

Appendix 5. Spreadsheet with well names and data for Mesaverde Group, Rulison Field. [API, American Petroleum Institute; bbl, barrels; mcf, thousand cubic feet; mmcf, million cubic feet; ft, feet; F, fractured; A, acidized; Latitude and Longitude data taken from the Colorado Oil & Gas Commission web]

Well Identification				Production Data - First Sample				Production Data - Second Sample				Second Sample / First Sample Ratios			Perforation Data						Location											
API	Lease Name	Well Number	Operator	Year	Months	Oil Average (bbl/day)	Gas Average (mcf/day)	Water Average (bbl/day)	Water-Gas Ratio (bbl/mmcf)	Year	Months	Oil Average (bbl/day)	Gas Average (mcf/day)	Water Average (bbl/day)	Water-Gas Ratio (bbl/mmcf)	Gas	Water	Water-Gas Ratio	Top Perforation Depth (ft)	Bottom Perforation Depth (ft)	Number of Perforations	Number of Intervals	Treatment	Reference Elevation (ft)	Top Perforation Elevation (ft)	Bottom Perforation Elevation (ft)	Perforation Interval (ft)	Section	Township	Range	Latitude	Longitude
05045071940001	BERNKLAU RMV	108-4	BARRETT RES CORP	2000	FebMarApr	2.76	860.77	3.68	4.27	2005	FebMarApr	0.68	255.53	2.56	10.01	0.30	0.70	2.34	5196	6765	--	2	F, A	5787	591	-978	1569	4	7S	94W	39.47335	-107.88877
05045072880000	BERNKLAU RMV	110-33	BARRETT RES CORP	2000	AugSepOct	0.91	785.68	3.82	4.87	2005	AugSepOct	0.22	139.94	1.30	9.28	0.18	0.34	1.91	5676	7353	61	4	F, A	5789	113	-1564	1677	33	6S	94W	39.47706	-107.88993
05045071220000	RMV	201-20	BARRETT RES CORP	1999	AugSepOct	0.79	262.32	2.33	8.90	2004	AugSepOct	0.48	148.00	0.59	4.00	0.56	0.25	0.45	5424	7565	100	5	F, A	5513	89	-2052	2141	20	6S	94W	39.514009	-107.910871
05045069060000	CLOUGH RMV	11-22	BARRETT RES CORP	1997	SepOctNov	1.22	288.45	4.42	15.32	2002	OctNovDec	2.08	176.15	0.53	3.02	0.61	0.12	0.20	5307	7121	39	3	F, A	5242	-65	-1879	1814	22	6S	94W	39.505419	-107.872069
05045071230000	CLOUGH RMV	202-20	BARRETT RES CORP	2000	JanFebMar	0.61	337.27	3.33	9.88	2005	JanFebMar	0.38	165.69	1.32	7.99	0.49	0.40	0.81	5538	6875	60	3	F, A	5432	-106	-1443	1337	20	6S	94W	39.511279	-107.908101
05045073260000	CLOUGH RMV	208-20	BARRETT RES CORP	2001	MayJuneJuly	1.27	590.33	5.60	9.48	2006	MayJuneJuly	0.56	151.86	0.57	3.79	0.26	0.10	0.40	5334	7542	80	5	F, A	5428	94	-2114	2208	20	6S	94W	39.507759	-107.915841
05045069560000	CLOUGH RMV	25-20	BARRETT RES CORP	1998	SepOctNov	1.99	351.76	2.00	5.69	2003	SepOctNov	0.58	135.22	0.94	6.99	0.38	0.47	1.23	5416	6974	60	3	F, A	5383	-33	-1591	1558	20	6S	94W	39.509039	-107.909431
05045068550000	CLOUGH RMV	3-20	BARRETT RES CORP	1998	MayJuneJuly	1.50	460.17	4.33	9.42	2003	MayJuneJuly	0.52	178.27	1.13	6.32	0.39	0.26	0.67	5164	7247	80	4	F, A	5296	132	-1951	2083	20	6S	94W	39.505829	-107.90486
05045069640000	CLOUGH RMV	32-10	BARRETT RES CORP	1997	AugSepOct	0.94	252.70	1.37	5.44	2002	AugSepOct	0.53	125.95	0.47	3.71	0.50	0.34	0.68	5320	7139	80	4	F, A	5331	11	-1808	1819	21	6S	94W	39.508479	-107.90093
05045073100000	CLOUGH RMV	90-20	BARRETT RES CORP	2000	OctNovDec	1.97	563.89	3.98	7.06	2006	FebMarApr	0.54	229.72	1.81	7.89	0.41	0.46	1.12	5430	7660	90	5	F, A	5494	64	-2166	2230	20	6S	94W	39.509869	-107.917901
05045069860000	CLOUGH RMV50-1		BARRETT RES CORP	1999	MarAprMay	0.98	339.53	3.00	8.84	2004	OctNovDec	0.21	130.95	0.28	2.16	0.39	0.09	0.24	6919	8081	61	4	F, A	5795	-1124	-2286	1162	18	6S	94W	39.519879	-107.925481
05045070940000	CLOUGH RMV	65	BARRETT RES CORP	2000	MarAprMay	1.00	406.27	2.15	5.29	2005	JuneJulyAug	0.28	105.02	0.41	3.94	0.26	0.19	0.74	5213	7228	80	4	F	5343	130	-1885	2015	20	6S	94W	39.505929	-107.910531
05045069950000	CLOUGH RMV	54	BARRETT RES CORP	1997	SepOctNov	1.94	423.29	1.35	3.18	2002	SepOctNov	0.47	151.24	0.61	4.02	0.36	0.45	1.26	5287	6863	64	4	F, A	5252	-35	-1611	1576	28	6S	94W	39.501629	-107.89935
05045072950000	CLOUGH RMV	211	BARRETT RES CORP	2001	AprMayJune	0.52	298.50	1.09	3.65	2006	AprMayJune	0.14	102.03	0.66	6.46	0.34	0.61	1.77	5208	7247	--	5	F, A	5351	143	-1896	2039	20	6S	94W	39.507319	-107.907891
05045069040000	CLOUGH RMV	10	BARRETT RES CORP	1997	OctNovDec	0.98	207.65	1.34	6.43	2003	MayJuneJuly	0.41	124.83	3.73	29.89	0.60	2.79	4.65	5798	7412	57	3	F, A	5648	-150	-1764	1614	22	6S	94W	39.512969	-107.8772
05045070010000	CLOUGH	2-A	BARRETT RES CORP	1998	OctNovDec	1.07	212.52	2.00	9.41	2004	OctNovDec	--	93.96	0.28	3.01	0.44	0.14	0.32	5213	7146	67	4	F, A	5282	69	-1864	1933	21	6S	94W	39.505329	-107.89751
05045065570002	MEAD	24-14	BONNEVILLE FUELS	1997	SepOctNov	--	124.69	2.06	16.54	2002	SepOctNov	--	101.87	1.10	10.80	0.82	0.53	0.65	5990	7097	37	2	F, A	5735	-255	-1362	1107	24	6S	94W	39.507129	-107.841989
05045069120001	KEPHART FED 2-15	15	GASCO INCORPORATED	1997	MarAprMay	15.53	1694.76	16.31	9.63	2002	MarAprMay	0.56	118.49	0.62	5.20	0.07	0.04	0.54	5970	6484	--	2	F	6422	452	-62	514	2	7S	94W	39.46222	-107.85161
05045071700000	HUGGARD	2-13	BROWN TOM INC	2002	MarAprMay	0.46	160.47	1.44	8.96	2005	FebMarApr	0.79	135.89	0.78	5.72	0.85	0.54	0.64	5386	6904	--	7	F	5888	502	-1016	1518	2	7S	94W	39.47243	-107.85372
05045070640000	HAMILL	28	BARRETT RES CORP	1999	JanFebMar	1.45	413.98	1.17	2.82	2004	JanFebMar	0.75	168.84	2.52	14.91	0.41	2.16	5.29	4692	6827	100	5	F, A	5311	619	-1516	2135	27	6S	94W	39.49015	-107.872479
05045071810000	FUSILIER	2-11	BROWN TOM INC	2000	JanFebMar	0.54	154.97	1.88	12.13	2005	JanFebMar	0.40	95.02	1.00	10.52	0.61	0.53	0.87	5472	7184	63	3	F	5885	413	-1299	1712	2	7S	94W	39.47266	-107.86122
05045066690001	FED J-1-7-94-S	1	FUEL RESRCS DEV CO	1997	AprMayJune	5.14	662.55	7.83	11.82	2002	AprMayJune	0.341	112.803	1.24	10.99	0.17	0.16	0.93	6767	7198	--	2	F	6897	130	-301	431	1	7S	94W	39.46597	-107.83282
05045068180000	YOUBERG	11	BARRETT RES CORP	1998	SepOctNov	3.21	800.23	1.67	2.08	2003	SepOctNov	0.77	391.19	1.43	3.65	0.49	0.86	1.75	7016	8594	62	3	F, A	7180	164	-1414	1578	7	7S	93W	39.45965	-107.824218
05045067210001	WINCH GV-9-33	9	BARRETT RES CORP	1994	JulyAugSep	2.71	823.90	7.03	8.54	1999	JulyAugSep	0.36	275.91	1.17	4.25	0.33	0.17	0.50	5044	6797	--	4	F, A	5333	289	-1464	1753	33	6S	94W	39.48519	-107.88722
05045072400000	VASSAR HEATH	44	BARRETT RES CORP	2000	JulyAugSep	0.68	298.78	2.51	8.40	2005	AprMayJune	0.22	171.51	1.77	10.30	0.57	0.70	1.23	5295	7025	64	4	F, A	5331	36	-1694	1730	28	6S	94W	39.490139	-107.88513
05045069610000	SAVAGE RMV	37	BARRETT RES CORP	1999	AprMayJune	0.88	340.50	1.00	2.94	2004	AprMayJune	0.54	110.94	1.39	12.51	0.33	1.39	4.26	5145	7076	80	4	F, A	5442	297	-1634	1931	33	6S	94W	39.487929	-107.8912
05045069230001	SAVAGE FEDERAL 1-3	3	GASCO INCORPORATED	1997	MarAprMay	7.45	1992.07	13.28	6.67	2002	OctNovDec	1.40	299.83	1.52	5.07	0.15	0.11	0.76	6002	6762	36	2	F	6499	497	-263	760	1	7S	94W	39.47261	-107.83866
05045072470000	SAVAGE	98	BARRETT RES CORP	2000	SepOctNov	0.75	266.67	1.96	7.36	2005	SepOctNov	--	98.78	0.96	9.75	0.37	0.49	1.32	5108	6935	96	5	F, A	5314	206	-1621	1827	28	6S	94W	39.496529	-107.89874
05045072120000	SAVAGE	31	BROWN TOM INC	2005	SepOctNov	1.46	172.49	0.75	4.33	2000	SepOctNov	0.88	246.51	1.43	5.80	1.43	1.92	1.34	5498	7762	42	3	F	6531	1033	-1231	2264	1	7S	94W	39.46752	-107.84128
05045072840000	SAVAGE	105	BARRETT RES CORP	2001	MayJuneJuly	1.05	472.08	4.13	8.74	2006	MayJuneJuly	0.16	111.21	7.04	63.30	0.24	1.71	7.24	5109	7460	90	6	F, A	5530	421	-1930	2351	33	6S	94W	39.48302	-107.89047
05045072480000	SAVAGE	101	BARRETT RES CORP	2000	SepOctNov	0.85	278.25	2.21	7.94	2005	SepOctNov	0.32	153.24	0.93	6.05	0.55	0.42	0.76	5384	7096	90	5	F, A	5313	-71	-1783	1712	28	6S	94W	39.496519	-107.89885
05045067990000	RU-31-12V YOUBERG	31	BARRETT RES CORP	2000	SepOctNov	0.82	207.69	0.56	2.67	2005	SepOctNov	0.81	93.41	0.40	4.28	0.45	0.72	1.60	6990	7061	--	1	F, A	7127	137	66	71	12	7S	94W	39.45881	-107.832438

EXPLANATION

Lease Name, Well Number, Latitude, and Longitude from Colorado Oil and Gas Conservation Commission
 Production data derived from data provided by IHS Energy
 Perforation data from IHS Energy

STATISTICS

minimum	0.46	124.69	0.56	2.08	0.14	93.41	0.28	2.16	0.07	0.04	0.20
maximum	15.53	1992.07	16.31	16.54	2.08	391.19	7.04	63.30	1.43	2.79	7.24
median	1.05	340.02	2.18	7.65	0.52	137.91	1.05	6.19	0.40	0.45	0.90
geometric mean	--	382.39	2.53	6.61	--	148.13	1.01	6.81	0.39	0.40	1.03
arithmetic mean	2.05	484.									