Well name:	**Campana 2 "M" State #1**
Operator:	**Devon Energy Production Company, L.P.**
String type:	Intermediate
Location:	Section 2, T24S, R26E, Eddy County, NM

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,143 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 3,143 psi

Annular backup: 8.80 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: 4,765 ft

Estimated cost: 45,372 ($)

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 119 °F
Temperature gradient: 0.80 °F/100ft
Minimum section length: 450 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 12,000 ft
Next mud weight: 9.600 ppg
Next setting BHP: 5,984 psi
Fracture mud wt: 11.000 ppg
Fracture depth: 5,500 ft
Injection pressure 3,143 psi

Run Seq	Segment Length (ft)	Size (in)	Norninal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
2	4700	8.625	32.00	J-55	LT&C	4700	4700	7.875	37875
1	800	8.625	32.00	HCK-55	LT&C	5500	5500	7.875	7497

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
2	2197	2493	1.13	3143	3930	1.25	176	417	2.37 J
1	2571	4130	1.61	994	3930	3.95	25.6	503.2	19.66 B

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Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 5500 ft, a mud weight of 9 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.