

AMEND PLC
108

10/19/99



Yolanda Perez
Regulatory Analyst
EPNA - Gulf Region
Lobo/San Juan Asset Unit

Conoco Inc.
P.O. Box 2197 - DU3066
Houston, TX 77252
(281) 293-1613

September 28, 1999

SEP 29 1999

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

RE: Amendment to Application to add wells to PLC - 108

Dear Mr. Ashley,

Conoco has received your approval, dated August 17, 1999, on our previously filed application to add wells to the above mentioned PLC. We inadvertently left off the Jicarilla "A" Well No. 8M. The interest in this well, like the other wells, is identical including working, net revenue and over riding royalty interests. Attached please find the plat with the subject well identified, gas volume statement and BTU content.

If you have any questions or require any further information please feel free to contact me at (281) 293-1613.

Sincerely,

Yolanda Perez
Regulatory Analyst

A handwritten signature in cursive script that reads "Yolanda Perez".

Attachments

WELLS ALREADY INCLUDED IN PLC

<i>Well Name & No</i>	<i>Location</i>	<i>Pool(s)</i>
Jicarilla "A" No. 4	N-13-26N-4W	PC
Jicarilla "A" No. 5	A-23-26N-4W	PC
Jicarilla "A" No. 6	K-24-26N-4W	PC
Jicarilla "A" No. 7	B-24-26N-4W	PC
Jicarilla "A" No. 11	J-14-26N-4W	GP/DK/MV
Jicarilla "A" No. 12	D-24-26N-4W	GP/DK
Jicarilla "A" No. 14	A-24-26N-4W	MV/GP
Jicarilla "A" No. 18	P-14-26N-4W	PC
Jicarilla "A" No. 19	D-24-26N-4W	PC
Jicarilla "A" No. 10E	G-23-26N-4W	MV/DK
Jicarilla "A" No. 13E	N-13-26N-4W	MV/DK
Jicarilla "A" No. 22A	P-24-26N-4W	PC/MV
Jicarilla "A" No. 22Y	K-24-26N-4W	MV/DK
Jicarilla "B" No. 8A	D-25-26N-4W	MV/DK
Jicarilla "A" No. 9M	K-14-25N-4W	DK/MV
Jicarilla "A" No. 1	K-23-26N-4W	PC

WELL TO BE ADDED TO PLC

<i>Well Name & No</i>	<i>Location</i>	<i>Pool(s)</i>
Jicarilla "A" No. 8M	N-23-26N-4W	DK/MV

PC = Tapacito Pictured Cliffs
MV = Blanco Mesaverde
GP = Wild Horse Gallup
DK = Basin Dakota

Report: TEST12

Williams Field Services

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List: --NONE--

Salt Lake City, Utah

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Equipment Report

Meter ID	Diff	Date	Ref #	Orifice Size	Tube Size	Snak	Temp	Static	Meter Name	Days	Diff	Calc	Tap	Type	Recorder Type	GDST
35860-30	01/01/99	1	1.000	3.069	A	150	500	JICARILLA "A" 8M CMG	1	250	0	U	F	Y	0000	
35860-30	02/01/99	1	1.000	3.069	A	150	500	JICARILLA "A" 8M CMG	1	250	0	U	F	Y	0000	
35860-30	03/01/99	1	1.000	3.069	A	150	500	JICARILLA "A" 8M CMG	1	250	0	U	F	Y	0000	
35860-30	04/01/99	1	1.000	3.069	A	150	500	JICARILLA "A" 8M CMG	1	250	0	U	F	Y	0000	
35860-30	05/01/99	1	1.000	3.069	A	150	500	JICARILLA "A" 8M CMG	1	250	0	U	F	Y	0000	
35860-30	06/01/99	1	1.000	3.069	A	150	500	JICARILLA "A" 8M CMG	1	250	0	U	F	Y	0000	
35860-30	07/01/99	1	1.000	3.069	A	150	500	JICARILLA "A" 8M CMG	1	250	0	U	F	Y	0000	
35860-30	08/01/99	1	1.000	3.069	A	150	500	JICARILLA "A" 8M CMG	1	250	0	U	F	Y	0000	

Post-It® Fax Note 7671		Date	9/16/99	# of pages	12
To		Cecil Yarbrough			
Co./Dept.		WFS			
Phone #		281-293-6579			
Fax #		281-293-5466			
From		Theresa Johnson			
Co.		WFS			
Phone #		505-632-4474			
Fax #		505-632-4865			

Report: TALK1
 List: --NONE--

Williams Field Services
 Salt Lake City, Utah

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Meter Comparison
 as of (01/99)

METER ID	Month	Total MCF	Total MMBTU	Avg PSIA	Avg MCF Daily	Avg MMBTU Daily	Avg Temp	Avg BTU	Diff	Flow Hrs	Atmosphere	Min Daily Press	Max Daily Press	Orig Vol	Type
35860-30	01/01/99	10281	12656	136	332	408	47.0	1230.9849	0.0	350	11.514	127	147	10281	BO (EFA)
35860-30	02/01/99	9145	11258	137	327	402	46.3	1230.9849	0.0	333	11.514	133	145	9145	EO
35860-30	03/01/99	9835	12104	144	317	390	49.8	1230.9849	0.0	360	11.514	138	153	9835	EO
35860-30	04/01/99	9358	11791	137	312	393	51.0	1259.6662	0.0	356	11.514	129	151	9358	EO
35860-30	05/01/99	9463	11924	140	305	385	57.1	1259.6662	0.0	373	11.514	131	149	9463	EO
35860-30	06/01/99	9055	11405	148	302	380	64.5	1259.6662	0.0	387	11.514	134	169	9055	EO
35860-30	07/01/99	8204	10434	148	267	337	68.2	1259.6662	0.0	346	11.514	140	175	8204	EO
35860-30	08/01/99	8051	10139	146	260	327	65.5	1259.7170	79.4	343	11.514	138	167	8051	EO

(SOP)

Williams Field Services
Characteristics Report
Aug 01, 99 thru Sep 01, 99

September 16, 1999

Station Name :	Jicarilla A8M COMG	System Name :	JIC
Station Number:	35860304	Contract Day :	
Date/Time :	08/31/99 15:00	Contract Hour:	0
Meter Type :	Fisher (4/5/94)	Power Source :	

Base conditions

Pressure Base: 14.73 Temperature Base: 50 Atmos. Pressure: 11.51

Primary data

Fitting Type:	FLANGE	Tap Location :	UP	Static Calibrated:	ABSOLUTE
Tube size :	3.0690	Tube material :	Carbon Steel	Tube Ref. Temp :	68.00
Plate size :	1.0000	Plate Material:	Stainless Steel	Plate Ref. Temp :	68.00

Calculation Parameters

Calculation method:	AGA3-1992	Fpv method :	AGA8-Detail
Live Temperature :	Yes	Default temp :	
Factors used :		Fixed Parameter:	1.00

Analysis Data

Last Sample Date:

Sample Type:

Gravity:	0.7274	BTU:	1259.67	DRY	
CO2:	0.654	N2:	0.468		
C1:	79.613	C2:	11.317	C3:	4.248
I-C4:	0.789	N-C4:	1.325	I-C5:	0.465
N-C5:	0.351	Neo-C5:		C6:	0.769
C7:	0.000	O2:	0.000	H2O:	0.000
H2S:	0.000	He:	0.000		

Alarm Parameters

Low flow cut-off: 0.50 Backflow:

Diff Low :	0.00	Static Low :	0.00	Temp Low :	-40.00
Diff High:	250.00	Static High:	800.65	Temp High:	180.00

Calibration & Transducer Ranges

Diff	Calibration	Low:	0.00	High:	250.00
	Transducer	Low:	0.00	High:	
Static	Calibration	Low:	11.51	High:	511.51
	Transducer	Low:	0.00	High:	
Temp	Calibration	Low:	0.00	High:	150.00
	Transducer	Low:		High:	

Report Prepared by the Flow-Cal System (c)1996 Coastal Flow Measurement, Inc. Houston, Texas

Williams Field Services
SUMMARY OF MOST RECENT GAS ANALYSES

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Station ID: 35860

Station Name: JICARILLA "A" 8M CMG

Analysis No.:	234499	234662	251864
Analysis Source:	35860	35860	35860
Lab Identifier:	KURTZ LAB	K761	K796
Sample From Date:	02/27/98	02/27/98	03/25/99
Sample To Date:	02/27/98	02/27/98	03/25/99
Analyzed Date:	03/06/98	03/06/98	03/29/99
Effective Date:	02/01/98	02/02/98	04/01/99

Components		Number 1 Mol %	Number 2 Mol %	Number 3 Mol %	Number 4 Mol %	Number 5 Mol %	Number 6 Mol %	Number 7 Mol %
Methane	C1	81.0930	81.0936	79.6132				
Ethane	C2	10.4980	10.4980	11.3170				
Propane	C3	4.8120	4.8124	4.2482				
Iso-butane	IC4	0.6690	0.6690	0.7890				
Normal-butane	NC4	1.1170	1.1174	1.3252				
Iso-pentane	IC5	0.3490	0.3490	0.4650				
Normal-pentane	NC5	0.2470	0.2473	0.3512				
Hexanes	C6	0.3120	0.3120	0.7690				
Heptanes	C7	0.0000	0.0000	0.0000				
Octanes	C8							
Nonanes	C9	0.0000	0.0000	0.0000				
Decanes	C10	0.0000	0.0000	0.0000				
Nitrogen	N2	0.2850	0.2850	0.4680				
Carbon Dioxide	CO2	0.6160	0.6163	0.6542				
Carbon Monoxide	CO	0.0000	0.0000	0.0000				
Hydrogen Sulfide	H2S	0.0000	0.0000	0.0000				
Helium	HE	0.0000	0.0000	0.0000				
Specific Gravity:		0.7064	0.7064	0.7274				
Ideal Specific Grav:		0.7043	0.7043	0.7251				
Dry BTU :		1230.9432	1230.9849	1259.6662				
Pressure Base:		14.7300	14.7300	14.7300				
Ideal BTU:		1226.7816	1226.8229	1255.1616				
Z-Factor:		0.9964	0.9964	0.9964				

GPM

Ethane	C2	2.808	2.808	3.027
Propane	C3	1.326	1.326	1.171
Iso-butane	IC4	0.219	0.219	0.258
Normal-butane	NC4	0.352	0.352	0.418
Iso-pentane	IC5	0.128	0.128	0.170
Normal-pentane	NC5	0.089	0.090	0.127
Hexanes	C6	0.136	0.136	0.336
Heptanes	C7	0.000	0.000	0.000
Octanes	C8	0.000	0.000	0.000
Nonanes	C9	0.000	0.000	0.000
Decanes	C10	0.000	0.000	0.000

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Williams Field Services

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Salt Lake City, Utah

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MONTHLY GAS VOLUME STATEMENT

for 01/99

METER ID: 35860-30

OPERATOR: CONOCO, INC.

NAME: JICARILLA "A" 8M CMG

EFF DATE	REF NUM	STATIC RANGE	DIFF RANGE	TUBE DIAM	ORIF SIZE	TAP TYP	TAP LOC	PLATE MAT'L	CHART DAYS	CALC TYPE	MACHINE CONST	GAS DAY START	METER TYPE	BASE PRES	BASE TEMP	ATMO PRES
1	1	1	500	250	3.0690	1.000	P	U			1.5811	0000	EO	14.730	60	11.514

DATE ON	REF OF	NUM	MCF @14.730	BTU(D) @14.730	DTH	FLOW EXTENT	FLOW TIME	FLOW TEMP	AVG PSIG	AVG DIFF	MOL% N2	MOL% CO2	SPEC GRAV
1	2	1	332	1230.9849	409	0	11.70	47.0	121.0	0.0	0.2850	0.6163	0.7064
2	3	2	334	1230.9849	411	0	11.60	46.0	121.9	0.0	0.2850	0.6163	0.7064
3	4	3	335	1230.9849	412	0	10.80	44.0	117.0	0.0	0.2850	0.6163	0.7064
4	5	4	344	1230.9849	423	0	11.40	45.0	117.6	0.0	0.2850	0.6163	0.7064
5	6	5	335	1230.9849	413	0	11.60	46.0	116.7	0.0	0.2850	0.6163	0.7064
6	7	6	327	1230.9849	402	0	10.90	47.0	118.7	0.0	0.2850	0.6163	0.7064
7	8	7	334	1230.9849	412	0	10.80	47.0	120.2	0.0	0.2850	0.6163	0.7064
8	9	8	326	1230.9849	402	0	10.90	47.0	116.0	0.0	0.2850	0.6163	0.7064
9	10	9	332	1230.9849	409	0	11.30	45.0	115.9	0.0	0.2850	0.6163	0.7064
10	11	10	335	1230.9849	412	0	11.60	46.0	121.9	0.0	0.2850	0.6163	0.7064
11	12	11	334	1230.9849	411	0	11.30	47.0	125.3	0.0	0.2850	0.6163	0.7064
12	13	12	326	1230.9849	401	0	11.10	48.0	127.5	0.0	0.2850	0.6163	0.7064
13	14	13	344	1230.9849	424	0	11.70	46.0	125.2	0.0	0.2850	0.6163	0.7064
14	15	14	325	1230.9849	400	0	11.10	46.0	123.0	0.0	0.2850	0.6163	0.7064
15	16	15	328	1230.9849	403	0	11.00	47.0	128.8	0.0	0.2850	0.6163	0.7064
16	17	16	337	1230.9849	415	0	11.30	47.0	128.7	0.0	0.2850	0.6163	0.7064
17	18	17	336	1230.9849	413	0	11.40	48.0	130.5	0.0	0.2850	0.6163	0.7064
18	19	18	320	1230.9849	394	0	10.90	50.0	132.8	0.0	0.2850	0.6163	0.7064
19	20	19	336	1230.9849	413	0	11.40	51.0	134.5	0.0	0.2850	0.6163	0.7064
20	21	20	335	1230.9849	413	0	11.40	48.0	135.4	0.0	0.2850	0.6163	0.7064
21	22	21	326	1230.9849	401	0	11.20	45.0	132.6	0.0	0.2850	0.6163	0.7064
22	23	22	332	1230.9849	409	0	11.30	46.0	120.4	0.0	0.2850	0.6163	0.7064
23	24	23	324	1230.9849	399	0	11.00	47.0	124.4	0.0	0.2850	0.6163	0.7064
24	25	24	332	1230.9849	409	0	11.10	50.0	126.8	0.0	0.2850	0.6163	0.7064
25	26	25	333	1230.9849	410	0	11.30	50.0	126.0	0.0	0.2850	0.6163	0.7064
26	27	26	328	1230.9849	404	0	11.20	47.0	125.7	0.0	0.2850	0.6163	0.7064
27	28	27	332	1230.9849	408	0	11.40	45.0	123.1	0.0	0.2850	0.6163	0.7064
28	29	28	331	1230.9849	407	0	11.30	46.0	123.4	0.0	0.2850	0.6163	0.7064
29	30	29	333	1230.9849	410	0	11.50	47.0	127.1	0.0	0.2850	0.6163	0.7064
30	31	30	323	1230.9849	398	0	11.40	47.0	123.5	0.0	0.2850	0.6163	0.7064
31	1	31	332	1230.9849	409	0	11.90	49.0	122.0	0.0	0.2850	0.6163	0.7064

Note: * - Manually entered data

E - Estimated volume

TOTAL

10281

12656

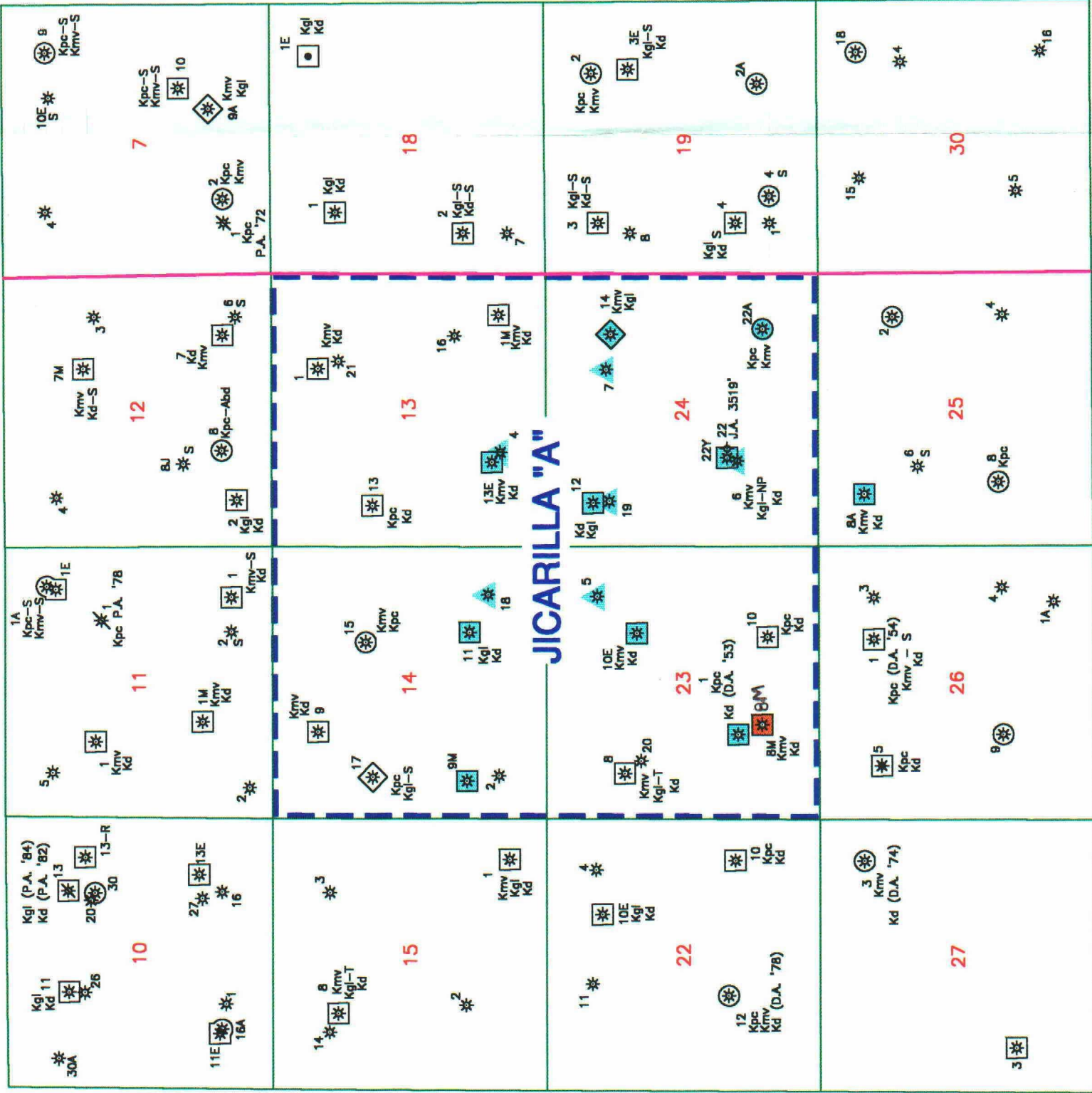
Weighted Average BTU - 1230.9849

R 4 W

R 3 W

T 26 N

JICARILLA "A"



UNIT LINE



WELLS ALREADY COMMINGLED



WELLS TO BE ADDED

DATE: 9-21-99	CONOCO CONOCO INC.
DRAWN BY: glg	JICARILLA "A" LEASE
CHECKED BY:	TOWNSHIP 26 NORTH - RANGE 4 WEST
APPROVED BY:	RIO ARriba COUNTY
SCALE: 1" = 2640'	NEW MEXICO
STATE PLANE COORDINATES REFERRED TO NAD27 - NEW MEXICO WEST STATE PLANE COORDINATES ZONE - 3003	STATE COUNTY WELL DRAWING 30 \ 039 \ JIC-ALSE
600 N. DAIRY ASHFORD ST. HOUSTON, TEXAS 77079	

0 Williams Field Services 09/16/99 13:24:24
 Salt Lake City, Utah PAGE 1
 MONTHLY GAS VOLUME STATEMENT
 for 02/99

METER ID: 35460-30
 NAME: JICARILLA "A" 8M CMG

OPERATOR: CONOCO, INC.

EFF	REF	STATIC	DIFF	TUBE	ORIF	TAP	TAP	PLATE	CHART	CALC	MACHINE	GAS DAY	METER	BASE	BASE	ATMO	
DATE	NUM	RANGE	RANGE	DIAM	SIZE	TYP	LOC	MAT'L	DAYS	TYPE	CONST	START	TYPE	PRES	TEMP	PRES	
2	1	1	500	250	3.0690	1.000	F	U	S	1	0	1.5811	U000	EO	14.730	60	11.514

DATE	REF	MCF	BTU(D)	FLOW	FLOW	FLOW	AVG	AVG	MOL%	MOL%	SPEC		
ON OF	NUM	014.730	014.730	EXTENT	TIME	TEMP	PSIG	DIFF	N2	CO2	GRAV		
1	2	1	339	1230.9849	417	0	11.90	47.0	122.5	0.0	0.2850	0.6163	0.7064
2	3	2	331	1230.9849	408	0	11.50	46.0	122.0	0.0	0.2850	0.6163	0.7064
3	4	3	325	1230.9849	400	0	11.80	48.0	123.0	0.0	0.2850	0.6163	0.7064
4	5	4	321	1230.9849	395	0	11.70	48.0	124.4	0.0	0.2850	0.6163	0.7064
5	6	5	346	1230.9849	426	0	12.30	49.0	125.8	0.0	0.2850	0.6163	0.7064
6	7	6	326	1230.9849	402	0	12.00	47.0	126.8	0.0	0.2850	0.6163	0.7064
7	8	7	323	1230.9849	398	0	11.90	49.0	123.8	0.0	0.2850	0.6163	0.7064
8	9	8	336	1230.9849	414	0	12.10	50.0	124.1	0.0	0.2850	0.6163	0.7064
9	10	9	327	1230.9849	403	0	11.50	51.0	132.9	0.0	0.2850	0.6163	0.7064
10	11	10	321	1230.9849	395	0	11.80	47.0	131.6	0.0	0.2850	0.6163	0.7064
11	12	11	334	1230.9849	411	0	12.30	40.0	122.3	0.0	0.2850	0.6163	0.7064
12	13	12	312	1230.9849	384	0	11.80	43.0	121.7	0.0	0.2850	0.6163	0.7064
13	14	13	327	1230.9849	403	0	12.10	46.0	126.1	0.0	0.2850	0.6163	0.7064
14	15	14	317	1230.9849	391	0	11.60	46.0	124.2	0.0	0.2850	0.6163	0.7064
15	16	15	319	1230.9849	392	0	11.30	45.0	124.5	0.0	0.2850	0.6163	0.7064
16	17	16	329	1230.9849	404	0	11.90	43.0	126.4	0.0	0.2850	0.6163	0.7064
17	18	17	335	1230.9849	413	0	12.20	44.0	123.5	0.0	0.2850	0.6163	0.7064
18	19	18	325	1230.9849	400	0	11.80	46.0	126.5	0.0	0.2850	0.6163	0.7064
19	20	19	317	1230.9849	390	0	11.50	47.0	126.2	0.0	0.2850	0.6163	0.7064
20	21	20	331	1230.9849	407	0	12.10	45.0	121.6	0.0	0.2850	0.6163	0.7064
21	22	21	326	1230.9849	401	0	11.80	47.0	122.0	0.0	0.2850	0.6163	0.7064
22	23	22	330	1230.9849	406	0	12.00	44.0	121.8	0.0	0.2850	0.6163	0.7064
23	24	23	314	1230.9849	386	0	11.60	45.0	133.8	0.0	0.2850	0.6163	0.7064
24	25	24	331	1230.9849	408	0	12.20	46.0	124.6	0.0	0.2850	0.6163	0.7064
25	26	25	325	1230.9849	400	0	12.00	47.0	126.2	0.0	0.2850	0.6163	0.7064
26	27	26	323	1230.9849	398	0	12.10	47.0	126.3	0.0	0.2850	0.6163	0.7064
27	28	27	315	1230.9849	387	0	11.70	46.0	127.9	0.0	0.2850	0.6163	0.7064
28	1	28	340	1230.9849	419	0	12.40	47.0	127.1	0.0	0.2850	0.6163	0.7064

Note: * - Manually entered data

TOTAL 9145 11258 Weighted Average BTU = 1230.9849 E - Estimated volume

0

Williams Field Services

09/16/99 13:24:35

Salt Lake City, Utah

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MONTHLY GAS VOLUME STATEMENT

for 03/99

METER ID: 35860-30

OPERATOR: CONOCO, INC.

NAME: JICARILLA "A" 8M CMG

BFF	REF	STATIC	DIFF	TUBE	ORIF	TAP	TAP	PLATE	CHART	CALC	MACHINE	GAS DAY	METER	BASE	BASE	ATMO
DATE	NUM	RANGE	RANGE	DIAM	SIZE	TYP	LOC	MAT'L	DAYS	TYPE	CONST	START	TYPE	PRES	TEMP	PRES
3 1	1	500	250	3.0690	1.000	F	U	S	1	0	1.5811	0000	EO	14.730	60	11.514

DATE	REF	MCF	BTU(D)	FLOW	FLOW	FLOW	AVG	AVG	MOMt	MOMt	SPEC	
ON OF	NUM	@14.730	@14.730	EXTENT	TIME	TEMP	PSIG	DJPP	N2	CO2	GRAV	
1 2	1	319	1230.9849	392	0	11.70	48.0	127.3	0.0	0.2850	0.6163	0.7064
2 3	2	318	1230.9849	391	0	11.90	47.0	126.4	0.0	0.2850	0.6163	0.7064
3 4	3	317	1230.9849	390	0	12.00	49.0	128.0	0.0	0.2850	0.6163	0.7064
4 5	4	317	1230.9849	390	0	11.80	49.0	130.5	0.0	0.2850	0.6163	0.7064
5 6	5	325	1230.9849	400	0	12.20	48.0	131.6	0.0	0.2850	0.6163	0.7064
6 7	6	320	1230.9849	394	0	12.00	48.0	130.3	0.0	0.2850	0.6163	0.7064
7 8	7	318	1230.9849	392	0	11.70	48.0	131.0	0.0	0.2850	0.6163	0.7064
8 9	8	326	1230.9849	402	0	11.70	45.0	129.8	0.0	0.2850	0.6163	0.7064
9 10	9	318	1230.9849	392	0	11.60	47.0	131.7	0.0	0.2850	0.6163	0.7064
10 11	10	324	1230.9849	398	0	11.70	49.0	131.9	0.0	0.2850	0.6163	0.7064
11 12	11	314	1230.9849	386	0	11.40	48.0	133.4	0.0	0.2850	0.6163	0.7064
12 13	12	317	1230.9849	390	0	11.90	45.0	132.7	0.0	0.2850	0.6163	0.7064
13 14	13	308	1230.9849	379	0	11.40	46.0	129.7	0.0	0.2850	0.6163	0.7064
14 15	14	324	1230.9849	399	0	11.90	49.0	129.5	0.0	0.2850	0.6163	0.7064
15 16	15	325	1230.9849	400	0	11.80	50.0	132.1	0.0	0.2850	0.6163	0.7064
16 17	16	312	1230.9849	384	0	11.20	51.0	133.0	0.0	0.2850	0.6163	0.7064
17 18	17	315	1230.9849	388	0	11.70	48.0	134.2	0.0	0.2850	0.6163	0.7064
18 19	18	314	1230.9849	387	0	11.90	46.0	135.1	0.0	0.2850	0.6163	0.7064
19 20	19	324	1230.9849	399	0	12.10	50.0	132.7	0.0	0.2850	0.6163	0.7064
20 21	20	330	1230.9849	406	0	12.20	52.0	131.2	0.0	0.2850	0.6163	0.7064
21 22	21	315	1230.9849	388	0	11.60	54.0	131.7	0.0	0.2850	0.6163	0.7064
22 23	22	321	1230.9849	395	0	11.70	51.0	132.3	0.0	0.2850	0.6163	0.7064
23 24	23	316	1230.9849	388	0	11.80	51.0	131.0	0.0	0.2850	0.6163	0.7064
24 25	24	314	1230.9849	386	0	11.40	53.0	132.7	0.0	0.2850	0.6163	0.7064
25 26	25	314	1230.9849	386	0	11.40	53.0	136.2	0.0	0.2850	0.6163	0.7064
26 27	26	312	1230.9849	384	0	11.10	52.0	136.8	0.0	0.2850	0.6163	0.7064
27 28	27	309	1230.9849	381	0	10.90	53.0	134.4	0.0	0.2850	0.6163	0.7064
28 29	28	310	1230.9849	382	0	11.30	51.0	134.2	0.0	0.2850	0.6163	0.7064
29 30	29	314	1230.9849	386	0	11.10	53.0	132.2	0.0	0.2850	0.6163	0.7064
30 31	30	311	1230.9849	383	0	10.90	55.0	137.6	0.0	0.2850	0.6163	0.7064
31 1	31	314	1230.9849	386	0	11.40	54.0	141.2	0.0	0.2850	0.6163	0.7064

Note: * - Manually entered data

R - Estimated volume

TOTAL	9835	12104	Weighted Average BTU = 1230.9849
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Williams Field Services
Salt Lake City, Utah
MONTHLY GAS VOLUME STATEMENT
for 04/99

09/16/99 13:24:41

PAGE 1

METER ID: 35860-30
NAME: JICARILLA "A" 8M CMG

OPERATOR: CONOCO, INC.

EFF DATE	REF NUM	STATIC RANGE	DIFF RANGE	TUBE DIAM	ORIF SIZE	TAP TYP	TAP LOC	PLATE MAT'L	CHART DAYS	CALC TYPE	MACHINE CONST	GAS DAY START	METER TYPE	BASE PRES	BASE TEMP	ATMO PRES	
4	1	1	500	250	3.0690	1.000	F	U	S	1	U	1.5611	0000	EO	14.730	60	11.514

DATE ON OF	REF NUM	MCF @14.730	BTU(D) @14.730	DTH	FLOW EXTENT	FLOW TIME	FLOW TEMP	AVG PSIG	AVG DIFF	MOL% N2	MOL% CO2	SPEC GRAV	
1	2	1	310	1259.6662	390	0	11.30	48.0	136.5	0.0	0.4680	0.6542	0.7274
2	3	2	313	1259.6662	394	0	11.10	45.0	141.9	0.0	0.4680	0.6542	0.7274
3	4	3	303	1259.6662	381	0	11.10	44.0	128.6	0.0	0.4680	0.6542	0.7274
4	5	4	320	1259.6662	403	0	11.60	45.0	130.1	0.0	0.4680	0.6542	0.7274
5	6	5	305	1259.6662	385	0	11.20	47.0	127.7	0.0	0.4680	0.6542	0.7274
6	7	6	301	1259.6662	380	0	10.80	51.0	134.0	0.0	0.4680	0.6542	0.7274
7	8	7	319	1259.6662	402	0	11.30	53.0	140.0	0.0	0.4680	0.6542	0.7274
8	9	8	307	1259.6662	387	0	11.80	49.0	119.8	0.0	0.4680	0.6542	0.7274
9	10	9	328	1259.6662	413	0	12.30	47.0	120.0	0.0	0.4680	0.6542	0.7274
10	11	10	318	1259.6662	401	0	12.10	47.0	121.9	0.0	0.4680	0.6542	0.7274
11	12	11	305	1259.6662	385	0	11.70	50.0	121.4	0.0	0.4680	0.6542	0.7274
12	13	12	313	1259.6662	394	0	11.80	55.0	121.3	0.0	0.4680	0.6542	0.7274
13	14	13	290	1259.6662	365	0	11.60	53.0	137.2	0.0	0.4680	0.6542	0.7274
14	15	14	329	1259.6662	415	0	12.50	53.0	117.5	0.0	0.4680	0.6542	0.7274
15	16	15	326	1259.6662	411	0	12.70	50.0	118.4	0.0	0.4680	0.6542	0.7274
16	17	16	324	1259.6662	408	0	12.60	48.0	119.4	0.0	0.4680	0.6542	0.7274
17	18	17	317	1259.6662	399	0	12.40	51.0	119.7	0.0	0.4680	0.6542	0.7274
18	19	18	313	1259.6662	395	0	12.00	54.0	119.0	0.0	0.4680	0.6542	0.7274
19	20	19	311	1259.6662	392	0	11.80	55.0	122.1	0.0	0.4680	0.6542	0.7274
20	21	20	306	1259.6662	385	0	11.70	56.0	125.8	0.0	0.4680	0.6542	0.7274
21	22	21	320	1259.6662	403	0	12.60	52.0	125.9	0.0	0.4680	0.6542	0.7274
22	23	22	317	1259.6662	399	0	12.10	51.0	121.6	0.0	0.4680	0.6542	0.7274
23	24	23	298	1259.6662	376	0	11.60	54.0	122.6	0.0	0.4680	0.6542	0.7274
24	25	24	316	1259.6662	398	0	12.20	52.0	122.1	0.0	0.4680	0.6542	0.7274
25	26	25	316	1259.6662	398	0	12.10	49.0	120.0	0.0	0.4680	0.6542	0.7274
26	27	26	317	1259.6662	400	0	12.30	52.0	118.8	0.0	0.4680	0.6542	0.7274
27	28	27	305	1259.6662	384	0	12.20	56.0	130.7	0.0	0.4680	0.6542	0.7274
28	29	28	311	1259.6662	392	0	12.30	54.0	122.2	0.0	0.4680	0.6542	0.7274
29	30	29	307	1259.6662	387	0	11.80	55.0	122.8	0.0	0.4680	0.6542	0.7274
30	1	30	293	1259.6662	369	0	11.60	55.0	128.7	0.0	0.4680	0.6542	0.7274

Note: * - Manually entered data

E - Estimated volume

TOTAL 9358 11791 Weighted Average BTU = 1259.6662

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Williams Field Services
Salt Lake City, Utah
MONTHLY GAS VOLUME STATEMENT
for 05/99

09/16/99 13:24:52

PAGE 1

METER ID: 35860-30

OPERATOR: CONOCO, INC.

NAME: JICARILLA "A" 8M CMG

SFF	REF	STATIC	DIFF	TUBE	ORIF	TAP	TAP	PLATE	CHART	CALC	MACHINE	GAS DAY	METER	BASE	BASE	ATMO	
DATE	NUM	RANGE	RANGE	DIAM	SIZE	TYF	LOC	MAT'L	DAYS	TYPE	CONST	START	TYPE	PRES	TEMP	PRES	
5	1	1	500	250	3.0690	1.000	F	U	S	1	0	1.5811	0000	RO	14.730	60	11.514

DATE	REF	MCF	BTU(D)	FLOW	FLOW	FLOW	AVG	AVG	MOL%	MOL%	SPEC			
ON OF	NUM	@14.730	@14.730	EXTENT	TIME	TEMP	PSIG	DIPP	N2	CO2	GRAV			
1	2	1	302	1259.6662	381	0	12.10	49.0	132.7	0.0	0.4680	0.6542	0.7274	
2	3	2	318	1259.6662	400	0	12.30	53.0	121.1	0.0	0.4680	0.6542	0.7274	
3	4	3	315	1259.6662	397	0	12.10	50.0	122.0	0.0	0.4680	0.6542	0.7274	
4	5	4	304	1259.6662	383	0	11.80	48.0	136.6	0.0	0.4680	0.6542	0.7274	
5	6	5	294	1259.6662	371	0	11.40	49.0	133.4	0.0	0.4680	0.6542	0.7274	
6	7	6	319	1259.6662	402	0	12.70	52.0	121.2	0.0	0.4680	0.6542	0.7274	
7	8	7	314	1259.6662	396	0	12.50	55.0	124.2	0.0	0.4680	0.6542	0.7274	
8	9	8	309	1259.6662	389	0	12.30	57.0	125.5	0.0	0.4680	0.6542	0.7274	
9	10	9	314	1259.6662	396	0	12.50	59.0	119.4	0.0	0.4680	0.6542	0.7274	
10	11	10	313	1259.6662	395	0	12.50	56.0	119.6	0.0	0.4680	0.6542	0.7274	
11	12	11	311	1259.6662	391	0	12.30	55.0	120.6	0.0	0.4680	0.6542	0.7274	
12	13	12	300	1259.6662	378	0	11.70	56.0	123.3	0.0	0.4680	0.6542	0.7274	
13	14	13	291	1259.6662	367	0	11.70	60.0	137.3	0.0	0.4680	0.6542	0.7274	
14	15	14	298	1259.6662	375	0	11.60	60.0	131.6	0.0	0.4680	0.6542	0.7274	
15	16	15	294	1259.6662	371	0	11.40	60.0	131.8	0.0	0.4680	0.6542	0.7274	
16	17	16	295	1259.6662	372	0	11.20	58.0	130.1	0.0	0.4680	0.6542	0.7274	
17	18	17	295	1259.6662	372	0	11.30	57.0	129.6	0.0	0.4680	0.6542	0.7274	
18	19	18	289	1259.6662	364	0	11.20	59.0	131.6	0.0	0.4680	0.6542	0.7274	
19	20	19	309	1259.6662	390	0	12.00	63.0	130.2	0.0	0.4680	0.6542	0.7274	
20	21	20	297	1259.6662	375	0	11.80	61.0	128.9	0.0	0.4680	0.6542	0.7274	
21	22	21	312	1259.6662	393	0	12.30	61.0	127.9	0.0	0.4680	0.6542	0.7274	
22	23	22	288	1259.6662	362	0	11.20	61.0	131.7	0.0	0.4680	0.6542	0.7274	
23	24	23	304	1259.6662	383	0	11.70	59.0	128.3	0.0	0.4680	0.6542	0.7274	
24	25	24	299	1259.6662	376	0	11.50	55.0	126.6	0.0	0.4680	0.6542	0.7274	
25	26	25	311	1259.6662	391	0	12.10	55.0	126.0	0.0	0.4680	0.6542	0.7274	
26	27	26	286	1259.6662	360	0	11.40	57.0	127.8	0.0	0.4680	0.6542	0.7274	
27	28	27	327	1259.6662	412	0	13.20	59.0	134.9	0.0	0.4680	0.6542	0.7274	
28	29	28	303	1259.6662	382	0	12.30	60.0	133.0	0.0	0.4680	0.6542	0.7274	
29	30	29	320	1259.6662	403	0	13.10	62.0	132.5	0.0	0.4680	0.6542	0.7274	
30	31	30	317	1259.6662	400	0	13.00	61.0	131.3	0.0	0.4680	0.6542	0.7274	
31	1	31	315	1259.6662	397	0	12.90	63.0	131.0	0.0	0.4680	0.6542	0.7274	
TOTAL												Note: - Manually entered data		
												E - Estimated volume		

0

Williams Field Services

09/16/99 13:25:03

Salt Lake City, Utah

PAGE 1

MONTHLY GAS VOLUME STATEMENT

for 06/99

METER ID: 35860-30

OPERATOR: CONOCO, INC.

NAME: JICARILLA "A" 8M CMG

EFF	REF	STATIC	DIFF	TUBE	ORIF	TAP	TAP	PLATE	CHART	CALC	MACHINE	GAS DAY	METER	BASE	BASE	ATMO	
DATE	NUM	RANGE	RANGE	DIAM	SIZE	TYP	LOC	MAT'L	DAYS	TYPE	CONST	START	TYPE	PRES	TEMP	PRES	
6	1	1	500	250	3.0690	1.000	P	U	S	1	0	1.5811	0000	EO	14.730	60	11.514

DATE	REP	MCP	BTU(D)	FLOW	FLOW	FLOW	AVG	AVG	MOL%	MOL%	SPEC		
ON OF	NUM	@14.730	@14.730	EXTENT	TIME	TEMP	PSIG	DIFF	N2	CO2	GRAV		
1	2	1	313	1259.6662	395	0	12.80	62.0	131.2	0.0	0.4680	0.6542	0.7274
2	3	2	306	1259.6662	386	0	12.80	61.0	135.2	0.0	0.4680	0.6542	0.7274
3	4	3	296	1259.6662	372	0	12.70	63.0	157.2	0.0	0.4680	0.6542	0.7274
4	5	4	314	1259.6662	395	0	13.20	61.0	136.1	0.0	0.4680	0.6542	0.7274
5	6	5	313	1259.6662	395	0	13.00	57.0	128.7	0.0	0.4680	0.6542	0.7274
6	7	6	315	1259.6662	396	0	13.20	61.0	123.9	0.0	0.4680	0.6542	0.7274
7	8	7	313	1259.6662	395	0	13.00	63.0	122.4	0.0	0.4680	0.6542	0.7274
8	9	8	161	1259.6662	203	0	8.00	61.0	157.6	0.0	0.4680	0.6542	0.7274
9	10	9	326	1259.6662	410	0	12.80	63.0	140.1	0.0	0.4680	0.6542	0.7274
10	11	10	319	1259.6662	401	0	12.70	63.0	137.4	0.0	0.4680	0.6542	0.7274
11	12	11	303	1259.6662	381	0	12.50	64.0	152.2	0.0	0.4680	0.6542	0.7274
12	13	12	311	1259.6662	392	0	12.90	62.0	136.1	0.0	0.4680	0.6542	0.7274
13	14	13	308	1259.6662	388	0	12.80	64.0	138.7	0.0	0.4680	0.6542	0.7274
14	15	14	308	1259.6662	387	0	12.90	64.0	138.3	0.0	0.4680	0.6542	0.7274
15	16	15	305	1259.6662	385	0	12.80	65.0	138.9	0.0	0.4680	0.6542	0.7274
16	17	16	298	1259.6662	375	0	13.10	65.0	144.1	0.0	0.4680	0.6542	0.7274
17	18	17	304	1259.6662	383	0	13.30	62.0	143.5	0.0	0.4680	0.6542	0.7274
18	19	18	307	1259.6662	387	0	13.40	64.0	135.5	0.0	0.4680	0.6542	0.7274
19	20	19	306	1259.6662	384	0	13.10	65.0	133.9	0.0	0.4680	0.6542	0.7274
20	21	20	305	1259.6662	384	0	13.30	65.0	132.0	0.0	0.4680	0.6542	0.7274
21	22	21	305	1259.6662	384	0	13.40	65.0	132.6	0.0	0.4680	0.6542	0.7274
22	23	22	305	1259.6662	384	0	13.50	67.0	133.9	0.0	0.4680	0.6542	0.7274
23	24	23	301	1259.6662	379	0	13.20	66.0	136.4	0.0	0.4680	0.6542	0.7274
24	25	24	301	1259.6662	380	0	13.10	68.0	137.3	0.0	0.4680	0.6542	0.7274
25	26	25	302	1259.6662	381	0	13.10	69.0	135.4	0.0	0.4680	0.6542	0.7274
26	27	26	301	1259.6662	380	0	12.90	69.0	136.2	0.0	0.4680	0.6542	0.7274
27	28	27	302	1259.6662	380	0	12.90	68.0	134.6	0.0	0.4680	0.6542	0.7274
28	29	28	302	1259.6662	381	0	13.00	69.0	133.5	0.0	0.4680	0.6542	0.7274
29	30	29	302	1259.6662	380	0	13.30	69.0	135.0	0.0	0.4680	0.6542	0.7274
30	1	30	304	1259.6662	382	0	13.50	69.0	137.0	0.0	0.4680	0.6542	0.7274

TOTAL

9055

11405

Weighted Average BTU - 1259.6662

Note: * - Manually entered data

E - Estimated volume

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Williams Field Services
Salt Lake City, Utah
MONTHLY GAS VOLUME STATEMENT
for 07/99

09/16/99 13:25:14

PAGE 1

METER ID: 35860-30

OPERATOR: CONOCO, INC.

NAME: JICARILLA "A" BM CMG

EFF DATE	REF NUM	STATIC RANGE	DIFF RANGE	TUBE DIAM	ORIF SIZE	TAP TYP	TAP LOC	PLATE MAT'L	CHART DAYS	CALC TYPE	MACHINE CONST	GAS DAY START	METER TYPE	BASE PRES	BASE TEMP	ATMO PRES	
7	1	1	500	250	3.0690	1.000	F	U	S	1	0	1.5811	0000	EO	14.730	50	11.514

DATE ON	REF OP	NUM	MCF @14.730	BTU(D) @14.730	DTH	FLOW EXTENT	FLOW TIME	FLOW TEMP	AVG PSIG	AVG DIPP	MOL% N2	MOL% CO2	SPEC GRAV
1	2	1	299	1259.6662	377	0	13.20	71.0	138.1	0.0	0.4680	0.6542	0.7274
2	3	2	300	1259.6662	378	0	13.10	69.0	137.4	0.0	0.4680	0.6542	0.7274
3	4	3	300	1259.6662	378	0	13.10	67.0	135.7	0.0	0.4680	0.6542	0.7274
4	5	4	301	1259.6662	379	0	13.20	69.0	133.4	0.0	0.4680	0.6542	0.7274
5	6	5	300	1259.6662	379	0	13.20	71.0	133.3	0.0	0.4680	0.6542	0.7274
6	7	6	297	1259.6662	374	0	13.30	69.0	136.9	0.0	0.4680	0.6542	0.7274
7	8	7	302	1259.6662	380	0	13.40	66.0	132.8	0.0	0.4680	0.6542	0.7274
8	9	8	299	1259.6662	377	0	13.30	68.0	132.7	0.0	0.4680	0.6542	0.7274
9	10	9	126	1259.6662	158	0	11.40	67.0	163.8	0.0	0.4680	0.6542	0.7274
10	11	10	11	1259.6662	14	0	2.60	72.0	129.8	0.0	0.4680	0.6542	0.7274
11	12	11	8	1259.6662	10	0	2.00	70.0	128.1	0.0	0.4680	0.6542	0.7274
12	13	12	10	1259.6662	13	0	2.60	72.0	132.3	0.0	0.4680	0.6542	0.7274
13	14	13	12	1259.6662	16	0	3.20	74.0	132.2	0.0	0.4680	0.6542	0.7274
14	15	14	218	1259.6662	274	0	7.40	64.0	139.9	0.0	0.4680	0.6542	0.7274
15	16	15	410	1259.6662	516	0	12.50	64.0	141.3	0.0	0.4680	0.6542	0.7274
16	17	16	367	1259.6662	462	0	12.50	67.0	139.8	0.0	0.4680	0.6542	0.7274
17	18	17	347	1259.6662	437	0	12.20	65.0	139.0	0.0	0.4680	0.6542	0.7274
18	19	18	339	1259.6662	427	0	12.20	64.0	135.1	0.0	0.4680	0.6542	0.7274
19	20	19	327	1259.6662	411	0	12.20	64.0	135.7	0.0	0.4680	0.6542	0.7274
20	21	20	321	1259.6662	404	0	12.50	67.0	136.7	0.0	0.4680	0.6542	0.7274
21	22	21	320	1259.6662	403	0	12.30	67.0	136.2	0.0	0.4680	0.6542	0.7274
22	23	22	328	1259.6662	413	0	12.60	66.0	136.1	0.0	0.4680	0.6542	0.7274
23	24	23	313	1259.6662	394	0	12.20	68.0	136.9	0.0	0.4680	0.6542	0.7274
24	25	24	307	1259.6662	387	0	12.30	69.0	135.6	0.0	0.4680	0.6542	0.7274
25	26	25	322	1259.6662	406	0	13.00	69.0	134.2	0.0	0.4680	0.6542	0.7274
26	27	26	308	1259.6662	388	0	12.60	69.0	138.2	0.0	0.4680	0.6542	0.7274
27	28	27	316	1259.6662	398	0	13.30	69.0	139.6	0.0	0.4680	0.6542	0.7274
28	29	28	308	1259.6662	388	0	12.90	71.0	141.0	0.0	0.4680	0.6542	0.7274
29	30	29	289	1259.6662	364	0	12.00	69.0	141.1	0.0	0.4680	0.6542	0.7274
30	31	30	294	1259.6662	370	0	12.20	69.0	137.7	0.0	0.4680	0.6542	0.7274
31	1	31	285	1259.6662	359	0	11.80	67.0	133.7	0.0	0.4680	0.6542	0.7274
TOTAL			8284		10434	Weighted Average BTU - 1259.6662							

Note: * - Manually entered data
E - Estimated volume

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Williams Field Services
Salt Lake City, Utah
MONTHLY GAS VOLUME STATEMENT
for 08/99

09/16/99 13:25:40

PAGE 1

METER ID: 35860-30

OPERATOR: CONOCO, INC.

NAME: JICARILLA "A" 8M CMG

EFF DATE	REF NUM	STATIC RANGE	DIFF RANGE	TUBE DIAM	ORIF SIZE	TAP TYP	TAP LOC	PLATE MAT'L	CHART DAYS	CALC TYPE	MACHINE CONST	GAS DAY START	METER TYPE	BASE PRES	BASE TEMP	ATMO PRES	
8	1	1	500	250	3.0690	1.000	F	U	S	1	0	1.5811	0000	EO	14.730	60	11.514

DATE ON OF	REF NUM	MCF @14.730	BTU(D) @14.730	DTH	FLOW EXTENT	FLOW TIME	FLOW TRMP	AVG PSIG	AVG DIFF	MOL% N2	MOL% CO2	SPEC GRAV	
1	2	1	290	1259.6662	365	111	12.20	67.0	132.6	85.1	0.4680	0.6542	0.7274
2	3	2	305	1259.6662	364	110	12.80	65.0	130.2	86.1	0.4680	0.6542	0.7274
3	4	3	302	1259.6662	381	107	12.80	65.0	130.9	82.2	0.4680	0.6542	0.7274
4	5	4	289	1259.6662	364	110	12.30	63.0	129.9	85.9	0.4680	0.6542	0.7274
5	6	5	289	1259.6662	364	107	12.40	63.0	140.5	76.3	0.4680	0.6542	0.7274
6	7	6	289	1259.6662	364	110	12.30	65.0	131.9	83.0	0.4680	0.6542	0.7274
7	8	7	256	1259.6662	323	109	10.90	66.0	132.6	83.1	0.4680	0.6542	0.7274
8	9	8	256	1259.6662	323	109	10.80	68.0	130.0	84.7	0.4680	0.6542	0.7274
9	10	9	252	1259.6662	317	107	10.90	67.0	135.5	78.7	0.4680	0.6542	0.7274
10	11	10	233	1259.6662	293	106	10.20	64.0	133.9	77.6	0.4680	0.6542	0.7274
11	12	11	283	1259.6662	357	109	12.00	66.0	136.1	80.5	0.4680	0.6542	0.7274
12	13	12	285	1259.6662	359	106	12.20	65.0	141.0	74.7	0.4680	0.6542	0.7274
13	14	13	275	1259.6662	346	109	11.60	67.0	139.8	79.2	0.4680	0.6542	0.7274
14	15	14	301	1259.6662	380	105	12.90	64.0	141.3	74.1	0.4680	0.6542	0.7274
15	16	15	276	1259.6662	348	104	11.90	65.0	155.4	66.2	0.4680	0.6542	0.7274
16	17	16	280	1259.6662	352	103	12.20	67.0	149.8	68.3	0.4680	0.6542	0.7274
17	18	17	292	1259.6662	367	109	12.30	67.0	132.3	82.5	0.4680	0.6542	0.7274
18	19	18	301	1259.6662	379	106	13.00	67.0	133.8	77.7	0.4680	0.6542	0.7274
19	20	19	286	1259.6662	360	107	12.30	68.0	133.8	79.1	0.4680	0.6542	0.7274
20	21	20	289	1259.6662	364	105	12.50	66.0	132.6	77.1	0.4680	0.6542	0.7274
21	22	21	281	1259.6662	354	106	12.20	66.0	132.6	78.5	0.4680	0.6542	0.7274
22	23	22	267	1259.6662	336	106	11.60	67.0	128.9	79.8	0.4680	0.6542	0.7274
23	24	23	236	1259.6662	297	106	10.50	65.0	129.2	79.9	0.4680	0.6542	0.7274
24	25	24	238	1259.6662	300	106	10.50	67.0	134.7	78.4	0.4680	0.6542	0.7274
25	26	25	240	1259.6662	302	106	10.30	68.0	139.1	75.2	0.4680	0.6542	0.7274
26	27	26	280	1259.6662	353	106	11.90	66.0	135.5	77.2	0.4680	0.6542	0.7274
27	28	27	260	1259.6662	328	105	11.30	65.0	131.4	77.1	0.4680	0.6542	0.7274
28	29	28	253	1259.6662	318	106	10.90	66.0	127.0	81.4	0.4680	0.6542	0.7274
29	30	29	226	1259.6662	284	104	10.00	66.0	127.1	70.4	0.4680	0.6542	0.7274
30	31	30	54	1259.6662	67	106	2.40	60.0	126.7	81.7	0.4680	0.6542	0.7274
31	1	31	87	1259.6662	110								

Note: * - Manually entered data

E - Estimated volume

TOTAL	8051	10139	Weighted Average BTU = 1259.7170
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