Well name:	**Will 7 "A" Fee #1**
Operator:	**Devon Energy Production Company, L.P.**
String type:	Surface
Location:	Sec. 7, T23S, R28E, Eddy Co. NM

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface
  pressure: 229 psi
Internal gradient: 0.000 psi/ft
Calculated BHP   229 psi

Annular backup: 8.40 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: 351 ft

Environment:
H2S considered?   No
Surface temperature: 75 °F
Bottom hole temperature: 78 °F
Temperature gradient: 0.80 °F/100ft
Minimum section length: 400 ft
Minimum Drift: 2.250 in

Non-directional string.

Re subsequent strings:
Next setting depth: 2,500 ft
Next mud weight: 8.400 ppg
Next setting BHP: 1,091 psi
Fracture mud wt: 11.000 ppg
Fracture depth: 400 ft
Injection pressure   229 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	400	13.375	48.00	H-40	ST&C	400	400	12.59	4958

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	174	740	4.24	229	1730	7.57	19.2	322	16.78 J

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Date: October 8, 2001
Oklahoma City, Oklahoma

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.4 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.