

1) Geologic name of surface formation.

Kirtland

2) Estimated tops of important geologic markers.

La Ventata	875
Chacra	1233
Cliff House	1779
Menefee	1841
Point Lookout	2675

3) Estimated depths at which anticipated water, oil, gas or other mineral-bearing formations are expected.

2675' - oil & gas

4) Proposed casing program.

Surface: 9 5/8", 36#, K-55, new casing to be set at 100'. Cement will be with 100 sk. Class "B" + 2% gel + 0.5% CFR-2.

Production: 5 1/2", 15.5, K-55, new casing to be set at 2750'. Cement will be 325 sk. Class "B" + 2% gel + 0.5% CFR-2.

5) Specifications for pressure control equipment.

The attached schematic shows the type of blow out preventer to be used while drilling. The unit will be tested to 200 psi as soon as possible after its installation on the surface pipe. Testing will be done with the rig pump. This is a manual type preventer, and its operation will be manually checked when practical.

6) Drilling fluids.

Depth	Type	Viscosity	Weight	Fluid Loss (cc)
0-100	gel-lime	35-45	8.6-9.0	N/C
100-2600	low-solids	29-33	8.4-8.8	15
2600-2750	gel-chem	35-40	8.8-9.4	8

7) Auxiliary equipment.

- a. bit float
- b. full opening stabbing valve to be used when kelly is not in the string

8) Logging - Coring - Testing.

Logging: Induction Electric Log, Formation Compensated Density, Gamma Ray, Caliper