

Hart O&G Well #	Gallup Injection Interval	Surf Csg			Prod Csg			TOC 6 - 3/4" Hole	Tub ing		Inj. Press- Oprtr PSI	Max Allow Inj Press PSI	Avg Inj Rate- Oprtr B/D	Max Inj Rate- Oprtr B/D	Cum Vol @ Avg Inj Rate- 20 Yrs MMbbis.	Calc Est Vol of Inj Intrvl r=2640' MMbbis	Avg Eff Poro	So	h	ZEI 'r' (calc)		
		Dia	Set @	Cmt	Dia	Set @	Cmt		Dia	Pkr Depth												
117 HGU	916'-928'	7"	49'	9sx	4"	952'	70sx	440' Calc	2- 3/8"	921'	<800	800	250	400	1.825	4.094	14%	50%	15'	1763'	117	
132 HGU	1040'-1050'	7-5/8"	42'	10sx	5"	1070'	75sx	281' Calc	2- 3/8"	1043'	<800	800	250	400	1.825	3.276	14%	50%	12'	1971'	132	
136 HGU	981-988'	7-5/8"	48'	7sx	5"	1018'	75sx	229' Calc	2- 3/8"	980'	<800	800	250	400	1.825	4.749	14%	50%	16'	1707'	136	
143 HGU	1005'-1010'	7"	35'	7sx	4-1/2"	1064'	75sx	423' Calc	2- 3/8"	1004'	<800	800	250	400	1.825	2.184	14%	50%	8'	2413'	143	

30-045-10956

30-045-11048

30-045-10986

30-045-11023

* Due to continuous production draw-down, The Max Inj Rate is not fixed in enhanced recovery (Class IIR) wells as long as the Max Allow Inj Press is not exceeded.

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