

## GENERAL DRILLING PROGRAM- Attachment to Form C-101

Southwestern Energy Production Company- Strawnman "16" State #1  
800' FSL 1930' FWL Section 16-T20S-R37E  
Lea County, New Mexico

Elevation: 3525' GR

Proposed Total Depth: 7850'

### Estimated Formation Tops

Rustler	1125'
Salt	1230'
Yates	2520'
San Andres	3840'
Tubb	6280'
Drinkard	6450'
Abo	6890'
Strawn	7710'

### 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
12-1/4"	8-5/8" 32# J-55 ST&C	1200'	Lead:275 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" 15.5# J-55 LT&C	7850'	400 sx 50:50 Poz: Class H + 5% D44 +2% D20+0.4% D59+ 0.2% D65	5850'

### Drilling Fluids Program

<u>Depth</u>	<u>Mud Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Comments</u>
0-1200'	8.6-9.2	32-35	NC	spud mud, paper
1200'-6900'	10.0-10.1	28-29	NC	fresh/brine water, lime, paper
6900'-7850'	10.0-10.2	30-32	10-12 cc	starch, prehydrated fresh gel caustic, oil, salt gel if required

## Blowout Prevention Program- Attachment to Form C-101

0'-1200'	20" 2000# annular preventer system.
1200'-7850'	13-5/8" 5000# double ram type preventers, 5000# annular preventer and rotating head body. Test all rams choke manifold, kill line upper and lower kelly valves to 5000 psi. A