Well name:	**Revelation 10 "M" Federal #1**
Operator:	**Deveon Energy Production Co. L.P.**
String type:	Intermediate
Location:	Sec. 10, T22S, R25E, Eddy CO., NM

Design parameters:

Collapse
Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,314 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 1,314 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: 1,999 ft

Environment:
H2S considered? No
Surface temperature: 80 °F
Bottom hole temperature: 98 °F
Temperature gradient: 0.80 °F/100ft
Minimum section length: 375 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 11,000 ft
Next mud weight: 9.600 ppg
Next setting BHP: 5,486 psi
Fracture mud wt: 11.000 ppg
Fracture depth: 2,300 ft
Injection pressure 1,314 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	2300	8.625	32.00	HCK-55	LT&C	2300	2300	7.875	21556

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	1051	4130	3.93	1314	3930	2.99	73.6	503.2	6.84 B

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Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 2300 ft, a mud weight of 8.8 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.