

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

MAR - 6 2002

- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR
- [D] Other: Specify \_\_\_\_\_

- [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or  Does Not Apply
- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by ~~BLM~~ or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,  
*\* copy of notice letter is presented as Attachment  
 No. 80 Copies of Certified Return Receipts will  
 be mailed to NMCO upon Receipt.*
- [F]  Waivers are Attached

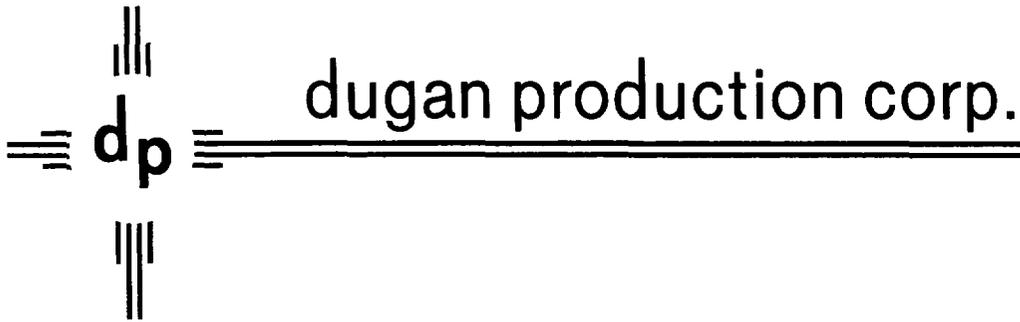
[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

John D. Roe      John D. Roe      Engineering MGR      3/5/02  
 Print or Type Name      Signature      Title      Date

dugan@cpnet.com  
 e-mail Address



March 5, 2002

Ms. Lori Wrotenbery, Director  
New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Mr. Ray Powell, Commissioner  
New Mexico State Land Office  
P.O. Box 1148  
Santa Fe, NM 87504-1148

Re: Application to add one well  
Dugan Production Corp.'s  
State Com No. 2 CDP  
NMOCD Comingling Order PLC-153  
San Juan County, New Mexico

Dear Ms. Wrotenbery and Mr. Powell,

We are writing to request your administrative approvals to add Dugan Production's State Com No. 90R to the Central Delivery Sales Meter (CDP) currently approved for Dugan's State Com No. 2 and 90 wells (NMOCD Commingling Order PLC-153 dated 02/22/99). This will require the surface commingling plus off-lease measurement and sale of natural gas produced from the State Com No. 90R. All three wells are operated by Dugan Production Corp. and have a common spacing unit comprising five State leases and 320 acres in the north half of Section 16, T-32N, R-12W. The North half spacing unit is communitized for the Fruitland Coal in the State Com No. 90 and the Mesaverde in the State Com No. 2. The State Com No. 90R Fruitland Coal completion will be included in the communitization agreement established for the State Com No. 90. Since the special pool rules for the Basin Fruitland Coal pool will not allow multiple wells within a 320 acre spacing unit, we plan to shut in the State Com No. 90 and will either temporarily or permanently abandon the wellbore upon establishing a Fruitland Coal completion in the State Com No. 90R.

Attachment No. 1 presents a map of the gathering system, along with the leases within Section 16. All liquids (water and condensate) will be separated, stored, and sold or disposed of at each well. Only natural gas will be commingled after being measured with conventional, continuous recording allocation meters located at each well. The commingled gas stream will then be compressed and delivered to the CDP sales meter, which is operated and maintained by El Paso Field Services (El Paso Meter No. 89175) and is located at the No. 2 well.

Attachment No. 2 presents well information for the two wells currently approved for the CDP, along with information about the State Com No. 90R to be added. Attachment No. 3 presents the C-102 for each of the three wells.

Attachment No. 4 presents ownership information for all three wells. Although all three wells share a common spacing unit, the working interest ownership in the Mesaverde is not the same as in the Fruitland Coal; however, the royalty and overriding royalty interest ownership is the same in both zones for all three wells. Since there is a difference in working interest ownership, all gas production will be individually metered prior to commingling using allocation meters installed and maintained at each well by Dugan

Production Corp. The allocation meters will be continuous recording dry flow chart recorders, and the monthly charts will be integrated using a contract service to determine volumes for allocating CDP sales volumes to the individual wells.

Attachment No. 5 presents a drawing of the gathering system, along with individual well facilities. We currently plan to move production facilities from the State Com No. 90 to the State Com No. 90R and will probably temporarily abandon the No. 90 wellbore.

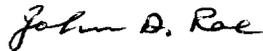
Attachment No. 6 presents the allocation procedure currently being used for the CDP and to be used for the State Com 90R. The gas streams from each well are believed to be compatible. Attachment No. 7 presents copies of a gas analysis from the Mesaverde in the State Com No. 2 and the Fruitland Coal in the State Com 90.

All interest owners are being sent a copy of this application by certified, return-receipt mail. Attachment No. 8 is a copy of the transmittal letter. Upon receiving the return receipts, we will forward copies to the NMOCD as evidence of interest owner notice.

In summary, Dugan Production Corp. is currently completing our State Com No. 90R in the Basin Fruitland Coal and proposes to connect this well to the existing gas CDP sales meter currently authorized for our State Com No. 2 and No. 90 wells. This will necessitate the surface commingling of natural gas, plus the off-lease measurement and sale of gas from the No. 90R well. This will allow using an existing compressor, which will reduce compressor fuel requirements, along with exhaust and noise emissions. Upon completion of the State Com No. 90R, the State Com No. 90 will be shut in and either temporarily or permanently abandoned.

Should there be questions or additional information needed, please let me know.

Sincerely,

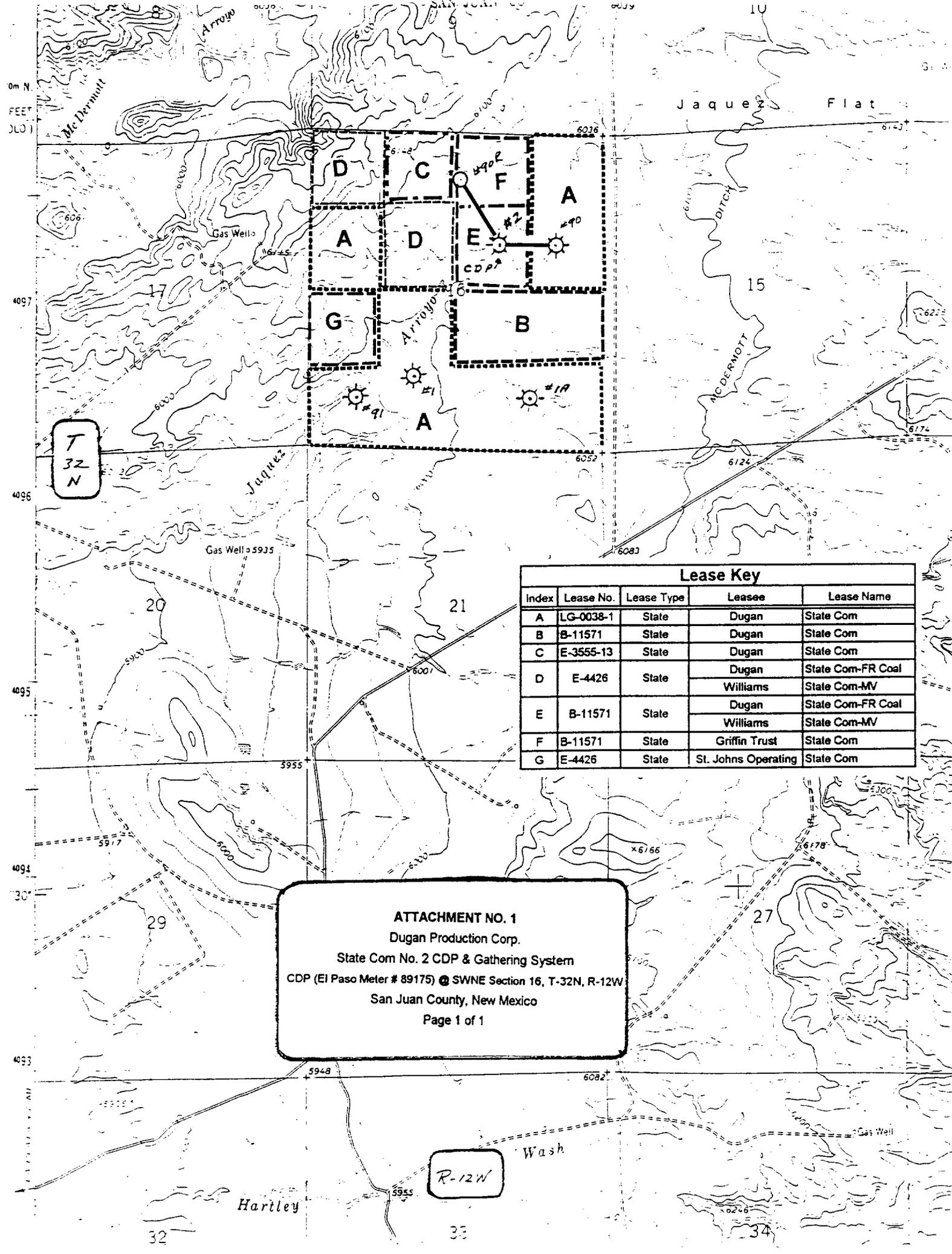


John D. Roe  
Engineering Manager

JDR:sh

cc: All interest owners (Attachment No. 8)  
NMOCD – Aztec

Attachments



Lease Key				
Index	Lease No.	Lease Type	Leasee	Lease Name
A	LG-0038-1	State	Dugan	State Com
B	B-11571	State	Dugan	State Com
C	E-3555-13	State	Dugan	State Com
D	E-4426	State	Dugan	State Com-FR Coal
			Williams	State Com-MV
E	B-11571	State	Dugan	State Com-FR Coal
			Williams	State Com-MV
F	B-11571	State	Griffin Trust	State Com
G	E-4426	State	St. Johns Operating	State Com

**ATTACHMENT NO. 1**  
 Dugan Production Corp.  
 State Com No. 2 CDP & Gathering System  
 CDP (El Paso Meter # 89175) @ SWNE Section 16, T-32N, R-12W  
 San Juan County, New Mexico  
 Page 1 of 1

ATTACHMENT NO. 2  
 DUGAN PRODUCTION CORP.  
 STATE COM 2 GAS GATHERING SYSTEM AND CDP  
 CDP Sales Meter @ G-16-32N-12W (EI Paso Meter No. 89175)  
 SAN JUAN COUNTY, NEW MEXICO

Well Name	API Number 30-045-	Well Location			CA Number	Pool	Completion Date	Current Production ①			Spacing Unit	Dates for SC, OLM & S ②			
		UL-Sec-Twn-Rng	Lease No.	Use Type				MCFD	BC/D	BW/ID		BLM Approval	NMSLO Approval	NMOCD Approval	
WELLS APPROVED FOR CDP METER															
State Com #2	21128	G-16-32N-12W	B-11571	State	State CA	Blanco Mesaverde	09/18/74	109	0.3	0.7	N/2 - 320A	01/29/99	N/A	03/03/99	02/22/99
State Com #90 ③	29680	H-16-32N-12W	LG-0038-1	State	State CA	Basin Fruitland Coal	02/02/99	53	0	3.0	N/2 - 320A	01/29/99	N/A	03/03/99	02/22/99
WELLS TO BE ADDED TO SYSTEM															
State Com #90R ④	29739	B-16-32N-12W	E-11571	State	State CA	Basin Fruitland Coal	Note 4	250	0	15	N/2 - 320A	pending	N/A	pending	pending

Notes:

- N/A - Not applicable or not needed.
1. Current production data represents daily average for 12/01 and 01/02. For wells not completed, data presents anticipated production rates.
  2. Application for surface commingling, of-lease measurement, and sale of natural gas. Applications are subject to approvals by the Bureau of Land Management (BLM), New Mexico State Land Office (NMSLO), and the New Mexico Oil Conservation Division (NMOCD). NMOCD's most recent order = Administrative Commingling Order PLG-153.
  3. Production to date from the State Com No. 90 has been disappointing. The State Com No. 90R is being drilled to hopefully produce a better well. Depending upon production from the 90R, the #90 will be shut in and either temporarily or permanently abandoned. Only one well (either the #90 or #90R) will be produced from the common N/2 spacing unit until such time as multiple wells are allowed within a standard Fruitland Coal spacing unit.
  4. The State Com No. 90R was spudded on 02/06/02. and 4-1/2" casing cemented @ 1,915'. Efforts to complete the Fruitland Coal are in progress and for testing, the State Com No. 90 will be shut in. Only one well (either the State Com No. 90R or the No. 90) will be produced from the common N/2 spacing unit until such time as multiple wells are allowed within a standard Fruitland Coal spacing unit.

District II  
PO Drawer 00, Artesia, NM 88211-0719

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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

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

AMENDED REPORT

*Attachment*  
No. 3  
Pg 1 of 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-045-29739</b>		*Pool Code <b>71629</b>	*Pool Name <b>BASIN FRUITLAND COAL</b>
*Property Code <b>3850</b>	*Property Name <b>STATE COM</b>		*Well Number <b>90R</b>
*CBFID No. <b>005515</b>	*Operator Name <b>DUGAN PRODUCTION CORPORATION</b>		*Elevation <b>6054'</b>

<sup>10</sup> Surface Location

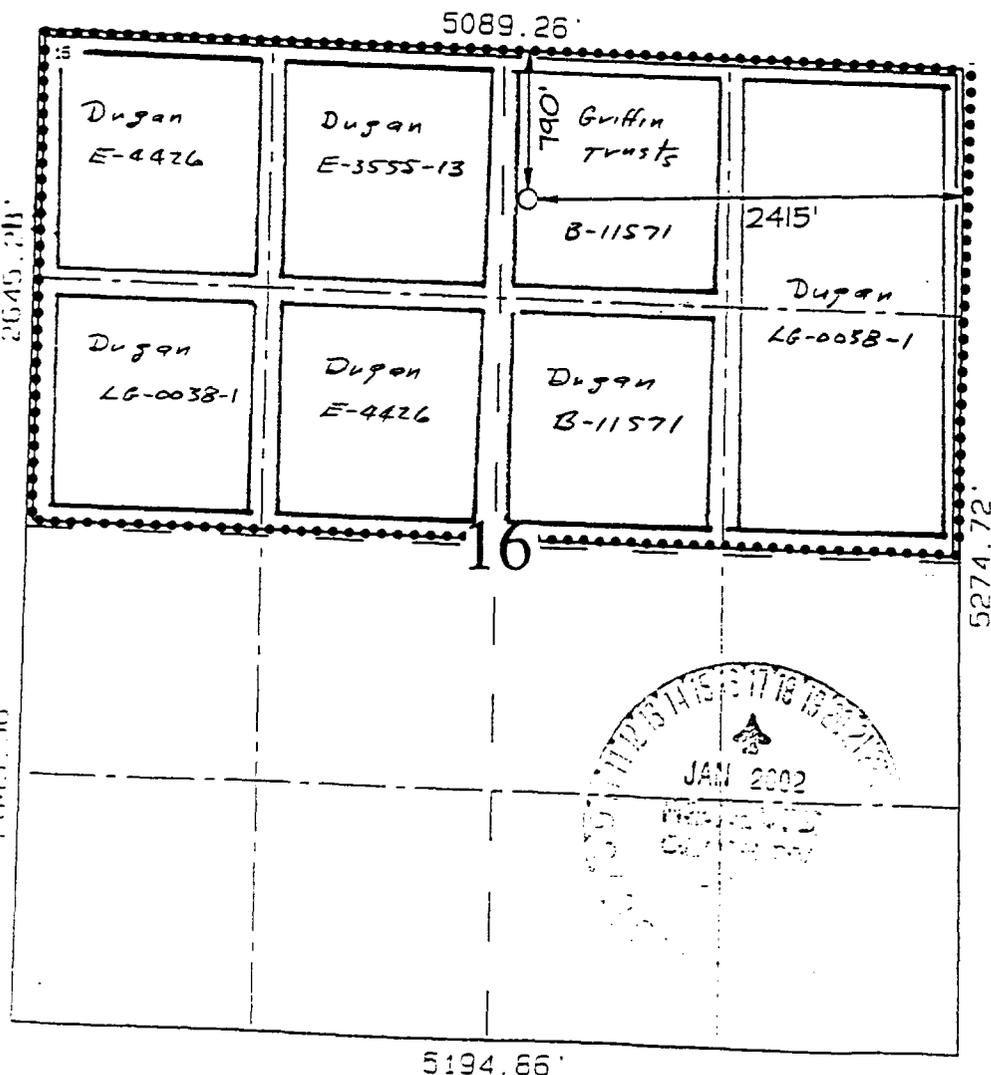
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
<b>E.</b>	<b>15</b>	<b>32N</b>	<b>12W</b>		<b>790</b>	<b>NORTH</b>	<b>2415</b>	<b>EAST</b>	<b>SAN JUAN</b>

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

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

<sup>12</sup> Dedicated Acres <b>320.0 Acres (N/2)</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code <b>C</b>	<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



<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:

*Kurt Fagrelius*  
Signature

**Kurt Fagrelius**  
Printed Name

**Geologist**  
Title

**1-17-02**  
Date

<sup>18</sup> SURVEYOR CERTIFICATION

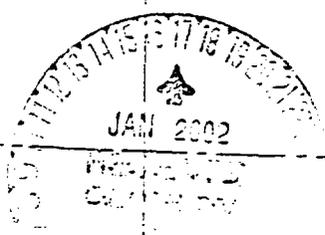
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Survey Date: **JANUARY 15, 2002**

Signature and Seal of Professional Surveyor



**JASON C. EDWARDS**  
Certificate Number **15259**



District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 PO Drawer DD, Artesia, NM 88211-0719  
 District III  
 1000 Rio Brazos Rd., Artec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
 Energy, Minerals & Natural Resources Department

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

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

AMENDED REPORT

Attachment  
 No. 3  
 Pg 2 of 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number 30 045 29680		* Pool Code 71629	* Pool Name Basin Fruitland Coal
* Property Code 003850	* Property Name State Com		* Well Number 90
* OGRID No. 006515	* Operator Name Dugan Production Corporation		* Elevation 6043' Estimated

<sup>10</sup> Surface Location

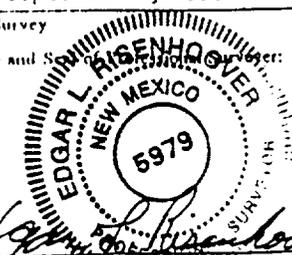
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	16	32N	12W	H	1850	North	790	East	San Juan

<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

* Dedicated Acres 320	* Joint or Infill	* Consolidation Code C	* Order No. To be communitized
--------------------------	-------------------	---------------------------	-----------------------------------

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

DPC E-4426	DPC E-3555-13	Griffin Trusts B-11571	DPC LG-0038-1  1850'	<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>John D. Roe</i></p> <p>Signature John D. Roe Printed Name Engineering Manager Title January 29, 1999 Date</p>
DPC LG-0038-1	DPC E-4426	DPC B-11571	790'	
<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>September 1, 1998 Date of Survey</p> <p>Signature and Seal of Surveyor:    <i>Edgar L. Risenhoover</i>        Certificate Number</p>				

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 811 South First, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals & Natural Resources Department

Form C-102  
 Revised October 18, 1994  
 Instructions on back  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

Submit to Appropriate District Office  
 AMENDED REPORT

Attachment  
 No. 3  
 Pg 3 of 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-21128	<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name Blanco Mesaverde
<sup>4</sup> Property Code 003850	<sup>5</sup> Property Name State Com	<sup>6</sup> Well Number 2
<sup>7</sup> OGRID No. 006515	<sup>8</sup> Operator Name Dugan Production Corp.	<sup>9</sup> Elevation 6013'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	32N	12W		1850	North	1730	East	San Juan

<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	<sup>14</sup> Consolidation Code C	<sup>15</sup> Order No. all communitized except NW NE (Griffin) which was forced pooled by Order No. R-4427 on 10-27-72						

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

Williams E-4426	DPC E-3555-13	Griffin Trusts B-11571 1850'	DPC LG 0038-1	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  <u>John D Roe</u> Signature John Roe Printed Name Engineering Manager Title January 29, 1999 Date
DPC LG-0038-1	Williams E-4426	Williams B-11571 1730'		
				<sup>18</sup> SURVEYOR CERTIFICATION <i>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.</i>  11-13-72 Date of Survey Signature and Seal of Professional Surveyer:  Original survey made & signed by James P. Leese Certificate Number 1463

Attachment No. 4  
Interest Ownership  
320 Acre N/2 Spacing Unit  
Section 16, T-32N, R-12W  
San Juan County, New Mexico

	State Com #90 Basin Fruitland Coal <u>H-16-T32N-R12W</u>		State Com #2 Blanco Mesaverde <u>G-16-T32N-R12W</u>		State Com #90R Basin Fruitland Coal <u>B-16-T32N-R12W</u>	
	<u>WI-%</u>	<u>NI-%</u>	<u>WI-%</u>	<u>NI-%</u>	<u>WI-%</u>	<u>NI-%</u>
<b><u>Working Interest Owners</u></b>						
Dugan Production Corp.	87.50	76.187500	50.00	43.375000	87.50	76.187500
Williams Production Co.	0	0	37.50	32.812500	0	0
Paul T. Griffin Trust	12.50*	10.937500	12.50	10.937500	12.50*	10.937500
<b><u>Royalty Interest Owners</u></b>						
State of New Mexico	0	12.500000	0	12.500000	0	12.500000
<b><u>Overriding Royalty Owners</u></b>						
Thelma Atkins	0	0.0937500	0	0.0937500	0	0.0937500
John W. Barringer	0	0.1406250	0	0.1406250	0	0.1406250
Lewis T. Barringer	0	0.1406250	0	0.1406250	0	0.1406250
<b>Totals</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\*Interest owner elected to go non-consent and is being carried by Dugan Production during payout.

**Addresses**

Thelma Atkins  
c/o Mr. & Mrs. Jim Callan  
1028 Santa Florencia  
Solano Beach, CA 92075

Williams Production Company  
P.O. Box 58900  
Salt Lake City, UT 84158-0900

John W. Barringer  
1054 Lynnwood Blvd.  
Nashville, TN 37215

State of New Mexico  
P.O. Box 1148  
Santa Fe, NM 87504-1148

Lewis T. Barringer, Jr.  
192 Sayre Drive  
Princeton, NJ 08540

Dugan Production Corp.  
P.O. Box 420  
Farmington, NM 87499-0420

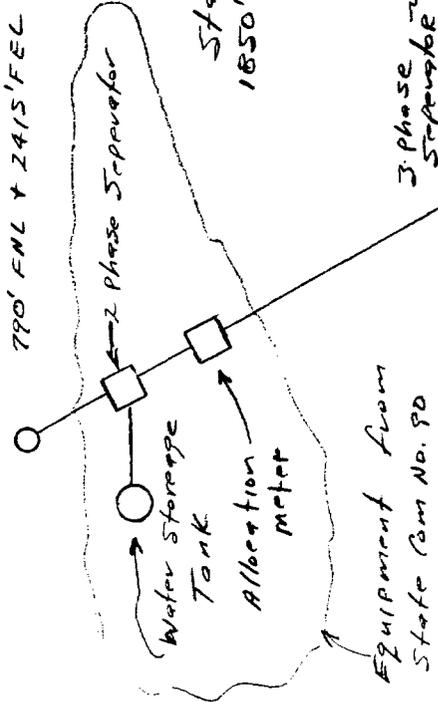
Paul T. Griffin Trust  
Charles E. Griffin, Trustee  
732 Bison Ave.  
New Port Beach, CA 92660

T-32N R-12W

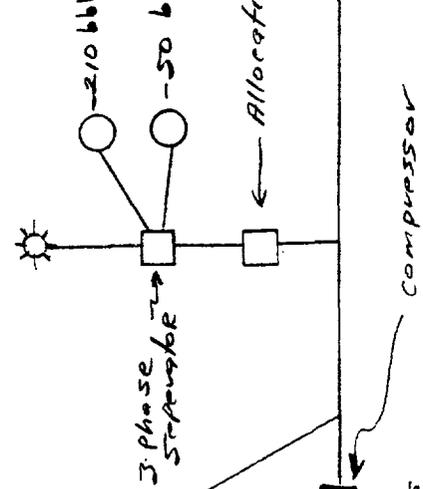
Section 9

Section 10

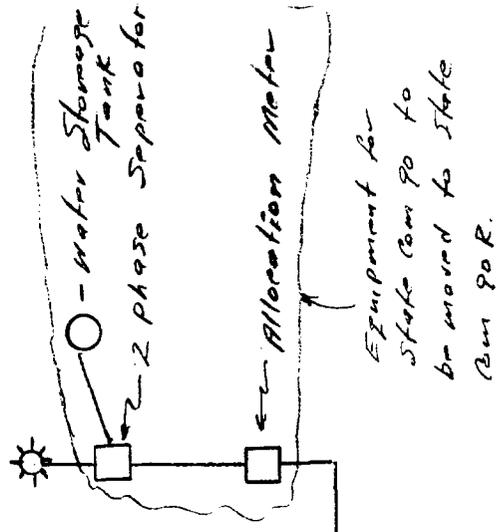
State Com 90R  
790' FNL + 2415' FEL



State Com No. 2  
1850' FNL + 1730' FEL



State Com No. 90  
1850' FNL + 790' FEL



Equipment for State Com 90 to be moved to State Com 90R.

± 940'

Compressor

CDP Sales  
Meter - E1P050  
Meter No B9175.  
Currently for State Com No 2 + 90.  
Proposed for State Com No 2 + 90R  
(State Com No 90 to be

Shut in + ultimately temporarily abandoned or permanently abandoned.)

Attachment No. 5

Well Site Facilities  
Dugan Production Corp.  
State Com. No. 2, No. 90 + No 90R  
Spacing unit = N/2 16, T32N, R12W  
Blanco Mesquite + Basin Fruitland Co.

- drawing Not to Scale -

**ATTACHMENT 6 - PAGE 1 OF 1**  
**ALLOCATION PROCEDURES**  
**DUGAN PRODUCTION CORP.'S**  
**STATE COM 2 CDP & GAS GATHERING SYSTEM**  
**CDP GAS SALES METER: SW NE 16-32N-12W (El Paso Meter No. 89175)**  
**SAN JUAN COUNTY, NEW MEXICO**

**Base Data:**

W = Gas Volume (MCF) from allocation meters at individual wells during allocation period.

X = Gas Volume (MCF) from CDP Sales Meter during allocation period.

Y = BTU's from CDP Sales Meter during allocation period.

Allocation Period is typically a calendar month and will be the same for all wells.

1. Individual Well Gas Production = A + B + C + D + E

A = Allocated Sales Volume, MCF. =  $(W/SUM W) \times X$

B = On lease fuel usage, MCF. Determined from equipment specification and operating conditions.

C = Purged and/or vented gas from well and/or lease equipment, MCF. Calculated using equipment specifications and pressures.

D = Allocated fuel from gathering system equipment, MCF. The total fuel required to operate gathering system equipment will be allocated to the individual wells benefiting from the equipment using allocation factors determined by  $W/SUM W$  for the wells involved.

E = Allocated volume of gas lost and/or vented from the gathering system and/or gathering system equipment, MCF. The total volume will be determined using industry accepted procedures for the conditions existing at the time of the loss. All volumes corresponding to liquid condensation within the gathering system will also be determined. The total volume lost and/or vented will be allocated to the individual wells affected using factors determined by  $W/SUM W$ .

2. Allocated Individual Well BTU's =  $(W \times \text{Individual well BTU}) / \text{Sum } (W \times \text{individual well BTU}) \times Y$ .

Individual well gas heating values to be determined in accordance with BLM regulations (currently On shore Order No. 5).



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

ANALYSIS NO. DUG00155  
 CUST. NO. 23000- 11190

**WELL/LEASE INFORMATION**

CUSTOMER NAME	DUGAN PRODUCTION CORP.	SOURCE	N/A
WELL NAME	STATE COM 2	PRESSURE	107 PSIG
COUNTY/STATE	SAN JUAN NM	SAMPLE TEMP	DEG.F
LOCATION	G-16-37N-12W	WELL FLOWING	Y
FIELD	Blanco Mesaverde	DATE SAMPLED	9/6/00
FORMATION	Mesaverde	SAMPLED BY	J. DAVIS
CUST.STN.NO.	202A252747	FOREMAN/ENGR.	TOM BLAIR

Attachment  
No. 7  
Pg 1 of 2

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.299	0.0000	0.00	0.0029
CO2	0.854	0.0000	0.00	0.0130
METHANE	81.763	0.0000	827.69	0.4529
ETHANE	10.196	2.7274	180.85	0.1059
PROPANE	4.079	1.1242	102.87	0.0621
I-BUTANE	0.574	0.1878	18.71	0.0115
N-BUTANE	1.094	0.3449	35.77	0.0220
I-PENTANE	0.332	0.1215	13.31	0.0083
N-PENTANE	0.262	0.0949	10.53	0.0065
HEXANE PLUS	0.547	0.2387	28.12	0.0176
<b>TOTAL</b>	<b>100.000</b>	<b>4.8393</b>	<b>1,217.85</b>	<b>0.7026</b>

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR	(1/Z)	1.0034
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,222.3
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,201.0
REAL SPECIFIC GRAVITY		0.7053

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,215.7
DRY BTU @ 14.696	1,219.5
DRY BTU @ 14.730	1,222.3
DRY BTU @ 15.025	1,246.8

CYLINDER #	045
CYLINDER PRESSURE	100 PSIG
DATE RUN	9/7/00
ANALYSIS RUN BY	DAWN BLASSINGAME



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

ANALYSIS NO. DUG00049  
 CUST. NO. 23000- 11140

**WELL/LEASE INFORMATION**

*Attachment  
 No. 7  
 Page of 2*

CUSTOMER NAME	DUGAN PRODUCTION CORP.	SOURCE	METER RUN
WELL NAME	STATE COM 90	PRESSURE	160 PSIG
COUNTY/STATE	SAN JUAN NM	SAMPLE TEMP	DEG.F
LOCATION	16-32N-12W - unit 11	WELL FLOWING	Y
FIELD	Basin Fruitland Coal	DATE SAMPLED	7/26/00
FORMATION	FRUITLAND COAL	SAMPLED BY	J. DAVIS
CUST.STN.NO.	202N-998	FOREMAN/ENGR.	TOM BLAIR

**REMARKS**

**ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.630	0.0000	0.00	0.0061
CO2	3.956	0.0000	0.00	0.0601
METHANE	95.167	0.0000	963.38	0.5271
ETHANE	0.192	0.0514	3.41	0.0020
PROPANE	0.029	0.0080	0.73	0.0004
I-BUTANE	0.011	0.0036	0.36	0.0002
N-BUTANE	0.003	0.0009	0.10	0.0001
I-PENTANE	0.002	0.0007	0.08	0.0000
N-PENTANE	0.000	0.0000	0.00	0.0000
HEXANE PLUS	0.010	0.0044	0.51	0.0003
<b>TOTAL</b>	<b>100.000</b>	<b>0.0690</b>	<b>968.57</b>	<b>0.5964</b>

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

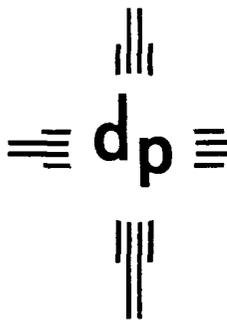
\*\* @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/2)	1.0021
BTU/CU.FT (DRY) CORRECTED FOR	(1/2)	970.6
BTU/CU.FT (WET) CORRECTED FOR	(1/2)	953.7
REAL SPECIFIC GRAVITY		0.5976

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	965.3
DRY BTU @ 14.696	968.4
DRY BTU @ 14.730	970.6
DRY BTU @ 15.025	990.0

CYLINDER #	A060
CYLINDER PRESSURE	140 PSIG
DATE RUN	7/31/00
ANALYSIS RUN BY	DAWN OLDS



# dugan production corp.

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

March 5, 2002

Attachment  
No. 8  
Pg 1 of 2

Interest Owners (Address List Attached)  
Dugan Production Corp.'s  
State Com No. 90R  
Unit B, Section 16, T32N, R12W  
San Juan County, New Mexico

Dear Interest Owner,

Attached for your information and file is a copy of our application requesting authorization to add the State Com No. 90R to the existing central delivery gas sales meter (CDP) for the State Com No. 2 and No. 90 wells.

All three wells are operated by Dugan Production Corp., and the spacing unit for each well is the north half of Section 16. Upon completion of the No. 90R, we will shut in the No. 90 and either temporarily or permanently abandon the No. 90, as the Basin Fruitland Coal Pool Rules currently will not allow more than one producing well in a 320 acre spacing unit. To ensure the accurate allocation of natural gas volumes and revenues from the CDP to each well, allocation meters are, or will be, installed at each well and the volumes produced from each well will be continuously recorded. The allocation procedures are presented in Attachment No. 6 to the application. All condensate and water will be handled separately at each well and will not be commingled.

This matter does not require any action on your part. Should you have any questions, need additional information, or have any concern as to our proposal, please let me know. Should you have an objection to our proposal, please let me know, or you can contact the New Mexico Oil Conservation Division directly at 1220 South St. Francis Drive in Santa Fe, New Mexico 87505, and we would appreciate receiving a copy of your objection.

Sincerely,

John D. Roe  
Engineering Manager

JDR:sh

Attachments

Attachment  
 No 8  
 Pg 2 of 2

Interest Ownership  
 320 Acre N/2 Spacing Unit  
 Section 16, T-32N, R-12W  
 San Juan County, New Mexico

	<u>State Com #90</u>	<u>Basin Fruitland Coal</u>	<u>H-16-T32N-R12W</u>	<u>State Com #2</u>	<u>Blanco Mesaverde</u>	<u>G-16-T32N-R12W</u>	<u>State Com #90R</u>	<u>Basin Fruitland Coal</u>	<u>B-16-T32N-R12W</u>
	<u>WI-%</u>	<u>NI-%</u>		<u>WI-%</u>	<u>NI-%</u>		<u>WI-%</u>	<u>NI-%</u>	
<b><u>Working Interest Owners</u></b>									
Dugan Production Corp.	87.50	76.187500		50.00	43.375000		87.50	76.187500	
Williams Production Co.	0	0		37.50	32.812500		0	0	
Paul T. Griffin Trust	12.50*	10.937500		12.50	10.937500		12.50*	10.937500	
<b><u>Royalty Interest Owners</u></b>									
State of New Mexico	0	12.500000		0	12.500000		0	12.500000	
<b><u>Overriding Royalty Owners</u></b>									
Thelma Atkins	0	0.0937500		0	0.0937500		0	0.0937500	
John W. Barringer	0	0.1406250		0	0.1406250		0	0.1406250	
Lewis T. Barringer	0	0.1406250		0	0.1406250		0	0.1406250	
<b>Totals</b>	<b>100.0</b>	<b>100.0</b>		<b>100.0</b>	<b>100.0</b>		<b>100.0</b>	<b>100.0</b>	

\*Interest owner elected to go non-consent and is being carried by Dugan Production during payout.

**Addresses**

Thelma Atkins  
 c/o Mr. & Mrs. Jim Callan  
 1028 Santa Florencia  
 Solano Beach, CA 92075

Williams Production Company  
 P.O. Box 58900  
 Salt Lake City, UT 84158-0900

John W. Barringer  
 1054 Lynnwood Blvd.  
 Nashville, TN 37215

State of New Mexico  
 P.O. Box 1148  
 Santa Fe, NM 87504-1148

Lewis T. Barringer, Jr.  
 192 Sayre Drive  
 Princeton, NJ 08540

Dugan Production Corp.  
 P.O. Box 420  
 Farmington, NM 87499-0420

Paul T. Griffin Trust  
 Charles E. Griffin, Trustee  
 732 Bison Ave.  
 New Port Beach, CA 92660

**COMMISSIONER'S OFFICE**

Phone (505) 827-5760

Fax (505) 827-5766

**ADMINISTRATION**

Phone (505) 827-5700

Fax (505) 827-5853

**GENERAL COUNSEL**

Phone (505) 827-5713

Fax (505) 827-4262

**PUBLIC AFFAIRS**

Phone (505) 827-1245

Fax (505) 827-5766



**New Mexico State Land Office  
Commissioner of Public Lands  
Ray Powell, M.S., D.V.M.**

**COMMERCIAL RESOURCES**

Phone (505) 827-5724

Fax (505) 827-6157

**MINERAL RESOURCES**

Phone (505) 827-5744

Fax (505) 827-4739

**ROYALTY MANAGEMENT**

Phone (505) 827-5772

Fax (505) 827-4739

**SURFACE RESOURCES**

Phone (505) 827-5793

Fax (505) 827-5711

April 2, 2002

Dugan Production Corporation  
P. O. Box 420  
Farmington, New Mexico 87499-0420

Attn: Mr. John D. Roe

Re: Application to add one well  
State Com No. 2 CDP  
Dugan Production Corp.'s- State Com Well No 90R  
Unit B of Section 16-32N-12W  
State Lease Nos. B-11571, E-3555-13, E-4426 & LG-0038-1  
Blanco Mesaverde and Basin Fruitland Coal Pools  
NMOCD Commingling Order PLC-153  
San Juan County, New Mexico

Dear Mr. Roe:

We have received your application of March 5, 2002 requesting our approval to add Dugan Production's State Com No. 90R well to the Central Delivery Sales meter currently approved for Dugan's State Com No. 2 and 90 wells (NMOCD Commingling Order PLC-153 dated 2/22/99).

It is our understanding that since completion of the State Com No. 90R, the State Com No. 90 is being dropped from the commingle permit and will cease production in the Basin Fruitland Coal Pool.

Production shall be allocated to each lease by separately metering the production from each lease prior to commingling.

Since it appears that all the New Mexico Oil Conservation Division's rules and regulations have been complied with, and there will be no loss of revenue to the State of New Mexico as a result of your proposed operation, your request is hereby approved. Our approval is subject to like approval by the New Mexico Oil Conservation Division.

Your \$30.00 dollar filing has been received.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

BY:

  
JAMI BAILEY, Director  
Oil, Gas and Minerals Division  
(505) 827-5744  
RP/JB/pm

pc: Reader File, OCD-Attention: David Catanach