Application to Drill Government "AK" No. 1

March 6, 1980

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- 5. Rotary drilling equipment will be utilized to drill the well to TD 7110' and run casing. The equipment will then be rigged down and the well will be completed with a pulling unit.
- 6. Proposed total depth is 7110'.
- 7. Estimated tops of important geologic markers:

Glorieta Abo	1125 3040
Wolfcamp	4030
Cisco	5420
Strawn	5900
Atoka	6510
Morrow	6775
"B" Zone	6825
Chester	6900
Mississippian Lime	7060
TD	7110

8. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Α.	Primary objective (top) Ma	orrow "B" SS	6825
в.	Secondary objective (top)	Abo Cisco Strawn	3040 5420 5900

9. The proposed casing program is as follows:

Surface:	13-3/8" OD 48# H40 ST&C new casing
Intermediate:	8-5/8" OD 24# K55 ST&C new casing
Production;	5-1/2" OD 15.5 and 17# K55 and N80
ST&C and LT&C new casing	

- 10. Casing setting depth and cementing program:
 - A. 13-3/8" OD surface pipe set at 150'. Circulate Cement with 250 sacks Class "C" with 2% CaCl.
 - B. 8-5/8" OD intermediate casing set at 1800'. Circulate cement with 1000 sacks Halliburton Lite with 5# Gilsonite, 1/4# Flocele and 2% CaCl followed by 300 sacks Class "C" with 2% Ca Cl. If cement does not circulate, run temperature survey then finish cementing to the surface through 1" in the annulus using Class "C" with 2-4% CaCl in stages.