



COLEMAN OIL & GAS, INC.

Bryan Lewis  
e-mail: cogblewis@yahoo.com

Wednesday, June 26, 2002

Ms. Lori Wrotenbery  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Mr. Jim Lovato  
Bureau Of Land Management  
1235 La Plata Highway, Suite A  
Farmington, NM 87401

RE: Application for Surface Commingling

Dear Ms. Wrotenbery and Mr. Lovato:

This is a request for approval to surface commingle the gas production from the wells listed below:

Township 24 North, Range 10 West, NMPM

S/2	Juniper <del>14-09</del> 9 #14	Section 09	SWSW	30636
w/2	Juniper 11 <del>11</del>	Section 16	NWNW	30481
E/2	Juniper <del>10-30</del>	Section 16	SWNE	30631
w/2	Juniper 01	Section 16	SWSW	(30-045-29593)
E/2	Juniper <del>41-17</del> 17 #41	Section 17	NENE	30635

Basin Fruitland Coal  
San Juan County, New Mexico

1. **Proposed System.** Initially, compression won't be incorporated into the production system. When compression is warranted, surface commingling will allow production through a single compressor, thereby allowing the containment of operating costs and prolonging the economic life of the wells. The wells will be commingled upstream of a CPD meter to reduce measurement costs. All wells will have an allocation meter on location. El Paso will maintain the CPD meter and the applicant, Coleman Oil & Gas, Inc. ("Coleman") will maintain the allocation meters. The gas will flow into the El Paso Natural Gas gathering system, lateral 10A3, in the NWNW of Section 10 – Twp 24N – Rge 10W.

**Application for Surface Commingling**

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2. **Location Map.** Exhibit 1 is a topographic map showing the locations of the wells subject to this Application for Surface Commingling.
3. **Well, Locations and Lease Numbers.** Exhibit 2 consists of acreage dedication plats for the subject wells. The wells and acreage dedications are tabulated below.

Juniper 14-09	Section 09	S/2	NM NM-101058
Juniper 11-16	Section 16	W/2	VO 5292
Juniper 32-16	Section 16	E/2	B-10889
Juniper 01	Section 16	W/2	VO 5292
Juniper 41-17	Section 17	E/2	NM NM-104606

Exhibit 3 is a list of the royalty, overriding royalty and working interest owners in the wells.

4. **Schematic Diagram.** Exhibits 5 through 5E are schematic diagrams of the proposed surface commingling facilities.
5. **Lease Use Gas.** Each well will have a pumping unit that uses approximately 1.5 MCFD of lease use gas and a separator that uses approximately 0.5 MCFD of lease use gas. When and if additional equipment is added to the system, such as a natural gas compressor, lease use gas to operate such equipment will be split equally between producing wells upstream of such equipment.
6. **Mechanical Integrity.** The entire system of flow lines will be 4" diameter - 0.188" wall thickness X42 steel pipe with an API pressure rating of 2370 psig. This line and all connections will be tested to 500 psig. The average operating pressure of El Paso's lateral 10A3 is 200 psig; the maximum operating pressure is 220 psig.
7. **Production – Gravity/BTU.** As of the date of this Application, the wells have not produced commercially. No production data is currently available. Gas Analysis reports are attached as Exhibit 4. None of the wells produces liquid hydrocarbons.
8. **Allocation Formula.** All wells will have an allocation meter on location. The production assigned to each well will be the integrated volume from the CPD meter less the sum of the other allocation meters plus lease use gas. As an example<sup>1</sup>, the CPD meter indicates total production of 3,325 MCF. Other well 1 allocation meter indicates 400 MCF production. Other well 2 allocation meter indicates 350 MCF production. Other well 3 allocation meter indicates 1,200 MCF production. Other well 4 allocation meter indicates 275 MCF production. The sum of these other well allocation meters is 2,225 MCF. CPD meter of 3,325 MCF less the sum of other allocation meters of 2,225 MCF plus lease use gas of 2 MCF is 1,102 MCF, the calculated production of the well in question. When the sum of the allocation meters doesn't equal the CPD meter, the gas production from each well will be calculated

**Application for Surface Commingling**

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according to the volume its allocation meter indicates was produced divided by the sum of all of the allocation meters (percent) multiplied by the CPD meter indicated production plus lease use gas. As an example<sup>2</sup>, the CPD meter indicates an integrated volume of 40,000 MCF gas was produced but the sum of the allocation meters indicate that 39,000 MCF was produced. The allocation meter of the well in question indicates 10,000 MCF of production divided by the sum of the allocation meters (39,000 MCF) equals 25.64% multiplied by the CPD meter volume of 40,000 MCF equals 10,256 MCF plus lease use gas of 60 MCF totals 10,316 MCF, the calculated production of the well in question. Royalties will be paid on the volumes according to applicable MMS and State of New Mexico guidelines.

9. **Line Purging.** It is anticipated that line purging will occur infrequently. Any lost gas due to purging the system will be allocated equally to each of the wells.
10. **Purged Fluids.** Any fluids purged will be natural gas and condensed water vapor.
11. **Meter Calibration Schedule.** El Paso will calibrate the CPD meter at least once each quarter, more frequently with higher gas volumes. Coleman will calibrate the allocation meters semi annually.
12. **Gas Analysis Schedule.** El Paso Field Services will analyze the gas from the commingled stream at least twice a year, more frequently with higher gas volumes.
13. **Effective Date.** The system will be placed in service as soon as this Application is approved and all wells are productive and facilities are operational.

Sincerely,

COLEMAN OIL & GAS, INC.



Bryan Lewis  
Landman

*Attachments:*

*Exhibit 1*

*Exhibit 2*

*Exhibit 3*

*Exhibit 4*

*Exhibit 5 – 5E*

*Topographic maps*

*Acreage dedication plats*

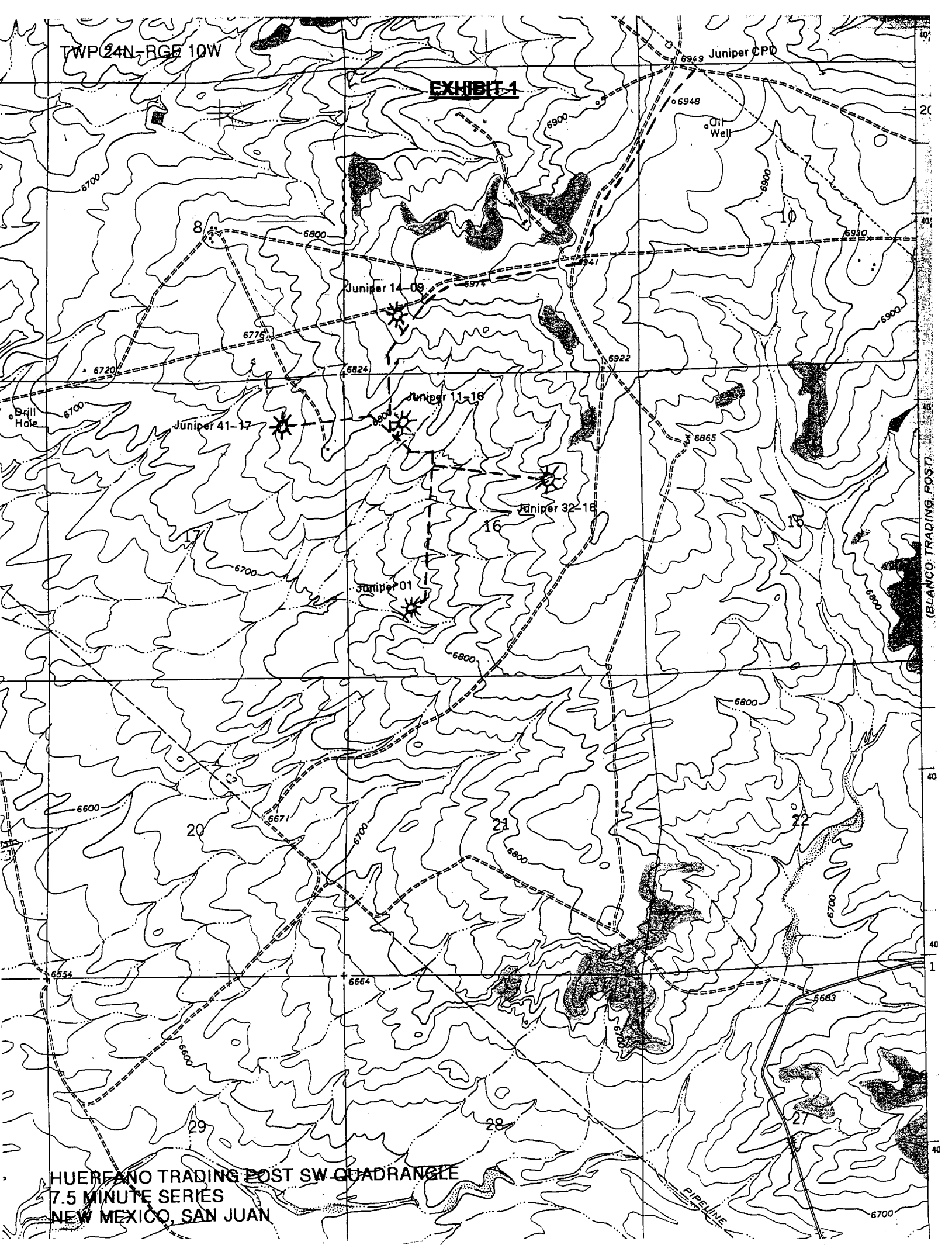
*List of owners in leases*

*Gas Analysis reports*

*Schematic Diagrams*

TWP 24N-RGE 10W

**EXHIBIT 1**



HUEREANO TRADING POST SW QUADRANGLE  
7.5 MINUTE SERIES  
NEW MEXICO, SAN JUAN

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-045-29593</b>		*Pool Code <b>71629</b>	*Pool Name <b>Basin Fruitland Coal</b>
*Property Code <b>23294</b>	*Property Name <b>JUNIPER</b>		*Well Number <b>1</b>
*OGRID No. <b>037581</b>	*Operator Name <b>THOMPSON ENGINEERING AND PRODUCTION CORPORATION</b>		*Elevation <b>6764'</b>

<sup>10</sup> Surface Location

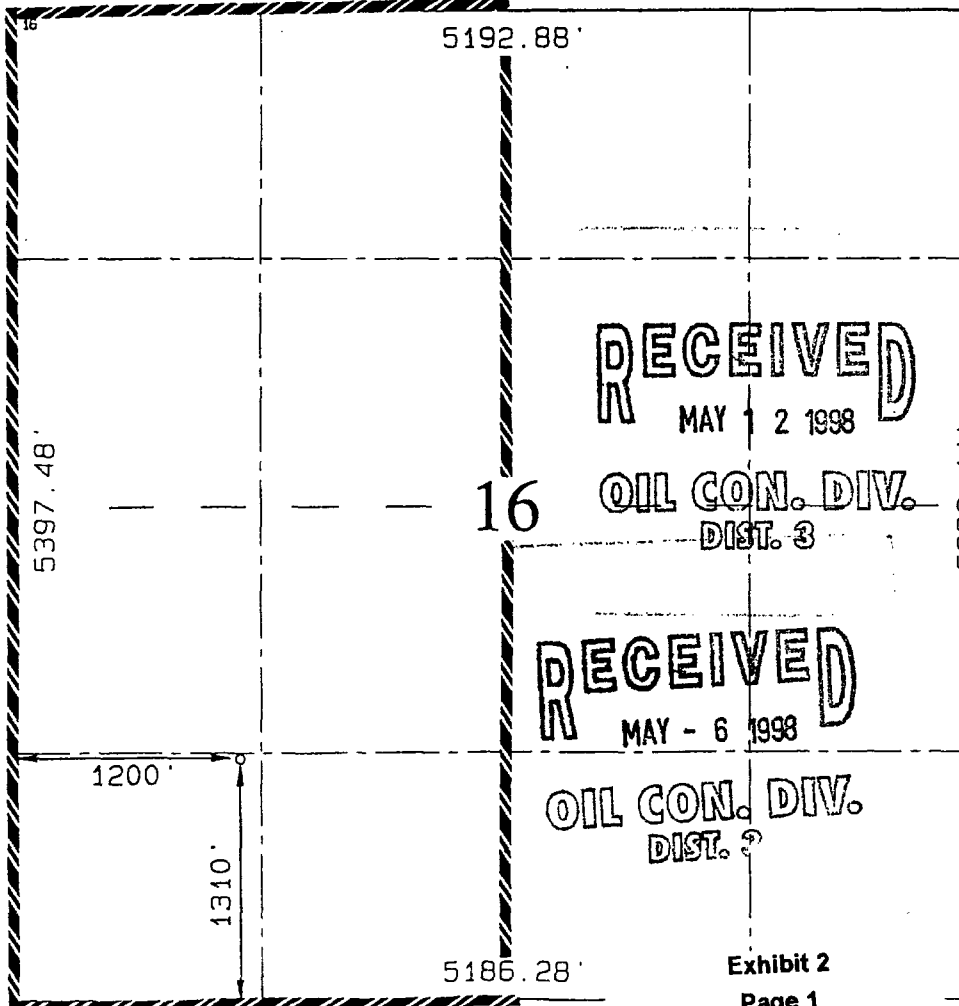
UL or lot no. <b>M</b>	Section <b>16</b>	Township <b>24N</b>	Range <b>10W</b>	Lot Idn	Feet from the <b>1310</b>	North/South line <b>SOUTH</b>	Feet from the <b>1200</b>	East/West line <b>WEST</b>	County <b>SAN JUAN</b>
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres <b>W/320</b>	<sup>13</sup> Joint or Infill <b>N</b>	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>RECEIVED</b> MAY 1 2 1998 <b>OIL CON. DIV.</b> DIST. 3</p> <p><b>RECEIVED</b> MAY - 6 1998 <b>OIL CON. DIV.</b> DIST. ?</p>	<p><sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Paul C. Thompson</i> Signature <b>Paul C. Thompson</b> Printed Name <b>President</b> Title <b>5/5/98</b> Date</p> <p><sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p><b>APRIL 14, 1998</b> Date of Survey Signature and Seal of Professional Surveyor <b>NEALE C. EDWARDS</b> <b>NEW MEXICO</b> <b>6857</b> Professional Surveyor Certification Number</p>
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District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

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1000 Rio Brazos Rd., Aztec, NM 87410

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WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code	*Property Name JUNIPER		*Well Number 11 <i>ME</i>
*GRID No. 004838	*Operator Name COLEMAN OIL & GAS, INC.		*Elevation 6784'

<sup>10</sup> Surface Location

U. or lot no.	Section	Township	Range	Lot Idh	Feet from the	North/South line	Feet from the	East/West line	County
D	16	24N	10W		975	NORTH	1075	WEST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idh	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320		<sup>13</sup> Joint or Infill J		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
	Signature Paul C. Thompson
	Printed Name Agent
	Title 1/8/01
Date	<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	AUGUST 9, 2000 Date of Survey
	Signature and Seal of Surveyor 
	Certificate No. 6857

1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

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PO Box 2088, Santa Fe, NM 87504-2088

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WELL LOCATION AND ACREAGE DEDICATION PLAT--

*API Number <b>30-045-30631</b>		*Pool Code <b>71629</b>	*Pool Name <b>BASIN FRUITLAND COAL</b>
*Property Code <b>27966</b>	*Property Name <b>JUNIPER 16</b>		*Well Number <b>32</b>
*OGRID No. <b>4838</b>	*Operator Name <b>COLEMAN OIL &amp; GAS, INC.</b>		*Elevation <b>6844'</b>

<sup>10</sup> Surface Location

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	24N	10W		1750	NORTH	1545	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres <b>320</b>	<sup>13</sup> Joint or Infill <b>J</b>	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div data-bbox="259 1191 584 1532"></div> <div data-bbox="503 1085 649 1127">5192.88'</div> <div data-bbox="730 1170 779 1255">1750'</div> <div data-bbox="876 1383 974 1447">1545'</div> <div data-bbox="535 1532 617 1596">16</div> <div data-bbox="97 1489 146 1638">5397.48'</div> <div data-bbox="1006 1489 1055 1638">5368.44'</div> <div data-bbox="503 2000 665 2042">5186.28'</div>	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Paul C. Thompson</i> Signature Paul C. Thompson Printed Name Agent Title 4/9/01 Date</p> <p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>AUGUST 9, 2000 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number 6857</p>
	<p>Exhibit 2 Page 3</p>

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2001 APR 12 PM 1:15

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WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code	*Property Name JUNIPER 9		*Well Number 14
*GRID No.	*Operator Name COLEMAN OIL & GAS, INC.		*Elevation 6876'

<sup>10</sup> Surface Location

UL or lot no. M	Section 9	Township 24N	Range 10W	Lot Idn	Feet from the 1075	North/South line SOUTH	Feet from the 975	East/West line WEST	County SAN JUAN
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320		<sup>13</sup> Joint or Infill J		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
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<sup>16</sup> 5397.48'	5182.98'	9	5368.44'	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Paul C. Thompson Signature Paul C. Thompson Printed Name Agent Title 4/9/01 Date
	5192.88'			
Exhibit 2 Page 4				



District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

2001 APR 12 PM 1:14 AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT --

'API Number	'Pool Code 71629	'Pool Name BASIN FRUITLAND COAL
'Property Code	'Property Name JUNIPER 17	'Well Number 41
'OGRID No.	'Operator Name COLEMAN OIL & GAS, INC.	'Elevation 6766'

### 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	24N	10W		900	NORTH	1140	EAST	SAN JUAN

<sup>11</sup>Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320		<sup>13</sup> Joint or Infill J		<sup>14</sup> Consolidation Code Com		<sup>15</sup> Order No. Pending			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
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2651.88'

2616.24'

2676.30'

2627.46'

2632.74'

2626.14'

1140'

900'

5397.48'

17

Exhibit 2  
Page 5

**EXHIBIT "3"**  
**LIST OF OWNERS**

	Juniper 14-09 NM NM-101058	Juniper 11-16 VO 5292	Juniper 32-16 B-10889	Juniper 01 VO 5292	Juniper 41-17 NM NM-104606
<b>Royalty Owners</b>					
DOI - MMS	0.12500000	0.00000000	0.00000000	0.00000000	0.12500000
State of New Mexico	0.00000000	0.16666667	0.12500000	0.16666667	0.00000000
<b>Overriding Royalty Owners</b>					
Daniel E. Gonzales	0.05000000	0.00000000	0.00000000	0.00000000	0.00000000
Merrion Oil & Gas Corp.	0.00000000	0.00000000	0.01250000	0.00000000	0.00000000
KOCH Exploration Co., etal	0.00000000	0.00000000	0.05625000	0.00000000	0.00000000
<b>Working Interest Owners</b>					
Coleman Oil & Gas, Inc. etal	0.41250000	0.41666667	0.40312500	0.41666667	0.43750000
EOG Resources, Inc.	0.41250000	0.41666667	0.40312500	0.41666667	0.43750000
<b>Total Revenue Interests</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>



Exhibit 4  
Page 1

2030 AFTON PLACE  
FARMINGTON, N.M. 87401  
(505) 325-6622

ANALYSIS NO. COG00002  
CUST. NO. 18200- 10005

### WELL/LEASE INFORMATION

CUSTOMER NAME	COLEMAN OIL AND GAS INC.	SOURCE	CASING
WELL NAME	JUNIPER #1	PRESSURE	208 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	70 DEG.F
LOCATION		WELL FLOWING	N
FIELD		DATE SAMPLED	6/21/00
FORMATION	FRUITLAND COAL	SAMPLED BY	MIKE HANSON
CUST.STN.NO.		FOREMAN/ENGR.	

### REMARKS

### ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	3.192	0.0000	0.00	0.0309
CO2	0.229	0.0000	0.00	0.0035
METHANE	95.642	0.0000	968.18	0.5298
ETHANE	0.932	0.2493	16.53	0.0097
PROPANE	0.000	0.0000	0.00	0.0000
I-BUTANE	0.000	0.0000	0.00	0.0000
N-BUTANE	0.000	0.0000	0.00	0.0000
I-PENTANE	0.000	0.0000	0.00	0.0000
N-PENTANE	0.000	0.0000	0.00	0.0000
HEXANE PLUS	0.005	0.0022	0.26	0.0002
TOTAL	100.000	0.2515	984.97	0.5740

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\* @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0020
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	986.9
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	969.8
REAL SPECIFIC GRAVITY		0.5752

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	981.6
DRY BTU @ 14.696	984.7
DRY BTU @ 14.730	986.9
DRY BTU @ 15.025	1,006.7

CYLINDER #	K003
CYLINDER PRESSURE	204 PSIG
DATE RUN	6/22/00
ANALYSIS RUN BY	DAWN OLDS



Exhibit 4  
Pages 2 & 3

2030 AFTON PLACE  
FARMINGTON, N.M. 87401  
(505) 325-6622

ANALYSIS NO. CM220025  
CUST. NO. 18200 - 10125

### WELL/LEASE INFORMATION

CUSTOMER NAME	COLEMAN OIL AND GAS INC.	SOURCE	CASING
WELL NAME	JUNIPER 11-16	PRESSURE	270 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	70 DEG.F
LOCATION		WELL FLOWING	N
FIELD		DATE SAMPLED	6/25/02
FORMATION	BASIN FC	SAMPLED BY	MIKE HANSON
CUST. STR. NO.		FOREMAN/ENGR.	

REMARKS WELL SHUT IN

### ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	2.874	0.0000	0.00	0.0278
CO2	0.202	0.0000	0.00	0.0031
METHANE	95.976	0.0000	971.57	0.5316
ETHANE	0.943	0.2523	16.73	0.0098
PROPANE	0.002	0.0008	0.05	0.0000
I-BUTANE	0.000	0.0000	0.00	0.0000
N-BUTANE	0.000	0.0000	0.00	0.0000
I-PENTANE	0.000	0.0000	0.00	0.0000
N-PENTANE	0.000	0.0000	0.00	0.0000
HEXANE PLUS	0.003	0.0013	0.15	0.0001
TOTAL	100.000	0.2541	986.50	0.5724

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\* @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0020
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	990.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	973.2
REAL SPECIFIC GRAVITY		0.5735

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	985.1
DRY BTU @ 14.698	988.2
DRY BTU @ 14.730	990.5
DRY BTU @ 15.025	1,010.3

CYLINDER #	042
CYLINDER PRESSURE	263 PSIG
DATE RUN	6/26/02
ANALYSIS RUN BY	JANA CARANTA



COLEMAN OIL AND GAS INC.  
WELL ANALYSIS COMPARISON

LEASE : JUNIPER 11-16

CASING  
BASIN FC

6/28/02  
18200- 10125

STN.NO. :

SAMPL DATE	6/25/02	1/31/02
TEST DATE	6/26/02	2/4/02
RUN NR.	CM220025	CO220001
NITROGEN	2.874	3.313
CO2	0.202	0.050
METHANE	95.976	95.687
ETHANE	0.943	0.950
PROPANE	0.002	0.000
I-BUTANE	0.000	0.000
N-BUTANE	0.000	0.000
I-PENTANE	0.000	0.000
N-PENTANE	0.000	0.000
HEXANE +	0.003	0.000
BTU	990.5	987.4
GPM	0.2539	0.2539
SP.GRAV.	0.5735	0.5738



Exhibit 4  
Page 4

2030 AFTON PLACE  
FARMINGTON, N.M. 87401  
(505) 325-6622

ANALYSIS NO. CM220026  
CUST. NO. 18200 - 10160

### WELL/LEASE INFORMATION

CUSTOMER NAME	COLEMAN OIL AND GAS INC.	SOURCE	CASING
WELL NAME	JUNIPER 14-9	PRESSURE	5 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	70 DEG.F
LOCATION		WELL FLOWING	N
FIELD		DATE SAMPLED	6/25/02
FORMATION	BASIN FC	SAMPLED BY	MIKE HANSON
CUST. STU. NO.		FOREMAN/ENG.	

REMARKS WELL SHUT IN  
CHARGED WITH HELIUM TO 30%  
UNNORMALIZED MOLE PERCENT = 40.877  
ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	7.883	0.0000	0.00	0.0772
CO2	0.028	0.0000	0.00	0.0004
METHANE	91.062	0.0000	921.82	0.5044
ETHANE	0.927	0.2480	16.44	0.0096
PROPANE	0.000	0.0000	0.00	0.0000
I-BUTANE	0.000	0.0000	0.00	0.0000
N-BUTANE	0.000	0.0000	0.00	0.0000
I-PENTANE	0.000	0.0000	0.00	0.0000
N-PENTANE	0.000	0.0000	0.00	0.0000
HEXANE PLUS	0.000	0.0000	0.00	0.0000
TOTAL	100.000	0.2480	938.28	0.5617

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY  
\*\* @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/2) 1.0018  
BTU/CU.FT (DRY) CORRECTED FOR (1/2) 940.0  
BTU/CU.FT (WET) CORRECTED FOR (1/2) 923.6  
REAL SPECIFIC GRAVITY 0.5927

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 934.8  
DRY BTU @ 14.696 937.8  
DRY BTU @ 14.730 940.0  
DRY BTU @ 15.025 958.8

CYLINDER # A034  
CYLINDER PRESSURE 23 PSIG  
DATE RUN 6/26/02  
ANALYSIS RUN BY JANA CARANTA



Exhibit 4  
Page 5

2030 AFTON PLACE  
FARMINGTON, N.M. 87401  
(505) 325-8622

ANALYSIS NO. CM220027  
CUST. NO. 18200 - 10185

### WELL/LEASE INFORMATION

CUSTOMER NAME	COLEMAN OIL AND GAS INC.	SOURCE	CASING
WELL NAME	JUNIPER 32-16	PRESSURE	130 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	70 DEG.F
LOCATION		WELL FLOWING	N
FIELD		DATE SAMPLED	6/25/02
FORMATION	BASIN FC	SAMPLED BY	MIKE HANSON
CUST.BTN.NO.		FOREMAN/ENG.	

REMARKS WELL SHUT IN

### ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	8.473	0.0000	0.00	0.0820
CO2	0.004	0.0000	0.00	0.0001
METHANE	91.206	0.0000	923.28	0.5052
ETHANE	0.311	0.0832	5.52	0.0032
PROPANE	0.000	0.0000	0.00	0.0000
I-BUTANE	0.000	0.0000	0.00	0.0000
N-BUTANE	0.000	0.0000	0.00	0.0000
I-PENTANE	0.000	0.0000	0.00	0.0000
N-PENTANE	0.000	0.0000	0.00	0.0000
HEXANE PLUS	0.008	0.0026	0.31	0.0002
TOTAL	100.000	0.0858	929.11	0.5806

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\* @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/2)	1.0018
BTU/CU.FT (DRY) CORRECTED FOR	(1/2)	930.8
BTU/CU.FT (WET) CORRECTED FOR	(1/2)	914.8
REAL SPECIFIC GRAVITY		0.5818

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.850	925.7
DRY BTU @ 14.896	928.6
DRY BTU @ 14.730	930.8
DRY BTU @ 15.025	949.4

CYLINDER #	AZT019
CYLINDER PRESSURE	118 PSIG
DATE RUN	6/26/02
ANALYSIS RUN BY	JANA CARANTA



Exhibit 4  
Page 6

2030 AFTON PLACE  
FARMINGTON, N.M. 87401  
(505) 325-6622

ANALYSIS NO. CM220028  
CUST. NO. 18200 - 10170

### WELL/LEASE INFORMATION

CUSTOMER NAME	COLEMAN OIL AND GAS INC.	SOURCE	CASING
WELL NAME	JUNIPER 41-17	PRESSURE	220 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	70 DEG.F
LOCATION		WELL FLOWING	N
FIELD		DATE SAMPLED	8/25/02
FORMATION	BASIN FC	SAMPLED BY	MIKE HANSON
CUST. STN. NO.		FOREMAN/ENG.	

REMARKS SHUT IN

### ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	4.218	0.0000	0.00	0.0408
CO2	0.004	0.0000	0.00	0.0001
METHANE	84.854	0.0000	960.21	0.5254
ETHANE	0.921	0.2484	16.34	0.0096
PROPANE	0.001	0.0003	0.03	0.0000
I-BUTANE	0.000	0.0000	0.00	0.0000
N-BUTANE	0.000	0.0000	0.00	0.0000
I-PENTANE	0.000	0.0000	0.00	0.0000
N-PENTANE	0.000	0.0000	0.00	0.0000
HEXANE PLUS	0.002	0.0009	0.10	0.0001
TOTAL	100.000	0.2475	976.68	0.5759

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\* @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0019
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	978.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	961.5
REAL SPECIFIC GRAVITY	0.5771

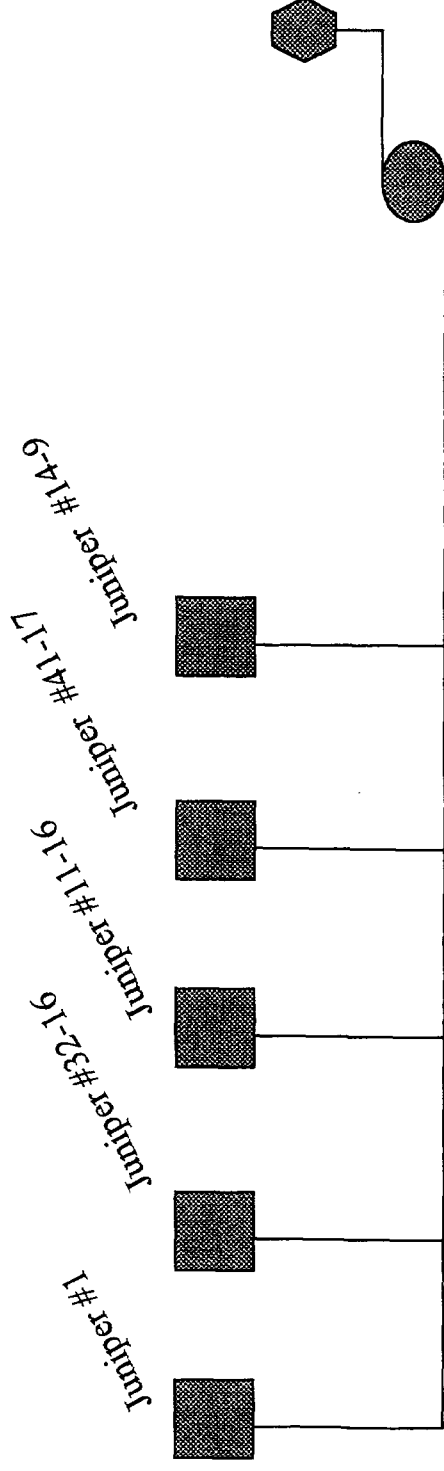
ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	973.2
DRY BTU @ 14.696	976.3
DRY BTU @ 14.730	978.5
DRY BTU @ 15.025	986.1

CYLINDER #	040
CYLINDER PRESSURE	230 PSIG
DATE RUN	8/26/02
ANALYSIS RUN BY	JANA CARANTA



# Juniper CPD Surface Commingle



Compressor, None at this time      Fuel Usage: 0 MCF/d

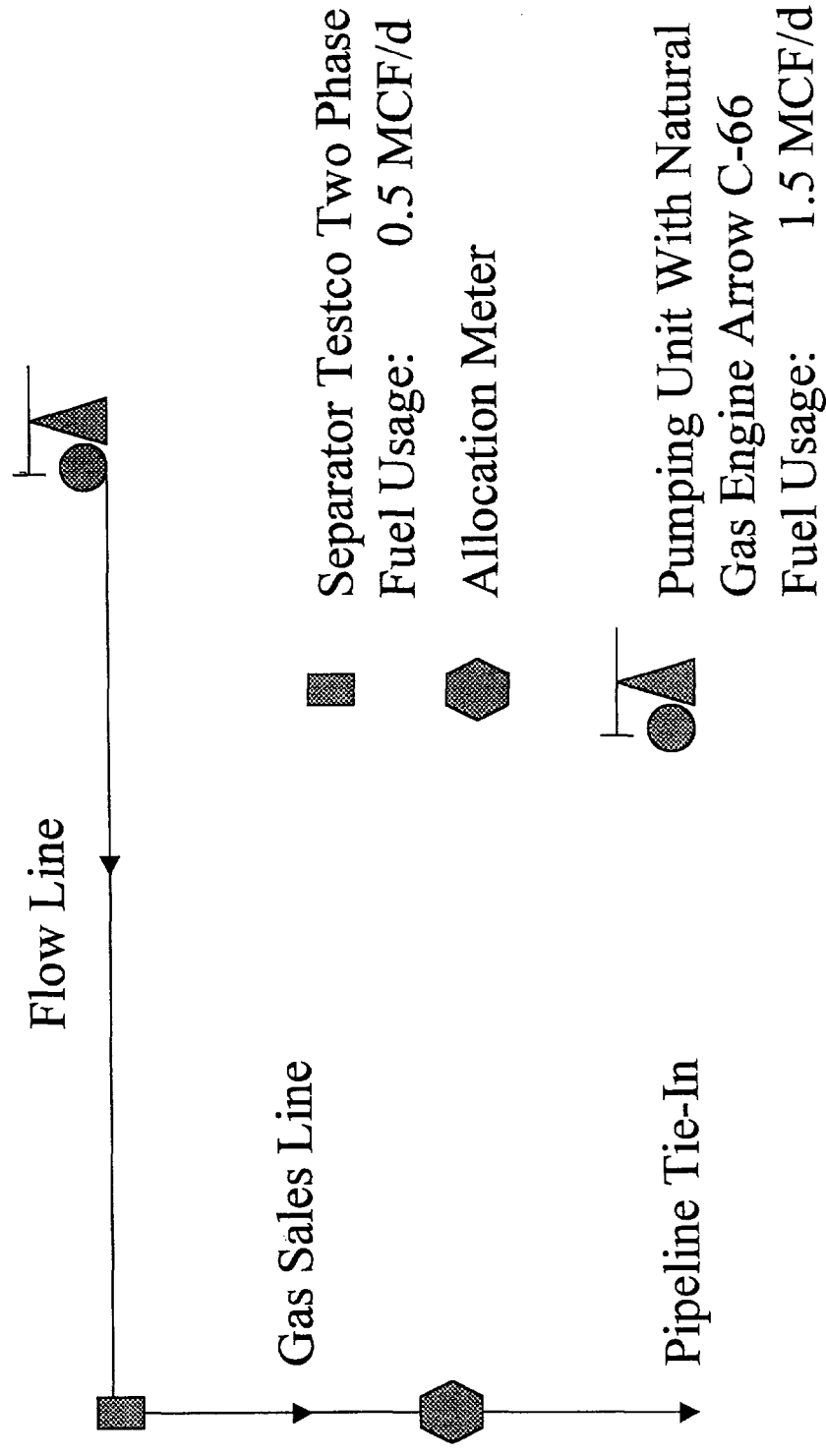
El Paso Juniper CPD Meter

Location Pad

06/21/2002

Exhibit 5

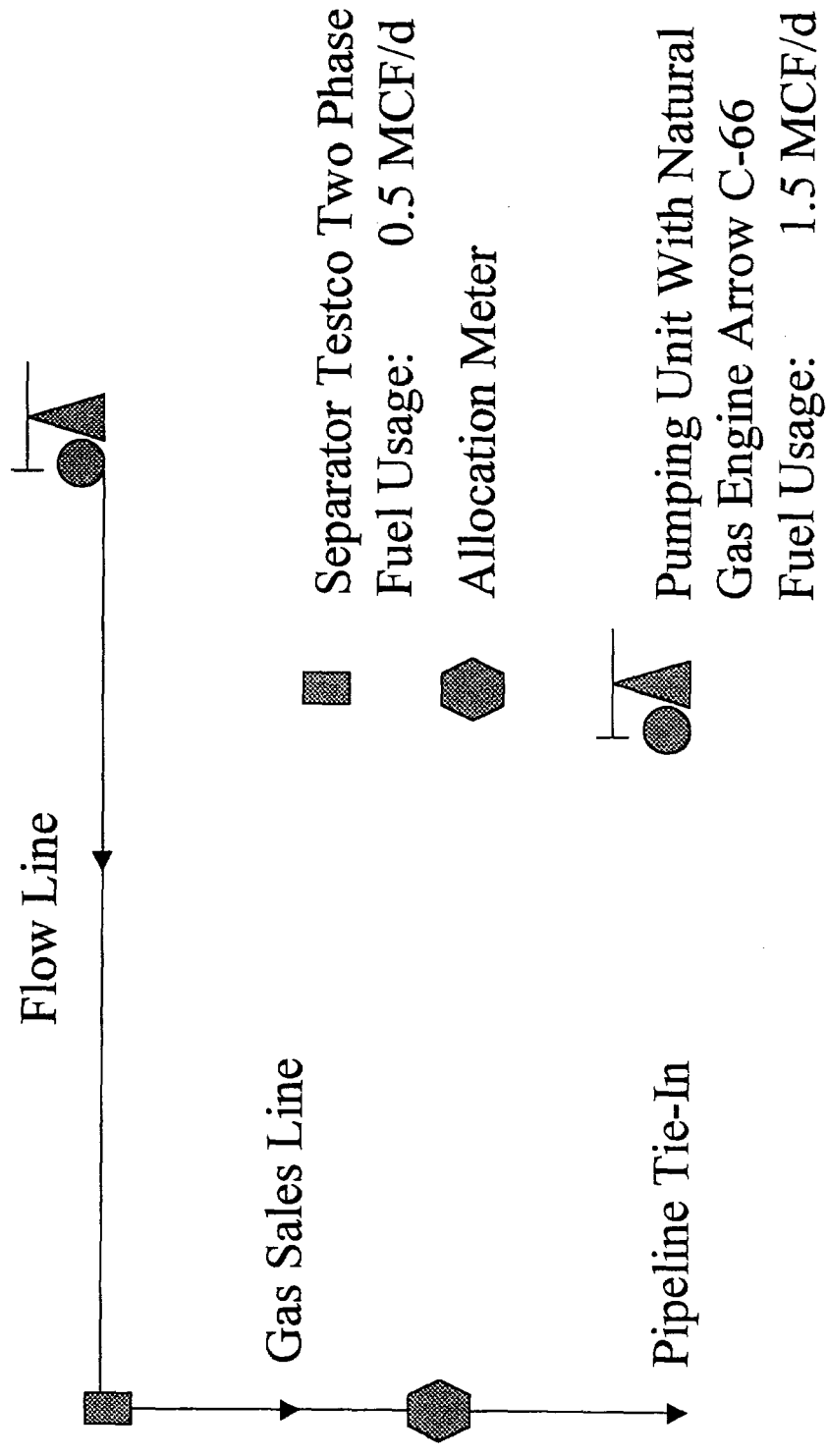
# Juniper #1 Surface Facility



06/20/2002

Exhibit 5A

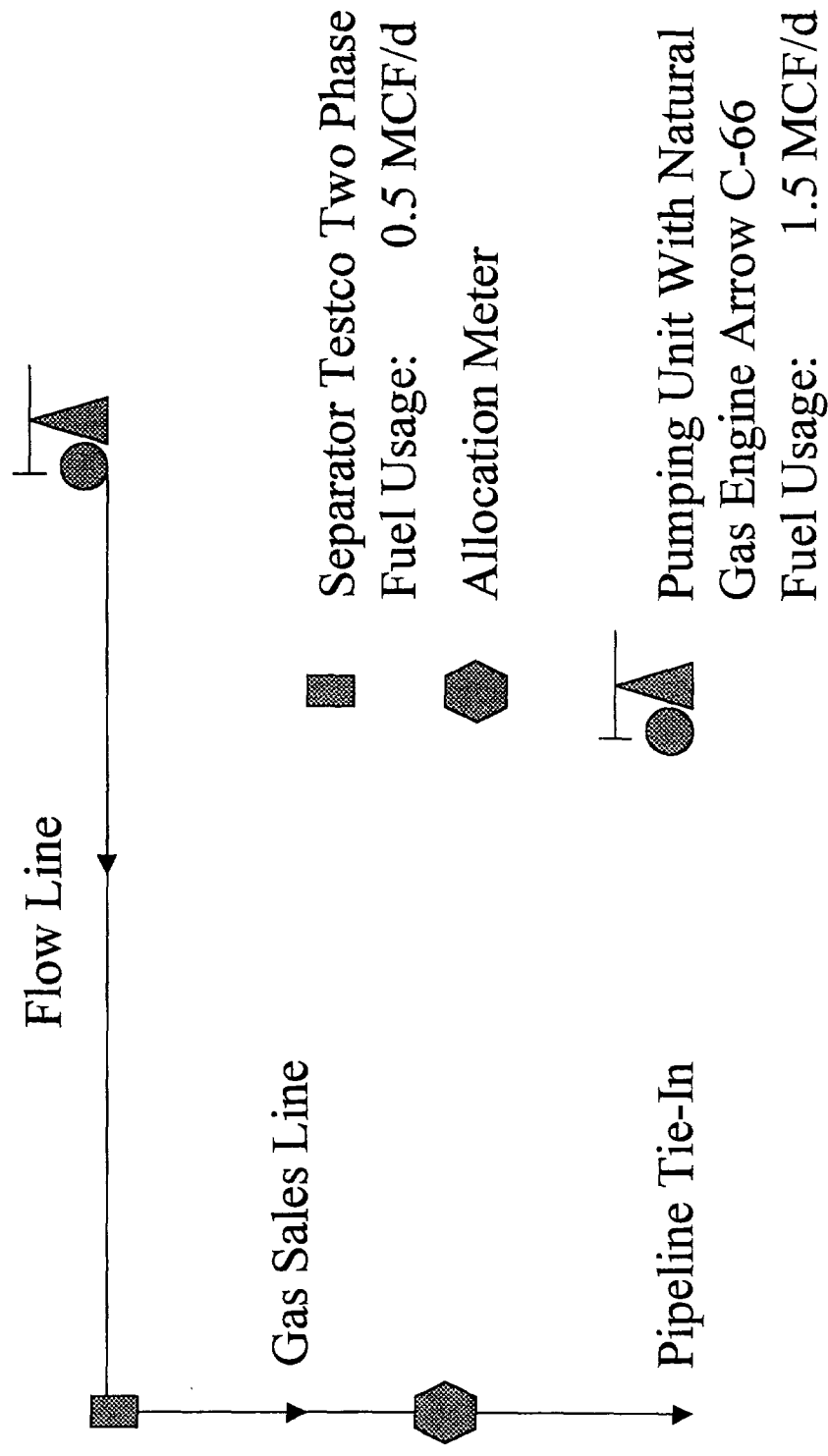
# Juniper #32-16 Surface Facility



06/20/2002

Exhibit 5B

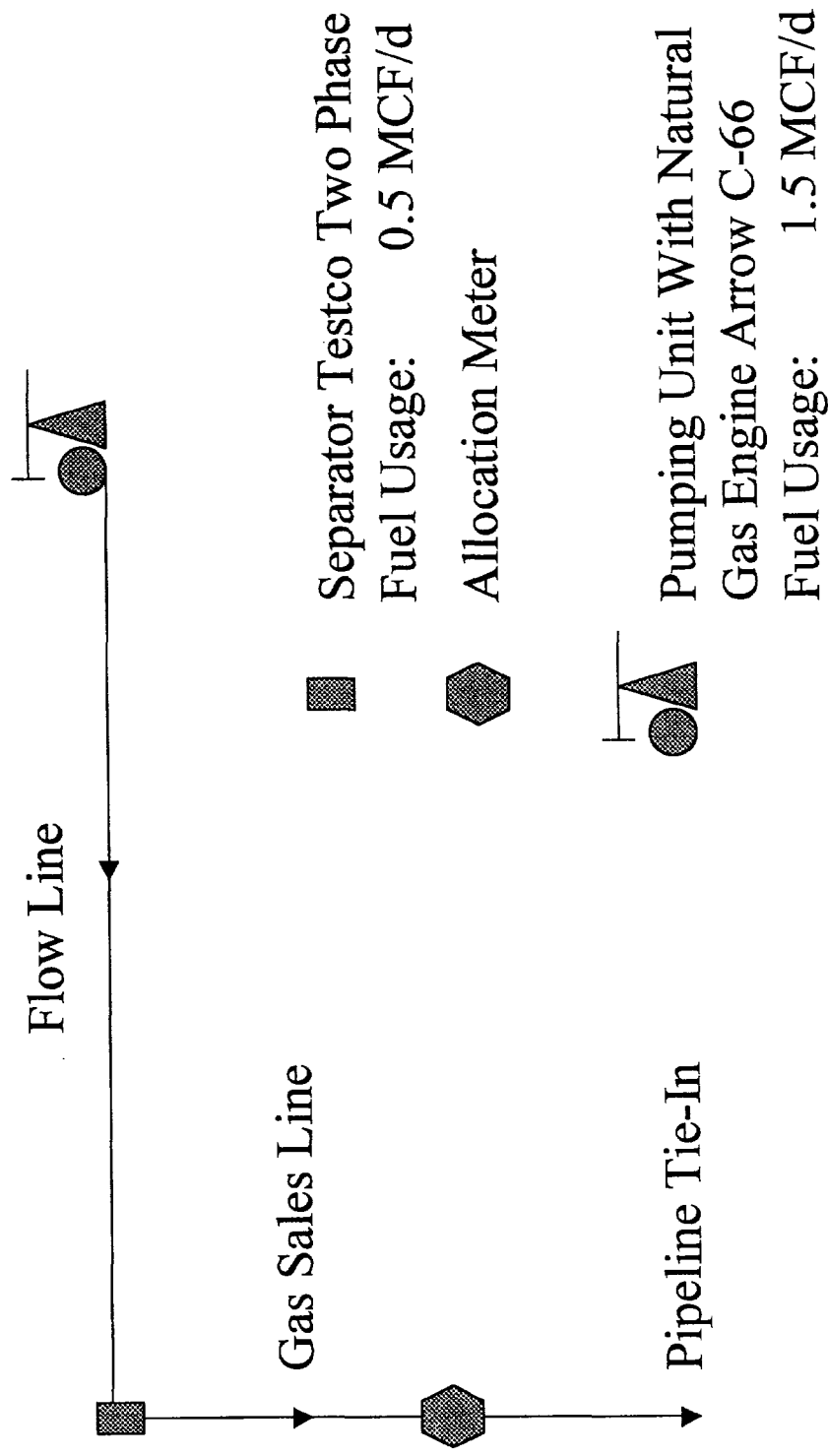
# Juniper #11-16 Surface Facility



06/20/2002

Exhibit 5C

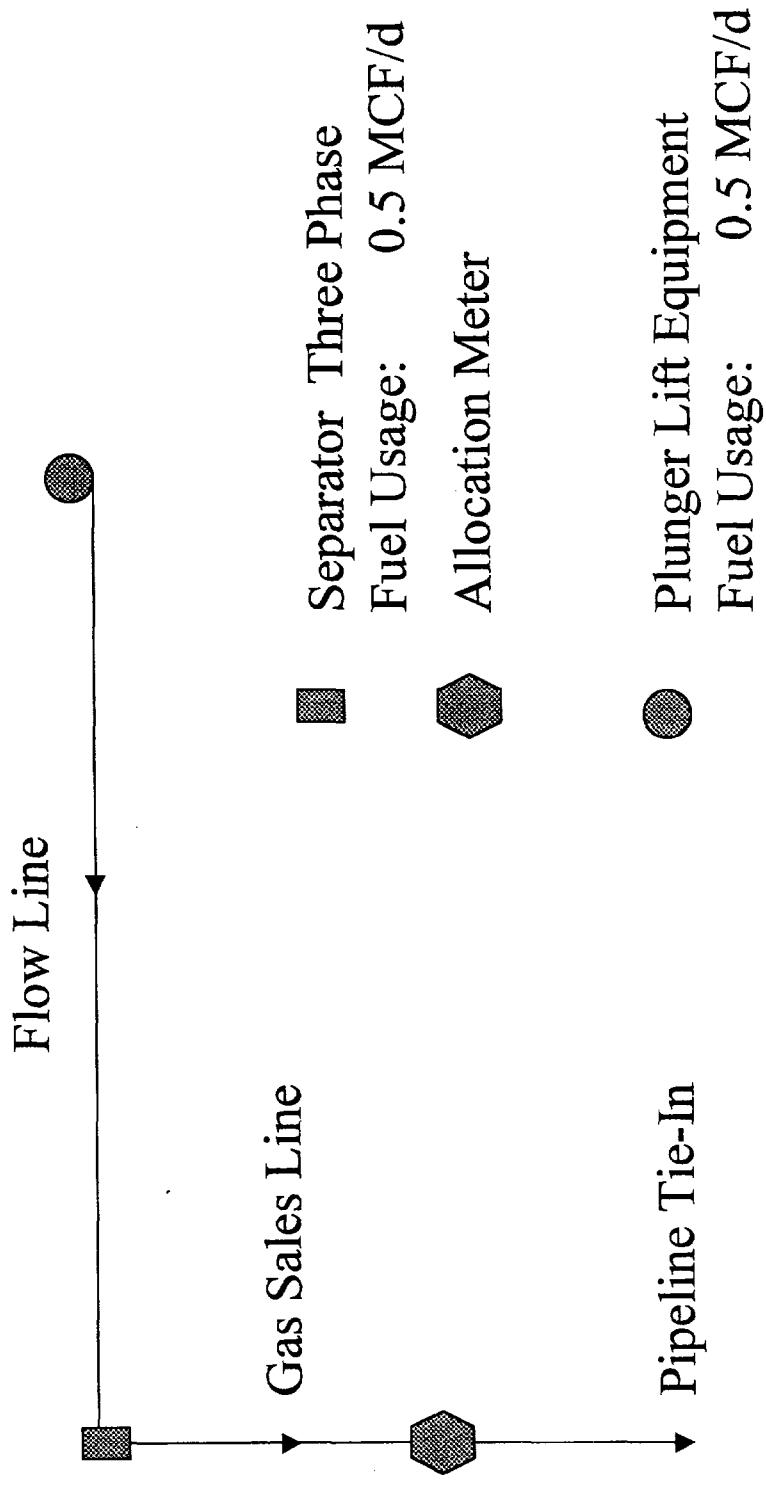
# Juniper #41-17 Surface Facility



06/20/2002

Exhibit 5D

# Juniper #14-9 Surface Facility



06/20/2002

Exhibit 5E