

DRILLING PROGRAM
SANTA FE ENERGY OPERATING PARTNERS, L.P.
Kachina "9" Federal No.1

In conjunction with Form 3160-3, Application to Drill the subject well, Santa Fe Energy Operating Partners, L.P., submits the following ten items of pertinent information in accordance with Onshore Oil & Gas Order No. 10.

1. **Geologic Name of Surface Formation:** Alluvium

2. **Estimated Tops of Significant Geologic Markers:**

Rustler Anhydrite	1450'
Base of Salt	2890'
Yates	3090'
Seven Rivers	3350'
Queen	4170'
Penrose	4525'
Delaware	5570'
Bone Spring	6490'
1st Bone Spring Sand	8235'
1st Bone Spring Carbonate	8475'
2nd Carbonate	9325'
3rd Sand	9540'
Wolfcamp	9875'
Lower Wolfcamp	10,800'
Pennsylvanian Shale	11,400'
Total Depth	11,450'

3. **The estimated depths at which water, oil, or gas formations are expected:**

Water	None expected in area
Oil	Lower Wolfcamp Carbonate @ 11,000'
Oil	Lower Wolfcamp Carbonate @ 11,200'

4. **Proposed Casing Program:** See Form 3160-3 and Exhibit A.

5. **Pressure Control Equipment:** See Exhibit B.

6. **Drilling Fluid Program:** See Exhibit C.

7. **Auxiliary Equipment:** A mud logging unit will be utilized to monitor penetration rate and hydrocarbon shows while drilling below the Delaware at 5500'.