EXHIBIT #

Well name:

West Red Lake Area

Operator:

**Devon Energy Corporation** 

String type:

Surface

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?

Surface temperature: 75 °F Bottom hole temperature: 77 °F

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

**Burst:** 

Design factor

1.00

**Burst** 

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

717 psi 0.000 psi/ft

Calculated BHP

717 psi

Premium:

Body yield:

Tension is based on buoyed weight. Neutral point:

**Tension:** 8 Round STC:

1.80 (J) 1.80 (J) 8 Round LTC: **Buttress:** 1.60 (J) 1.50 (J)

1.50 (B)

984 ft

Re subsequent strings: Next setting depth: Next mud weight:

Non-directional string.

Next setting BHP: Fracture mud wt: Fracture depth:

Injection pressure

2,001 psi 12.000 ppg 1,150 ft 717 psi

9.630 ppg

4,000 ft

No

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	1150	8.625	24.00	J-55	ST&C	1150	1150	7.972	55.4
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (Kips)	Strength (Kips)	Design Factor
1	575	1370	2.38	717	`2950	4.12	24	244	10.33 J

Prepared

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Date: March 12,2001 Oklahoma City, Oklahoma

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 & Kernler 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.

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