

Transfer Mitigation Through Reduced Pumping

Proposed Pumping Schedule and Mitigation with Reduced Volume

Applicant: **Gulick** Ground Water Pumping Node (9, 13) Revised 1/06/05 - JCH

Transfer from Prescott (5 ac. 11, 15) - 100%

Years			Consumptive Volume (on 240-Acres) 5.0	Percent pumped volu	Calculated Impact (+) is depletion					
Begin	End	Number			[A/f/Year] [Net %] Heise/Ashton to Lewisville	[A/f/Year] [Net %] Shelley to Neeley	[A/f/Year] [Net %] Neeley to Mirindoka	[A/f/Year] [Net %] Milner to King Hill		
2004	2005	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005	2006	1	9.8	65%	0.0	0.0	0.0	-0.4	0.5	4.4
2006	2007	1	11.3	75%	0.0	0.0	0.0	-2.4	0.5	4.5
2007	2008	1	12.1	80%	0.0	0.0	-0.3	-0.1	-5.4	0.6
2008	2009	1	12.1	80%	0.0	-0.1	-0.9	-0.1	-8.6	0.5
2009	2010	1	12.8	85%	0.0	-0.2	-1.8	-0.1	-11.8	0.6
2010	2011	1	12.8	85%	0.0	-0.5	-3.0	-0.2	-14.8	0.6
2011	2012	1	12.8	85%	0.0	-0.9	-4.4	-0.2	-17.5	0.6
2012	2013	1	12.8	85%	0.0	-1.4	-6.0	-0.2	-19.9	0.5
2013	2014	1	13.3	88%	0.0	-2.2	-7.7	-0.3	-22.2	0.6
2014	2015	1	13.3	88%	0.0	-3.1	-9.4	-0.3	-24.3	0.6
2015	2016	1	13.3	88%	0.0	-4.1	-11.2	-0.3	-26.3	0.6
2016	2017	1	13.3	88%	0.0	-5.2	-13.0	-0.4	-28.0	0.6
2017	2018	1	13.3	88%	0.0	-6.5	-14.8	-0.4	-29.7	0.5
2018	2019	1	13.3	88%	0.0	-7.8	-16.5	-0.4	-31.2	0.5
2019	2020	1	13.3	88%	0.0	-9.1	-18.2	-0.4	-32.7	0.4
2020	2021	1	13.6	90%	0.0	-10.4	-19.8	-0.4	-34.0	0.5
2021	2022	1	13.6	90%	0.0	-11.8	-21.4	-0.4	-35.2	0.5
2022	2023	1	13.6	90%	0.0	-13.2	-22.9	-0.5	-36.4	0.5
2023	2024	1	13.6	90%	0.0	-14.5	-24.4	-0.5	-37.4	0.5
2024	2025	1	13.6	90%	0.0	-15.8	-25.7	-0.5	-38.4	0.5
2025	2026	1	13.6	90%	0.0	-17.1	-27.1	-0.5	-39.3	0.4
2026	2027	1	13.6	90%	0.0	-18.4	-28.3	-0.5	-40.2	0.4
2027	2028	1	13.6	90%	0.0	-19.7	-29.5	-0.5	-41.0	0.4
2028	2029	1	13.6	90%	0.0	-20.9	-30.6	-0.5	-41.7	0.4
2029	2030	1	13.6	90%	0.0	-22.0	-31.7	-0.5	-42.4	0.4
2030	2031	1	13.6	90%	0.0	-23.1	-32.8	-0.6	-43.1	0.3
2031	2032	1	13.6	90%	0.0	-24.2	-33.7	-0.6	-43.7	0.3
2032	2033	1	13.6	90%	0.0	-25.3	-34.7	-0.6	-44.3	0.3
2033	2034	1	13.6	90%	0.0	-26.3	-35.5	-0.6	-44.8	0.3
2034	2035	1	13.6	90%	0.0	-27.3	-36.4	-0.6	-45.3	0.3
2035	2036	1	13.6	90%	0.0	-28.2	-37.2	-0.6	-45.8	0.2
2036	2037	1	13.6	90%	0.0	-29.1	-37.9	-0.6	-46.2	0.2
2037	2038	1	13.6	90%	0.0	-29.9	-38.7	-0.6	-46.7	0.2
2038	2039	1	13.6	90%	0.0	-30.8	-39.3	-0.6	-47.1	0.2
2039	2040	1	13.6	90%	0.0	-31.6	-40.0	-0.6	-47.4	0.2
2040	>>>>	1	14.2	94%	0.0	-50	-52	-1	-52	0.5
LONG TERM			14.2	94%	0.0	-50	-52	-1	-52	0.5

Applicant must reduce annual pumping to mitigate increased depletion in Milner-King Hill Reach

EXHIBIT						
Larry Gulick Cattle Transfer						
Prescott Water Right before and after						
Water Right Number		36-16197				
Section 34 T7S R18E						
	Acres	Acres	Acres	crop	afa	total a-f
	Pre-Xfer	X-fer	Post-Xfer			
NE NE	27.8	3.6	24.2		3.012	10.8432
NW NE	40	0	40			
SW NE	40	0	40			
SE NE	34.4	1.4	33		3.012	4.2168
NE NW	40	0	40			
NW NW	40	0	40			
SW NW	39	0	39			
SE NW	40	0	40			
NE SE	40	0	40			
NW SE	40	0	40			
SW SE	26	0	26			
SE SE	37	0	37			
Section 35 T7S R18E						
	Acres	Acres	Acres			
	Pre-Xfer	X-fer	Post-Xfer			
NW NW	37	0	37			
SW NW	24	0	24		3.012	0
NW SE	24.9	0	24.9			
SW SE	13	0	13			
				cfs	IRR afa	CU afa
543.1				0.08	20	15.1
ac.				IRR afa		
16195	25.2%	1.3		0.02	5.0	3.8
16197	74.8%	3.7		0.05	15.0	11.3

From (11,15)

To (9,13)