Well name:

WereWolf Hill 4 D Fed. #1

Operator:

**Devon Energy Production Company L.P.** 

String type:

Production

Location:

860' FNL & 660' FWL, Sec. 4, T22S, R26E

Design parameters: Collapse	Minimum desigr Collapse:	factors:	Environment: H2S considered?	No	
Mud weight: Design is based on evaco	6.800 ppg uated pipe.	Design factor	1.125	Surface temperature: Bottom hole temperature: Temperature gradient: Minimum section length:	80 °F 171 °F 0.80 °F/100ft 550 ft
		Burst:		william section length.	550 K
Surface pressure:	2,000 psi	Design factor	1.00		
Burst					
Max anticipated surface					
pressure:	4,027 psi				
Internal gradient:	0.000 psi/ft	Tension:		Non-directional string.	
Calculated BHP	4,027 psi	8 Round STC:	1.80 (J)		
		8 Round LTC:	1.80 (J)		
Annular backup:	9.60 ppg	Buttress:	1.60 (J)		
		Premium:	1.50 (J)		
		Body yield:	1.60 (B)		
		Tension is based on air weight.			
Packer fluid details:		Neutral point:	10,363 ft		
Fluid density:	8.500 ppg				
Packer depth:	10,800 ft				
•		Estimated cost:	75,035 (\$)		

	Segment Length	Size	Nominal Weight	Grade	End Finish	True Vert Depth	Measured Depth	Drift Diameter	Est. Cost
	(ft)	(in)	(ibs/ft)	Orace	1 1111311	(ft)	(ft)	(in)	(\$)
3	700	5.5	20.00	L-80	LT&C	700	700	4.653	5221
2	8900	5.5	17.00	L-80	LT&C	9600	9600	4.767	56390
1	1800	5.5	20.00	L-80	LT&C	11400	11400	4.653	13424
Run Seq	Collapse Load	Collapse Strength	Collapse Design	Burst Load	Burst Strength	Burst Design	Tension Load	Tension Strength	Tension Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
3	2247	7216	3.21	4027	9190	2.28	201.3	416	2.07 J
2	5391	6119	1.14	3987	7740	1.94	187.3	338	1.80 J
1	6027	8830	1.47	3478	9190	2.64	36	416	11.56 J

Prepared

W.M. Frank

by: Devon Energy

Phone: (405) 552-4595 FAX: (405) 552-4621 Date: May 10,2001 Oklahoma City, Oklahoma

Remarks:

Collapse is based on a vertical depth of 11400 ft, a mud weight of 6.8 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.