

GENERAL DRILLING PROGRAM- Attachment to Form C-101

Southwestern Energy Production Company- Bimini "13" #1
2310' FNL 990' FWL Section 13-T17S-R35E
Lea County, New Mexico

Elevation: 3921' GR

Proposed Total Depth: 9100'

Estimated Formation Tops

Base of Salt	2042'
Seven Rivers	3472'
Queen	4064'
Tubb	7720'
Abo	8450'

Casing/Cement Program

<u>Hole Size</u>	<u>Casing Size/Weight/Grade</u>	<u>Setting Depth</u>	<u>Cement</u>	<u>Est. TOC</u>
	20" Conductor pipe	40'	ready mix	surface
17-1/2"	13-3/8" 61# J-55 ST&C	400'	355 sx 15:85 Poz: Class C + 0.25 pps D29+2% S1+2% D20	surface
12-1/4"	8-5/8" 32# J-55 ST&C	3400'	Lead:915 sx 35:65 Poz: Class C + 6% D20+ 0.25 pps D29+5% D44 Tail: 200 sx Class C+ 2% S1	surface
7-7/8"	5-1/2" 17# N-80 LT&C	9100'	400 sx 50:50 Poz: Class H + 5% D44 +2% D20+0.4% D59+ 0.2% D65	7100'

Drilling Fluids Program

<u>Depth</u>	<u>Mud Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Comments</u>
0-400'	8.6-9.0	32-35	NC	spud mud, paper
400'-3400'	9.0-10.3	32-34	NC	fresh/brine water, native oil, caustic, paper, lime
3400'-8400'	8.3-8.4	28-29	NC	fresh/cut brine, paper, lime
8400'-9100'	8.6-9.0	34-40	12-15 cc	soda ash, fresh gel, caustic, drispac

Blowout Prevention Program- Attachment to Form C-101

0'-400'	None
400'-3400'	20" 2000# annular preventer system.