



Core Analysis Report
For
SDX Resources Inc.

Northwest State #3
Sec. 32 T17S R28E
Eddy County, New Mexico

Discussion of Laboratory Procedures and Results

On August 29th, 1999 Precision Core Analysis, Inc. received a total of 25 rotary-drilled sidewall cores obtained from the SDX Resources Inc. Northwest State #3 well in Eddy County, New Mexico. Upon visual inspection it was discovered that sample number 16 was primarily anhydrite thus no analyses were performed on this sample. The remaining samples were tested utilizing the following procedures.

The core plugs to be analyzed were trimmed to right cylinders utilizing a diamond-tipped trim saw and water as the blade coolant. The trimmed samples were placed into a CO₂-Toluene core cleaner and flushed with solvent for a total of twelve hours. Following the cleaning process the samples were placed into a convection oven and dried for four hours at 180° F. The samples were then removed from the oven and allowed to cool within a sealed glass desiccator until reaching room temperature.

The cleaned and dried core plugs were individually placed into a Coberly-Stevens Boyle's Law porosimeter and injected with helium. The grain volume was calculated using the results of these measurements. Finally grain density and porosity were determined for each sample, the results of which are presented in tabular format on the next page. Each sample was next placed into Hassler-Sleeve core holder and nitrogen gas was forced through the sample. Permeability to nitrogen was calculated and is reported in tabular format on the next page.



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Job:
 Date:

99036
 03-Sep-99

Reference Number	Depth (ft)	Permeability		Helium Porosity (%)	Grain Density (g/cc)	Sample Description
		Air (md)	Klink (md)			
<u>Rotary-Drilled Sidewall Cores</u>						
25	1457.0	1.38	1.09	12.4	2.66	N/A
24	1485.0	0.089	0.049	3.2	2.77	N/A
23	1706.0	0.130	0.077	4.5	2.71	N/A
22	1718.0	3.21	2.72	13.9	2.64	N/A
21	1910.0	13.9	12.0	14.8	2.65	N/A
20	1933.0	0.955	0.732	9.5	2.68	N/A
19	2125.0	4.01	3.20	15.3	2.84	N/A
18	2450.0	10.5	8.74	12.6	2.85	N/A
17	2456.0	0.118	0.069	8.6	2.84	N/A
16	2465.0	Anhydrite - No Analyses Performed				N/A
15	2482.0	0.086	0.047	4.4	2.83	N/A
14	2572.0	1.83	1.49	6.4	2.83	N/A
13	2593.0	77.3	67.3	12.3	2.81	N/A
12	2629.0	1.69	1.37	6.1	2.85	N/A
11	2704.0	12.8	10.7	12.7	2.81	N/A
10	2708.0	5.28	4.24	10.5	2.83	N/A
9	2721.0	0.280	0.184	7.1	2.83	N/A
8	2733.0	38.5	33.2	12.8	2.82	N/A
7	2741.0	26.6	22.5	11.9	2.82	N/A
6	2753.0	0.636	0.467	5.5	2.83	N/A
5	2769.0	11.9	10.1	8.6	2.81	N/A
4	2822.0	1.08	0.839	4.1	2.84	N/A
3	2842.0	0.034	0.015	7.0	2.82	N/A
2	2997.0	0.749	0.560	6.9	2.82	N/A
1	3150.0	3.24	2.74	8.0	2.85	N/A

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Air Permeability vs Helium Porosity

