

# DRILLING PLAN

Attachment to BLM Form 3160-3  
BP America Production Company  
Well: Sweet Thing Federal #5  
Lot 3  
660 FNL, 1800 FWL  
Section 31, T20 ½ S-R22E  
Eddy County, New Mexico

## 1. Surface Geological Formation

Quaternary Formation

## 2. Estimated Tops of Geological Markers

<u>Formation</u>	<u>TVD</u>
Glorieta	1500
Tubb Sand	2940
Abo Dolomite	3525
Cisco	5900
Canyon	6520
Strawn	7115
Atoka	7425
Lower Morrow	7690
Mississippian	8550

## 3. Estimated Tops of Possible Water, Oil, Gas or Mineral:

Sands above 300'	Water
Cisco and Morrow	Oil or Gas

## 4. Pressure Control Equipment

<u>Interval, TVD</u>	<u>Pressure Control Equipment</u>
0' – 1400'	Rotating Head
1400' – TD	11", 3M psi double ram preventer and 3M psi annular preventer

Exhibits 1, 2 and 3 show the BOP stack arrangement, the choke manifold arrangements and the BOP specifications, respectively. The BOPE will be hydraulically tested per BLM requirements outlined by Onshore Oil and Gas Order No. 2. Pipe rams and blind rams will be functioned on each trip out of the hole. All BOPE checks and tests will be witnessed by BP's representative and will be noted on the IADC daily drilling report. Accessories to BOPE will include an upper kelly cock, lower kelly cock, and floor safety valve; all with pressure rating equivalent to the BOP stack.

## 5. Proposed Casing and Cementing Program

	<u>Hole Size</u>	<u>Interval M.D.</u>	<u>Casing Size</u>	<u>Weight &amp; Grade</u>
Surface	12-1/4"	0'-1400'	8-5/8"	24.0# J-55
Production	7-7/8"	0'-8600'	5-1/2"	17.0# J-55