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

Design parameters:

Collapse

Mud weight: 8.100 ppg
Design is based on evacuated pipe.

Surface pressure: 750 psi

Burst

Max anticipated surface pressure: 3,997 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 3,997 psi

Annular backup: 9.60 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: 8,339 ft

Estimated cost: 122,767 ($)

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 151 °F
Temperature gradient: 0.80 °F/100ft
Minimum section length: 400 ft

Non-directional string.

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 ($)
3	2000	7	26.00	L-80	LT&C	2000	2000	6.151	38438
2	4500	7	26.00	J-55	LT&C	6500	6500	6.151	26671
1	3000	7	26.00	L-80	LT&C	9500	9500	6.151	57658

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
3	1592	4686	2.94	3997	7240	1.81	247	511	2.07 J
2	3485	4037	1.16	3000	4980	1.66	195	367	1.88 J
1	4747	5410	1.14	756	7240	9.58	78	511	6.55 J

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Remarks:
Collapse is based on a vertical depth of 9500 ft, a mud weight of 8.1 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.