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Supersedes C-128 Effective 1-1-65 .

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APPLICATION FOR DRILLING

MOUNTAIN STATES PETROLEUM CORPORATION Santa Fe Federal No. 1 2080' FNL & 21080' FEL Sec. 35, T22S-R28E Eddy County, New Mexico Lease No.: NM-19842 (Wildcat well)

In conjunction with Form 9-331C, Application for Permit to Drill the subject well, Mountain States Petroleum Corporation submits the following items of pertinent information in accordance with BLM requirements:

- 1. The geologic surface formation is Permian with quarternary alluvium and other surficial deposits.
- 2. The estimated tops of geologic markers are as follows:

Top of Salt	4801
Base of Salt	1110'
Lamar Lime	2715'
Bell Canyon	2750'
Cherry Canyon	3750'

3. The estimated depth at which anticipated water, oil or gas formations are expected to be encountered:

Water:	Random water sands from surface to	5 250'
Gas:	None	
Oil:	Delaware Sands 2750' to TD	

- 4. Proposed casing program: See Form 9-331C.
- 5. Pressure Control Equipment: See Form 9-331C and Exhibit "E".
- 6. Mud Program: See Form 9-331C.
- 7. Auxiliary Equipment: Blowout preventer, gas detector, kelly cock.
- 8. Testing, logging and coring program:

Logging: Gamma Ray, Comp. Density/Neutron, Laterolog Drill stem testing: none anticipated Coring: Possible sidewall cores in Delaware Sand.



