

THE FOLLOWING INFORMATION IS FILED AS A SUPPLEMENT TO
FORM 9-331C "Application For Permit to Drill, Deepen,
or Plug Back"

1. The geologic name of the surface formation.
Quarternary Alluvium, Bolson and other surficial deposits.
2. The estimated tops of important geologic markers.

Anhydrite - 1085'	Seven Rivers - 3129'
T/Salt - 1440'	Queen - 3466'
B/Salt - 2677'	Grayburg - 3700'
Yates - 2885'	
3. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered.

Yates - 2885'	(Gas)
Seven Rivers - 3129'	(Oil & Gas)
Queen - 3466'	(Oil, Water, & Gas)
4. The proposed casing program, including the size, grade, and weight per foot of each string; and whether new or used.

Surface - 8-5/8", K-55, 24#/Ft, New
Production - 5-1/2", K-55, 14#/Ft, New
5. The lessee's or operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof, showing sizes, pressure ratings (Or API Series), and the testing procedures and testing frequency. Well control equipment will comply with API 3M Rds Specifications. Will run test and check prior to drilling out (Test to 1500#) a schematic diagram with minimum specification is attached.
6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling, and the quantities and types of mud and weighting materials to be maintained.
 - A. Surface - Surface will be spudded with fresh water gel and lime type drilling fluid.
 - B. Production - Drill out below surface string with 10.0#/Gal. brine water using lime for pH control (10.0 to 11.0 pH). At 2800', prior to penetration of the Yates, mud up with a brine water, salt gel, My-L0-Jel, and oil type drilling fluid with the following characteristics:

Weight	- 9.8 to 10.2#/gal
Viscosity	- 34 to 38 sec./1000 cc
Water Loss	- 15 cc or less
Oil Content	- 3.0 to 5.0% by volume

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Supplement to Form 9-331 C

7. The auxiliary equipment to be used, such as (1) Kelly cocks, (2) floats at the bit (3) monitoring equipment on the mud system, (4) a sub on the floor with a full opening valve to be stabbed into drill pipe when the Kelly is not in the string. Auxiliary equipment to be used is a pit level indicator.
8. The testing, logging, and coring programs to be followed, with provision made for required flexibility.
The well will be logged as follows:
 - Total Depth to 2500 Feet - Dual Laterolog w/GR
 - Total Depth to 2500 Feet - FDL w/GR & Caliper
 - Total Depth to 2500 Feet - CNL w/GR
 - Total Depth to 2500 Feet - Microlaterolog w/Caliper
9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfide gas; along with plans for mitigating such hazards.
None of the above is anticipated in this well.
10. The anticipated starting date and duration of the operations.
Anticipate starting date is October 1, 1977, with a duration of operations of approximately 30 to 45 days.

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