

Turner "B" #127

Well name: **Turner "B" #127**
 Operator: **Devon Energy Corporation(Nevada)**
 String type: **Surface**
 Location: **Grayburg-Jackson Field**

Design parameters:**Collapse**

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

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 81 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 450 ft

Burst

Max anticipated surface pressure: 1,678 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP 1,732 psi

No backup mud specified.

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: 389 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 4,200 ft
 Next mud weight: 10.000 ppg
 Next setting BHP: 2,182 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 4,200 ft
 Injection pressure 4,200 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	450	8.625	24.00	J-55	ST&C	450	450	7.972	21.7
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	210	1370	6.51	1732	2950	1.70	9	244	26.12 J

Prepared by: C.H. Carleton
 by: Devon Energy

Phone: (405) 552-4528

Date: February 16, 2000
 Oklahoma City, Oklahoma

Remarks:

Collapse is based on a vertical depth of 450 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.

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