

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**APPLICATION FOR DOWNHOLE COMMINGLING**Form C-107-A
New 3-12-96**APPROVAL PROCESS :**☒ Administrative ☐ Hearing**EXISTING WELLBORE**☐ YES ☒ NO**Burlington Resources Oil & Gas Company****PO Box 4289, Farmington, NM 87499**

Operator

Address

East**5M****E 24-31N-12W****San Juan**

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18517 API NO. 30-045-29646**Federal x****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		will be supplied upon completion
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. 612 psi (see attachment) (Original) b. 1089 psi (see attachment)	a. b.	a. 1071 psi (see attachment) b. 2441 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1198		BTU 1192
7. Producing or Shut-In?	shut in		shut in
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	Date: n/a	Date:	Date: n/a Rates:

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

District II
PO Drawer 00, 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 30-045-29646		Pool Code 72319/71599		Pool Name Blanco Mesaverde/Basin Dakota	
Property Code 18517		Property Name EAST			Well Number 5M
GRID No. 14538		Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			Elevation 6150'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 10	Feet from the	North/South line	Feet from the	East/West line	County
E	24	31N	12W		1615	NORTH	875	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

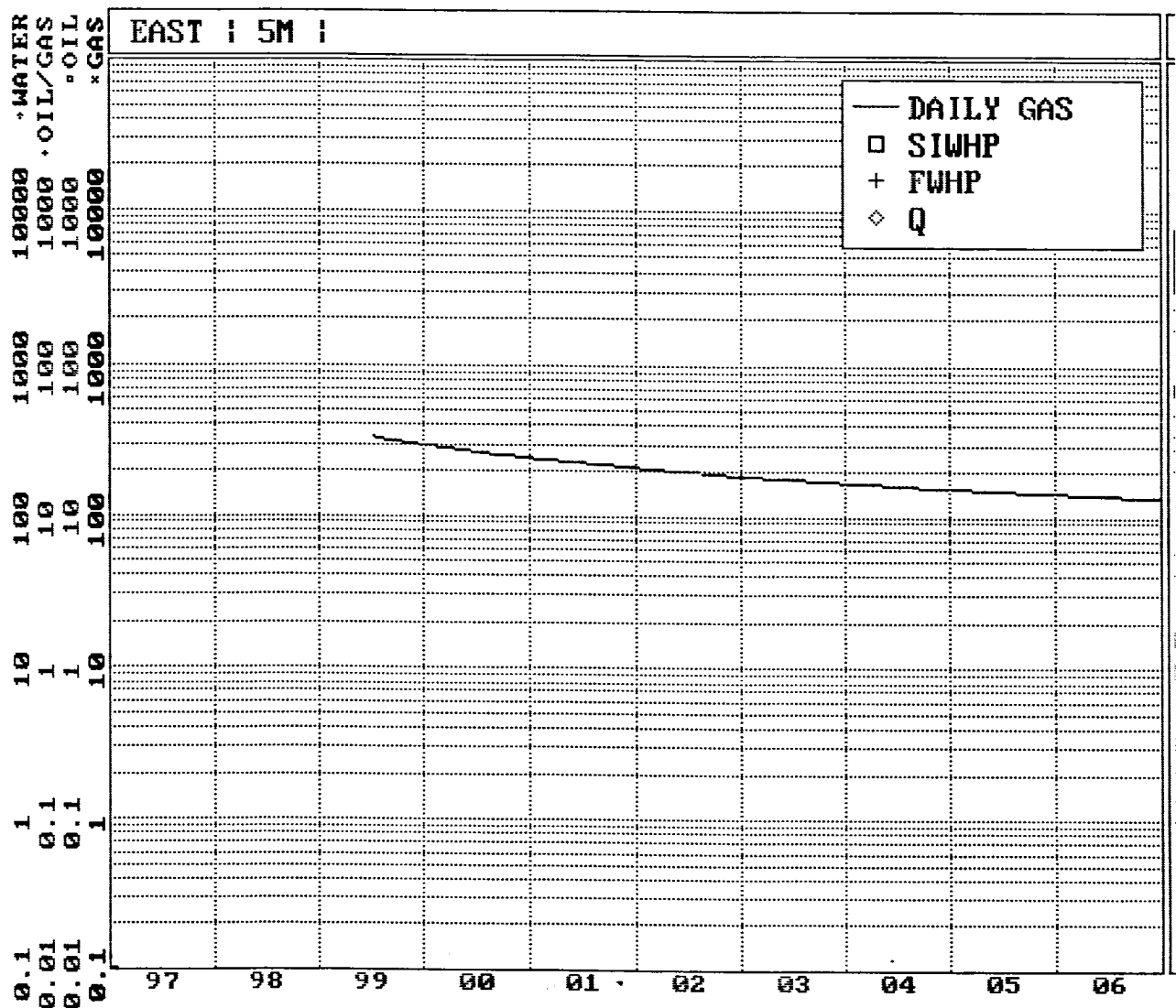
UL or lot no.	Section	Township	Range	Lot 10	Feet from the	North/South line	Feet from the	East/West line	County

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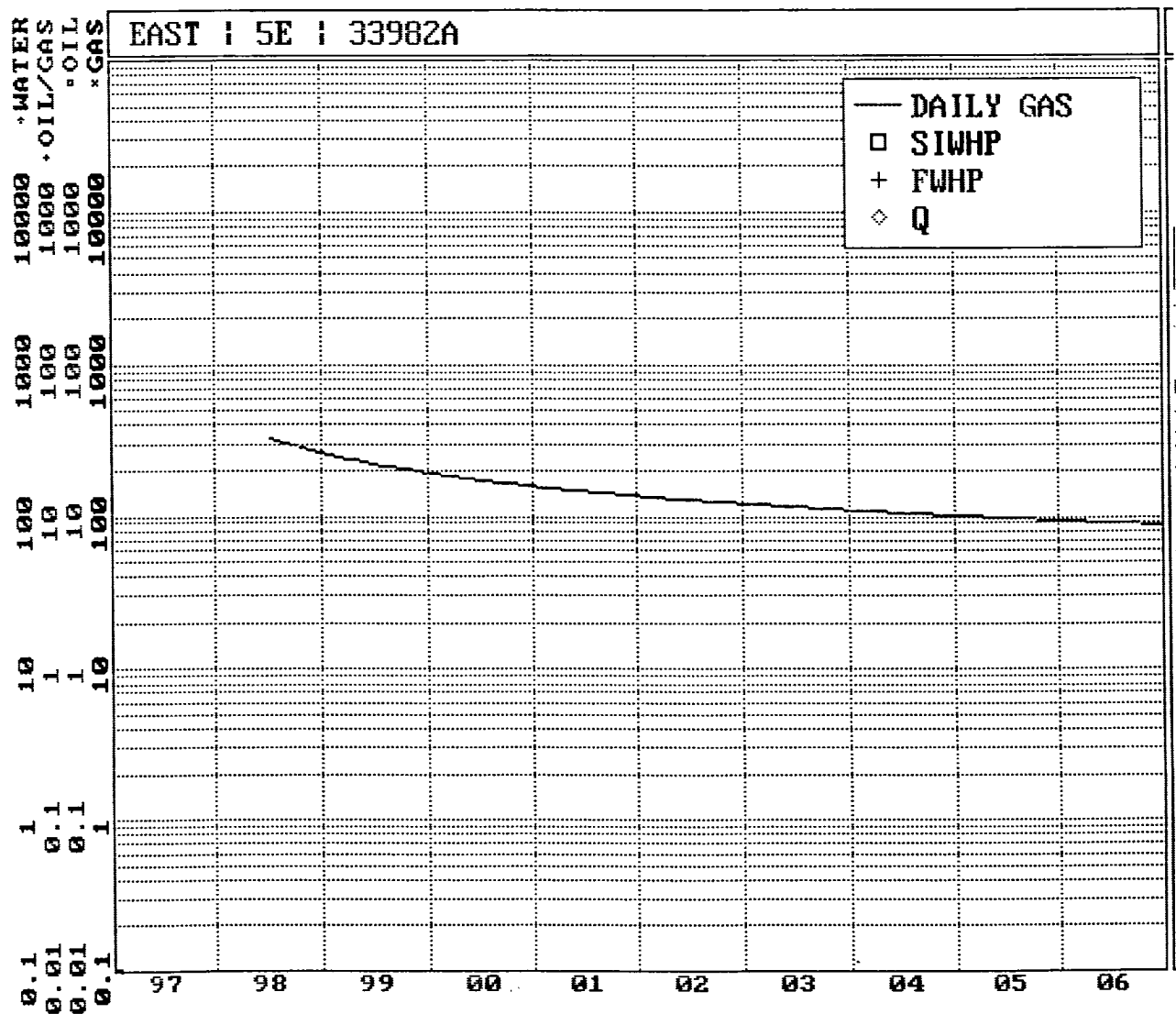
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁵ 2681.91' Revised to show name change COMINGLING ORDER PC-687		¹⁶ SURFACE LOCATION 2674.32' 1615' 875' 5362.50' 5362.50' SF-077652 2642.64'		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Peggy Bradfield Printed Name Regulatory Administrator Title Date MARCH 14, 1998 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 8857 Certified Professional Surveyor	
23 OIL CON. DIV. DIST. 3 JUN - 8 1999 RECEIVED		24 SF-077652 2635.38'			

East #5M
Expected Production
Mesaverde Formation



East #5M
Expected Production
Dakota Formation



East #5M
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	0.704	GAS GRAVITY	0.715
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.62	%N2	0.26
%CO2	0.75	%CO2	1.86
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	5147	DEPTH (FT)	6950
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	535	SURFACE PRESSURE (PSIA)	892
BOTTOMHOLE PRESSURE (PSIA)	611.9	BOTTOMHOLE PRESSURE (PSIA)	1071.0
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.693	GAS GRAVITY	0.709
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.38	%N2	0.41
%CO2	0.82	%CO2	1.78
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	5147	DEPTH (FT)	6950
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	945	SURFACE PRESSURE (PSIA)	2000
BOTTOMHOLE PRESSURE (PSIA)	1088.9	BOTTOMHOLE PRESSURE (PSIA)	2440.9

Page No.: 1
 Print Time: Wed Jun 02 07:05:03 1999
 Property ID: 2703
 Property Name: EAST | 5 | 15393-1
 Table Name: K:\ARIES\RR99PDP\TEST.DBF

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

11/21/54	0	945.0
02/28/61	0	0.0
06/17/70	638536	669.0
06/17/71	700394	607.0
06/17/72	761017	614.0
05/17/73	817851	585.0
07/17/74	900224	577.0
06/17/76	1025771	487.0
05/02/78	1134844	563.0
06/07/80	1209544	567.0
07/23/82	1262990	597.0
08/21/84	1297742	626.0
07/15/86	1334393	609.0
11/16/89	1431785	560.0
05/14/91	1460462	490.0
07/15/91	1464105	502.0
06/01/93	1490166	535.0

East #5M

Mesaverde Offset

Page No.: 1
Print Time: Wed Jun 02 07:04:14 1999
Property ID: 292
Property Name: EAST | 5 | 15394-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF

--DATE-- ---CUM GAS-- M SIWHP
:::McF:::Psi:::

12/23/63	0	2000.0
06/17/70	549313	792.0
11/01/71	623992	739.0
11/01/72	675026	739.0
05/17/73	700305	724.0
04/17/75	797387	702.0
05/16/77	896172	591.0
05/01/79	968819	586.0
08/31/81	1027107	879.0
06/08/83	1075762	844.0
05/29/85	1129636	894.0
01/12/88	1195018	870.0
09/04/90	1268229	892.0

East #5M

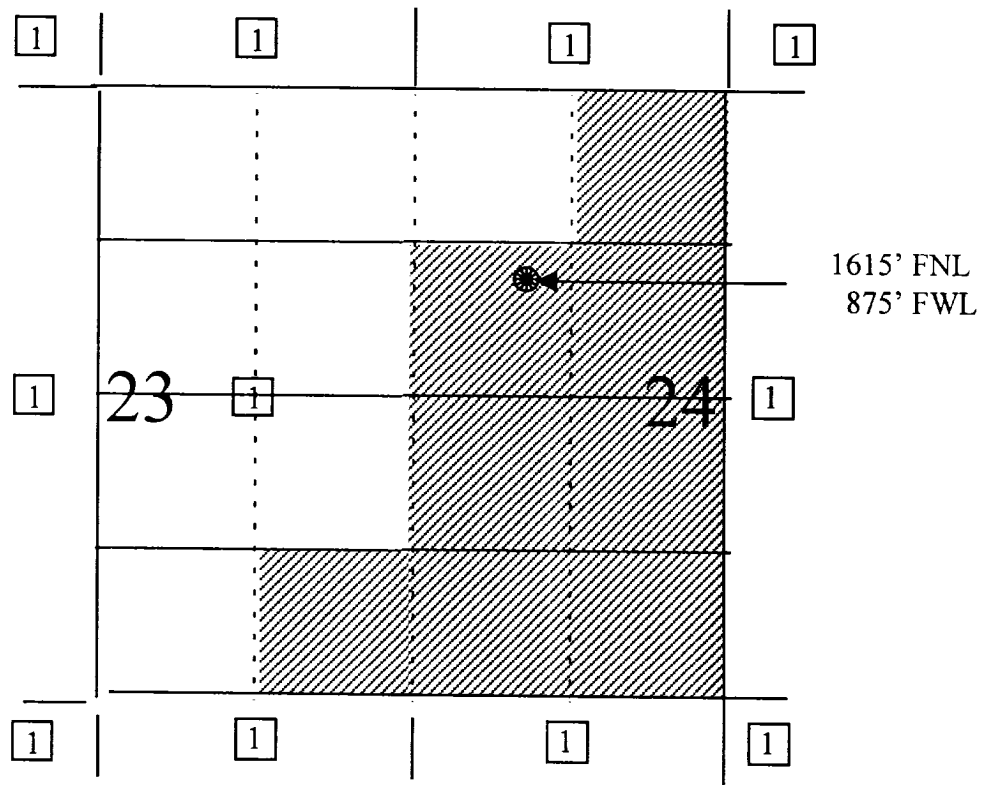
Dakota Offset

BURLINGTON RESOURCES OIL AND GAS COMPANY

**East #5M
OFFSET OPERATOR \ OWNER PLAT
Downhole Commingle**

Mesaverde/Dakota Formations Well

Township 31 North, Range 12 West



1) Burlington Resources

East #5M
Blanco Mesaverde / Basin Dakota
31N - 12W - 24

