

SUPPLEMENTAL DRILLING DATA
MORRIS R. ANTWEIL

WELL NO. 1 INDIAN WELLS

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

Delaware	1700
Bone Springs	3700
Wolfcamp	7500
Cisco	8000
Strawn	8800
Atoka	9200
Morrow	10,000
3. ANTICIPATED POSSIBLE WATER and HYDROCARBON BEARING ZONES:

Fresh Water	Above 600 feet
Cisco (Gas)	8000
Morrow (Gas)	10,000
4. PROPOSED CASING and CEMENTING PROGRAM:

Casing program is shown on Form 9-331 C

Cement for surface casing will be 400 sacks Class "C" with 1/4#/sx. Flocele and 2% CaCl₂, plus 300 sacks Class "C" with 2% CaCl₂. Cement to circulate.

Cement for intermediate casing will be 200 sacks Thixset, plus 1000 sacks Halliburton Lite containing 10#/sx. gilsonite, 1/4#/sx. Flocele and 2% CaCl₂, plus 200 sacks Class "C" with 2% CaCl₂. Cement to circulate.

Cement for production casing will be 475 sacks Class "H" containing 0.6¢ Halad and 5#/sx. KCl unless additional amount is needed to cover possible productive zones.

Cement quantities and additives may be varied to suit well conditions.
5. PRESSURE CONTROL EQUIPMENT:

Blowout preventers will be series 900.

BOP sketch is attached.