



## PETROLEUM DEVELOPMENT CORPORATION

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### MULTI-POINT DRILLING PLAN

Petroleum Development Corporation  
Sun-McKay Federal #1  
1730' FWL & 1850' FNL, Sec. 10, T19S, R32E  
Lea County, New Mexico  
Lease: NM 12413-A  
(640 acres)

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	1200	(+2476)
Salt	1450	(+2226)
Tansill	2600	(+1076)
Yates	2850	(+ 826)
Seven Rivers	3300	(+ 376)
Queen	3900	(- 224)
Grayburg	4300	(- 624)
Delaware	5670	(-1994)
Bone Spring	7200	(-3524)
Wolfcamp	10460	(-6784)
Strawn	11550	(-7874)
Atoka	11850	(-8174)
Morrow	12226	(-8550)

Estimated KB Elevation: 3676

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

1330'	salt water	Rustler Dolomite
4500'-4800'	oil	Cherry Canyon Sand
8330'	oil	Bone Spring Lime
9900'	oil	Bone Spring Lime
10460'	oil	Wolfcamp Lime
11660'	oil	Strawn Lime
12050'	gas	Atoka Sand
12575'	gas	Morrow Sand

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