
	BOOKER, HAROLD E. 1	PA	05-123-08106	AMOCO PRODUCTION COMPANY	157	HORIZONTAL					157
	BUTTERBALL H 30-27	PR	05-123-26199	KERR MCGEE OIL & GAS ONSHORE LP	168	HORIZONTAL					161
	UPRR 22 PAN AM UT/ V 1	PA	05-123-14454	KERR MCGEE OIL & GAS ONSHORE LP	184	HORIZONTAL					175
WARDELL 7-11HZ									WARDELL 7-12HZ 305'	WARDELL H 18-01 376'	
	ELKHEAD 13N	AP	05-123-48490	PDC ENERGY INC	0	VERTICAL					172
	ELKHEAD 12N	DG	05-123-48487	PDC ENERGY INC	0	VERTICAL					423
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					1067
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	0	VERTICAL					669
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					1283
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					1579
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					2158
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					1840
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					2393
	WARDELL 6-8-7	PR	05-123-24166	CRESTONE PEAK RESOURCES OPERATING LLC	0	VERTICAL	YES				91
	UPRC H 19-23	SI	05-123-22153	KERR MCGEE OIL & GAS ONSHORE LP	10	HORIZONTAL					34
	B&BH 30-17	PA	05-123-22306	KERR MCGEE OIL & GAS ONSHORE LP	14	HORIZONTAL					115
	WFL H 18-8JI	PA	05-123-21045	KERR MCGEE OIL & GAS ONSHORE LP	48	HORIZONTAL					52
	WARDELL H 18-4J	TA	05-123-15892	KERR MCGEE OIL & GAS ONSHORE LP	65	HORIZONTAL					102
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	86	VERTICAL					2837
	WARDELL 4-6-7	PR	05-123-24119	CRESTONE PEAK RESOURCES OPERATING LLC	182	VERTICAL					685
	BUTTERBALL H 30-27	PR	05-123-26199	KERR MCGEE OIL & GAS ONSHORE LP	198	HORIZONTAL					203
WARDELL 7-12HZ									WARDELL 7-11HZ 305'	WARDELL H 18-01 36'	
	ELKHEAD 13N	AP	05-123-48490	PDC ENERGY INC	0	VERTICAL					323
	ELKHEAD 12N	DG	05-123-48487	PDC ENERGY INC	0	VERTICAL					604
	ELKHEAD 14N	DG	05-123-48486	PDC ENERGY INC	0	VERTICAL					146
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					1231
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	0	VERTICAL					838
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					1437
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					1731
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					2303
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					1986
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					2531
	WARDELL 6-8-7	PR	05-123-24166	CRESTONE PEAK RESOURCES OPERATING LLC	0	VERTICAL					227
	UPRC 19-9J	SI	05-123-17064	KERR MCGEE OIL & GAS ONSHORE LP	33	HORIZONTAL					33
	WARDELL H 18-08	PA	05-123-15857	KERR MCGEE OIL & GAS ONSHORE LP	37	HORIZONTAL					55
	WARDELL H 18-09	PA	05-123-15858	KERR MCGEE OIL & GAS ONSHORE LP	64	HORIZONTAL					65
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	101	VERTICAL					2973
	HSR-OSBORNE 8-19A	SI	05-123-17049	KERR MCGEE OIL & GAS ONSHORE LP	101	HORIZONTAL					110
	WARD 30-1J	PA	05-123-15004	KERR MCGEE OIL & GAS ONSHORE LP	116	HORIZONTAL					89

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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.t)? [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 (Codl & Nio same) Ignore plugged wells	Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator (Including plugged wells)	C2C DISTANCE
	WARDELL H 18-01	PA	05-123-15854	NOBLE ENERGY INC	122	HORIZONTAL					36
	WFL H 18-1JI	PA	05-123-21040	KERR MCGEE OIL & GAS ONSHORE LP	181	HORIZONTAL					187
	WARDELL 4-6-7	PR	05-123-24119	CRESTONE PEAK RESOURCES OPERATING LLC	200	VERTICAL					672
WARDELL 7-13HZ									WARDELL 7-14HZ 264'	WARDELL H 18-01 428'	
	ELKHEAD 13N	AP	05-123-48490	PDC ENERGY INC	0	VERTICAL					700
	ELKHEAD 12N	DG	05-123-48487	PDC ENERGY INC	0	VERTICAL					978
	ELKHEAD 14N	DG	05-123-48486	PDC ENERGY INC	0	VERTICAL					484
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					1578
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	0	VERTICAL					1197
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					1773
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					2062
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					2615
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					2305
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					2827
	REI H 20-30D	SI	05-123-31962	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					511
	WARDELL 6-8-7	PR	05-123-24166	CRESTONE PEAK RESOURCES OPERATING LLC	0	VERTICAL	YES				92
	ELKHEAD 15N	DG	05-123-48488	PDC ENERGY INC	4	VERTICAL					187
	GLOVER 30-8J	SI	05-123-17030	KERR MCGEE OIL & GAS ONSHORE LP	42	HORIZONTAL					100
	UPRC 19-16J	PR	05-123-15734	KERR MCGEE OIL & GAS ONSHORE LP	96	HORIZONTAL					146
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	116	VERTICAL					3263
	WARDELL H 18-16JI	PR	05-123-20344	KERR MCGEE OIL & GAS ONSHORE LP	129	HORIZONTAL					153
	WARDELL UPRR 41-19	PA	05-123-14727	KERR MCGEE OIL & GAS ONSHORE LP	142	HORIZONTAL					177
	WARDELL H 17-33	PR	05-123-27021	KERR MCGEE OIL & GAS ONSHORE LP	169	HORIZONTAL					133
	REI H 17-31D	PA	05-123-28023	KERR MCGEE OIL & GAS ONSHORE LP	193	HORIZONTAL					189
WARDELL 7-14HZ									WARDELL 7-13HZ 264'	ELKHEAD 15N 623'	
	ELKHEAD 13N	AP	05-123-48490	PDC ENERGY INC	0	VERTICAL					956
	ELKHEAD 15N	DG	05-123-48488	PDC ENERGY INC	0	VERTICAL					457
	ELKHEAD 12N	DG	05-123-48487	PDC ENERGY INC	0	VERTICAL					1226
	ELKHEAD 14N	DG	05-123-48486	PDC ENERGY INC	0	VERTICAL					746
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					1817
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	0	VERTICAL					1432
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					1997
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					2283
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					2815
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					2510
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					3016
	REI H 20-30D	SI	05-123-31962	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					176
	REI H 17-31D	PA	05-123-28023	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					149
	WARDELL 6-8-7	PR	05-123-24166	CRESTONE PEAK RESOURCES OPERATING LLC	0	VERTICAL					287
	ELKHEAD 16N	DG	05-123-48491	PDC ENERGY INC	55	VERTICAL					294
	WARDELL 44-7	SI	05-123-21969	CRESTONE PEAK RESOURCES OPERATING LLC	72	VERTICAL	YES				126
	WARDELL 4-6-7	PR	05-123-24119	CRESTONE PEAK RESOURCES OPERATING LLC	82	VERTICAL					513
	REI H 17-32D	PA	05-123-31615	KERR MCGEE OIL & GAS ONSHORE LP	86	HORIZONTAL					100
	WARDELL 7A 3	PR	05-123-17610	CRESTONE PEAK RESOURCES OPERATING LLC	124	VERTICAL	YES				110
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	131	VERTICAL					3445

GIS BUFFER REVIEW AND ANALYSIS

Pad Name:
WARDELL FED 13-7HZ
Columns in red are formulas

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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.t)? [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 (Codl & Nio same) Ignore plugged wells	Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator (Including plugged wells)	C2C DISTANCE
WARDELL 7-15HZ									WARDELL 7-16HZ 347'	WARDELL H 18-01 1128'	
	ELKHEAD 13N	AP	05-123-48490	PDC ENERGY INC	0	VERTICAL					1220
	ELKHEAD 15N	DG	05-123-48488	PDC ENERGY INC	0	VERTICAL					722
	ELKHEAD 12N	DG	05-123-48487	PDC ENERGY INC	0	VERTICAL					1488
	ELKHEAD 14N	DG	05-123-48486	PDC ENERGY INC	0	VERTICAL					1026
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					2054
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	0	VERTICAL					1685
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					2229
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					2510
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					3030
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					2729
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					3220
	REI H 17-30D	SI	05-123-35346	KERR MCGEE OIL & GAS ONSHORE LP	0	VERTICAL					24
	REI H 17-32D	PA	05-123-31615	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					312
	REI H 17-31D	PA	05-123-28023	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					567
	WARDELL 6-8-7	PR	05-123-24166	CRESTONE PEAK RESOURCES OPERATING LLC	0	VERTICAL	YES				111
	UPRC 17-12J5	PA	05-123-18463	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					103
	UPRC 17-4J	SI	05-123-15046	KERR MCGEE OIL & GAS ONSHORE LP	71	HORIZONTAL					64
	HSR-ROSENTHALER 4-20	PA	05-123-16967	KERR MCGEE OIL & GAS ONSHORE LP	76	HORIZONTAL					76
	HSR-NEMIROW 5-20	PA	05-123-16975	KERR MCGEE OIL & GAS ONSHORE LP	77	HORIZONTAL					78
	UPRC H17-99HZ	PR	05-123-32747	KERR MCGEE OIL & GAS ONSHORE LP	97	HORIZONTAL					NOT FOUND
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	146	VERTICAL					3639
	HSR-REA 12-20	PA	05-123-16985	KERR MCGEE OIL & GAS ONSHORE LP	150	HORIZONTAL					213
WARDELL 7-16HZ									WARDELL 7-17HZ 334'	ELKHEAD 16N 1277'	
	ELKHEAD 13N	AP	05-123-48490	PDC ENERGY INC	0	VERTICAL					1480
	ELKHEAD 15N	DG	05-123-48488	PDC ENERGY INC	0	VERTICAL					1013
	ELKHEAD 12N	DG	05-123-48487	PDC ENERGY INC	0	VERTICAL					1742
	ELKHEAD 14N	DG	05-123-48486	PDC ENERGY INC	0	VERTICAL					1294
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					2289
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	0	VERTICAL					1924
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					2448
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					2725
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					3220
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					2927
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					3397
	REI H 17-30D	SI	05-123-35346	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					423
	UPRC H17-99HZ	PR	05-123-32747	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					NOT FOUND
	REI H 17-32D	PA	05-123-31615	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					659
	WARDELL 6-8-7	PR	05-123-24166	CRESTONE PEAK RESOURCES OPERATING LLC	0	VERTICAL	YES				100
	UPRC 17-12J5	PA	05-123-18463	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					139
	UPRC 17-13J5	PA	05-123-18462	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					62
	HSR-IAN 13-20	PA	05-123-16986	KERR MCGEE OIL & GAS ONSHORE LP	29	HORIZONTAL					36
	UPRC 17-5J5	PA	05-123-17856	KERR MCGEE OIL & GAS ONSHORE LP	77	HORIZONTAL					145
	WARDELL 29-29	PR	05-123-24091	KERR MCGEE OIL & GAS ONSHORE LP	114	HORIZONTAL					563
	HSR-REA 12-20	PA	05-123-16985	KERR MCGEE OIL & GAS ONSHORE LP	150	HORIZONTAL					158
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	161	VERTICAL					3805
	WARDELL 4-6-7	PR	05-123-24119	CRESTONE PEAK RESOURCES OPERATING LLC	168	VERTICAL					527
	WARDELL 44-7	SI	05-123-21969	CRESTONE PEAK RESOURCES OPERATING LLC	172	VERTICAL	YES				124

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WARDELL FED 13-7HZ

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WARDELL 7-17HZ									WARDELL 7-16HZ 334'	BB DRAW H 8-14 1379'	
	ELKHEAD 10N	DG	05-123-48485	PDC ENERGY INC	0	VERTICAL					2503
	ELKHEAD 11N	DG	05-123-48481	PDC ENERGY INC	0	VERTICAL					2154
	ELKHEAD 9N	DG	05-123-48477	PDC ENERGY INC	0	VERTICAL					2652
	VEGA 16N	DG	05-123-48476	PDC ENERGY INC	0	VERTICAL					2922
	VEGA 14N	DG	05-123-48473	PDC ENERGY INC	0	VERTICAL					3399
	VEGA 15N	DG	05-123-48471	PDC ENERGY INC	0	VERTICAL					3114
	VEGA 13N	DG	05-123-48469	PDC ENERGY INC	0	VERTICAL					3562
	REI H 17-30D	SI	05-123-35346	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					127
	UPRC H17-99HZ	PR	05-123-32747	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					NOT FOUND
	REI H 17-32D	PA	05-123-31615	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					1099
	UPRC H 17-25	PA	05-123-24319	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					61
	WARDELL 6-8-7	PR	05-123-24166	CRESTONE PEAK RESOURCES OPERATING LLC	0	VERTICAL	YES				110
	WARDELL 29-29	PR	05-123-24091	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					300
	UPRC 17-12J5	PA	05-123-18463	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					525
	UPRC 17-13J5	PA	05-123-18462	KERR MCGEE OIL & GAS ONSHORE LP	0	HORIZONTAL					444
	ELKHEAD 12N	DG	05-123-48487	PDC ENERGY INC	0	VERTICAL					1984
	ELKHEAD 13N	AP	05-123-48490	PDC ENERGY INC	19	VERTICAL					1728
	ELKHEAD 14N	DG	05-123-48486	PDC ENERGY INC	36	VERTICAL					1560
	ELKHEAD 15N	DG	05-123-48488	PDC ENERGY INC	55	VERTICAL					1272
	REI H 17-28D	PR	05-123-35343	KERR MCGEE OIL & GAS ONSHORE LP	69	HORIZONTAL					1417
	REI H 17-21D	SI	05-123-35347	KERR MCGEE OIL & GAS ONSHORE LP	80	HORIZONTAL					1304
	UPRC H 17-19	SI	05-123-25176	KERR MCGEE OIL & GAS ONSHORE LP	81	HORIZONTAL					113
	WARDELL 22-20	PA	05-123-25889	KERR MCGEE OIL & GAS ONSHORE LP	149	HORIZONTAL					158
	VEGA 12N	DG	05-123-48472	PDC ENERGY INC	176	VERTICAL					3963