

MARATHON OIL COMPANY

**MARATHON FEDERAL #1
ADDITIONAL INFORMATION
Comply with Order 1**

In conjunction with Form 9-331C, Application to drill subject well, Marathon Oil Company submits the following items of information in accordance with BLM requirements:

1. Geological Name of Surface Formation

Quaternary Alluvium

2. Estimated Tops of Important Geological Markers

Rustler	320'	Wolfcamp	6600'
Top Salt	355'	Pennsylvanian	7400'
Yates	760'	Strawn	7690'
Queen	1490'	Chester	8950'
San Andres	2090'	Mississippian	9050'
Glorietta	3480'	Woodford	9575'
Tubb	4905'	Devonian	9630'
ABO	5690'		

3. Estimated Depths of Anticipated Water, Oil or Gas Bearing Formations

Yates (water & oil)	760'	Wolfcamp (gas & oil)	6600'
Queen (water & oil)	1490'	Pennsylvanian(gas & oil)	7400'
San Andres (water & oil)	2090'	Strawn (gas & oil)	7690'
Glorietta (water & oil)	3480'	Chester (oil & gas)	8950'
Tubb (water & oil)	4905'	Mississippian(gas & oil)	9050'
ABO (water & oil)	5690'	Woodford (gas & oil)	9575'
		Devonian (gas & oil)	9630'

4. Casing and Cementing Program

20" Conductor:	Cement to surface with redi-mix
13-3/8" Surface to 300;	Cement to surface with 320 sx Class "C" w/2% CACL ₂ ¼ pps celloflake.
8-5/8" Intermediate to 2300'	Cement to surface. Lead slurry. 800 sx Class "C" w/4% gel, 12% salt, 2% CACL ₂ , ¼ pps celloflake. Tail in with 325 sx Class "C" w/2% CACL ₂ .
5½" Production to 10,000'	Cement to ±2000' w/840 sx Class "H" + 1.4 pps KCl.