Well na	ime:			Shugart 2	25 Federa	I Com #1				
Operate String t	_	Devon SFS Operating, Inc.								
Locatio	n: Edd	ly County	, NM							
Design parameters:				Minimum design factors:			Environment:			
Collapse Mud weight: 7.400 ppg Design is based on evacuated pipe.				Collapse: Design factor 1.		1.125	H2S considered?NoSurface temperature:75 °FBottom hole temperature:175 °FTemperature gradient:0.80 °F/100Minimum section length:650 ft		75 °F 175 °F 0.80 °F/100ft	
			<u>Burst:</u> Design factor 1.00		1.00					
<u>Burst</u>				0						
	anticipated	surface	4,805 psi							
Internal gradient: 0.000 psi/ft			Tension:			Non-directional string.				
Calculated BHP 4,805 psi				8 Round STC: 1.80 (J)		Ŭ				
Annular backup: 9.80 ppg			8 Round LTC: Buttress: Premium: Body yield:		1.80 (J) 1.60 (J) 1.50 (J) 1.60 (B)					
				Tension is Neutral po	based on air int: 1	weight. 1,133 ft				
				Estimated cost: 66,454 (\$)		6,454 (\$)				
Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.	
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost	
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)	
4	1000	5.5	17.00	N-80	Buttress	1000	1000	4.767	6026	
3	3500	5.5	17.00	N-80	LT&C	4500	4500	4.767	19727	
2	3500	5.5	15.50	K-55	LT&C	8000	8000	4.825	15338	
1	4500	5.5	17.00	N-80	LT&C	12500	12500	4.767	25363	

Prepared TRR

Collapse

Load

(psi)

384

1730

3075

4805

Run

Seq

4

3

2

1

by: Devon Energy

Collapse

Strength

(psi)

4792

5425

3535

6290

Collapse

Design

Factor

12.47

3.14

1.15

1.31

Burst

Load

(psi)

4805

4296

2514

732

Date: September 21,2000 Oklahoma City, Oklahoma

Tension

Strength

(kips)

397

348

239

348

Tension

Design

Factor

1.92 B

1.83 J

1.83 J

4.55 J

Tension

Load

(kips)

207.2

190.2

130.7

76.5

Burst

Design

Factor

1.61

1.80

1.91

10.57

EURIE P

Remarks:

Collapse is based on a vertical depth of 12500 ft, a mud weight of 7.4 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

(psi)

7740

7740

4810

7740

Burst strength is not adjusted for tension.

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