

3. CEMENTING & FLOAT EQUIPMENT DETAIL

WELL DATA	SURFACE	INTERMEDIATE (TD 3000')	PRODUCTION (TD 9525')
Depth	350'	3000'	9525'
Casing Size	13-3/8"	9-5/8"	7"
Hole Size	17-1/2"	12-1/4"	8-3/4"
Desired Fill	Surface	Surface	Surface
Hole Volume	245 Ft ³	940 Ft ³	980 Ft ³ , 475 Ft ³
Recommended Volume	490 Ft ³	1410 Ft ³	1127 Ft ³ , 475 Ft ³
DV Tool Depth	N/A	N/A	3000'

SLURRY

	Surface	Intermediate	Production 1st Stage	Production 2nd Stage
Recommendation	375 sx 'C' + 2% CaCl ₂ + 1/4#/sk Celloseal	Lead: 450 sx 'C' + .25% Dispersent + 2.5% Extender + .5% Gel + .2% Salt + 1/4 PPS Cellophane Tail: 100 sx Cl 'C' Neat 2.85 Ft ³	Lead: 100 sx 36:65 Poz 'C' + 6% Gel + 9 PPS Salt + .2% Defoamer + .8% F.L. Additive Tail: 690 sx 50:50 Pox 'C' + 2% Gel + 4 PPS Salt + .2% Defoamer + .6% F. L.	Lead: 150 sx 'C' + .25% Dispersent + 2.5% Extender + .5% Gel + .2% Salt + 1/4 PPS Cellophane Tail: 100 sx Cl 'C' Neat 2.85 Ft ³
Yield	1.32 Ft ³ /sk	2.85 Ft ³ /sk, 1.32 Ft ³ /sk,	2.14 Ft ³	2.85 Ft ³
Weight	14.8 PPF	11.6 PPG	12.7, 14.2 PPG	11.6 PPG
Mix Water	6.32 gal/sk	17.2 gal/sk	11.6 gal/sk 6.2 gal/sk	17.2 gal/sk