WELL PLAN OUTLINE

Well Name: Diamante Federal "21" #1 County: Lea State: NM

Location: 1650 FSL & 1650 FWL Est KB: 3635' TD: 13,800'

Sec 21, T19S, R33E GL: 3615'

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 @ 400' w/ cmt to surface			8.3-8.8 Fresh wtr	1
1000	Anhydrite/Salt	Possible Deviation & washout	500' surveys to TD						
2000				11" or 12-1/4"				8.8-10.2 Cut Brine	
3000	Yates 3090 (+545)								
	Seven Rivers 3365 (+270)								
4000									
5000	Delaware 5310 (-1675)	Possible water flows	Logging unit 5000' to TD		8-5/8" 32# J-55 @ 5000 w/ cmt to surf				10
6000								8.5-9.0 Cut Brine	
7000				7-7/8"					
	Bone Spring 7940 (-4305)								
8000			Maximum deviation 5 degrees						
9000									
	2nd Bone Spg 9400 (-5765)								20
10000	Wolfcamp 10,778 (-7143)								
11000									
	Cisco 11,790 (-8155)				5-1/2" 17# N-80 & S-95 @ 13,800 w/ cmt to 10,000'				30
12000	Strawn 12,082 (-8447)								
	Atoka 12,393 (-8758)								
13000	Morrow 12,923 (-9288)								
	Mid Morrow Clastics 13,130 (-9495)							9.0-9.8 Polymer-Gel WL<10	40
14000									