

RICHARDSON SPALLS LOW FORMATION WELLS

Source: Hopkins Map Service with the exception of gas and water production volumes and 1st production date, which was obtained from NMOCD
On the dual-completion wells the cumulative volumes given are totals for all formations combined

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

Application of Richardson Operating
Co.
Record on Appeal, 1156.

API_NUMBER	T	R	S	U	WELL_NO	POOL	WELL_NAME	NO	1ST PROD	CUM GAS (MCF)	CUM WATER (BBLs)	LAST MORPT GAS (MCF)
30-045-30168	29N	14W	03	L	2	BASIN FRUITLAND COAL	WF FEDERAL 3	002	Sep-00	99,565	47,220	4,053
30-045-30202	29N	14W	03	D	1	TWIN MOUNDS FT SD PC EXT	WF FEDERAL 3	001	Sep-00	83,121	41,510	4,388
30-045-30366	29N	14W	04	A	1	BASIN FRUITLAND COAL	ROP CO 4	001	Oct-01	8,139	4,477	
30-045-30366	29N	14W	04	A	1	TWIN MOUNDS FRT SND PC	ROP CO 4	001				238
30-045-30443	29N	14W	04	C	4	TWIN MOUNDS FRT SND PC	ROP CO 4	004	Oct-01	28,019	3,470	5,424
30-045-30422	29N	14W	04	I	2	TWIN MOUNDS FRT SND PC	ROP CO 4	002	Nov-01	37,195	11,640	7,174
30-045-30394	29N	14W	04	L	3	BASIN FRUITLAND COAL	ROP CO 4	003				
30-045-30394	29N	14W	04	L	3	TWIN MOUNDS FRT SND PC	ROP CO 4	003	1-Nov	21,404	4,790	7,174
30-045-30259	29N	14W	05	E	1	TWIN MOUNDS FRT SND PC	WF FEDERAL 5	001	Oct-01	10,547	8,520	17
30-045-30415	29N	14W	05	G	4	BASIN FRUITLAND COAL	ROP CO 5	004				
30-045-30415	29N	14W	05	G	4	TWIN MOUNDS FRT SND PC	ROP CO 5	004		30,685	14,910	2,676
30-045-29853	29N	14W	05	K	2	BASIN FRUITLAND COAL	WF FEDERAL 5	002	Mar-00	67,016	114,650	693
30-045-29853	29N	14W	05	K	2	TWIN MOUNDS FRT SND PC	WF FEDERAL 5	002				0
30-045-29852	29N	14W	05	O	3	TWIN MOUNDS FRT SND PC	WF FEDERAL 5	003	Oct-00	131,239	94,920	17
30-045-29459	29N	14W	06	P	1	BASIN FRUITLAND COAL	BUSHMAN FEDERAL 6	001	Feb-99	307,370	267,040	7,726
30-045-29459	29N	14W	06	P	1	TWIN MOUNDS FRT SND PC	BUSHMAN FEDERAL 6	001				2,463
30-045-30523	29N	14W	07	B	1	BASIN FRUITLAND COAL	ROP CO 7	001				No data
30-045-30523	29N	14W	07	B	1	TWIN MOUNDS FRT SND PC	ROP CO 7	001				No data
30-045-30346	29N	14W	08	B	1	BASIN FRUITLAND COAL	ROP CO 8	001				No data
30-045-30346	29N	14W	08	B	1	TWIN MOUNDS PC	ROP CO 8	001				No data
30-045-30601	29N	14W	08	E	2	TWIN MOUNDS FRT SND PC	ROP CO 8	002	Oct-01	39,452	20,260	8,664
30-045-30460	29N	14W	08	J	4	TWIN MOUNDS FRT SND PC	ROP CO 8	004				No data
30-045-30459	29N	14W	08	M	3	BASIN FRUITLAND COAL	ROP CO 8	003				No data
30-045-30459	29N	14W	08	M	3	TWIN MOUNDS FRT SND PC	ROP CO 8	003				No data
30-045-30345	29N	14W	09	F	4	TWIN MOUNDS FRT SND PC	ROP CO 9	004				No data
30-045-30383	29N	14W	09	A	1	BASIN FRUITLAND COAL	ROP CO 9	001				No data
30-045-30383	29N	14W	09	A	1	TWIN MOUNDS FRT SND PC	ROP CO 9	001	Mar-02	5,206	8,400	1,944
30-045-30322	29N	14W	09	K	3	BASIN FRUITLAND COAL	ROP CO 9	003				No data
30-045-30322	29N	14W	09	K	3	TWIN MOUNDS FRT SND PC	ROP CO 9	003				No data
30-045-30963	29N	14W	09	P	2	TWIN MOUNDS FRT SND PC	ROP CO 9	002				No data
30-045-30444	29N	14W	10	D	1	HARPER HILL FR SD PC	ROP CO 10	001				No data
30-045-30448	29N	14W	10	K	2	BASIN FRUITLAND COAL	ROP CO 10	002				
30-045-30448	29N	14W	10	K	2	HARPER HILL FR SD PC	ROP CO 10	002	May-01	27,311	30,195	2,294
30-045-30652	29N	14W	13	A	1	BASIN FRUITLAND COAL	NAVAJO 13	001				No data

APT_NUMBER	R	S	U	WELL_NO	POOL	WELL_NAME	NO	1ST PROD	CUM GAS	CUM WATER	LAST MO RPT
30-045-30652	29N	14W	13	A	1	KUTZ W PICTURED CLIFFS	NAVAJO 13	001			No data
30-045-30653	29N	14W	13	E	2	KUTZ W PICTURED CLIFFS	NAVAJO 13	002			No data
30-045-13101	29N	14W	13	M	5	BASIN FRUITLAND COAL	NAVAJO TRIBAL H	005	Oct-93	133984	75860
30-045-13101	29N	14W	13	M	5	KUTZ W PICTURED CLIFFS	NAVAJO TRIBAL H	005			3,528
30-045-08363	29N	14W	14	E	12	KUTZ W PICTURED CLIFFS	NAVAJO TRIBAL H	012	Jan-93	20,858	20,080
30-045-30654	29N	14W	14	H	2	BASIN FRUITLAND COAL	NAVAJO 14	002			No data
30-045-30654	29N	14W	14	H	2	KUTZ W PICTURED CLIFFS	NAVAJO 14	002			No data
30-045-30485	29N	14W	14	I	1	KUTZ W PICTURED CLIFFS	WF NAVAJO 14	001	May-01	82,200	28,650
30-045-30522	29N	14W	14	K	3	BASIN FRUITLAND COAL	BENALLY 14	003			No data
30-045-30522	29N	14W	14	K	3	KUTZ W PICTURED CLIFFS	BENALLY 14	003			No data
30-045-30942	29N	14W	16	B	1	BASIN FRUITLAND COAL	ROPCO 16	001			No data
30-045-30942	29N	14W	16	B	1	TWIN MOUNDS FRT SND PC	ROPCO 16	001			No data
30-045-30993	29N	14W	16	C	2	TWIN MOUNDS FRT SND PC	ROPCO 16	002			No data
30-045-30992	29N	14W	16	I	4	TWIN MOUNDS FRT SND PC	ROPCO 16	004			No data
30-045-30994	29N	14W	16	L	3	BASIN FRUITLAND COAL	ROPCO 16	003			No data
30-045-31056	29N	14W	20		4	KUTZ W PICTURED CLIFFS	NV NAVAJO 20	004			
30-045-31041	29N	14W	21		4	KUTZ W PICTURED CLIFFS	NV NAVAJO 21	004			
30-045-31055	29N	14W	21		3	BASIN FRUITLAND COAL	NV NAVAJO 21	003			
30-045-31055	29N	14W	21		3	KUTZ W PICTURED CLIFFS	NV NAVAJO 21	003			
30-045-31046	29N	14W	22		3	BASIN FRUITLAND COAL	NV NAVAJO 22	003			
30-045-31046	29N	14W	22		3	KUTZ W PICTURED CLIFFS	NV NAVAJO 22	003			
30-045-30317	29N	14W	23	H	1	BASIN FRUITLAND COAL	WF NAVAJO 23	001			
30-045-30317	29N	14W	23	H	1	KUTZ W PICTURED CLIFFS	WF NAVAJO 23	001	May-01	44,655	20,160
30-045-31054	29N	14W	23	M	3	BASIN FRUITLAND COAL	NV BENALLY 23	003			No data
30-045-31054	29N	14W	23	M	3	KUTZ W PICTURED CLIFFS	NV BENALLY 23	003			No data
30-045-30041	29N	14W	25	K	1	BASIN FRUITLAND COAL	NAVAJO 25	001			No data
30-045-30041	29N	14W	25	K	1	KUTZ W PICTURED CLIFFS	NAVAJO 25	001			No data
30-045-30994	29N	14W	26	L	3	TWIN MOUNDS FRT SND PC	ROPCO 16	003			
30-045-30099	29N	14W	26	L	1	BASIN FRUITLAND COAL	NAVAJO 26	001			
30-045-30099	29N	14W	26	L	1	KUTZ W PICTURED CLIFFS	NAVAJO 26	001			
30-045-30520	29N	14W	27	P	3	KUTZ W PICTURED CLIFFS	NAVAJO 27	003			No data
30-045-31040	29N	14W	27		2	KUTZ W PICTURED CLIFFS	NV NAVAJO 27	002			
30-045-29955	29N	14W	27	A	1	BASIN FRUITLAND COAL	NAVAJO 27	001		0	0
30-045-29955	29N	14W	27	A	1	KUTZ W PC EXT	NAVAJO 27	001		0	0
30-045-29954	29N	14W	27	K	2	BASIN FRUITLAND COAL	NAVAJO 27	002		0	0
30-045-29954	29N	14W	27	K	2	KUTZ W PC EXT	NAVAJO 27	002		0	0
30-045-30221	29N	14W	28	G	1	BASIN FRUITLAND COAL	NAVAJO 28	001		0	0
30-045-30221	29N	14W	28	G	1	KUTZ W PC EXT	NAVAJO 28	001		0	0
30-045-30615	29N	14W	28		3	KUTZ W PICTURED CLIFFS	NAVAJO 28	003			
30-045-31038	29N	14W	28		2	KUTZ W PICTURED CLIFFS	NV NAVAJO 28	002			

API_NUMBER	R	S	U	WELL_NO	POOL	WELL_NAME	NO	1ST PROD	CUM GAS	CUM WATER	LAST MO RPT
30-045-31039	29N	14W	34	2		KUTZ W PICTURED CLIFFS	002				
30-045-30521	29N	14W	34	1		BASIN FRUITLAND COAL	001				No data
30-045-30521	29N	14W	34	1		KUTZ W PICTURED CLIFFS	001				No data
30-045-23906	29N	15W	01	1		BASIN FRUITLAND COAL	001	May-00	46,257	44,290	1,904
30-045-23906	29N	15W	01	1		TWIN MOUNDS FRT SND PC	001				0
30-045-23470	29N	15W	13	1		BASIN FRUITLAND COAL	001	Jul-79	68,465	280	0
30-045-30660	30N	14W	01	1		BASIN FRUITLAND COAL	001				No data
30-045-30660	30N	14W	01	1		HARPER HILL FR SD PC	001				No data
30-045-29918	30N	14W	02	1		BASIN FRUITLAND COAL	001	May-02	0	20	0
30-045-29918	30N	14W	02	1		HARPER HILL FR SD PC EXT	001				0
30-045-30759	30N	14W	02	3		BASIN FRUITLAND COAL	003				No data
30-045-30759	30N	14W	02	3		HARPER HILL FR SD PC	003				No data
30-045-30712	30N	14W	12	2		BASIN FRUITLAND COAL	002				No data
30-045-30712	30N	14W	12	2		HARPER HILL FT SD PC	002				No data
30-045-30318	30N	14W	15	1		HARPER HILL FR SD PC	001	Dec-01	16,754	5,800	5,974
30-045-29827	30N	14W	15	1		TWIN MOUNDS FRT SND PC	001				
30-045-22764	30N	14W	15	2		BASIN FRUITLAND COAL	002	Sep-78	245,086	105,558	7,132
30-045-22764	30N	14W	15	2		HARPER HILL FR SD PC	002				1,262
30-045-29950	30N	14W	16	2		BASIN FRUITLAND COAL	002	Mar-00	63,998	129,240	3,902
30-045-29950	30N	14W	16	2		HARPER HILL FR SD PC	002				0
30-045-30077	30N	14W	16	4		HARPER HILL FT SD PC EXT	004	Nov-01	796	1,895	305
30-045-29750	30N	14W	16	1		BASIN FRUITLAND COAL	001	Nov-99	79,403	192,285	3,122
30-045-29750	30N	14W	16	1		HARPER HILL FR SD PC	001				381
30-045-30076	30N	14W	16	3		HARPER HILL FR SD PC	003	Jun-00	72,599	82,580	5,023
30-045-31063	30N	14W	19	4		TWIN MOUNDS FRT SND PC	004				No data
30-045-31067	30N	14W	19	3		BASIN FRUITLAND COAL	003				No data
30-045-31067	30N	14W	19	3		TWIN MOUNDS FRT SND PC	003				No data
30-045-30062	30N	14W	20	2		BASIN FRUITLAND COAL	002	Feb-01	13,100	19,169	218
30-045-30062	30N	14W	20	2		TWIN MOUNDS FRT SND PC	002				357
30-045-30262	30N	14W	20	4		TWIN MOUNDS FT SD PC EXT	004				No data
30-045-29649	30N	14W	20	1		BASIN FRUITLAND COAL	001	Jan-00	67,794	28,340	2,072
30-045-29649	30N	14W	20	1		TWIN MOUNDS FRT SND PC	001				253
30-045-30114	30N	14W	20	3		TWIN MOUNDS FT SD PC EXT	003				No data
30-045-30261	30N	14W	21	3		HARPER HILL FR SD PC EXT	003	Mar-01	50,590	68,850	3,717
30-045-30156	30N	14W	21	2		HARPER HILL FR SD PC	002	Feb-01	59,741	54,780	4,886
30-045-30156	30N	14W	21	2		TWIN MOUNDS FRT SND PC	002				
30-045-29597	30N	14W	21	1		BASIN FRUITLAND COAL	001				No data
30-045-29597	30N	14W	21	1		HARPER HILL FR SD PC	001				No data
30-045-30031	30N	14W	21	1Y		BASIN FRUITLAND COAL	001Y	Nov-99	39,370	38,399	253
30-045-30031	30N	14W	21	1Y		HARPER HILL FR SD PC	001Y				126

API_NUMBER	R	S	U	WELL_NO	POOL	WELL_NAME	NO	1ST PROD	CUM GAS	CUM WATER	LAST MORPT
30-045-30713	30N	14W	25	P 2	HARPER HILL FR SD PC	WF FEDERAL 25	002				No data
30-045-30681	30N	14W	25	H 1	BASIN FRUITLAND COAL	WF FEDERAL 25	001				
30-045-30681	30N	14W	25	H 1	HARPER HILL FR SD PC	WF FEDERAL 25	001	Jan-02	5,287	3,300	1,526
30-045-30689	30N	14W	27	C 2	HARPER HILL FR SD PC	WF FEDERAL 27	002	Dec-01	37,417	17,500	10,328
30-045-30392	30N	14W	27	G 1	BASIN FRUITLAND COAL	WF FEDERAL 27	001				
30-045-30392	30N	14W	27	G 1	HARPER HILL FR SD PC	WF FEDERAL 27	001	Dec-01	23,059	34,170	5,272
30-045-30393	30N	14W	27	K 3	BASIN FRUITLAND COAL	WF FEDERAL 27	003				
30-045-30393	30N	14W	27	K 3	HARPER HILL FR SD PC	WF FEDERAL 27	003	Dec-01	38,720	20,260	9,405
30-045-30377	30N	14W	28	F 4	HARPER HILL FR SD PC	WF FEDERAL 28	004	Mar-01	64,984	42,940	3,661
30-045-29880	30N	14W	28	A 1	BASIN FRUITLAND COAL	WF FEDERAL 28	001	Jan-00	18,349	14,835	143
30-045-29880	30N	14W	28	A 1	TWIN MOUNDS FRT SND PC	WF FEDERAL 28	001				144
30-045-30851	30N	14W	28	A 1R	BASIN FRUITLAND COAL	WF FEDERAL 28	001R				No data
30-045-30851	30N	14W	28	A 1R	TWIN MOUNDS FRT SND PC	WF FEDERAL 28	001R				No data
30-045-29948	30N	14W	28	J 2	TWIN MOUNDS FRT SND PC	WF FEDERAL 28	002	Jan-00	136,510	70,147	4,973
30-045-30379	30N	14W	28	N 3	BASIN FRUITLAND COAL	WF FEDERAL 28	003	Feb-01	156,083	45,820	10,238
30-045-30379	30N	14W	28	N 3	HARPER HILL FR SD PC	WF FEDERAL 28	003				1,334
30-045-29737	30N	14W	29	B 1	BASIN FRUITLAND COAL	WF FEDERAL 29	001	Oct-99	101,706	63,775	2,552
30-045-29737	30N	14W	29	B 1	TWIN MOUNDS FRT SND PC	WF FEDERAL 29	001				376
30-045-30348	30N	14W	29	D 4	TWIN MOUNDS FRT SND PC	WF FEDERAL 29	004	Mar-01	17,544	17,835	460
30-045-30347	30N	14W	29	M 3	BASIN FRUITLAND COAL	WF FEDERAL 29	003	Nov-01	9,675	12,490	116
30-045-30347	30N	14W	29	M 3	TWIN MOUNDS FRT SND PC	WF FEDERAL 29	003				1,253
30-045-30058	30N	14W	29	P 2	TWIN MOUNDS FRT SND PC	WF FEDERAL 29	002	Apr-00	155,202	65,640	6,440
30-045-29598	30N	14W	30	H 1	BASIN FRUITLAND COAL	WF FEDERAL 30	001	Nov-99	1,828	9,871	331
30-045-29598	30N	14W	30	H 1	TWIN MOUNDS FRT SND PC	WF FEDERAL 30	001				332
30-045-30727	30N	14W	30	L 3	BASIN FRUITLAND COAL	WF FEDERAL 30	003				No data
30-045-30727	30N	14W	30	L 3	TWIN MOUNDS FRT SND PC	WF FEDERAL 30	003				No data
30-045-30725	30N	14W	30	O 4	TWIN MOUNDS FRT SND PC	WF FEDERAL 30	004				No data
30-045-30201	30N	14W	30	P 2	TWIN MOUNDS FT SD PC EXT	WF FEDERAL 30	002				No data
30-045-30716	30N	14W	31	B 1	BASIN FRUITLAND COAL	WF FEDERAL 31	001				No data
30-045-30716	30N	14W	31	B 1	TWIN MOUNDS FRT SND PC	WF FEDERAL 31	001				No data
30-045-30726	30N	14W	31	D 2	TWIN MOUNDS FRT SND PC	WF FEDERAL 31	002				No data
30-045-29825	30N	14W	32	O 1	TWIN MOUNDS FRT SND PC	WF STATE 32	001	Jan-00	29,900	16,989	1,006
30-045-30378	30N	14W	33	N 3	TWIN MOUNDS FRT SND PC	WF FEDERAL 33	003	May-01	219,347	25,730	15,488
30-045-30442	30N	14W	33	B 1	BASIN FRUITLAND COAL	WF FEDERAL 33	001	Dec-01	30,183	20,330	8,369
30-045-30442	30N	14W	33	B 1	TWIN MOUNDS PC	WF FEDERAL 33	001				
30-045-30655	30N	14W	33	E 2	TWIN MOUNDS FRT SND PC	WF FEDERAL 33	002	Oct-01	50,020	11,830	10,533
30-045-30378	30N	14W	33	N 3	BASIN FRUITLAND COAL	WF FEDERAL 33	003	May-01	219,347	25,730	
30-045-29881	30N	14W	34	A 3	BASIN FRUITLAND COAL	WF FEDERAL 34	003	Mar-00	265,980	65,996	5,739
30-045-29881	30N	14W	34	A 3	HARPER HILL FR SD PC	WF FEDERAL 34	003				5,680
30-045-29882	30N	14W	34	N 2	BASIN FRUITLAND COAL	WF FEDERAL 34	002	Jan-00	242,219	78,115	10,579

API_NUMBER	R	S	U	WELL_NO	POOL	WELL_NAME	NO	1ST PROD	CUM GAS	CUM WATER	LAST MO RPT
30-045-29882	30N	14W	34	N	2	HARPER HILL FR SD PC	WF FEDERAL 34	002			404
30-045-29838	30N	14W	34	O	1	HARPER HILL FR SD PC	WF FEDERAL 34	001	Jul-99	238,556	23,355
30-045-30172	30N	14W	35	N	90	BASIN FRUITLAND COAL	PERF	090		0	0
30-045-30269	30N	14W	35		1	BASIN FRUITLAND COAL	WF FEDERAL 35	001			
30-045-23869	30N	14W	35	N	4	HARPER HILL FR SD PC	AZTEC	004	Jan-93	348,657	23,842
30-045-30835	30N	15W	36	C	4	TWIN MOUNDS FRT SND PC	WF STATE 36	004			4,188
30-045-30069	30N	15W	36	H	2	BASIN FRUITLAND COAL	WF STATE 36	002	May-00	1,506	55,530
30-045-30069	30N	15W	36	H	2	TWIN MOUNDS FRT SND PC	WF STATE 36	002			
30-045-30358	30N	15W	36	N	3	BASIN FRUITLAND COAL	WF STATE 36	003	Mar-02	935	19,290
30-045-30358	30N	15W	36	N	3	TWIN MOUNDS FRT SND PC	WF STATE 36	003			242
30-045-29947	30N	15W	36	P	1	TWIN MOUNDS FRT SND PC	WF STATE 36	001	Dec-01	66	760
											1

Application of Richardson Operating
Co.
Record on Appeal, 1160.