

CEDAR LAKE # 1

7 POINT WELL CONTROL PLAN

1. Surface casing: 8 5/8", 24#, approximately 500', grade K-55, used condition.
2. Casinghead will be 10", 900 series, 3,000 psi rating.
3. Intermediate casing - none required.
4. Blowout preventors: Hydraulic, double ram, 10". One set of rams will be provided for each size casing or drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2" with variable choke.
5. Auxiliary equipment:
  - (1) Kelly cock will be in use at all times.
  - (2) Stabbing valve to fit drill pipe will be present on floor at all times.
  - (3) Mud monitoring will be visual, no abnormal pressures are present in this area.
6. Anticipated bottom-hole pressure:

This is an area of normal pressure. Maximum anticipated pressure at 4,250' T.D. is 2,000 psi.
7. Drilling Fluids:

0 - 3,000'	Water with gel as needed for good hole conditioning.
3700' - T.D.	Water loss 10cc or less to drill pay and log.
	Raise viscosity as needed for logs.