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

Design parameters:

Collapse
Mud weight:	8.500 ppg
Design is based on evacuated pipe.	

Surface pressure:	202 psi

Burst
Max anticipated surface pressure:	343 psi
Internal gradient:	0.000 psi/ft
Calculated BHP	343 psi
Annular backup:	8.50 ppg

Minimum design factors:

Collapse:
Design factor	1.125

Burst:
Design factor	1.00

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)

Tension is based on air weight.
Neutral point:	525 ft

Environment:
H2S considered?	No
Surface temperature:	90 °F
Bottom hole temperature:	95 °F
Temperature gradient:	0.80 °F/100ft
Minimum section length:	600 ft

Non-directional string.

Re subsequent strings:
Next setting depth:	2,700 ft
Next mud weight:	10.000 ppg
Next setting BHP:	1,403 psi
Fracture mud wt:	11.000 ppg
Fracture depth:	600 ft
Injection pressure	343 psi

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	600	13.375	48.00	H-40	ST&C	600	600	12.59	7440

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	467	740	1.58	343	1730	5.05	28.8	322	11.18 J

Prepared by:	W.M. Frank Devon Energy	Phone: (405) 552-4595 FAX: (405) 552-4621	Date: July 17,2001 Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 600 ft, a mud weight of 8.5 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.