

**DRILLING PROGRAM
MARATHON OIL COMPANY
INDIAN HILLS UNIT #30**

1. Estimated KB Elevation: 3819' 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	+3819'	719'	+ 3100'	Water water
San Andres	719'	+3100'	2394'	+ 1425'	
Glorietta	2394'	+1425'	2544'	+ 1275'	
Yeso	2546'	+ 1275'	4644'	- 825'	Oil & Gas
Bone Spring	4644'	- 825'	6469'	-2650'	
Bone Spring Sand	6469'	- 2650'	6579'	-2760'	
Wolfcamp	6579'	-2760'	7499'	-3680'	
U. Penn	7499'	- 3680'	8219'	-4400'	gas, oil, water
Strawn	8219'	- 4400'	8899'	-5080'	
Atoka	8209'	-5080'	9209'	-5390'	gas,oil, water
Morrow Lime	9209'	-5390'	9679'	-5860'	
Barnett Shale	9679'	-5860'	9919'	- 6100'	
T.D.	9919	-6100'	10,500'	-6681'	

<u>FORMATION</u>	<u>---EST PSIG</u>	<u>SBHP--- PPG EMW</u>	<u>EST DEG f</u>	<u>SBHT</u>	<u>H2S PPM</u>	<u>---SIGNIFICANCE--- (obj, marker, etc.)</u>
Bone Springs	1210	8.5			500	marker
Wolfcamp	1680	9.0			5000	marker
B/Permian Shale	1810	9.0				marker
U. Penn	2050	9.0			500	objective pay
Morrow	3460	9.2			0	objective pay

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#/3000#, 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 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