Dick Lares

MINERALOGY, INC.
3[illegible] E. 15th St.
Tulsa, Oklahoma 74104

Chg: 5088012

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X-RAY DIFFRACTION MINERAL PERCENTAGES

Big Injun Sandstone

SAMPLE IDENTIFICATION NUMBER (well name, permit No., footage)	QUARTZ	FELDSPAR	CALCITE	FERRODOLOMITE	SIDERITE	HALITE	ANHYDRITE	KAOLINITE	CHLORITE	ILLITE	MIXED LAYERED ILLITE/SMECTITE	CLINOPTILOLITE	PYRITE							TOTAL
Well 1126 1790'	77	5	12					4	1	1										
1801	80	4	1		2				8	5										
1808	82	4	2						8	4										
1817	82	3	3						9	3		trc?								
1824	75	3	1		4				12	5										
Well 1052 1841	12	2	86																	
1850.3	85	2	7						4	2										
1863.3	81	4	7					3	3	2										
1870	62	5	17					4	4	8										
1880	81	3	3	1					4	3										
1890.7	75	3	trc		3	2			13	4										
1899.5	81	trc	1		3	2			18	5										
1944	76	6	3						6	6			3							
Well 1126 1779.5	86	3	4						5	2										

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X-RAY DIFFRACTION MINERAL PERCENTAGES

SAMPLE IDENTIFICATION NUMBER	QUARTZ	FELDSPAR	CALCITE	FERRODOLOMITE	SIDERITE	HALITE	ANHYDRITE	KAOLINITE	CHLORITE	ILLITE	MIXED LAYERED ILLITE/SMECTITE	CLINOPTILOLITE	PYRITE							TOTAL
Well 1126 1862.5	81	4					trc?		11	4										
[redacted]																				