

and water zones behind the same casing and hoping for the best.

No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 8 5/8" casing to 1700' and circulating cement back to surface.

4. Casing Program:

Hole Size	Interval	OD csg	Weight, Grade, Jt. Cond, Type
12 1/4"	1700'	8 5/8"	32#, K-55, ST&C, New or Used, R-3
7 7/8"	0-TD	5 1/2"	15.5 #, J-55, LT&C, New or Used, R-3

Cement Program:

Controlled Water Basin

WITNESS

8 5/8" surface casing:

Cemented to surface with 600 sx of Premium Plus Lite + 15# / sx salt + 1/4 # / sx Flocele.

5 1/2" production casing:

Cemented with 519 sx 50/50 Class H / Poz + 0.8% Halad 9 + 1/4 # / sx Flocele.

5. Minimum Specifications for Pressure Control:

By diagram. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and 3" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 3000 psi WP rating.

6. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with a fresh water bentonite mud system. The applicable depths and properties of this system are as follows:

Depth	Type	Weight (ppg)	Viscosity (sec)	Waterloss (cc)
0 – 3000'	Fresh Water (spud)	8.5	40-45	N.C.
3000' – TD	Fresh Water and/or bentonite mud	8.5	40-60	N.C. - 10