

DRILLING PROGRAM
MARATHON OIL COMPANY
AGI # 1

1. Estimated KB Elevation: 3850' KB

<u>FORMATION</u>	<u>-----TOP-----</u>		<u>-----BASE-----</u>		<u>FLUID CONTENT</u>
	<u>MEASURED</u>	<u>SUBSEA</u>	<u>MEASURED</u>	<u>SUBSEA</u>	
Queen	Surface	+3850'	650'	+3200'	water
San Andres	650'	+3200'	2250'	+1600'	water
Glorietta	2250'	+1600'	2355'	+1495'	
Delaware	3300'	+550'	4300'	- 450'	
Bone Spring	4300'	-450'	5950'	-2100'	oil gas
Wolfcamp	5950'	-2100'	7520'	-3670'	oil gas
B/Permian Shale	7520'	-3670'	7530'	-3680'	
U. Penn	7530'	-3680'	7542'	-3962'	gas, oil, water
Canyon	7542'	-3692'	8085'	-4235'	
Strawn	8085'	-4235'	8648'	-4739'	" "
Atoka	8648'	-4798'	8945'	-5095'	" "
Moriole	8945'	-5095'	9580'	-5730'	" "
Barnett	9580'	-5730'	9663'	-5813'	" "
Mississippian	9663'	-5813'	10092'	-6242'	" "
Devonian	10092'	-6242'	11000'	-7150'	" "

<u>FORMATION</u>	<u>--EST PSIG</u>	<u>SBHP--- PPG EMW</u>	<u>EST SBHT DEG f</u>	<u>H2S PPM</u>	<u>---SIGNIFICANCE--- (obj, marker, etc.)</u>
Bone Springs	1210	8.5		500	marker
Wolfcamp	1680	8.5			marker
B/Permian Shale	1810	8.5			marker
U. Penn	2050	8.5		5000	marker
Devonian	4500	8.5		5000	Injection

2. See (1) above.
If any unexpected water or mineral bearing zones are encountered, they will be reported, evaluated, and protected as circumstances and regulations require.

3. **Pressure Control Equipment:**

4. 13-3/8" Surface: 13-5/8" 3M annular tested to 300 psi /3000 psi, 13-5/8" 3M dual rams, choke manifold and mud cross, tested to 300#/3000#.

Auxiliary Equipment:

Surface Hole: Annular or rotating head w/air rig.

Intermediate Hole: N/A

Production Hole: Flow indicator, PVT, H₂S Sensors, air packs, stroke counter, rotating head.

BOP systems will be consistent with API RP 53. Blowout preventers will be installed and pressure tested prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Casing will be pressure tested before drilling casing cement plugs.