

Well name:	Cochiti 32 "C" State #1
Operator:	Devon Energy Production Company, L.P.
String type:	Liner: Production
Location:	Section 32, T23S, R29E

Design parameters:

Collapse

Mud weight: 6.210 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 90 °F
 Bottom hole temperature: 189 °F
 Temperature gradient: 0.80 °F/100ft
 Minimum section length: 600 ft
 Minimum Drift: 3.795 in

Burst

Max anticipated surface pressure: 4,000 psi
 Internal gradient: 0.000 psi/ft
 Calculated BHP: 4,000 psi
 Annular backup: 9.60 ppg

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Liner top: 10,250 ft
 Non-directional string.

Packer fluid details:
 Fluid density: 8.500 ppg
 Packer depth: 12,000 ft

Tension is based on air weight.
 Neutral point: 12,196 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2200	4.5	11.60	S-95	LT&C	12400	12400	3.875	10396
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4000	8650	2.16	3417	9240	2.70	25.5	245	9.60 J

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Remarks:
 For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 12400 ft, a mud weight of 6.21 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.