"HIBIT #

Well name:

West Red Lake Area

Operator:

**Devon Energy Corporation** 

String type:

Surface

Location:

Eddy County, NM

Design parameters:

Collapse

**Burst** 

Mud weight:

Max anticipated surface

pressure:

Internal gradient:

Calculated BHP

9.630 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor

1.125

**Environment:** H2S considered?

No 75 °F Surface temperature: 77 °F Bottom hole temperature:

0.20 °F/100ft Temperature gradient: Minimum section length: 1,150 ft

**Burst:** 

Design factor

1.00

1.80 (J)

1.80 (J)

0.000 psi/ft

717 psi

717 psi

No backup mud specified.

**Tension:** 8 Round STC:

8 Round LTC:

Premium:

Body yield:

**Buttress:** 1.60 (J)

1.50 (J) 1.50 (B)

Tension is based on buoyed weight. Neutral point: 984 ft

Re subsequent strings:

Non-directional string.

Next setting depth: Next mud weight:

4,000 ft 9.630 ppg Next setting BHP: 2,001 psi Fracture mud wt: 12.000 ppg

Fracture depth: Injection pressure 1,150 ft 717 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	1150	8.625	24.00	J-55	ST&C	1150	1150	7.972	55.4
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	575	1370	2.38	717	2950	4.12	24	244	10.33 J

Prepared

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Remarks:

Collapse is based on a vertical depth of 1150 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.