

GENERAL DRILLING PROGRAM- Attachment to Form C-101

Southwestern Energy Production Company- Corner Pocket "14" State Com. #1
660' FNL 660' FEL Section 14-T21S-R34E
Lea County, New Mexico

Elevation: 3669' GR

Proposed Total Depth: 13,100'

Estimated Formation Tops

Rustler	1732'
Salt	1812'
Yates	3660'
Delaware	5470'
Bone Spring	8040'
3 rd Bone Spring	10,380'
Wolfcamp	10,540'
Atoka Bank	11,890'
Morrow	12,252'
Morrow Clastics	12,400'

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	1350'	Lead: 850 sx 35:65 Poz: Class C + 6% D20+ 0.25 pps D29 Tail: 235 sx Class C+ 2% S1 +0.25 pps D29	surface
12-1/4"	9-5/8" 40# N-80/K-55 LT&C	5600'	Lead: 925 sx 35:65 Poz: Class C + 6% D20+0.25 pps D29 Tail: 200 sx Class C Neat	1200'
8-1/2"	7" 26# HCP-110 LT&C	11,800'	860 sx 50:50 Poz: Class H + 6% D44 +2% D20+0.4% D59	4800'
6-1/8"	4-1/2" 13.5# HCP-110 LT&C liner 11,500'-13,100'	13,100'	150 sx Class H+1 gps D600+0.03 gps M45+0.1 gps D801+0.05 gps D604AM	11,300'

Drilling Fluids Program

<u>Depth</u>	<u>Mud Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Comments</u>
0-1350'	8.4-8.8	32-34	NC	fresh gel, caustic, paper
1350'-5600'	9.9-10.0	28-30	NC	cut brine water, lime, paper Star NP-110
5600'-11,800'	9.0-9.5	28-32	NC	fresh/cut brine, caustic, paper Star NP-110
11,800'-13,100'	10.0-12.0	38-45	<10 cc	xanthan gum, white starch, caustic, barite if needed