Each stage will be preceded by an appropriate mud flush. Actual production hole volumes will be based on the caliper volume plus 25% excess.

5.	<u>Mud Program</u>								
	DEPTH			WEIGHT		WL		VISUAL	
	FROM	<u>TO</u>	MUD TYPE	<u>(PPG)</u>	<u>VIS</u>	<u>CC</u>	<u>ADDITIVES</u>	MONTR.	
	0	1200'	fresh water	8.3	28	N/A	Gel, Lime	Reserve	
	1200'	5000'	fresh	8.5	28-32	N/C	Gel, caustic, H₂S Scavenger	Reserve	
	5000'	7000'	fresh	8.9	32-36	N/C	Gel, caustic, H ₂ S Scavenger	Reserve	
	7000'	8800'	cut brine	9.0	32-36	<20	Gel, caustic, H ₂ S Scavenger	Steel Pits	
	8800'	9600'	cut brine	9.0	32-36	<20	Gel ,caustic,	Steel Pits	

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

6. <u>Logging, Testing & Coring Programs</u>:

LOG/TEST/CORE/MUDLOG/OTHER	INTE FROM	· · · · · —	REMARKS
DLL/MSFL/GR/CNL/LDT/CAL	TD	5000'	
LDT/CNL/GR/CAL	TD	surf casing	•
MUD LOGGER	6000'	TD	ROP, Lithology, Gas Analysis, Chromatograph

NO CORES OR DST'S

7. <u>Abnormal Pressures, Temperatures or Potential Hazards:</u>

None anticipated. Possible H_2S in Cisco & Upper Penn. See H_2S Drilling Operations Plan.

8. Other Information:

Anticipated Starting Date: As soon as possible.

Duration of Well: drilling - 25 days, completion - 10 days.