

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 :

Administrative Hearing

EXISTING WELLBORE

YES NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator Jicarilla 103 Address 8 P 19-26-04 Rio Arriba
Lease Well No. Unit Ltr. - Sec - Twp - Rge Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7169 API NO. 30-039-20268 Federal State (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 Mesaverde 72319	Gallup & Dakota commingled under DHC 562 Tapacitos Gallup 58090	Gallup & Dakota commingled under DHC 562 Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	4979-5526'	6992'-6998'	7514'-7670'
3. Type of production (Oil or Gas)	gas	gas	gas
4. Method of Production (Flowing or Artificial Lift)	flowing	flowing	flowing
5. Bottomhole Pressure	(Current) a. 1311 psi (Est)		922 psi
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1311 psi (Est)		2938 psi
6. Oil Gravity (^o API) or Gas BTU Content	BTU 1203		BTU 1198
7. Producing or Shut-In?	producing	Shut-In	Under CIBP
Production Marginal? (yes or no)	no	yes	yes
* If Shut-In and oil/gas/water rates of last production <small>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data</small>	Date: Rates:	Date: 7/15/99 Rates: 41 MCFD, 0 BOPD, 0 BWPD	
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 2/16/97 Rates: 108 MCFD, 0 BOPD, 0 BWPD	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: %	Oil: % Gas: % will be supplied upon completion

RECEIVED
FEB 27 1997
OIL CON. DIV.
DIST. 3

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, attach 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? Yes No
Have all offset operators been given written notice of the proposed downhole commingling? Yes No
11. Will cross-flow occur? Yes 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? Yes No
13. Will the value of production be decreased by commingling? Yes 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. Yes No
15. NMOSD 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 Lori Lantz TITLE Production Engineer DATE 2/25/97

TYPE OR PRINT NAME Lori Lantz TELEPHONE NO. (505) 326-9700

District I
PO Box 1778, Hobbs, NM 88241-1788
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1008 Rio Arriba 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
Revised February
Instructions
Submit to Appropriate District
State Lease - -
Fee Lease -

AMENDED ?

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-030-20268	Pool Code 72310/58090/71500	Pool Name Blanco Mesavero/Tapacito Gallu	Basin Basin Dakota
Property Code 7260	Property Name Jicarilla 103		Well Name 8
GRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 6715'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	Corner
P	19	26 N	4 W		790	South	790	East	R.

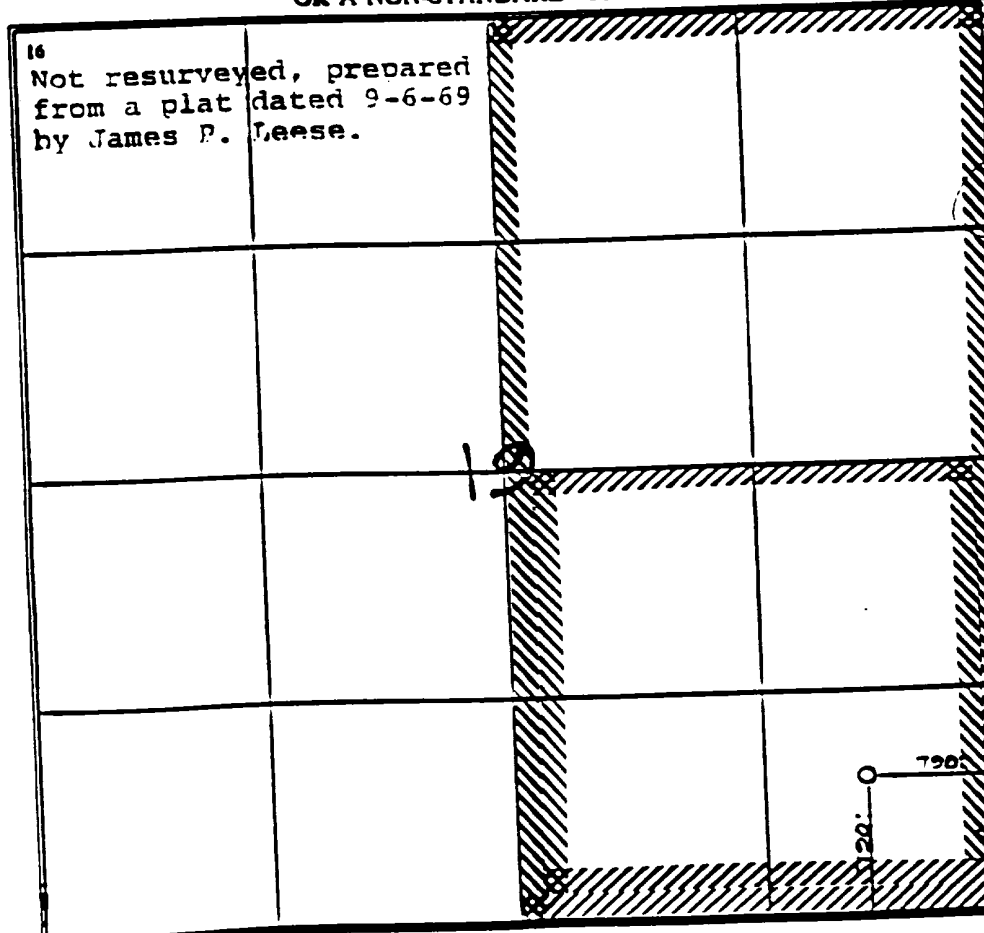
11 Bottom Hole Location if Different From Surface

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

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

E/320-E/320-160

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



16 Not resurveyed, prepared from a plat dated 9-6-69 by James P. Geese.

17 OPERATOR CERTIFIC.

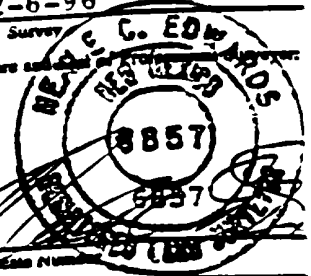
I hereby certify that the information contained here and complete to the best of my knowledge

Peggy Bradfield
Signature
Peggy Bradfield
Printed Name
Regulatory Administ.
Title
2-7-96
Date

18 SURVEYOR CERTIFIC.

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

2-6-96
Date of Survey
Signature of Surveyor



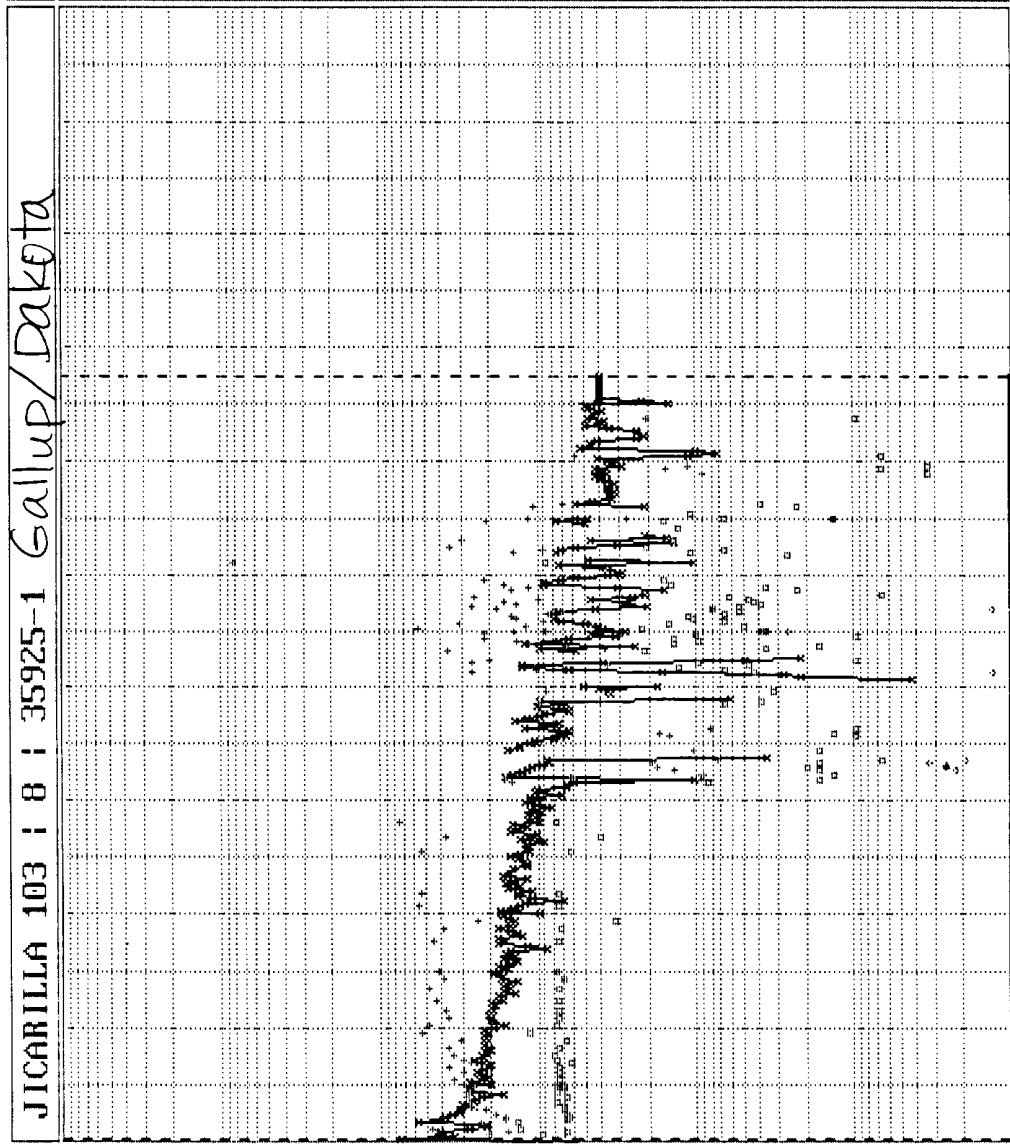
Certificate Number

JICARILLA 103 : 8 : 35925-1 Gallup/Dakota

Prop 1000 *

- * GAS Mcf/d
- OIL Bbl/d
- OIL/GAS
- WATER Bbls/d

Rate Time
Semi Log



10000 * WATER
1000 + OIL/GAS
1000 * OIL
1000 * GAS

10000
1000
100
10
1
0.1
0.01
0.001

72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08

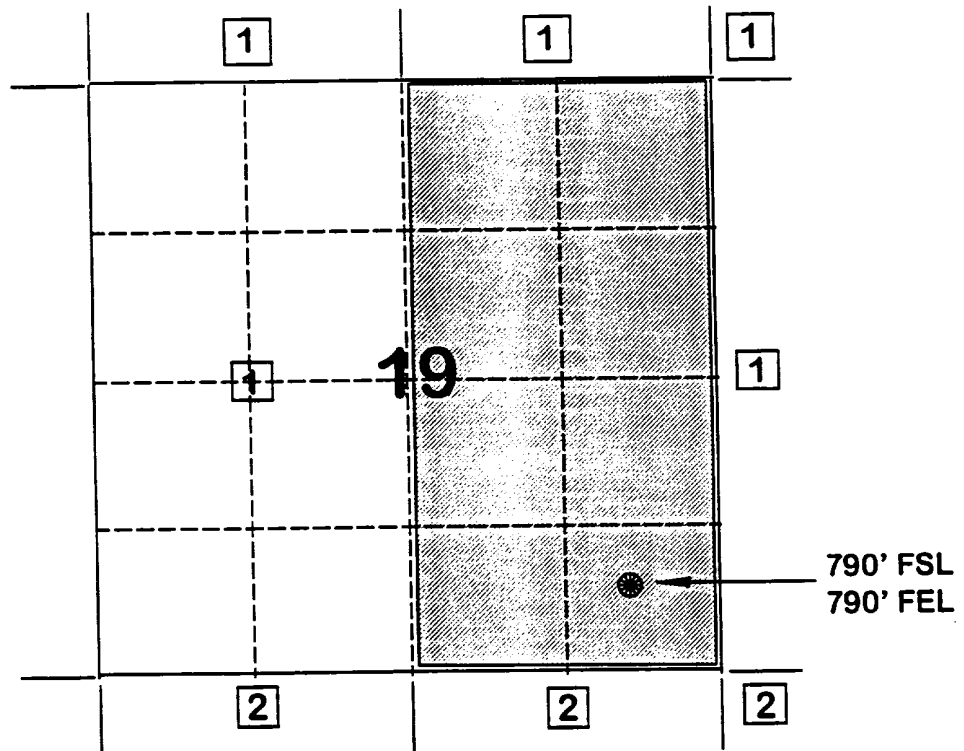
Major = GAS

BURLINGTON RESOURCES OIL AND GAS COMPANY

**Jicarilla 103 #8
OFFSET OPERATOR \ OWNER PLAT**

Gallup/Mesaverde/Dakota Formations Commingle Well

Township 26 North, Range 4 West



- 1) Burlington Resources Oil and Gas Company
- 2) Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.693</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.8</u>
%CO2	<u>0.73</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.875</u>
DEPTH (FT)	<u>7331</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>190</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>2384</u>
 BOTTOMHOLE PRESSURE (PSIA)	 <u>2937.9</u>

Jicarilla 103 #8
Gallup / Dakota Initial Pressure

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.693</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.8</u>
%CO2	<u>0.73</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.875</u>
DEPTH (FT)	<u>7331</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>190</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>766</u>
BOTTOMHOLE PRESSURE (PSIA)	<input type="text" value="921.9"/>

Jicarilla 103 #8

Gallup / Dakota Current Pressure

Page No.: 1
Print Time: Fri Feb 07 13:25:51 1997
Property ID: 3033
Property Name: JICARILLA 103 | 11 | 35932-1
Table Name: K:\ARIES\RR97PDP\TEST.DBF

Mesaverde

--DATE-- ---CUM GAS-- M SIWHP
Mcf Psi

07/10/79	0	1121.0
09/08/79	46178	1043.0
08/24/80	185081	702.0
08/16/81	286030	675.0
07/24/82	352402	563.0
05/29/84	457583	668.0
10/31/89	669058	792.0
05/14/91	710767	799.0
09/10/91	711595	811.0
07/27/93	792258	590.0

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.696</u>	
COND. OR MISC. (C/M)	<u>M</u>	
%N2	<u>0.67</u>	
%CO2	<u>0.85</u>	
%H2S	<u>0</u>	
DIAMETER (IN)	<u>2.875</u>	
DEPTH (FT)	<u>5252</u>	
SURFACE TEMPERATURE (DEG F)	<u>60</u>	
BOTTOMHOLE TEMPERATURE (DEG F)	<u>120</u>	
FLOWRATE (MCFPD)	<u>0</u>	
SURFACE PRESSURE (PSIA)	<u>1121</u>	
BOTTOMHOLE PRESSURE (PSIA)	<table border="1"><tr><td>1310.6</td></tr></table>	1310.6
1310.6		

Jicarilla 103 #8
Mesaverde Initial Pressure

FDG055M4 GF14

WELL PRODUCTION 8/8'S VOLUME

02/24/97 14:32:4

DP NO: 35925B
JICARILLA 103

DATE: 970216 (YYMMDD FORMAT)
8 SCROLL FORWARD BY DATE: _

S

E	DATE	HOURS	-OIL PRODN-	-GAS PRODN-	-WATER PRODN-
L	PRODUCED	ON	(BOPD	(MCFD	(BWPD
			BOPM)	MCFM)	BWPM)
-	02/16/97	24.0	0.00	106	0.00
-	02/15/97	24.0	0.00	106	0.00
-	02/14/97	24.0	0.00	106	0.00
-	02/13/97	24.0	0.00	106	0.00
-	02/12/97	24.0	0.00	106	0.00
-	02/11/97	24.0	0.00	106	0.00
-	02/10/97	24.0	0.00	164	0.00
-	02/09/97	24.0	0.00	164	0.00
-	02/08/97	24.0	0.00	164	0.00
-	02/07/97	24.0	0.00	164	0.00
-	02/06/97	24.0	0.00	164	0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF12=MAIN MENU
B MY JOB

PF6=NRI PF10=BROWSE MENU
ENTER=BACKWARDS LU #16

PF11=INQ/UPDATE MENU
PF24=HELP

Mesaverde

July 1996

MERIDIAN OIL COMPANY
GAUGE AND PRODUCTION REPORT

DS NO/DS NAME: 11463A / JICARILLA 103 008
FIELD: BASIN DAKOTA (PRORATED GAS)

DATE: 02/07/97
TIME: 16:26:49
336

COUNTY: RIO ARRIBA
STATE: NEW MEXICO

DP: 35925

MP-NO: 37136
GAS

DAY	DAILY (MCF)	M	T	D
1	41			41
2	41			82
3	41			123
4	41			164
5	41			205
6	41			246
7	41			287
8	41			328
9	41			369
10	41			410
11	41			451
12	41			492
13	41			533
14	41			574
15	41			615
16	0			615
17	0			615
18	0			615
19	0			615
20	0			615
21	0			615
22	0			615
23	0			615
24	0			615
25	0			615
26	0			615
27	0			615
28	0			615
29	0			615
30	0			615
31	0			615

MONTH TOTAL 615

