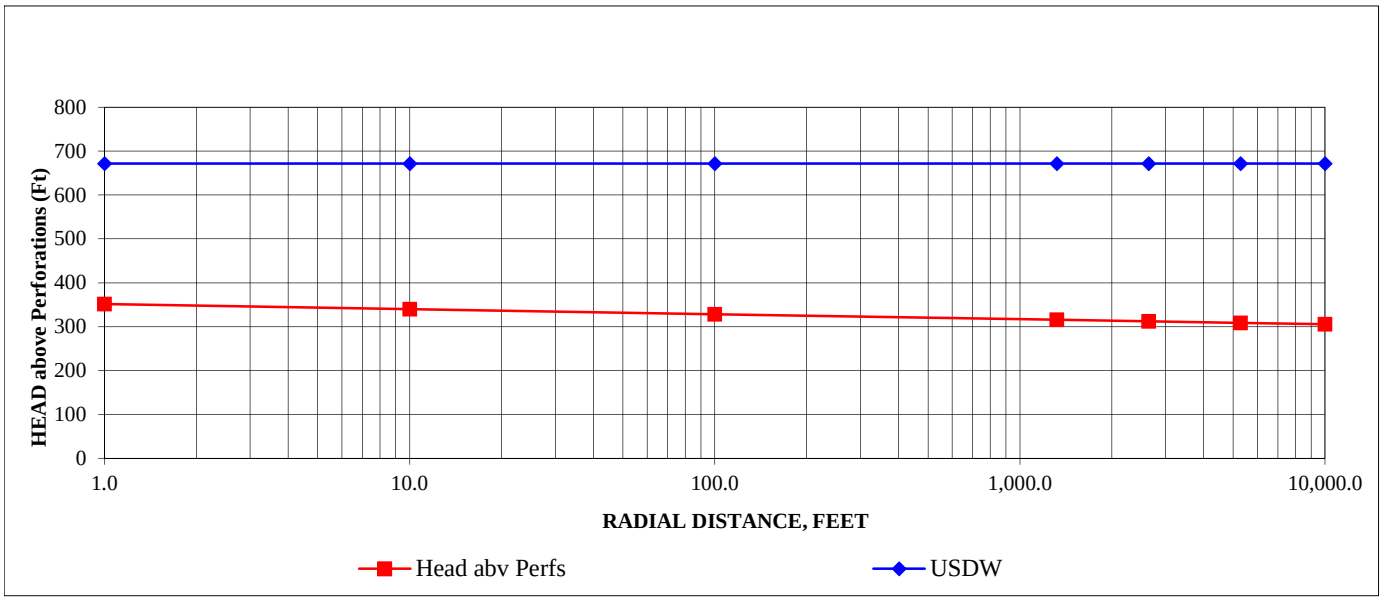
APPLICANT NAME:		APPLICATION NO.:	
LEASE NAME:		WELL NO.:	
TYPE OF INJECTION:		FORMATION NAME:	
S-T-R:		SCAN CODE:	

ESTIMATION OF ZONE OF ENDANGERING INFLUENCE

SPECIFIC GRAVITY	1.1000		HYDROSTATIC GRADIENT		fluid gradient			
INJECTION RATE, Q	1000	B/D	Fresh Water	0.433	0.476	PSI/FT		
PAY THICKNESS, h	168	FT						
COMPRESSIBILITY, c	7.50E-06	1/PSI	PERMEABILITY, k				350	md
FLUID VISCOSITY, u	1	cps	POROSITY, phi				26	%
INJECTION TIME, t	7300	DAYS	FORM VOL FACTOR, b				1	
	Measured Depth (less KB to GL)		INIT RES PRESS@top, Pi					
TOP OF INJECT ZONE	842	FT SUBSURF			PSI	139		
BASE OF USDW	170	FT SUBSURF	Top GWL		0	ft		delta ft
STATIC LEVEL	550	FT SUBSURF	USDW head		170	ft		292
USDS, Ht abv perfs	672	FT						

Radius at which injection no longer influences the reservoir pressure : 136,424 ft after 20 yrs.

Radius of influence, with column weight inc: **0 ft** 0.00 miles

Distance from Wellbore (ft)	Change in BHP (psig)	Res Press. BHP (psig)	Res.Press. @base of usdw (psi)	usdw press @base of usdw (psi)	Pressure Difference (PSI)	Hydrostatic Column (ft)	USDW Ht abv perfs (ft)
1.0	28	167	-152	74	-226	352	672
10	23	162	-158	74	-232	340	672
100	17	156	-164	74	-237	328	672
1,320	11	150	-170	74	-243	315	672
2,640	9	148	-171	74	-245	312	672
5,280	8	147	-173	74	-247	308	672
10,000	6	145	-175	74	-248	305	672

1320 = EPA 1/4 mile radius