

SUPPLEMENTAL DRILLING DATA

J. C. WILLIAMSON
WELL NO.1 MARY FEDERAL

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

Rustler	1150
Delaware	5184
Bone Springs	8796
Wolfcamp	10,494
Strawn	12,482
Atoka	12,797
Morrow	13,632

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	Above 700 feet
Gas	Morrow

4. PROPOSED CASING AND CEMENTING PROGRAM:

The 20", 10-3/4" and 7-5/8" casing strings were set and cemented when the well was originally drilled. It is proposed to re-enter this well and clean out to the 7-5/8" casing stub at 3773 feet. (The 7-5/8" casing was shot and pulled from this point when the well was plugged and abandoned.) The 7-5/8" casing will be tied back to the surface. The well will then be cleaned out to total depth and a 5-1/2" liner will be set at approximately 14,100 and cemented. Liner will be perforated in the Morrow interval and the perforated interval treated as necessary for possible gas production.

Proposed casing to be run is as follows:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
7-5/8"	0	3773	33.7#	N-80	LTC
5-1/2"	12,000	14,100	20#	N-80	LTC

7-5/8" casing will be cemented with 150 sacks of Class "H".

5-1/2" liner will be cemented with sufficient Class "H" to circulate.