

## SUPPLEMENTAL DRILLING DATA

### SUNDANCE OIL COMPANY

### WELL NO.1 COTTONWOOD SPRINGS FED COM

1. SURFACE FORMATION: Castile (Permian)

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Delaware	1700
Bone Springs	5200
Wolfcamp	8300
Strawn	10,200
Atoka	10,550
Morrow	11,200

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Water	Above 300'
Gas	Wolfcamp
Gas	Morrow

4. PROPOSED CASING AND CEMENTING PROGRAMS:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
10-3/4"	0	1700	40.5#	K-55	STC
7-5/8"	0	5600	26.4#	N-80	LTC
"	5600	8400	26.4#	S-95	LTC
"	8400	9000	29.7#	S-95	LTC
5" (Liner)	8700	12,000	15#	N-80	LTC

Equivalent grades and weights of casing may be substituted, depending on availability.

10-3/4" casing will be cemented with sufficient "Light" cement, tailed in with 200 sacks of Class "C", to circulate to surface.

7-5/8" casing will be cemented with approximately 300 sacks of "Light" cement and 300 sacks of Class "H".

5" liner will be cemented with sufficient Class "H" cement to