

Application to Drill
Samson Resources Co.
Red Tank Federal "21-C" Well #1

11. Proposed Circulation Medium:

Mud Program:	Depth	Mud Wt.	Visc.	F/L CC	Type of Mud
	0- 880	8.8 - 9.5	30 - 38	NC	Spud mud Fresh water
	880- 4600	10.0 - 11	30 - 35	NC	Brine water
	4600- 6800	10.0 - 10.5	30 - 35	NC	Cut brine with paper for seepage control
	6800- 8800	10.0 - 10.5	30 - 38	12-15	Cut brine with starch for water loss control

12. Testing, Logging, and Coring Programs: To log, core, DST and run casing may have to lower water loss to 8 - 10 cc. and raise viscosity to 38-40. This depends on hole conditions. (A) Open hole logs. Compensated Neutron, Gamma ray with caliper 8800'-0(B)Litho-density, Dual lateral log, MSFL 8800 - 4500'
13. Potential Hazards: No abnormal pressures or temperature zones expected (nothing abnormal in offset wells or other wells in the area). Hydrogen sulfide gas is not anticipated however, precautions for detection will be observed (See item 13-A -H2S Contingency Plan). No major lost circulation is expected (none reported in this area).
14. Anticipated Starting Date and Duration of Operation:
Commence November 1, 1993 - 4 weeks to complete
15. Other Facets of Operations: After running casing, cased hole gamma ray collar correlation logs will be run from total depth over possible pay intervals. The Delaware pay will be perforated and stimulated. The well will be swab tested and potentialized as an oil well.

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OFFICE