Logan "ASO" Federal Com. #2 Page 2

B. CEMENTING PROGRAM:

Surface casing: 450 sx 35:65 Poz "C" (YLD 1.9 WT 12.66). Tail in with 200 sx "C". + 2% CaCL2 (YLD 1.32 WT 14.6).

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Production Casing: 600 sx Super "H" Modified (YLD 2.0 WT 12.0). TOC 5500'.

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

0-450	FW		
Interval	Type Brine Wei	ight <u>Viscosity</u>	Fluid Loss
0-1650'		- 8.8 32-34	N/C
1650'-8400'	Cut Brine 8.7 -	- 9.3 28	N/C
8400'-9600'	Salt Gel/Starch 9.5-	10 30-34	<10cc or less

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:	10' samples out from under surface casing.
Logging:	CNL/LDT, DLL w/RXO.
Coring:	
DST's:	As warranted.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE, AND POTENTIAL HAZARDS:

Anticipated BHP:		
From: 0	TO: 1650'	Anticipated Max. BHP: 700 PSI
From: 1650'	TO: 9600'	Anticipated Max. BHP: 1300 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None Anticipated

Maximum Bottom Hole Temperature: 155 F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 25 days to drill the well with completion taking another 20 days.