



PETROLEUM DEVELOPMENT CORPORATION

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MULTI-POINT DRILLING PLAN

PETROLEUM DEVELOPMENT CORPORATION

LLANO-McKAY FEDERAL #1

660' FN & WL, Sec. 13, T19S, R31E

Eddy County, N. M.

Leases: NM23003 (Fed.) 280 acres

LG3180 (State) 40 acres

This supplemental plan is submitted with the Application to Drill the above-described well in compliance with NTL-6 of the United State Department of the Interior.

1. The surface is composed of a fine-grained sand, quaternary in age, and caliche.
2. Estimated top of primary geologic markers are:

Rustler	680	(+2878)
Salt	840	(+2718)
Tansill	2270	(+1288)
Yates	2510	(+1048)
Seven Rivers	2890	(+ 668)
Queen	3230	(+ 328)
Delaware	5360	(-1802)
Bone Spring	6960	(-3402)
Wolfcamp	10350	(-6792)
Strawn	11200	(-7642)
Atoka	11600	(-8042)
Morrow	11808	(-8250)

GL Elev.: 3540

Estimated KB Elev.: 3558

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

700'	Salt Water	Rustler Dolomite
12300'	Gas	Morrow Sand

4. Proposed casing program: See Form 9-331C.
5. Pressure control equipment: See schematic, Exhibit "D". Before drilling the new-hole section, the BOP and related control equipment shall be pressure-tested to rated working pressures by an independent service company. The district office shall be notified in time to witness the tests.