

**DRILLING PROGRAM
MARATHON OIL COMPANY**

North Indian Basin Unit No. 21

1. **Estimated KB Elevation: 3749"**

<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	+3749'	650'	+3099'	water
San Andres	650'	3099'	2250'	1499'	water
Glorietta	2250'	1899'	2355'	449'	
Delaware	3300'	449'	4300'	-551'	
Bone Spring	4300'	-551'	5950'	-2201'	oil gas
Wolfcamp	5950'	-2201'	7520'	-3771'	oil gas
B/Permian Shell	7520'	-3771'	7530'	-3781'	
U. Penn	7530'	-3781'	7550'	-3801'	gas, oil, water
Penn Dolomite	7550'	-3801'	8150'	-4401'	gas, oil, water
Strawn	8150'	-4401'	8800'	-5051'	
Atoka	8800'	-5051'	9050'	-5301'	
Morrow	9050'	-5301'	9500'	-5751'	

<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	9.0			marker
B/Permian Shale	1810	9.0			marker
U. Penn	2050	9.0		5000	objective pay
Penn Dolomite	2164	9.0		5000	objective
Morrow	3460	9.2			Objective

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:**

9 5/8" Surface: 11" 3M annular tested to 200#/2000#, 11" 3M dual rams, choke manifold and mud cross, tested to 300#/3000#.

Auxiliary Equipment:

Surface Hole: N/A

Intermediate Hole: None

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 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. Preventers and casing will be pressure tested before drilling casing cement plugs.