Revelation 10 "M" Federal #1 Well name: Deveon Energy Production Co. L.P. Operator:

Surface String type:

Sec. 10, T22S, R25E, Eddy CO., NM Location:

Minimum design factors: **Environment:** Design parameters: H2S considered? Collapse: No Collapse 80 °F Mud weight: 8.600 ppg Design factor 1.125 Surface temperature: Bottom hole temperature: 83 °F Design is based on evacuated pipe. 0.80 °F/100ft Temperature gradient: Minimum section length: 375 ft **Burst:** Design factor 1.00

**Burst** 

Max anticipated surface 214 psi pressure:

Internal gradient: 0.000 psi/ft Calculated BHP 214 psi

Annular backup:

8.60 ppg

Tension: 8 Round STC:

1.80 (J) 1.80 (J) 8 Round LTC: Buttress: 1.60 (J) 1.50 (J) Premium: Body yield: 1.60 (B)

Tension is based on air weight. Neutral point: 328 ft Non-directional string.

Re subsequent strings: Next setting depth: 2,200 ft Next mud weight: 8.600 ppg

Next setting BHP: Fracture mud wt: Fracture depth: Injection pressure

983 psi 11.000 ppg 375 ft 214 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	375	13.375	48.00	H-40	ST&C	375	375	12.59	4651
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	168	740	4.42	214	1730	8.07	18	322	17.89 J

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Remarks:

Collapse is based on a vertical depth of 375 ft, a mud weight of 8.6 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.