

SUPPLEMENTAL DRILLING DATA

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WELL NO.1 WALTERS FEDERAL

1. SURFACE FORMATION: Recent.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Queen	875
Grayburg	1230
San Andres	1528
Bone Springs Lm.	2590
Wolfcamp	7180
Cisco	7880

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Cisco Canyon Gas

4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
13-3/8"	0	300	48#	H-40	STC
8-5/8"	0	2200	24#	K-55	STC
4-1/2"	0	700'	11.6#	K-55	STC
"	700	6800'	10.5#	K-55	STC
"	6800'	8500'	11.6#	K-55	STC

Equivalent grades and weights of casing may be substituted at time casing is run, depending on availability.

13-3/8" casing will be cemented with approximately 300 sacks of Class "C" cement. Cement to circulate.

8-5/8" casing will be cemented with sufficient Light cement, tailed in with 200 sacks of Class "C", to circulate.

4-1/2" casing will be cemented with approximately 400 sacks of Class "H" cement.