Well n	ame:			Campa	ana 2 "M"	State #1			
Opera	tor: Dev	on Energy	Production						
String	tring type: Production								
			_						
Locati	on: Sec	tion 2, T24	S, R26E, Ed	dy County,	NM				
Design parameters:				Minimun	n design fac	tors:	Environment:		
				Collapse:			H2S considered? No		
Mud weight: 6.500 ppg Design is based on evacuated pipe.				Design factor 1.125		1.125	Surface temperature: 75 °F		
							Bottom hole temperature: 171 °F Temperature gradient: 0.80 °F/10		
									0.80 °F/100
				Burst:			Minimum se	ection length:	450 ft
Surface pressure: 1,210 psi				Design factor 1.00					
Burst						1.00			
	anticipated	surface							
	ressure:		,052 psi						
Internal gradient: 0.000 psi/ft			Tension:			Non-directional string.			
Calculated BHP 4,052 psi Annular backup: 9.60 ppg			8 Round STC: 1		1.80 (J)				
			8 Round LTC:		1.80 (J)				
					1.60 (J)				
			Premium:		1.50 (J)				
				Body yield	1:	1.60 (B)			
				Tension is	based on air	weight.			
Packer fluid details:				Neutral point: 10,817 ft					
Fluid density: 8.600 ppg									
Pac	ker depth:	11	,500 ft						
				Estimated	cost: 6	7,857 (\$)			
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	L-80	Buttress	1000	1000	4.767	(*) 6778
3	3000	5.5	17.00	L-80	LT&C	4000	4000	4.767	19008
2	3500	5.5	17.00	J-55	LT&C	7500	7500	4.767	13560
1	4500	5.5	17.00	L-80	LT&C	12000	12000	4.767	28511
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
•	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
4	1548	4831	3.12	4052	7740	1.91	204	397	1.95 B
3	2561	5376	2.10	4000	7740	1.94	187	338	1.93 B 1.81 J
	3742	4369	1.17	3844	5320	1.38	136	247	1.82 J
2	0172								

Prepared W.M. Frank by: Devon Energy

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Phone: (405) 552-4595 FAX: (405) 552-4621

Date: April 8,2001 Oklahoma City, Oklahoma

Remarks:

Collapse is based on a vertical depth of 1:2000 ft, a mud weight of 6.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcolt, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.