

B. CEMENTING PROGRAM:

Surface Casing: 13 3/8" casing circulate cement 1200 sacks.

Intermediate Casing: 8 5/8" casing circulate cement 800 sacks.

Production Casing: 5 1/2" casing circulate cement 3000 sacks.

Note: Bring cement at least 600' above the top of the Wolfcamp approximately 8500'.

5. Mud Program and Auxiliary Equipment:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
Spud to 350'	FW	8.6-9.8	32-40	N/C
350'-4000'	10# Brine	10.0-10.3	28	N/C
4000'-TD	SW Gel/Starch	9.4-9.8	32-40	10cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: 4000' to TD (11,800').

Logging: Mud Logger (1-man); 4000'-TD * GR CNL/LTD from 4000'-TD.

Coring: None anticipated.

DST's: Two (2) Atoka Sand and Morrow Formations. * GR/CNL 4000'-surface,
* DLL/MSFL 4000' -TD.

7. Abnormal Conditions, Bottom hole pressure and potential hazards:

Anticipated BHP:

From: 0	TO 350'	Anticipated Max. BHP:	250	PSI
From: 350'	TO 4000'	Anticipated Max. BHP:	750	PSI
From: 4000'	TO TD'	Anticipated Max. BHP:	5000	PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None

Maximum Bottom Hole Temperature: 170° F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 20 days to drill the well with completion taking another 7-10 days.