

Randel State, Well No. 4

Stage No.	Perfs.	BPD	15% HCL	20/40 Mesh Sand	Ball Sealers and Action	Max. Press.	Min. Press.	Avj. Rate B/PM	ISDP	5 Min SDP	10 Min SDP	15 Min SDP
			Gals Acid									
1 - 13 Holes	3774 - 3895	2000	500	15,000 - 15,000#	3 - Good Action	5000	4600	15.1	1600	1500	1400	1400
2 - 15 Holes	3622 - 3717	3500	500	30,000 - 30,000#	5 - Good Action	5000	4500	24.4	1300	1200	1100	1100
20 Holes	3382 - 3544	1000	750	30,000 - 30,000#	20 - Good Action	4600	4300	29.0	1200	1100	1000	1000
4 - 16 Holes	3101 - 3308	4800	500	30,000 - 30,000#	4 - Good Action	5000	4100	20.5	1400	1200	1100	1100
5 - 11 Holes	2792 - 2922	3700	500	20,000 - 20,000#	4 - Good Action	5000	4700	21.0	1300	1200	1150	1150
6 - 7 Holes	2639 - 2692	2000	250	20,000 - 20,000#	1 - Good Action	4600	4300	25.4	1400	1350	1300	1300
7 - 12 Holes	2558 - 2588	2800	500	30,000 - 30,000#	1 - Good Action	4500	4300	28.0	1400	1300	1250	1250

Total Frac: Acid: 3500 gallons
Sand: 175,000 gallons, 175,000 pounds