

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 87505-6429Form 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

Address

Allison Unit

7

P 10-32N-07W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6784 API NO. 30-045-11474 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		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	will be supplied upon completion		8165-8443
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. 616 psi (see attachment) (Original) b. 1240 psi (see attachment)	a. b.	a. 1223 psi (see attachment) b. 2916 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 988		BTU 954
7. Producing or Shut-In?	shut in		producing
Production Marginal? (yes or no)	no		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	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: n/a Rates:	Date: Rates:	Date: n/a 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

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? ☐ Yes ☒ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No11. 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 ☐ No13. 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

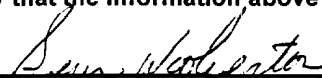
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). Reference Order R-9918 attached

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: Reservoir Engineer

DATE: 08-31-98

TYPE OR PRINT NAME Sean Woolverton

TELEPHONE NO. (505) 326-9700

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

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

District III
1000 Rto 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 O-1
Revised February 21, 19
Instructions on be
Submit to Appropriate District Offi
State Lease - 4 Copi
Fee Lease - 3 Copi

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-11474		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/Basin Dakota
*Property Code 6784	*Property Name ALLISON UNIT		*Well Number 7
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6732'

¹⁰ Surface Location

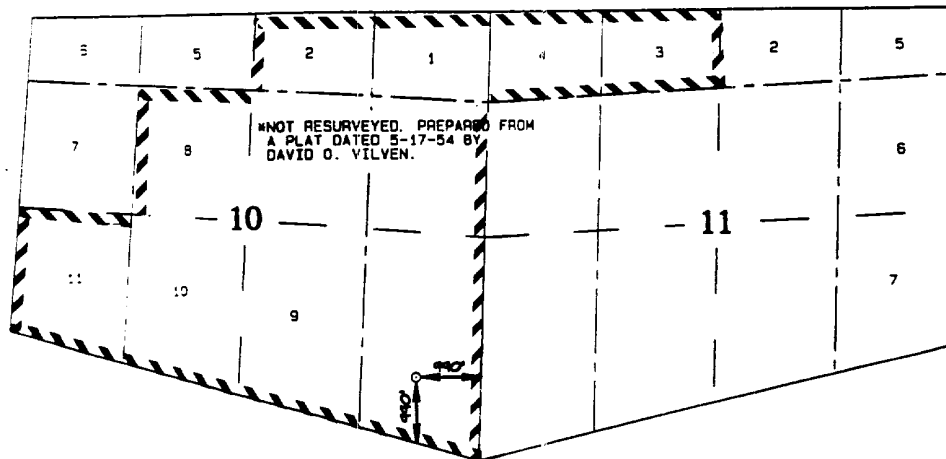
UL or Lot No.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
P	10	32N	7W		990	SOUTH	990	EAST	SAN JU.

¹¹ Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedication Acres MV-357.84 DK - 357.84	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-2046
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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



¹⁷ OPERATOR CERTIFICATION

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

Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
8-28-98
Date

¹⁸ 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 26, 1998
Date of Survey

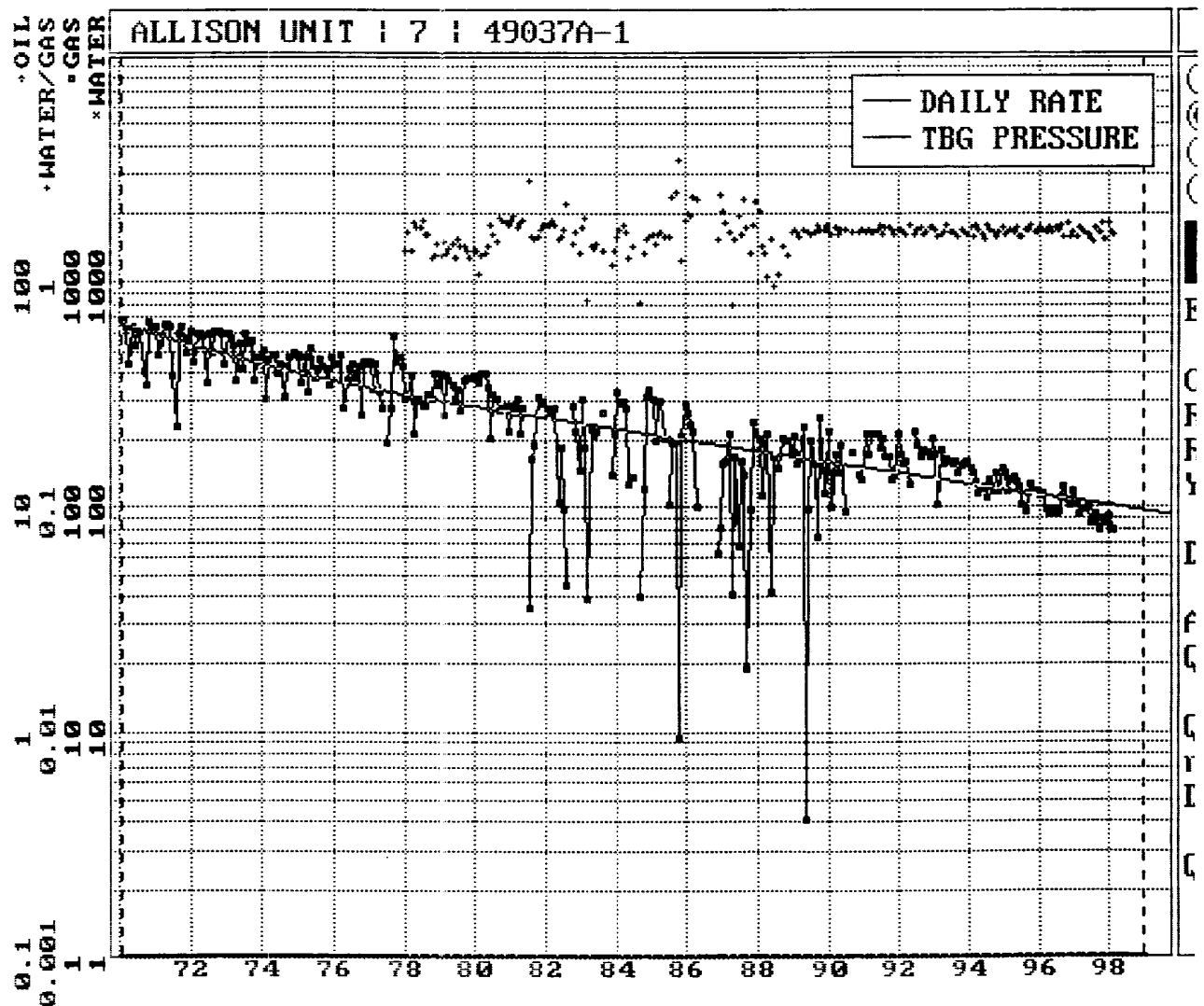
Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
Certification Number

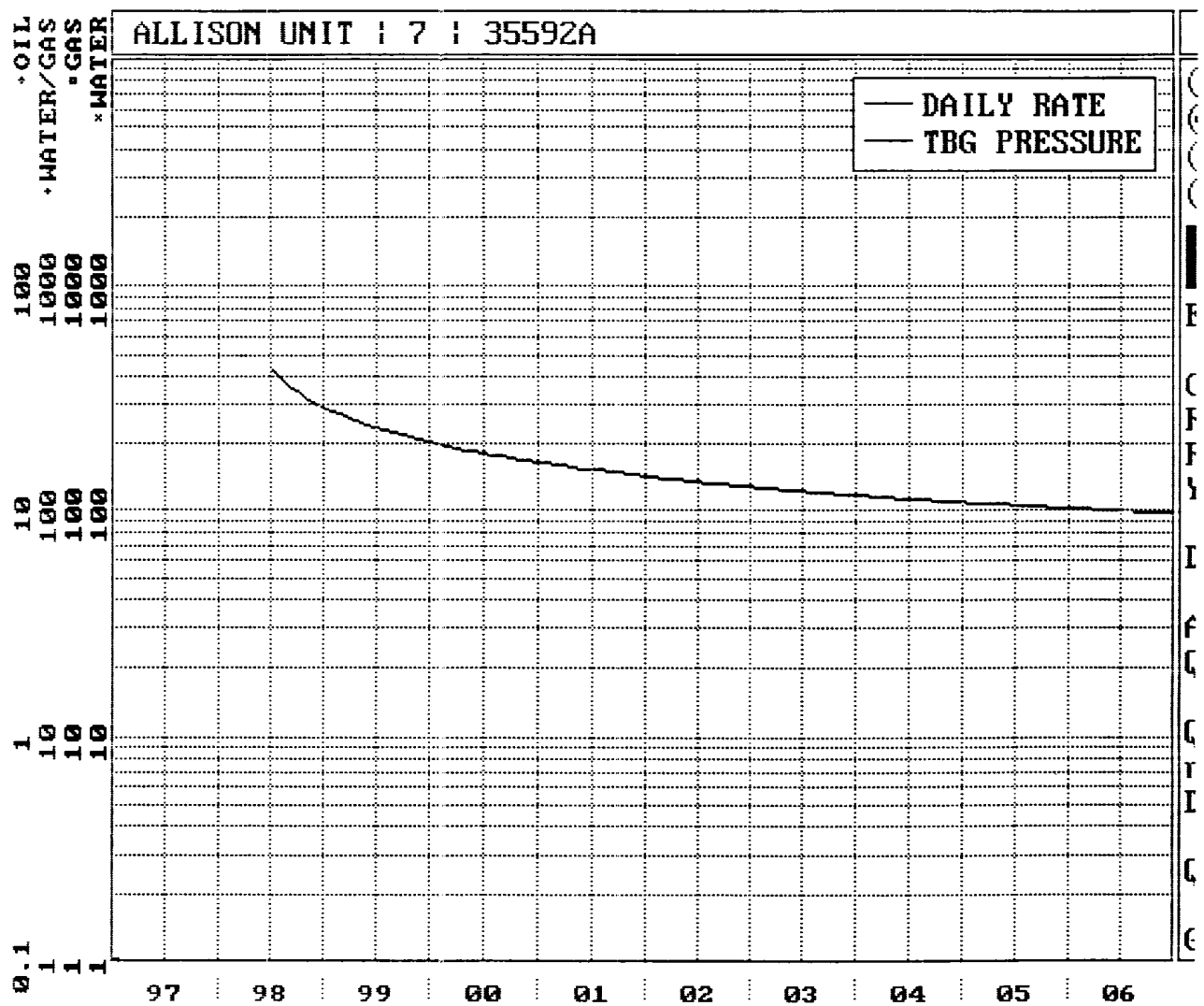
Allison Unit #7

Basin Dakota

Actual Production



Allison Unit #7
Blanco Mesaverde
Expected Production Curve



Page No.: 1
Print Time: Fri May 08 13:26:29 1998
Property ID: 13
Property Name: ALLISON UNIT | 7 | 49037A-1
Table Name: C:\ARIES\SUPPS98\TEST.DBF

--DATE-- M SIWHP
■■■■■■■■■■ ■■■■Psi■■■

07/29/59	2427.0	-original
07/28/61	2000.0	
04/18/62	1905.0	
04/29/63	1825.0	
04/22/64	1523.0	
10/18/65	1585.0	
02/23/66	2099.0	
03/06/67	1917.0	
03/08/68	1810.0	
04/16/69	1715.0	
06/02/70	1614.0	
07/19/71	1509.0	
08/10/72	1449.0	
06/18/73	1412.0	
04/29/75	1337.0	
08/08/77	1292.0	
06/05/79	1232.0	
06/02/81	1212.0	
09/02/83	1104.0	
05/02/85	1052.0	
08/15/88	881.0	
04/22/90	1027.0	-current

Allison Unit #7

Basin Dakota

Page No.: 1
Print Time: Fri May 08 13:27:50 1998
Property ID: 8411
Property Name: ALLISON UNIT | 16R | 36918A-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF

--DATE-- M SIWHP
■■■■■■■■■■ ■■■■Psi■■■■

06/15/58	1072.0	-original
07/16/64	0.0	
08/05/70	857.0	
08/31/71	922.0	
06/22/72	782.0	
07/03/73	752.0	
04/18/74	733.0	
06/02/76	666.0	
08/03/78	695.0	
07/01/80	687.0	
05/18/82	711.0	
07/02/84	702.0	
03/18/86	714.0	
03/29/89	768.0	
01/24/91	699.0	
02/01/94	662.0	
03/07/95	537.0	-current

Allison Unit #7

Mesaverde Offset

Allison Unit #7
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	<u>0.586</u>	GAS GRAVITY	<u>0.598</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.08</u>	%N2	<u>0.1</u>
%CO2	<u>2.21</u>	%CO2	<u>4.31</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>	DIAMETER (IN)	<u>2</u>
DEPTH (FT)	<u>6468</u>	DEPTH (FT)	<u>8170</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>198</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>537</u>	SURFACE PRESSURE (PSIA)	<u>1027</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>615.8</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>1222.5</u>
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	<u>0.586</u>	GAS GRAVITY	<u>0.598</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.08</u>	%N2	<u>0.1</u>
%CO2	<u>2.21</u>	%CO2	<u>4.31</u>
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BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>198</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1072</u>	SURFACE PRESSURE (PSIA)	<u>2427</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1240.2</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>2915.9</u>

BURLINGTON RESOURCES OIL AND GAS COMPANY

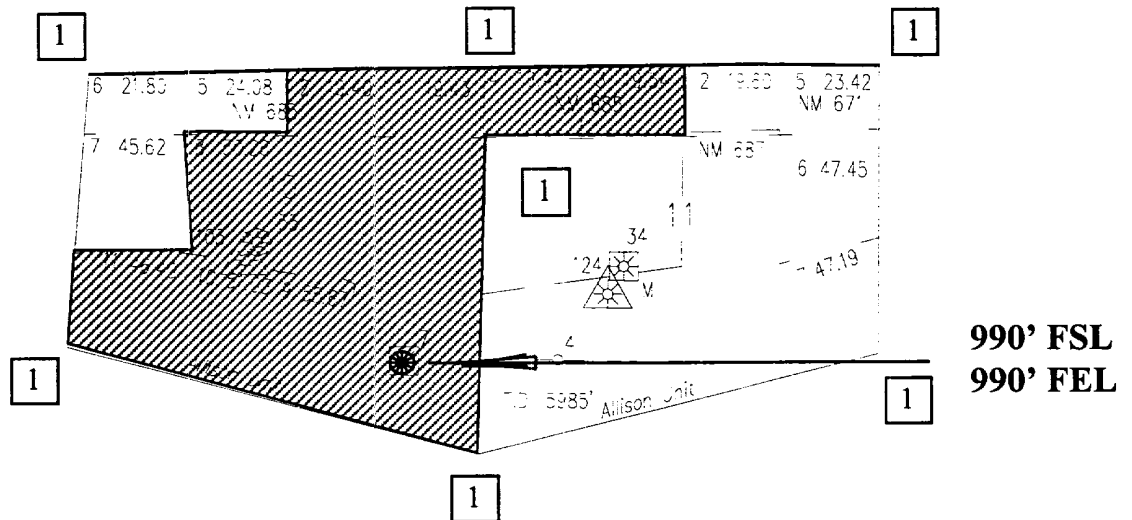
Allison Unit #7

OFFSET OPERATOR/OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

**(Nonstandard Sections with Nonstandard Dedications
for Mesaverde / Dakota Formations)**

Township 32 North, Range 7 West



1) Burlington Resources

Allison Unit #7

Basin Dakota

32N-07W-10

