Well name:		Reeves West #1
Operator:	Devon Energy Production Company L.P.	
String type:	Surface	
Location:	Lea County, NM	

Design parameters:

Collapse
Mud weight:	13.800 ppg
Design is based on evacuated pipe.	

Burst
Max anticipated surface pressure:	0 psi
Internal gradient:	0.717 psi/ft
Calculated BHP	358 psi

No backup mud specified.

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:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 399 ft

Environment:
H2S considered?	No
Surface temperature:	85 °F
Bottom hole temperature:	89 °F
Temperature gradient:	0.80 °F/100ft
Minimum section length:	450 ft
Minimum Drift:	2.559 in

Non-directional string.

Re subsequent strings:
Next setting depth:	3,774 ft
Next mud weight:	10.500 ppg
Next setting BHP:	2,058 psi
Fracture mud wt:	13.800 ppg
Fracture depth:	501 ft
Injection pressure	359 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)	Internal Capacity (ft³)
1	500	13.375	48.00	H-40	ST&C	500	500	12.59	47

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	358	740	2.06	358	1730	4.83	19	322	16.81 J

Remarks:

Collapse is based on a vertical depth of 500 ft, a mud weight of 13.8 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.

Engineering responsibility for use of this design will be that of the purchaser.