

UNION TEXAS PETROLEUM CORPORATION
LANGLIE JAL UNIT NO. 109

The following information is filed as a supplement to Form 9-331-C "Application For Permit to Drill, Deepen or Plug Back."

1. The geologic surface formation is Quarternary Alluvium.
2. The estimated tops of geologic markers are as follows:

Salt	1450'+
Yates	2900'+
Seven Rivers	3100'+
Queen	3400'+

3. The estimated depths at which anticipated water, oil or gas formations are to be encountered:

Water: Santa Rosa 600', (Yates 2900')
Oil or Gas Seven Rivers 3100'.

4. Proposed Casing Program:

Surface casing set at 800': 8-5/8" K-55 ST&C 243 cemented with 425 sacks. Cement to be circulated to surface.

Production casing set at 3800': 5-1/2" K-55 ST&C 14# cemented with 800 sacks. Cement to be circulated to surface.

5. Well control equipment will comply with API RP 53 Class 2M specifications. BOP's to be tested to 500 PSI prior to drilling out under surface casing. A drawing of the desired configuration is attached.

6. Mud Program:

A. Surface (0'-800'): Surface will be spudded with fresh water. We will drill to 800' with this fluid using paper as required to control fluid loss and caustic soda for 10.0 ph.

B. Production (800'-¹⁴⁰⁰~~2700~~): Fresh water with paper to control fluid loss.

¹⁴⁰⁰
(~~2700~~ - 3800'): Brine mud with a 9.2 - 10.0 ppg weight. Increase viscosity as necessary with salt gel for hole cleaning.

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Page 2
LJU # 109
Suppl. Form 9-331-C

7. Auxiliary Equipment: None
8. Logging Program:
 - 800' - TD GR-CNL-FDC
 - 800' - TD GR-DDL-MSFL Caliper
9. No abnormal pressures or temperatures are anticipated.
- 10 Anticipated Starting Date: As soon as possible.

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413