

Merit Energy Company
A - Ridge Surface Commingle

Exhibit C
Gas Volumes and BTU Content

Merit Energy Company

A-Ridge Surface Commingle

Lease Name	Well No.	Reservoir	MCFD	BTU/CF	BOPD
Jicarilla A	4	Pictured Cliffs	35	1216	
Jicarilla A	5	Pictured Cliffs	39	1205	
Jicarilla A	6	Pictured Cliffs	24	1215	
Jicarilla A	7	Pictured Cliffs	48	1221	
Jicarilla A	10E	Mesaverde	134	1230	0.71
Jicarilla A	10E	Dakota	8	1322	
Jicarilla A	11	Gallup	151	1338	
Jicarilla A	11	Dakota	104	1293	
Jicarilla A	12	Gallup	491	1336	4.77
Jicarilla A	12	Dakota	59	1304	0.71
Jicarilla A	13E	Mesaverde	145	1220	
Jicarilla A	13E	Dakota	142	1297	
Jicarilla A	14	Mesaverde	18	1223	0.23
Jicarilla A	14	Gallup	10	1261	
Jicarilla A	18	Pictured Cliffs	50	1216	
Jicarilla A	19	Pictured Cliffs	50	1230	
Jicarilla A	22A	Pictured Cliffs	36	1239	
Jicarilla A	22A	Mesaverde	50	1219	
Jicarilla A	22Y	Mesaverde	87	1230	0.47
Jicarilla A	22Y	Gallup	91	1324	0.71
Jicarilla B	8A	Mesaverde	64	1231	
Jicarilla B	8A	Dakota	53	1305	0.71

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Bloomfield, NM
CERTIFICATE OF ANALYSIS
for 05/94

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Meter ID: 107015
Meter Name: JICARILLA A
Operator: MERIT ENERGY CORPORATION
Analysis Source:

0006

Pictured Cliffs

Analysis ID: 116299
Effective Date: 05/12/94

Analyzed By: GCNM
Analyzed Date: 05/13/94

Sampled By: TDR
Sampled Date: 05/13/94

Component	Mol %	GPM
CO2	0.2500	
N2	0.3500	
Methane	84.5300	
Ethane	7.5200	2.011
Propane	4.2800	1.178
I-butane	0.8200	0.268
N-butane	1.0500	0.332
I-pentane	0.3400	0.124
N-pentane	0.2400	0.088
Hexanes (C6+)	0.6200	0.242
TOTAL	100.0000	4.243

Calculation Parameters:

Sample Gravity: 0.6916

Dry BTU @ 14.730: 1215

Remark:

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for 05/94

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Meter ID: 109416
Meter Name: JICARILLA A
Operator: MERIT ENERGY CORPORATION
Analysis Source:

Y022 Mesaverde

Analysis ID: 116289
Effective Date: 05/12/94

Analyzed By: GCNM
Analyzed Date: 05/13/94

Sampled By: TDR
Sampled Date: 05/13/94

Component	Mol %	GPM
CO2	0.6800	
N2	0.2300	
Methane	81.8900	
Ethane	9.9500	2.662
Propane	4.1300	1.138
I-butane	0.7700	0.253
N-butane	1.0900	0.345
I-pentane	0.4000	0.148
N-pentane	0.3000	0.110
Hexanes (C6+)	0.5500	0.213
TOTAL	99.9900	4.869

Calculation Parameters:

Sample Gravity: 0.7063

Dry BTU @ 14.730: 1230

Remarks:

Gas Company of New Mexico
Bloomfield, NM
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for 05/94

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Meter ID: 108612
Meter Name: JICARILLA A 0012
Operator: MERIT ENERGY CORPORATION
Analysis Source:

Dakota

Analysis ID: 116241
Effective Date: 05/10/94

Analyzed By: GCNM
Analyzed Date: 05/11/94

Sampled By:
Sampled Date: 05/10/94

Component	Mol %	GPM
CO2	0.9000	
N2	0.3000	
Methane	75.2100	
Ethane	13.6000	3.637
Propane	5.9300	1.634
I-butane	0.9000	0.295
N-butane	1.7200	0.544
I-pentane	0.5700	0.208
N-pentane	0.4200	0.151
Hexanes (C6+)	0.4500	0.177
TOTAL	100.0000	6.646

Calculation Parameters:

Sample Gravity: 0.7584

Dry BTU @ 14.730: 1304

Remark:

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for 05/94

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Meter ID: 108995
Meter Name: JICARILLA A 0012 Gallup
Operator: MERIT ENERGY CORPORATION
Analysis Source:

Analysis ID: 116246
Effective Date: 05/10/94

Analyzed By: GCNM
Analyzed Date: 05/11/94

Sampled By:
Sampled Date: 05/10/94

Component	Mol %	GPM
CO2	0.7400	
N2	0.4800	
Methane	73.0400	
Ethane	14.3400	3.836
Propane	6.9200	1.908
I-butane	0.9000	0.294
N-butane	1.9800	0.625
I-pentane	0.5600	0.203
N-pentane	0.5200	0.189
Hexanes (C6+)	0.5200	0.202
TOTAL	100.0000	7.257

Calculation Parameters:

Sample Gravity: 0.7782 Dry BTU @ 14.730: 1336

Remark:

RUN BY : KAREN EWING USERID
JOB ACCT : GCN23041
STEP NAME : NATBATCH
JOB NAME : #GCU130

GAS COMPANY OF NEW MEXICO
GAS INFORMATION MANAGEMENT SYSTEM
VOLUME ALLOCATION
METER SHRINKAGE REPORT BY OPERATOR

RUN DATE: 01/16/95
RUN TIME: 09:09:37
PROGRAM : GCN23041
JOB ID : JOBO0510
PAGE : 99

OPERATOR: 99896 MERIT ENERGY CO.

CO.: GCNM PLANT RESIDUE: 1040 BTU/CF FOR CALENDAR MO.: 02/95

MINIMUM SHRINK---+
DEFAULT MCDF----+ |

NUM FAC	NAME FACILITY	GATH SYS	MCDF	BTU CF	MMBTU WELLHD	MMBTU FUEL	MMBTU SHRINK	MMBTU RESIDUE	V D
107013	JICARILLA A	742	35	1216	42	2	10	30	
107014	JICARILLA A	742	39	1205	46	2	10	34	
107015	JICARILLA A	742	24	1215	29	1	7	21	
107016	JICARILLA A	742	48	1221	58	2	14	42	
107017	JICARILLA B	742	42	1270	52	2	15	35	
107018	JICARILLA B	742	18	1169	21	1	4	16	
107019	JICARILLA B	742	200	1215	239	10	55	174	D
107020	JICARILLA C	742	35	1225	42	2	10	30	
107021	JICARILLA D	742	9	1252	11	1	3	8	
107022	JICARILLA D	742	24	1224	29	1	7	21	
107023	JICARILLA D	742	44	1232	53	2	13	38	
107024	JICARILLA D	742	23	1237	28	1	7	20	
107025	JICARILLA D	742	6	1252	7	2	2	5	
107026	JICARILLA D	742	39	1254	48	2	13	33	
107027	JICARILLA D	742	1	1254	1	1	5	1	
107028	JICARILLA E	742	22	1173	25	1	5	20	
107029	JICARILLA E	742	23	1175	27	1	5	21	
107030	JICARILLA E	742	11	1218	13	1	3	10	
107031	JICARILLA E	742	64	1185	75	3	14	57	
107033	JICARILLA E	742	889	1322	1155	46	398	711	
107047	JICARILLA K	742	11	1231	13	1	3	9	
107048	JICARILLA K	742	8	1209	10	1	2	7	
107049	JICARILLA K	742	29	1225	35	1	8	25	
107050	JICARILLA K	742	66	1249	81	3	22	56	
107051	JICARILLA K	742	260	1241	317	13	83	221	
107052	JICARILLA K	742	47	1240	57	2	15	40	
107053	JICARILLA K	742	20	1224	24	1	6	17	
107054	JICARILLA K	742	9	1250	11	1	3	8	
107071	JICARILLA B	742	3	1204	4	4	1	3	
107108	JICARILLA E	742	5	1290	6	2	2	4	
107112	JICARILLA E	742	200	1000	197	8	4	185	D M
107113	JICARILLA E	742	323	1304	414	17	136	262	
107114	JICARILLA A	742	101	1323	131	5	45	81	
107115	JICARILLA E	742	9	1290	11	2	4	7	
107116	JICARILLA E	742	46	1310	59	2	20	37	
107120	JICARILLA A	742	46	1330	60	2	21	37	
107123	JICARILLA A	742	151	1338	199	8	71	119	
107124	JICARILLA A	742	21	1219	25	1	6	18	
107125	JICARILLA A	742	36	1214	43	2	10	31	
107126	JICARILLA A	742	104	1293	132	5	42	85	
107127	JICARILLA E	742	82	1191	96	4	19	73	
107128	JICARILLA E	742	230	1206	273	11	60	202	
107135	JICARILLA K	742	67	1205	79	3	17	59	
107138	JICARILLA K	742	87	1230	105	4	26	75	
107139	JICARILLA K	742	141	1234	171	7	43	121	
107140	JICARILLA K	742	65	1210	77	3	17	57	
107144	JICARILLA K	742	34	1254	42	2	12	29	
107155	JICARILLA K	742	106	1228	128	5	32	91	

RUN BY : KAREN EWING USERID
REPORT ID: GCN23041
JOB ACCT : 92100020100000000548052
STEP NAME: NATBATCH
JOB NAME : #GCU130

GAS COMPANY OF NEW MEXICO
GAS INFORMATION MANAGEMENT SYSTEM
VOLUME ALLOCATION
METER SHRINKAGE REPORT BY OPERATOR

RUN DATE: 01/16/95
RUN TIME: 09:09:37
PROGRAM : GCN23041
JOB ID : JDB00510
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MINIMUM SHRINK---+
DEFAULT MCFD---+ |

CO.: GCNM PLANT RESIDUE: 1040 BTU/CF FOR CALENDAR MO.: 02/95

NUM FAC	NAME FACILITY	GATH SYS	MCFD	BTU CF	MMBTU WELLHD	MMBTU FUEL	MMBTU SHRINK	MMBTU RESIDUE	V V	D M
103472	JICARILLA B	742	50	1243	61	2	16	43		
103477	JICARILLA B	742	200	1000	197	8	4	185		D M
103481	JICARILLA B	742	2	1259	2		1	2		
103486	NEWSOM	755	54	1200	64	3	14	48		
103489	HODGES	755	26	1182	30	1	6	23		
104952	NICKSON	755	13	1187	15	1	3	12		
105332	A RIDGE CDP	742	1961	1275	2457	98	733	1625		
105335	JICARILLA K	742	189	1174	218	9	39	170		
105339	JICARILLA K	742	338	1177	391	16	72	303		
105340	NICKSON	755	53	1292	67	3	21	43		
105375	JICARILLA E	742	290	1291	368	15	116	237		
105377	JICARILLA E	742	445	1316	575	23	195	357		
105383	JICARILLA A	742	321	1235	390	16	99	275		
105392	JICARILLA E	742	401	1221	481	19	115	347		
105763	NICKSON	755	60	1093	64	3	4	58		
105765	HODGES	755	53	1189	62	2	12	47		
105767	HODGES	755	38	1141	43	2	6	35		
105768	HODGES	755	45	1175	52	2	9	40		
105772	JICARILLA A	742	142	1297	181	7	58	116		
105773	JICARILLA A	742	145	1220	174	7	41	126		
105774	JICARILLA A	742	8	1322	10		4	6		
105775	JICARILLA A	742	134	1230	162	6	40	115		D
106005	FOSTER	755	85	1090	91	4	5	82		
106007	HODGES	755	200	1196	235	9	49	177		
106009	HODGES	755	11	1181	13	1	10	2		
106010	HODGES	755	29	1204	34	1	7	25		
106011	HODGES	755	58	1167	67	3	11	53		
106024	NEWSOM	755	34	1179	39	2	7	30		
106025	NEWSOM	755	29	1188	34	1	7	26		
106026	NEWSOM	755	11	1221	13	1	10	10		
106028	NEWSOM	755	2	1197	2		3	2		
106029	NEWSOM	755	29	1190	34	1	7	26		
106030	NEWSOM	755	30	1183	35	1	7	27		
106031	NEWSOM	755	4	1194	5		1	4		
106034	NEWSOM	755	47	1188	55	2	11	42		
106035	NEWSOM	755	27	1187	31	1	6	24		
106043	NICKSON	755	35	1159	40	2	6	32		
106044	NICKSON	755	25	1149	28	1	4	23		
106045	NICKSON	755	17	1186	20	1	4	15		
106046	NICKSON	755	10	1123	11		1	9		
106047	NICKSON	755	41	1103	44	2	3	39		
106048	NICKSON	755	13	1170	15	1	3	12		
106049	NICKSON	755	13	1183	15	1	3	12		
106050	NICKSON	755	32	1188	37	1	7	28		
106052	RUTHVEN	755	23	1194	27	1	6	20		
106115	FOSTER	755	24	1186	28	1	5	21		
107011	JICARILLA A	742	29	1215	35	1	8	25		
107012	JICARILLA A	742	12	1209	14	1	3	10		

RUN BY : KAREN EWING USERID
REPORT ID : GCN23041
JOB ACCT : 92100020100000000548052
STEP NAME: NATBATCH
JOB NAME : #GCU130

GAS COMPANY OF NEW MEXICO
GAS INFORMATION MANAGEMENT SYSTEM
VOLUME ALLOCATION
METER SHRINKAGE REPORT BY OPERATOR

RUN DATE: 01/16/95
RUN TIME: 09:09:37
PROGRAM : GCN23041
JOB ID : J0B00510
PAGE : 100

OPERATOR: 99896 MERIT ENERGY CO.

CO.: GCNM PLANT RESIDUE: 1040 BTU/CF FOR CALENDAR MO.: 02/95

MINIMUM SHRINK---+
DEFAULT MCFD---+ |

NUM FAC	NAME FACILITY	GATH SYS	MCFD	BTU CF	MMBTU WELLHD	MMBTU FUEL	MMBTU SHRINK	MMBTU RESIDUE	V D
107156	JICARILLA K	742	38	1174	44	2	8	34	
107157	JICARILLA K	742	200	1164	229	9	38	182	D
107158	JICARILLA A	742	39	1232	47	2	12	33	
107159	JICARILLA K	742	22	1217	26	1	6	19	
107160	JICARILLA K	742	12	1182	14	1	3	11	
107161	JICARILLA K	742	44	1249	54	2	15	37	
108608	JICARILLA K	742	43	1259	53	2	15	36	
108612	JICARILLA A	742	491	1304	629	25	206	398	
108866	JICARILLA D	742	12	1226	14	1	4	10	
108881	JICARILLA B	742	23	1236	28	1	7	20	
108883	JICARILLA D	742	28	1203	33	1	7	25	
108911	JICARILLA D	742	17	1242	21	1	5	14	
108920	JICARILLA A	742	27	1320	35	1	12	22	
108993	JICARILLA K	742	200	1197	235	9	49	177	D
108994	JICARILLA K	742	71	1248	87	3	23	60	
108995	JICARILLA A	742	59	1336	77	3	28	47	
108996	JICARILLA A	742	44	1322	57	2	20	35	
108999	JICARILLA K	742	87	1209	103	4	23	76	
109149	JICARILLA B	742	11	1279	14	1	4	9	
109216	JICARILLA K	742	87	1308	112	4	37	70	
109240	JICARILLA E	742	12	1234	15	1	4	10	
109281	JICARILLA K	742	119	1246	146	6	39	101	
109399	JICARILLA E	742	6	1308	8	11	3	5	
109400	JICARILLA E	742	219	1300	280	11	91	178	
109415	JICARILLA A	742	91	1324	118	5	41	73	
109416	JICARILLA A	742	87	1230	105	4	26	75	
109577	JICARILLA K	742	229	1248	281	11	76	194	
109578	JICARILLA D	742	73	1227	88	4	22	63	
109579	JICARILLA B	742	36	1246	44	2	12	31	
109601	JICARILLA D	742	129	1227	156	6	38	111	
109606	JICARILLA K	742	2	1245	2	2	1	2	

[Handwritten signature]

RUN BY : KAREN EWING USERID
JOB ID : GCN23041
REPORT ACCT : 92100020100000000548052
STEP NAME : NATBATCH
JOB NAME : #GCU130

GAS COMPANY OF NEW MEXICO
GAS INFORMATION MANAGEMENT SYSTEM
VOLUME ALLOCATION
METER SHRINKAGE REPORT BY OPERATOR

RUN DATE: 01/16/95
RUN TIME: 09:09:37
PROGRAM : GCN23041
JOB ID : J0800510
PAGE : 97

OPERATOR: 99896 MERIT ENERGY CO.

CO.: GCNM PLANT RESIDUE: 1040 BTU/CF FOR CALENDAR MO.: 02/95

NUM FAC	NAME FACILITY	GATH SYS	MCFD	BTU CF	MMBTU WELLHD	MMBTU FUEL	MMBTU SHRINK	MMBTU RESIDUE	V	D
102954	JICARILLA K	742	25	1165	29	1	5	23		
102955	JICARILLA K	742	78	1248	96	4	26	66		
102956	JICARILLA D	742	63	1229	76	3	19	54		
102957	JICARILLA D	742	60	1200	71	3	15	53		
103011	JICARILLA D	742	41	1226	49	2	12	35		
103012	JICARILLA A	742	18	1223	22	1	5	16		
103013	JICARILLA A	742	10	1261	12		4	8		
103015	JICARILLA D	742	52	1221	62	2	15	45		
103016	JICARILLA D	742	21	1202	25	1	5	18		
103017	JICARILLA A	742	49	1220	59	2	14	42		
103018	JICARILLA A	742	84	1226	101	4	25	72		
103051	JICARILLA A	742	32	1221	38	2	9	28		
103054	JICARILLA A	742	50	1216	60	2	14	43		
103055	JICARILLA A	742	55	1230	66	3	17	47		
103056	JICARILLA D	742	41	1244	50	2	13	35		
103057	JICARILLA D	742	26	1246	32	1	9	22		
103058	JICARILLA D	742	45	1205	53	2	12	39		
103066	JICARILLA A	742	17	1210	20	1	5	15		
103104	JICARILLA E	742	106	1196	125	5	26	94		
103130	FEDERAL 12 COM	556	200	1048	206	4	23	75		D
103183	JICARILLA C	742	86	1210	102	5	26	90		
103184	JICARILLA C	742	102	1203	121	4	22	71		
103278	JICARILLA B	742	81	1211	96	1	7	21		
103281	JICARILLA K	742	25	1229	30		2	5		
103290	JICARILLA B	742	6	1206	7	2	14	40		
103291	JICARILLA B	742	47	1232	57	1	4	12		
103298	JICARILLA B	742	14	1211	17	3	14	46		
103304	JICARILLA E	742	53	1211	63	12	63	231		
103313	JICARILLA E	742	261	1193	306	1	8	23		
103314	JICARILLA K	742	27	1225	33	2	11	42		
103315	JICARILLA A	742	47	1191	55	2	11	25		
103316	JICARILLA C	742	30	1263	37	1	11	26		
103319	JICARILLA A	742	30	1236	36	3	9	26		
103349	JICARILLA D	742	63	1241	77	2	20	54		
103369	JICARILLA E	742	39	1240	48	2	12	33		
103373	JICARILLA E	742	543	1276	681	27	204	450		
103394	JICARILLA B	742	64	1231	77	3	19	55		
103395	JICARILLA B	742	53	1305	68	3	22	43		
103400	JICARILLA E	742	98	1227	118	5	29	84		
103408	JICARILLA A	742	124	1208	147	6	33	108		
103410	JICARILLA E	742	17	1226	20	1	5	15		
103416	JICARILLA C	742	200	1171	230	9	40	180		D
103420	JICARILLA K	742	30	1217	36	1	8	26		
103442	JICARILLA D	742	86	1219	103	4	24	75		
103447	JICARILLA D	742	69	1223	83	3	20	60		
103460	JICARILLA D	742	59	1215	70	3	16	51		
103464	JICARILLA A	742	36	1239	44	2	11	31		
103465	JICARILLA A	742	50	1219	60	2	14	43		