

2nd Bone Spring Sand Core (Conventional)

Case No. 15430

CIMAREX
Exhibit 7

White City Area Wolfcamp Core (Unconventional)

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POR %	PERM mD
1	8615.0	2.70	6.4	0.047
2	8622.0	2.70	6.3	0.033
3	8629.5	2.68	8.4	0.098
4	8633.0	2.70	7.6	0.050
5	8649.0	2.69	7.7	0.044
6	8651.5	2.69	8.4	0.286
7	8711.5	2.66	10.7	0.610
8	8715.0	2.68	9.2	0.116
9	8718.0	2.68	8.5	0.089
10	8724.0	2.66	11.5	0.555
11	8730.0	2.66	11.1	0.648
12	8734.0	2.68	11.6	0.568
13	8752.0	2.67	5.6	0.116
14	8755.0	2.67	10.2	0.260
15	8762.0	2.71	6.2	0.107
16	8768.0	2.68	11.1	0.481
17	8772.0	2.69	10.9	0.508

Sample ID	Depth (ft)	As Received Bulk Density (g/cc)	As Received Grain Density (g/cc)	Dry Grain Density (g/cc)	Porosity (% of BV)	Pressure-Decay Permeability (mD)
1	9075.50	2.480	2.598	2.664	8.08	0.000307
2	9080.95	2.423	2.542	2.599	7.80	0.000313
3	9090.15	2.528	2.598	2.643	5.15	0.000175
4	9100.45	2.643	2.701	2.702	2.20	0.000102
5	9108.60	2.450	2.545	2.600	6.87	0.000264
6	9118.95	2.512	2.586	2.646	6.32	0.000171
7	9128.50	2.695	2.741	2.743	1.73	0.000057
8	9135.80	2.563	2.628	2.687	5.81	0.000134
9	9140.93	2.570	2.619	2.677	5.10	0.000135
10	9149.50	2.634	2.683	2.702	2.88	0.000127
11	9160.50	2.708	2.744	2.746	1.38	0.000053
12	9176.20	2.471	2.559	2.621	6.97	0.000206
13	9184.25	2.558	2.636	2.688	5.85	0.000188
14	9186.17	2.528	2.601	2.666	6.42	0.000176
15	9189.83	2.571	2.653	2.699	5.60	0.000197
16	9207.35	2.684	2.719	2.720	1.33	0.000063
17	9221.90	2.569	2.640	2.682	5.00	0.000172
18	9227.10	2.492	2.588	2.638	6.50	0.000237
19	9261.80	2.533	2.639	2.690	6.84	0.000231
20	9264.50	2.593	2.658	2.682	3.77	0.000152
21	9268.50	2.692	2.719	2.719	1.01	0.000081
22	9274.30	2.532	2.598	2.664	6.40	0.000167
23	9282.50	2.593	2.663	2.687	4.02	0.000208
24	9292.50	2.517	2.612	2.655	6.10	0.000208
25	9295.80	2.493	2.618	2.658	7.01	0.000310
26	9298.50	2.518	2.614	2.656	6.07	0.000256