Well name: **Rifleman 6 "H" Federal #2**
Operator: **Devon - SFS Operating, Inc.**
String type: Production

Location: Section 6, T22S, R26E, Eddy County, NM

Design parameters:

Collapse
Mud weight: 5.800 ppg
Design is based on evacuated pipe.

Surface pressure: 1,500 psi

Burst
Max anticipated surface pressure: 3,013 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 3,013 psi

Annular backup: 8.50 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: 9,125 ft

Estimated cost: 132,376 ($)

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 155 °F
Temperature gradient: 0.80 °F/100ft
Minimum section length: 500 ft

Non-directional string.

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 ($)
3	2200	7	26.00	L-80	LT&C	2200	2200	6.151	42282
2	4500	7	26.00	J-55	LT&C	6700	6700	6.151	26671
1	3300	7	26.00	L-80	LT&C	10000	10000	6.151	63423

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
3	2163	4645	2.15	3013	7240	2.40	260	511	1.97 J
2	3519	4001	1.14	2042	4980	2.44	202.8	367	1.81 J
1	4513	5410	1.20	55	7240	132.73	85.8	511	5.96 J

Prepared by: W.M. Frank
Devon Energy
Phone: (405) 552-4595
FAX: (405) 552-4621
Date: March 15,2002
Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 10000 ft, a mud weight of 5.8 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.