

MARATHON OIL COMPANY

LEA LAKE 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

San Andres	684'	Fusselman	5934'
Glorieta	1934'	Montoya	6014'
Tubb	3304'	Ellenburger	6264'
Abo	4094'	Basement	6564'
Wolfcamp	4934'		
Cisco	5594'		
Canyon	5744'		

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

San Andres (water & oil)	684'	Canyon (water & oil)	5744'
Glorieta (water & oil)	1934'	Fusselman (oil & gas)	5934'
Tubb (water & oil)	3304'	Montoya (oil & gas)	6014'
Abo (water & oil)	4094'	Ellenburger (oil & gas)	6264'
Wolfcamp (water & oil)	4934'		
Cisco (water & oil)	5594'		

4. Casing and Cementing Program

13-3/8" Conductor to 40':	Cement to surface with Redimix
8-5/8" Surface to 1100':	Cement to surface with 900 sx Class 'C' with 2% CaCl ₂
5-1/2" Production to 6800':	Cement to surface with 1600 sx Class "C" stage tool at 4,000'.

5. Pressure Control Equipment (Exhibit E)

13-3/8" Surface:	13-5/8" 3000 psi working pressure annular preventer tested to 2000 psi
8-5/8" Intermediate:	11" 3000 psi working pressure annular preventer tested to 2000 psi
	11" 3000 psi working pressure pipe rams and blind rams tested to 3000 psi Choke manifold tested to 3000 psi

