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ENGINEERING OPERATIONS
9720-B CANDELARIA, NE
ALBUQUERQUE, NM 87112
TELEPHONE: (505) 293-4044

REPLY TO: ALBUQUERQUE

MULTI-POINT DRILLING PLAN

Petroleum Development Corporation
Gulf-McKay Federal #1
660' FSL & 1980' FWL, Sec. 34, T18S, R32E
Lea County, New Mexico
Leases: NM 18302
NM 0556094
NM 24161
NM 25458

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	(+2495)
Salt	1500	(+2215)
Tansill	2600	(+1115)
Yates	2900	(+ 815)
Seven Rivers	3300	(+ 415)
Queen	3930	(- 215)
Grayburg	4400	(- 685)
Delaware	5600	(-1885)
Bone Spring	7130	(-3415)
Wolfcamp	10430	(-6715)
Strawn	11570	(-7855)
Atoka	11950	(-8235)
Morrow	12270	(-8555)

Estimated KB Elevation: 3715

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

1350'	salt water	Rustler Dolomite
4900'	oil	Cherry Canyon Sand
7130'	oil	Bone Spring Lime
7670'	oil	Bone Spring Lime
8250'	oil	Bone Spring Lime