WELL PLAN OUTLINE

Well Name: Topacio Federal 28 Com #2 County: Lea State: NM

Location: 1330 FSL, 1980 FEL Est KB: TD: 13,750

Sec 28, T19S, R33E GL: 3570'

Depth	Formation Top & Type	Drilling Problems	Type of Formation Evaluation	Hole Size	Casing Size-Depth	Frac Grad	Form Press Grad	(ppg) Mud Wt & Type	Days
	Sand & Red Bed @ 300'		0-300' Dev. survey <1deg	17-1/2"	13-3/8" 48# H-40 @ 500' w/ cmt to surface			8.3-8.8 Fresh wtr	1
1000	Anhydrite/Salt		500' surveys to TD						1
2000				11"				8.8-10.2 Cut Brine	
3000		Possible Deviation & washout							
	Yates 3103 (+495)								
	Seven Rivers 3362 (+236)								
4000			Logging unit 4500' to TD						
					8-5/8" 32# J-55 @ 4500 w/ cmt to surf				
5000									
	Delaware 5313 (-1715)								10
6000								8.5-9.0 Cut Brine	
				7-7/8"					
7000									
8000			Maximum deviation 5 degrees						
	Bone Spring 8018 (-4420)								
9000	1st Bone Spg 9163 (-5565)								
	2nd Bone Spg 9453 (-5855)								20
	2nd BS Debris 9693 (-6095)								
10000	3rd BS Carb 10268 (-6670)								
	3rd BS SS Mbr 10589 (-6991)								
	Wolfcamp 10793 (-7195)								
11000	Wfcp Chrt 10943 (-7345)								
	Cisco 11,803 (-8205)				5-1/2" 17# L-80 & S-95 @ 13,750 w/ cmt to 9,000'				30
12000	Canyon 12003 (-8405)								
	Strawn 12108 (-8510)								
	Atoka 12403 (-8805)								
	Atoka LS 12763 (-9165)								
	Morrow 12933 (-9335)							9.0-9.8 Polymer-Gel WL<10	
13000	Mdl Mrw Clas 13130 (-9545)								40
	Low Morrow 13500 (-9925)								
	TD 13750 (-10115)								
14000									