

**DRILLING PROGRAM**  
**SANTA FE ENERGY OPERATING PARTNERS, L.P.**  
Thistle Unit "28" 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	1300'
Base of Salt	4760'
Delaware Lime	5125'
Ramsey Sand	5175'
Brushy Canyon	8750'
Bone Spring	9050'
Total Depth	9200'

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

Water	None expected in area
Oil	Delaware @ 8700'-9000'

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 intermediate casing at 5100'.

8. **Testing, Logging and Coring Program:**

Drill Stem Tests: (all DST's to be justified on the basis of a valid show of oil or gas):

No Drill Stem Tests Planned.

Logging:

Dual Laterolog w/MSFL and Gamma Ray	5100'- 9200'
Compensated Neutron/Litho-Density/Gamma Ray	5100'- 9200'
Compensated Neutron/Gamma Ray (thru csg)	Surface-5100'

Coring:  $\pm$  25 Rotary Sidewall Cores taken at different intervals in Delaware.

**RECEIVED**

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