		Scenario Definition		Units
Storage Coefficient	**S**	0.1764		
Transmissivity	**T**	7963		**gpd/ft**
		Proposed	**Original**	
Distance from Pumping Well	**r**	1830	2469	**ft**
Pumping Time	**tp**	69.09	84.48	**days**
Pumping Rate	**Q**	940	300	**gpm**
Pumping Volume	**V**	287	112	**AF**
Proposed		13122 D1: 99N 2708W 28-25-30W		
Original		13122 D1: 1530N 1530W 28-25-30W		
Target		30009: NC SW 28-25-30W		

Run Scenario

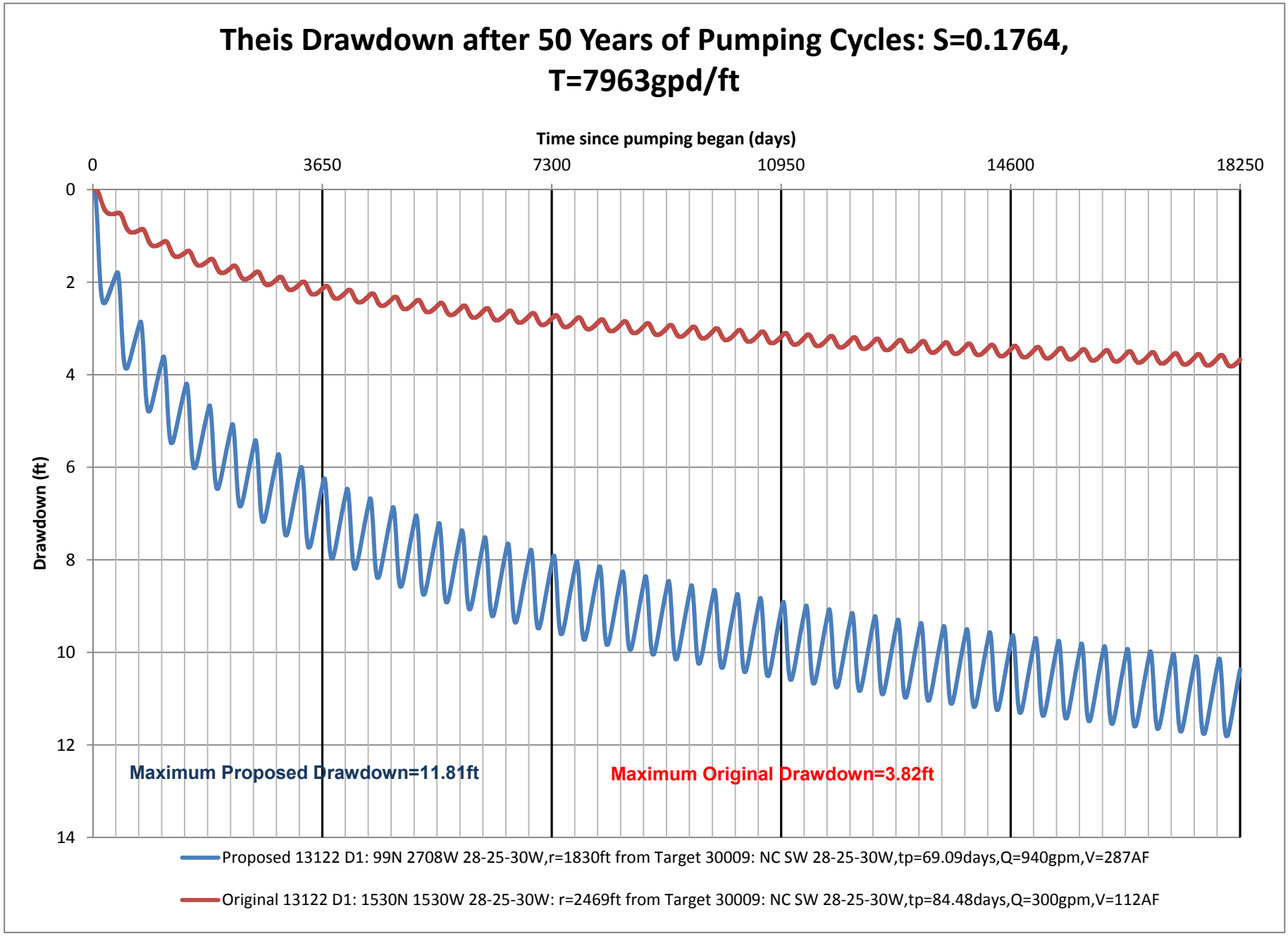
13122 D1 Reported Water Use

Year	AF	Rate
2014	112	300
2013	136	350
2012	127	350
Avg	125	

Proposed is authorized rate/quantity

Section	ST (ft)	SY	T (ft^2/d)	T (gpd/ft)
28-25-30W	62	0.1764	1064.54	7962.76
28-25-30W	62	0.1764	1064.54	7962.76
Avg	62	0.1764	1064.54	7962.76

Maximum Proposed Drawdown (ft)	11.81
Maximum Original Drawdown (ft)	3.82
Difference (ft)	7.99
Percent of ST	12.89%


Theis Drawdown after 50 Years of Pumping Cycles: S=0.1764, T=7963gpd/ft
Time since pumping began (days)
0
3650
7300
10950
14600
18250
Drawdown (ft)
0
2
4
6
8
10
12
14
Maximum Proposed Drawdown=11.81ft
Maximum Original Drawdown=3.82ft
Proposed 13122 D1: 99N 2708W 28-25-30W,r=1830ft from Target 30009: NC SW 28-25-30W,tp=69.09days,Q=940gpm,V=287AF
Original 13122 D1: 1530N 1530W 28-25-30W: r=2469ft from Target 30009: NC SW 28-25-30W,tp=84.48days,Q=300gpm,V=112AF