Appendix 3. Spreadsheet with well names and data for Mesaverde Group, Grand Valley Field.

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
05045066220000	ARCO	GV 22-29	BARRETT ENERGY CO	2000	FebMarApr	--	176.27	2.89	16.39	2005	AprMayJune	--	107.45	4.08	37.99	0.61	1.41	2.32	5612	6463	43	2	F, A	5480	-132	-983	851	29	6S	96W	39.492778	-108.127187
05045065170001	ARCO	MV 9-32	BARRETT RES CORP	1995	MarAprMay	--	522.85	4.08	7.80	2000	MarAprMay	--	242.80	2.44	10.03	0.46	0.60	1.29	4690	6494	115	6	F, A	5747	1057	-747	1804	32	6S	96W	39.479888	-108.133307
05045066200001	BARRETT	GV 19-36	BARRETT RES CORP	2000	MarAprMay	--	167.23	2.00	11.96	2005	MarAprMay	--	127.07	6.58	51.76	0.76	3.29	4.33	4964	6776	101	3	F, A	5500	536	-1276	1812	36	6S	96W	39.477529	-108.064335
05045072430000	BOSELY	SG 43-22	BARRETT RES CORP	2000	MayJuneJuly	--	132.09	3.38	25.57	2005	MayJuneJuly	--	127.54	6.01	47.15	0.97	1.78	1.84	3595	4996	90	5	F, A	5137	1542	141	1401	22	7S	96W	39.420559	-108.088995
05045068220000	CHEVRON	MV 55-29	BARRETT RES CORP	1997	MayJuneJuly	0.33	161.31	0.58	3.62	2002	MayJuneJuly	--	82.78	0.34	4.07	0.51	0.58	1.13	5034	6342	56	4	F, A	5721	687	-621	1308	29	6S	96W	39.499818	-108.134657
05045065780001	CHEVRON	MV 24-20	BARRETT RES CORP	2000	FebMarApr	--	181.81	1.50	8.25	2004	JulyAugSep	--	185.41	1.29	6.98	1.02	0.86	0.85	4578	6725	149	5	F, A	5629	1051	-1096	2147	20	6S	96W	39.511068	-108.135027
05045069870000	FEDERAL DOE	1-M-25	BARRETT RES CORP	1997	JulyAugSep	0.43	211.39	1.05	4.97	2002	AugSepOct	--	124.20	1.16	9.33	0.59	1.10	1.88	5728	7125	51	3	F, A	6182	454	-943	1397	25	6S	96W	39.488628	-108.063945
05045065640001	FEDERAL	MV 10-23	BARRETT ENERGY CO	1996	Jan - Jun	--	164.01	1.71	10.44	2001	Jan - Jun	--	248.68	4.43	17.81	1.52	2.59	1.71	5344	7410	107	8	F, A	5904	560	-1506	2066	23	6S	96W	39.506388	-108.082666
05045071330000	RMV	13-34	BARRETT RES CORP	1999	SepOctNov	--	203.77	1.19	5.86	2005	JanFebMar	--	76.78	0.66	8.60	0.38	0.55	1.47	4687	6292	164	4	F, A	5399	712	-893	1605	34	6S	96W	39.478898	-108.100796
05045069890000	FEDERAL DOE	2-M-35	BARRETT RES CORP	1998	JulyAugSep	0.53	306.52	4.67	15.22	2003	JulyAugSep	--	171.80	1.51	8.76	0.56	0.32	0.58	5316	7014	64	4	F, A	5481	165	-1533	1698	35	6S	96W	39.478808	-108.082496
05045068020001	FEDERAL	GR 21-3 V	BARRETT RES CORP	1997	AprMayJune	0.44	396.90	6.00	15.12	2002	AprMayJune	--	216.80	9.02	41.59	0.55	1.50	2.75	4420	5957	58	6	F, A	5495	1075	-462	1537	3	7S	96W	39.47155	-108.099913
05045068010001	FEDERAL	GR 43-3 V	BARRETT RES CORP	1997	AprMayJune	--	306.27	3.00	9.80	2002	AprMayJune	--	179.95	2.19	12.17	0.59	0.73	1.24	4620	6029	--	6	F, A	5465	845	-564	1409	3	7S	96W	39.464379	-108.088456
05045068200000	PUCKETT	MV 60-8D	BARRETT RES CORP	1998	JulyAugSep	--	211.93	2.33	11.01	2003	JulyAugSep	--	153.81	3.48	22.63	0.73	1.49	2.06	5107	6551	56	4	F, A	6221	1114	-330	1444	8	7S	96W	39.453999	-108.131147
05045066150001	FEDERAL	MV 8-4	BARRETT RES CORP	1994	FebMarApr	0.43	581.90	6.26	10.75	1998	SepOctNov	--	375.23	2.67	7.11	0.64	0.43	0.66	5281	6689	72	4	F, A	6063	782	-626	1408	4	7S	96W	39.463289	-108.107946
05045070560000	UNOCAL	GM 13-1	BARRETT RES CORP	1999	SepOctNov	--	235.50	2.00	8.49	2004	SepOctNov	--	140.35	1.56	11.08	0.60	0.78	1.31	4947	6566	68	4	F, A	5542	595	-1024	1619	1	7S	96W	39.465569	-108.064835
05045070470000	UNOCAL	GM 14-2	BARRETT RES CORP	1999	JulyAugSep	0.20	317.84	2.00	6.29	2004	OctNovDec	--	126.89	1.04	8.18	0.40	0.52	1.30	4570	6076	64	4	F, A	5454	884	-622	1506	2	7S	96W	39.461229	-108.085265
05045068240000	CHEVRON	GR 41-20	BARRETT RES CORP	1996	AugSepOct	1.15	334.87	0.77	2.30	2001	AugSepOct	--	125.63	1.68	13.41	0.38	2.19	5.83	4386	6108	42	3	F, A	5557	1171	-551	1722	20	6S	96W	39.514928	-108.127597
05045066190001	UNION	GV 5-33	BARRETT ENERGY CO	2000	FebMarApr	--	215.04	2.33	10.85	2005	FebMarApr	--	108.73	0.87	7.96	0.51	0.37	0.73	4725	6328	91	3	F, A	5423	698	-905	1603	33	6S	96W	39.478538	-108.109786
05045065390002	MOBIL	MV 23-27	BARRETT ENERGY CO	1997	MayJuneJuly	--	327.46	2.82	8.62	2002	AprMayJune	--	122.22	3.30	27.01	0.37	1.17	3.13	5718	7065	72	4	F, A	5783	65	-1282	1347	27	6S	96W	39.500258	-108.087386
05045067870000	OXY USA INC	MV 28-4	BARRETT RES CORP	1995	SepOctNov	--	366.51	0.89	2.43	2000	SepOctNov	--	160.06	1.73	10.79	0.44	1.94	4.45	4571	6019	--	5	F, A	5689	1118	-330	1448	4	7S	96W	39.467758	-108.117577
05045068060000	PUCKETT	MV 53-28	BARRETT RES CORP	1996	SepOctNov	0.78	282.40	0.84	2.97	2001	SepOctNov	--	184.44	0.88	4.76	0.65	1.05	1.60	5187	6357	57	4	F, A	5570	383	-787	1170	28	6S	96W	39.498148	-108.120887
05045071890000	UNOCAL	GR 1-33R	BARRETT RES CORP	2001	FebMarApr	--	205.76	3.35	16.26	2006	AprMayJune	--	118.74	2.11	17.78	0.58	0.63	1.09	4656	6218	52	3	F, A	5422	766	-796	1562	33	6S	96W	39.481658	-108.112526
05045068390000	UNOCAL	GR 14-28	BARRETT RES CORP	1996	SepOctNov	0.45	695.08	1.61	2.32	2001	SepOctNov	--	250.91	2.29	9.14	0.36	1.42	3.94	4797	6186	57	4	F, A	5480	683	-706	1389	28	6S	96W	39.489328	-108.121587
05045071280000	UNOCAL	GM 33-2	BARRETT RES CORP	2000	AprMayJune	--	161.51	5.17	31.99	2005	AprMayJune	--	120.21	5.16	42.97	0.74	1.00	1.34	4482	6101	80	4	F, A	5216	734	-885	1619	2	7S	96W	39.464519	-108.074065
05045070500000	UNOCAL	GM 34-2	BARRETT RES CORP	1998	JulyAugSep	0.18	521.80	6.67	12.78	2003	JulyAugSep	--	114.86	3.65	31.77	0.22	0.55	2.49	4362	6054	61	4	F, A	5251	889	-803	1692	2	7S	96W	39.461119	-108.074945
05045068080000	UNOCAL	MV 40-32	BARRETT RES CORP	1997	FebMarApr	--	322.38	1.00	3.10	2002	FebMarApr	--	129.76	1.37	10.56	0.40	1.37	3.40	4910	6277	60	4	F, A	5554	644	-723	1367	32	6S	96W	39.486018	-108.125037
05045071250000	UNOCAL	GM 202-33	BARRETT RES CORP	1999	MarAprMay	0.24	289.13	2.00	6.92	2004	MarAprMay	--	71.81	0.48	6.68	0.25	0.24	0.97	4571	6230	146	4	F, A	5404	833	-826	1659	33	6S	96W	39.476618	-108.107166

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	132.09	0.58	2.30	71.81	0.34	4.07	0.22	0.24	0.58	3595.00	4996.00	
maximum	695.08	6.67	31.99	375.23	9.02	51.76	1.52	3.29	5.83	5728.00	7410.00	
median	282.40	2.00	8.62	127.54	2.11	10.79	0.56	1.00	1.60	4725.00	6328.00	
geometric mean	268.92	2.16	8.02	144.32	1.99	13.77	0.54	0.92	1.72	4823.93	6369.84	
arithmetic mean	296.28	2.67	10.08	155.37	2.67	18.08	0.58	1.13	2.06	4846.59	6386.96	
standard deviation	142.54	1.76	6.97	66.09	2.10	14.41	0.27	0.74	1.34	472.68	470.22	
count	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	
minimum	132.09			71.81								
1st quartile	192.79			119.48								
median	282.40			127.54								
3rd quartile	331.16			182.20								
maximum	695.08			375.23								