

Total Coal - San Juan Coal Company

Underground Operations

(includes all coal, bone coals w/ densities of 1.2 to 2.1 g/cc)

<u>DrillHole</u>	<u>Total Coal</u>	<u>Mineable 8 Seam</u>
131	15.90	11.50
132	15.30	14.50
141	18.70	13.50
142	11.80	8.50
231	17.60	13.00
232	19.80	13.00
233	21.80	14.00
234	22.10	13.00
241	20.10	13.50
242	22.00	13.00
243	21.30	13.00
244	20.60	13.50
251	20.30	13.00
252	21.00	12.00
253	20.90	12.50
254	21.10	13.00
25P	12.60	10.70
261	19.50	13.50
262	20.20	13.50
263	20.00	12.50
264	22.90	13.50
27P	11.40	7.70
29P	16.30	14.30
312J7	8.50	4.50
312N7	19.60	14.20
313L7	14.20	6.20

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San Juan Coal Co. Exhibit No. 29
Before the Oil Conservation Commission
Hearing Dates: October 29-31, 2002

DrillHole	Total Coal	Mineable 8
31J	6.50	2.20
31L	9.00	5.00
31N	20.60	20.00
31P	21.80	16.30
322G8	20.10	16.60
322H8	16.60	16.50
322I8	11.30	5.30
322J8	6.80	2.20
322K8	15.00	9.20
322L7	19.30	16.40
322N7	21.70	16.70
332J8	17.60	13.50
332N7	22.00	15.90
33J	19.30	16.30
33L	20.20	16.70
33N	21.40	16.50
33P	16.10	14.80
34L	22.20	15.90
351	17.80	14.80
352	20.50	13.50
353	26.40	17.00
354	26.10	16.00
35J	23.60	18.90
35L	21.20	17.00
35N	21.50	17.00
35P	18.90	13.50
36K	22.40	18.90
36L	24.45	16.80

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DrillHole	Total Coal	Mineable 8
36N	19.40	13.70
37J	23.30	17.30
37L	23.00	18.80
37N	18.40	13.00
38M	21.20	13.20
38N	15.20	11.70
39J	21.70	16.70
39L	20.10	13.80
39N	17.90	13.20
39P	19.00	13.60
40K	22.50	18.40
40K5	17.66	13.33
40M	19.30	12.90
40N	17.70	12.40
419K	20.30	16.20
419L	21.40	13.00
41J	20.40	17.30
41L	19.00	13.50
41N	19.10	14.10
41P	22.60	12.80
438O	24.00	16.30
439K	22.60	17.70
439L	21.30	15.60
43J	20.10	16.70
43L	21.00	16.20
43N	22.70	13.80
43P	21.70	13.10
458M	22.50	17.00

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DrillHole	Total Coal	Mineable 8
458P	24.70	17.90
45J	20.30	16.10
45L	19.40	15.90
45N	19.30	15.10
45P	24.00	16.00
475J	24.00	17.20
478K	22.30	17.30
478M	23.90	16.30
478O	24.30	16.90
47H	14.50	15.90
47J	23.80	16.00
47K	24.90	17.60
47L	23.00	17.80
47N	19.60	17.20
47P	21.40	16.00
48251	26.60	19.00
489H	21.40	16.40
489J	20.30	16.00
489L	20.50	16.30
489N	23.50	16.70
489P	21.20	17.00
48H	17.50	16.40
48I	15.90	16.80
48J	23.80	17.60
6031	18.70	10.30
6032	22.20	14.00
6033	18.30	11.70
6034	15.70	9.00

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DrillHole	Total Coal	Mineable 8
6035	20.90	13.10
6051	25.60	16.00
6052	25.60	14.00
6053	25.20	15.00
6054	21.80	14.00
6055	23.60	13.00
D29401	24.10	14.30
D29402	24.90	15.10
D29403	23.60	14.40
D29404	23.60	14.30
D29405	20.50	11.70
D29406	23.30	12.00
D29407	19.40	11.70
D29408	22.40	11.80
D29409	18.20	11.70
D29410	23.70	13.50
D29411	20.10	12.50
D29412	20.65	13.50
D29413	21.85	13.80
D29414	18.70	12.20
D29415	20.40	12.80
D29416	20.00	13.90
D29417	16.70	12.60
DJIGGS-2	12.00	9.00
DL2000-01	27.00	17.40
DL2000-02	17.10	14.70
DL2000-03	25.20	15.30
DL2000-04	28.48	13.50

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DrillHole	Total Coal	Mineable 8
DL2000-05	22.40	15.00
DL2000-06	25.00	14.50
DL2000-07	21.04	12.70
DL2000-08	19.50	12.50
DL2000-09	21.62	12.50
DL2000-10	19.95	12.10
DL2000-11	26.20	15.50
DL2000-12	24.20	14.40
DL2000-13	26.10	14.40
DL2000-14	16.80	10.60
DL2000-15	20.10	12.20
DL2000-16	24.30	15.60
DL2000-17	22.00	13.30
DL2000-18	21.80	12.30
DL2000-19	23.35	15.20
DL2000-20	21.50	11.00
DL2000-21	16.30	11.30
DL2000-22	21.10	14.20
DL2000-23	22.55	13.60
DL2000-24	19.80	13.30
DL2000-25	12.60	7.60
DL2000-26	15.90	11.60
DL2000-27	12.30	11.00
DL2000-28	15.10	10.90
DL9801	24.85	15.60
DL9802	18.60	11.90
DNONA-1	12.00	12.00
DNONA-2	17.00	13.00

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DrillHole	Total Coal	Mineable 8
DPL9701	21.60	16.10
DPL9702	22.60	17.00
DPL9703	24.30	16.90
DPL9704	23.90	17.00
DPL9705	23.90	17.10
DPP-2	14.00	10.00
DTAB-90	7.00	6.00
DX9701	18.10	13.20
DX9702	22.80	11.40
DX9703	22.00	12.80
DX9704	25.40	12.90
DX9705	23.20	14.70
DX9706	20.40	13.60
DX9707	17.40	10.80
DX9708	21.80	12.40
DX9709	21.40	10.80
DX9710	19.90	11.70
DX9711	19.20	12.60
DX9712	21.20	14.40
DX9713	21.50	15.10
DX9714	19.60	13.70
DX9715	21.30	11.80
DX9716	15.30	7.20
DX9717	20.70	14.40
DX9718	16.90	9.30
DX9719	19.20	10.40
DX9720	21.00	11.60
DX9721	20.60	11.90

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DrillHole	Total Coal	Mineable 8
E94	22.20	12.90
F1	22.55	13.00
F2	20.30	15.90
GT1	23.30	16.30
HF200001	23.00	16.20
HF200002	25.90	16.60
HF200003	22.10	13.30
HR-1	14.40	4.50
HR-2	11.00	1.50
HR-3	16.81	9.66
HR-4	14.80	5.10
HR-5	11.05	7.90
J94	19.60	12.10
OG29145A	25.00	15.00
OG29146A	20.00	12.00
OG29146B	21.00	12.00
OG29151A	18.00	12.00
OG29151B	21.00	15.00
OG301410A	13.00	7.00
OG301411A	15.00	6.00
OG301411B	17.00	11.00
OG301411D	11.00	6.00
OG301412A	11.00	5.00
OG301412B	11.00	5.00
OG301412C	11.00	6.00
OG301412D	13.00	8.00
OG301413A	11.00	7.00
OG301413B	10.00	7.00

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DrillHole	Total Coal	Mineable 8
OG301413C	10.00	7.00
OG301413D	11.00	7.00
OG301413E	14.00	8.00
OG301414A	18.00	11.00
OG301414B	12.00	5.00
OG301414C	10.00	5.00
OG301414D	12.00	6.00
OG301414F	12.00	6.00
OG301417A	21.00	14.00
OG301417B	21.00	14.00
OG301418A	13.00	8.00
OG301418B	18.00	13.00
OG301419A	16.00	10.00
OG301419C	17.00	12.00
OG301420A	19.00	13.00
OG301421A	14.00	10.00
OG301422A	16.00	12.00
OG301422B	19.00	13.00
OG301423A	12.00	6.00
OG301423B	14.00	7.00
OG301424A	13.00	7.00
OG301424B	12.00	7.00
OG301424C	11.00	5.00
OG301424D	12.00	6.00
OG301424E	11.00	6.00
OG301425B	13.00	8.00
OG301425C	15.00	9.00
OG301425D	14.00	8.00

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DrillHole	Total Coal	Mineable 8
OG301425E	13.00	8.00
OG301425F	13.00	7.00
OG301425G	12.00	7.00
OG301426A	11.00	5.00
OG301426B	12.00	6.00
OG301426C	11.00	5.00
OG301426D	12.00	6.00
OG301426E	10.00	6.00
OG301427A	14.00	5.00
OG301427B	15.00	6.00
OG301427C	14.00	6.00
OG301428A	21.00	15.00
OG301428B	21.00	13.00
OG301429A	18.00	12.00
OG301430A	20.00	13.00
OG301430B	17.00	11.00
OG301431A	19.00	12.00
OG301431B	18.00	12.00
OG301431C	23.00	13.00
OG301431D	24.00	14.00
OG301431F	21.00	13.00
OG301432A	24.00	14.00
OG301432B	21.00	11.00
OG301432C	23.00	15.00
OG301433A	22.00	14.00
OG301433B	23.00	15.00
OG301433C	21.00	15.00
OG301434A	11.00	6.00

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DrillHole	Total Coal	Mineable 8
OG301434B	11.00	6.00
OG30143B	11.00	6.00
OG30143E	11.00	6.00
OG30143F	15.00	10.00
OG30144A	11.00	5.00
OG30144B	11.00	5.00
OG30144C	11.00	7.00
OG30144D	12.00	7.00
OG30145A	10.00	6.00
OG30145C	13.00	5.00
OG30147A	19.00	14.00
OG30147B	8.00	4.00
OG30148A	21.00	13.00
OG30148B	16.00	11.00
P46	20.55	16.55
P48	19.90	15.75
P49	20.25	15.80
P50	13.10	5.35
P51	16.00	13.20
P52	22.10	17.30
P53	22.10	17.00
P56	19.20	15.55
P58	21.30	16.50
P60	21.35	16.60
P65	18.25	13.30
P66	19.35	13.00
P68	19.05	14.30
P70	20.55	15.20

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DrillHole	Total Coal	Mineable 8
P76	16.60	12.70
P79	14.80	11.80
PM98001	18.15	16.20
PM98002	20.80	17.10
PM98003	18.70	17.00
PM98004	18.45	17.15
PM98005	20.45	17.40
PM98006	20.40	16.70
PM98007	17.30	16.60
PM98008	16.35	16.85
PM98009	19.70	17.45
PM98010	17.50	16.90
PM98011	18.40	16.30
Q94	19.50	13.90
RFED20-1	17.00	11.00
RFED20-2	18.00	14.00
RFED20-3	18.00	12.00
RFED21-1	18.00	13.00
RFED21-2	18.00	14.00
RFED21-3	19.00	15.00
RFED28-1	18.00	13.00
RFED28-2	18.00	15.00
RFED28-3	20.00	14.00
RFED28-4	19.00	14.00
RFED29-1	19.00	13.00
RFED29-3	18.00	12.00
RFED30-1	17.00	7.00
RST32-1	15.00	11.00

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DrillHole	Total Coal	Mineable 8
RST36-1	22.00	15.00
RST36-2	21.00	15.00
RST36-3	19.00	15.00
RTS16-1	17.00	12.00
RTS16-2	16.00	11.00
S101	20.60	16.40
S102	20.90	15.70
S103	20.60	17.20
S104	20.50	16.50
S1901	19.50	15.30
S1902	22.00	15.00
S1902A	23.40	15.80
S1903	22.50	16.10
S1904	22.50	16.30
S1905	20.70	14.50
S1906	24.10	16.50
S1907	22.50	16.90
S1908	23.70	15.70
S1909	24.20	16.50
S1910	25.00	17.30
S54	18.60	16.60
S61	18.00	16.80
S81	17.60	16.50
S82	18.30	17.90
S94	18.80	16.10
S98	22.40	18.00
S99	22.50	17.10
SHAFT01SITE1	22.50	16.20

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DrillHole	Total Coal	Mineable 8
SHAFT01SITE2	19.60	13.10
SL0196	19.40	16.10
SL0296	24.70	16.00
SL0396	24.90	16.50
SL0496	21.40	16.10
SL0596	17.70	15.60
SL0696	24.10	15.70
SL0796	19.40	15.30
SL0896	25.30	15.90
SL0996	23.60	15.40
SL1096	22.30	15.20
SL1296	19.00	15.80
SL1396	18.00	15.70
SL1496	24.00	15.80
SL1596	19.50	15.50
UGM9901	25.50	16.30
UGM9902	25.05	17.80
UGM9903	23.90	16.95
UGM9904	25.10	17.35
UGM9905	22.45	13.20
UGM9906	21.20	13.00
UGM9907	21.20	12.90
UGM9908	22.35	15.40
UGM9909	22.25	16.80
UGM9910	22.80	16.30
UGM9911	23.85	16.00
UGM9912	24.45	16.20
UGM9913	26.30	16.90

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DrillHole	Total Coal	Mineable 8
UGM9914	25.25	16.45
UGM9915	24.60	16.90
UGM9916	25.25	17.35
UGM9917	25.65	17.10
UGM9918	24.75	16.80
UGM9919	23.20	16.00
UGM99F01	22.20	17.40
UGM99F02	23.70	17.60
UGM99F03	23.10	17.30
UGM99F04	23.40	16.90
UGM99F05	22.60	16.70
UGM99F06	23.10	17.40
UGM99F07	18.70	17.20
UGM99F08	22.30	17.40
UGM99F09	22.80	16.80
UGM99F10	22.10	17.50
UGM99F11	21.70	17.20