

April 16, 1996

Mr. William LeMay  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**RECEIVED**  
APR 17 1996  
**OIL CON. DIV.**  
DIST. 3

Re: San Juan 27-5 Unit #146  
890'FSL, 840'FWL Section 36, T-27-N, R-5-W, Rio Arriba County, NM  
API #30-039-20462

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde and Basin Dakota pools in the subject well. It is intended to add the Blanco Mesa Verde formation to this Dakota well and commingle both formations.

To comply with the New Mexico Oil Conservation Division rules, Meridian is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curve for the Dakota for at least one year;
4. Notification list of offset operators - Meridian is operator of San Juan 27-5 Unit;
5. Notification list of working, overriding, and royalty interests.

The allocation formula will be based off past Dakota production. Any production over and above Dakota predicted volumes will be allocated to the Mesa Verde.

Please let me know if you require additional data.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

encs.

xc: Bureau of Land Management  
State Land Office

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980  
DISTRICT II  
811 South First St., Artesia, NM 88210-2835  
DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico  
Energy, Minerals and Natural Resources Department  
OIL CONSERVATION DIVISION  
2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

Form C-107-A  
New 3-12-96  
APPROVAL PROCESS  
\_X\_ Administrative \_\_\_Hearin  
EXISTING WELLBORE  
\_X\_ YES \_\_\_ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Address  
MERIDIAN OIL PO Box 4289, Farmington, NM 87499  
Lease Well No. Unit Ltr. - Sec - Twp - Rge County  
San Juan 27-5 Unit 146 M Sec 36,T-27N, R-5-W Rio Arriba  
Spacing Unit Lease Types: (check 1 or more)  
OGRID NO. 14538 Property Code 7455 API NO. 30-039-20462 Federal , State X, (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesa Verde 72319		Basin Dakota 71599
2 Top and Bottom of Pay Section (Perforations)	5743-6318'		8200-8416'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. not yet completed  (Original) b. 1290 (est)	a. b.	a. 1111 psi  b. 3119 psi
6. Oil Gravity (°API) or Gas BTU Content	1202 (est)		1145
7. Producing or Shut-In?	not yet completed		producing
Production Marginal? (yes or no)	yes		yes
* If Shut-In and oil/gas/water rates of last production  Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data  * If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: Rates:  Date: not yet completed Rates:	Date: Rates:  Date: Rates:	Date: Rates:  Date: 03-02-96 Rates: 0.10 BOPD/34 MCF/D 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % Based off past Dakota Production.	Oil: % Gas: % Any production over & above Dakota	Oil: % Gas: % predicted volumes will be allocated to Mesa Verde.

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones? Yes No  
If not, have all working, overriding, and royalty interests been notified by certified mail? X Yes No  
Have all offset operators been given written notice of the proposed downhole commingling? X Yes No
11. Will cross-flow occur? Yes X No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. Yes No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other? X Yes No
13. Will the value of production be decreased by commingling? Yes X No (If Yes, attach explanation)
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes No (In Federal Unit)
15. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).
16. ATTACHMENTS:  
\* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.  
\* Production curve for each zone for at least one year. (If not available, attach explanation.)  
\* For zones with no production history, estimated production rates and supporting data.  
\* Data to support allocation method or formula.  
\* Notification list of all offset operators.  
\* Notification list of working, overriding, and royalty interests for uncommon interest cases.  
\* Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE TITLE Reg/Compliance Admin DATE 04-16-96  
TYPE OR PRINT NAME Peggy Bradfield TELEPHONE NO. ( 505 ) 326-9727

District II

PO Drawer 00, Artesia, NM 88211-0719

District III

1000 Rio Grande 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

Instructions or  
Submit to Appropriate District  
State Lease - 4  
Fee Lease - 3

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-20462		Pool Code 72319/71599		Pool Name Blanco Mesaverde/Basin Dakota	
Property Code 7454		Property Name San Juan 27-5 Unit			Well Number 146
OGRID No. 14538		Operator Name MERIDIAN OIL, INC.			Elevation 7250'

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
M	36	27 N	5 W		890	South	840	West	R.A

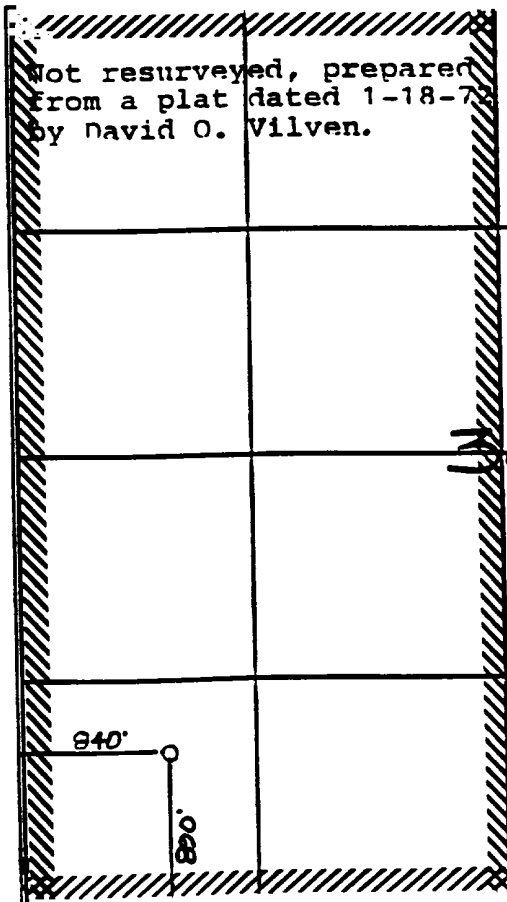
11 Bottom Hole Location If Different From Surface

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

12 Dedication Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.

W/320-W/320

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDA  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



RECEIVED  
FEB 12 1996

OIL CON. DIV.  
DIST. 3

17 OPERATOR CERTIFICATE

I hereby certify that the information contained here is true and complete to the best of my knowledge and belief.

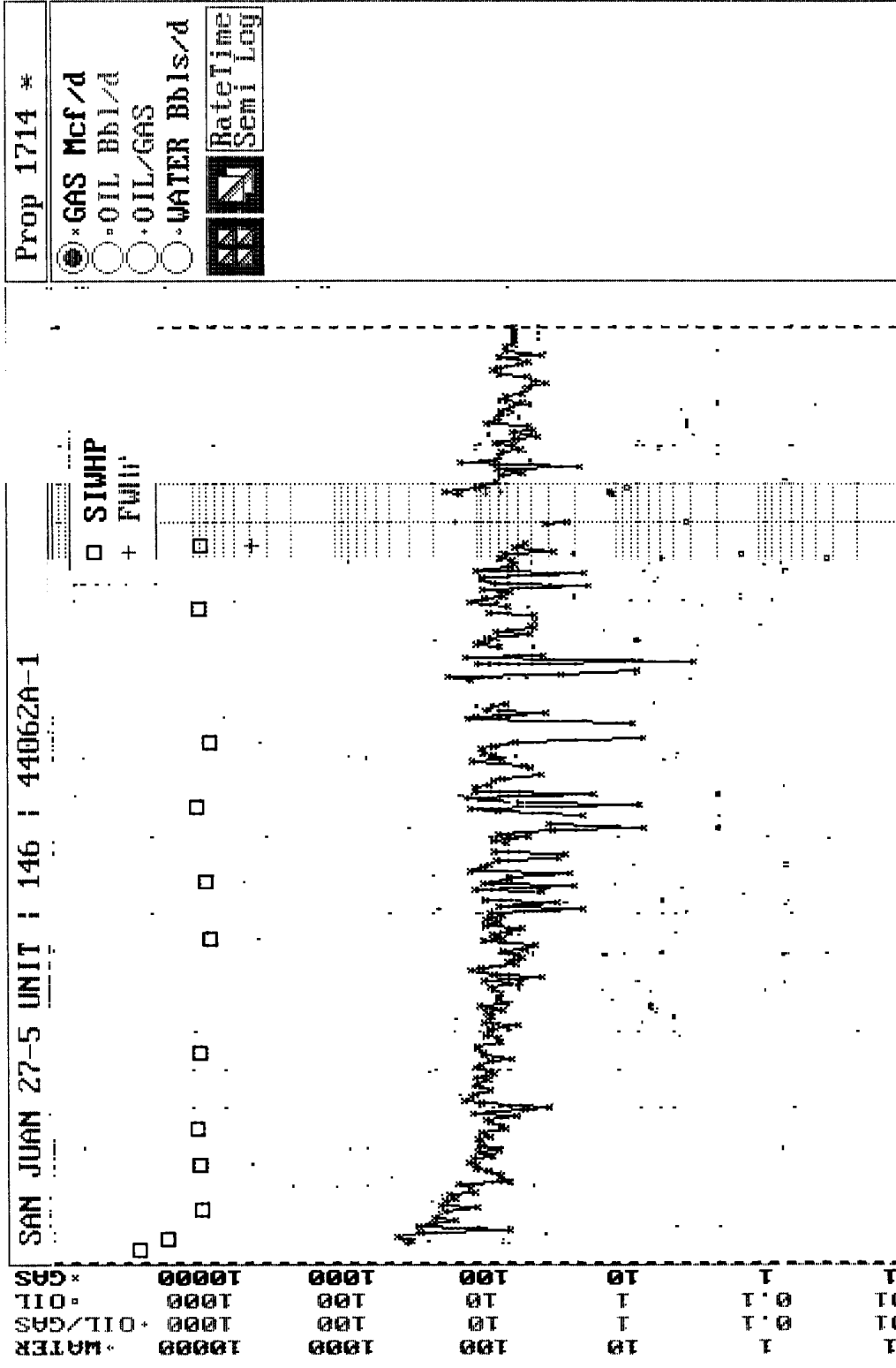
*Peggy Bradford*  
Signature  
Peggy Bradford  
Printed Name  
Regulatory Administrator  
Title  
2-7-96  
Date

18 SURVEYOR CERTIFICATE

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

2-6-96  
Date of Survey  
Signature and Seal of Professional Surveyor  
*HELEN C. EDWARDS*  
8857  
Certificate No. 8857





10000  
 1000  
 100  
 10  
 1  
 0.1  
 0.01  
 0.001

1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996

Major = GAS

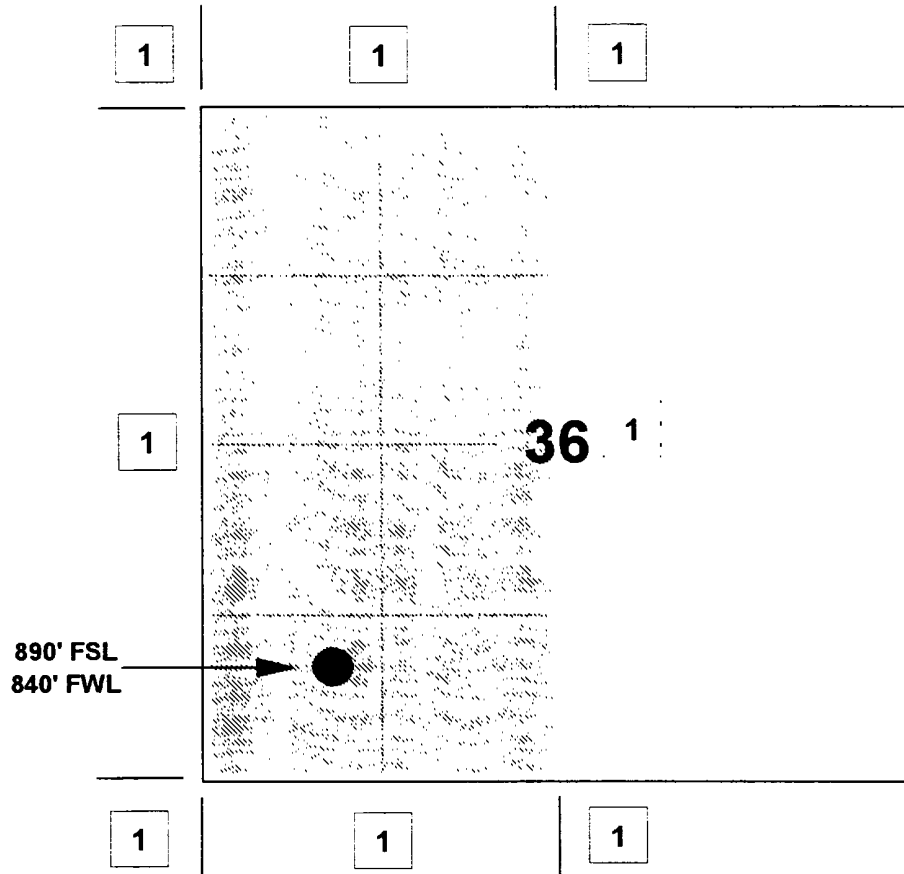
# MERIDIAN OIL INC

SAN JUAN 27-5 UNIT #146

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

Township 27 North, Range 5 West



1) Meridian Oil Inc

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**SAN JUAN 27-5 UNIT  
MESAVERDE FORMATION**

Amoco Production Company  
Bedrock Limited Partnership  
Cinco General Partnership  
Coastal Oil & Gas Corporation  
Cruzelia C. & Pat D. Montoya  
Donald R. & Florence M. Candelaria  
EJE Brown Company  
Francis Lerby Candelaria  
Genevieve Candelaria  
Gerald E. Harrington  
Gerald F. Harrington Trust  
Harold O. Pool Irrevocable Trust  
J. Fidel & Cordelia Candelaria  
James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell Miller Mast Trusts  
James V. Harrington  
John Christopher Candelaria  
Kerr-McGee Corporation  
Langdon D. Harrison  
MAR Oil & Gas Corporation, Inc.  
Mary Jone Chappell  
Mercedes M. Skidmore  
Meridian Oil Inc.  
Nick G. Candelaria  
Pablo Lenny Candelaria  
Paul M. Candelaria  
Paulette Sharon Candelaria  
Robert L. Bayless  
Robert P. Tinnin  
Ruth Zimmerman Trust  
Stephanie A. & Carlos Martinez  
Sunwest Bank for Kathleen Quinn  
Tempe LTD Partnership  
T. H. McElvain Oil & Gas Limited Partnership  
Thelma Pool Revocable Trust  
The Wiser Oil Company  
Thomas & Mary Dugan

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**SAN JUAN 27-5 UNIT  
DAKOTA FORMATION**

Amoco Production Company  
Bedrock Limited Partnership  
Cinco General Partnership  
Coastal Oil & Gas Corporation  
Cruzelia C. & Pat D. Montoya  
Donald R. & Florence M. Candelaria  
EJE Brown Company  
Francis Lerby Candelaria  
Genevieve Candelaria  
Gerald E. Harrington  
Gerald F. Harrington Trust  
Harold O. Pool Irrevocable Trust  
J. Fidel & Cordelia Candelaria  
James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell M. Mast  
James V. Harrington  
John Christopher Candelaria  
Kerr-McGee Corporation  
Langdon D. Harrison  
MAR Oil & Gas Corporation, Inc.  
Mary Jone Chappell  
Mercedes M. Skidmore  
Meridian Oil Inc.  
Nick G. Candelaria  
Pablo Lenny Candelaria  
Paul M. Candelaria  
Paulette Sharon Candelaria  
Robert L. Bayless  
Robert P. Tinnin  
Ruth Zimmerman Trust  
Stephanie A. & Carlos Martinez  
Sunwest Bank for Kathleen Quinn  
Tempe LTD Partnership  
T. H. McElvain Oil & Gas Limited Partnership  
Thelma Pool Revocable Trust  
The Wiser Oil Company  
Thomas & Mary Dugan  
Williams Production Company

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