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.

Minimum design factors: Collapse:

Design factor

1.125

Environment:

H2S considered? No Surface temperature: 75 °F . 95 °F Bottom hole temperature:

Temperature gradient: 0.50 °F/100ft

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

1.60 (J)

Minimum section length: 1,500 ft

Burst

Max anticipated surface

No backup mud specified.

pressure:

2,001 psi 0.000 psi/ft

Internal gradient: Calculated BHP

2,001 psi

Buttress:

Premium: Body yield:

Tension:

8 Round STC:

8 Round LTC:

1.50 (J) 1.50 (B)

Tension is based on buoyed weight. Neutral point: 3,417 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

Prepared

Jim Linville

Devon Energy

Phone: (405) 228-4621

FAX: (405) 552-4621

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 & Kernler method of blaxial correction for tension.

Burst strength is not adjusted for tension.

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

BURNELL OFFICE ROSWELL OFFICE

2001 MAR 15 AM 9: 28

BECEINED