Well name:	**West Red Lake Area**
Operator:	**Devon Energy Corporation**
String type:	Production
Location:	Eddy County, NM

Design parameters:

Collapse

Mud weight: 9.630 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,001 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 2,001 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: 3,417 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	95 °F
Temperature gradient:	0.50 °F/100ft
Minimum section length:	1,500 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)	Internal Capacity (ft³)
1	4000	5.5	15.50	J-55	LT&C	4000	4000	4.825	125.4

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	2001	4040	2.02	2001	4810	2.40	53	217	4.10 J

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Date: March 12,2001
Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 4000 ft, a mud weight of 9.63 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.