

**A. P. D. (cont.)
Thirteen Point Surface Use Plan
Federal "C" #1**

5. Mud Program:

<u>--DEPTH--</u>		<u>MUD TYPE</u>	<u>WEIGHT</u>		<u>WL</u>	<u>ADDITIVES</u>	<u>VISUAL</u>
<u>FROM</u>	<u>TO</u>		<u>(PPG)</u>	<u>VIS</u>			
7850'	10000'	Cut Brine	9.4	32-36	<20	Salt Gel, Starch, Caustic	Steel Pits
10000'	11000'	Freshwater	8.4	28-30	N/C	Gel	

Sufficient quantities of additives will be on location to maintain above mud properties for any anticipated well conditions.

6. Logging, Testing & Coring Programs:

<u>LOG/TEST/CORE/MUDLOG/OTHER</u>	<u>--INTERVAL--</u>		<u>REMARKS</u>
	<u>FROM</u>	<u>TO</u>	
DLL/MSFL/GR	TD	8000'	
LDT/CNL/GR/CAL	TD	8000'	
MUD LOGGER	NONE		
NO CORES OR DST'S			

7. Abnormal Pressures, Temperatures or Potential Hazards:

None anticipated. Possible H₂S in Cisco & Upper penn. See H₂S Drilling Operations Plan.

8. Other Information:

Anticipated Starting Date: As soon as possible.

Duration of Well: drilling - 18 days, completion - 10 days.