



PETROLEUM DEVELOPMENT CORPORATION

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MULTI-POINT DRILLING PLAN

PETROLEUM DEVELOPMENT CORPORATION

PEDCO GULF FEDERAL COM. #2

660' FEL & 1980' FNL, Sec. 33, T, T18S, R32E

Lea County, New Mexico

Leases: NM 24161: 160 acres

NM 0556094: 160 acres

Com. Agr. # SRM-1209

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

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

Rustler	1220	(+2496)
Salt	1490	(+2226)
Tansill	2620	(+1096)
Yates	2910	(+ 806)
Seven Rivers	3380	(+ 336)
Queen	3920	(- 204)
Grayburg	4400	(- 684)
Delaware	5380	(-1664)
Bone Spring	6920	(-3204)
Wolfcamp	10350	(-6634)
Strawn	11550	(-7834)
Atoka	11970	(-8254)
Morrow	12230	(-8515)

Estimated KB Elevation: 3716

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

1338'	salt water	Rustler Dolomite
4900'	oil	Cherry Canyon Sand
6920'	oil	Bone Spring Lime
10350'	oil	Wolfcamp Lime
12600'	gas	Morrow Sand

4. Proposed casing program: See Form 9-331C.