

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
311 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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NO

BURLINGTON RESOURCES OIL & GAS COMPANY

PO Box 4289, Farmington, NM 87499

Operator NEW MEXICO B COM #1E Address Unit D, Sec. 7, T29N, R10W San Juan County
Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7359 API NO. 30-045-24536 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	Otero Chacra - 82329		Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	2970'-2993'		6296'-6417'
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. 389 Psia @ 2982' (Original) b. 710 Psia @ 2982'		a. 418 Psia @ 6357' b. 1101 Psia @ 6357'
6. Oil Gravity (°API) or Gas BTU Content	1170		1190
7. Producing or Shut-In?	Producing		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: Rates:	Date: Rates:	Date: Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 3/29/97 Rates: 99 MCFD	Date: Rates:	Date: 3/29/97 Rates: 64 MCFD
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: supplied upon completion	Oil: % Gas: %	Oil: Gas: 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 ☐ 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. NMOCD 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 Kevin L. Midkiff TITLE Operations Engineer DATE 06-23-97

TYPE OR PRINT NAME Kevin L. Midkiff TELEPHONE NO. (505) 326-9700

All distances must be from the center boundaries of the Section.

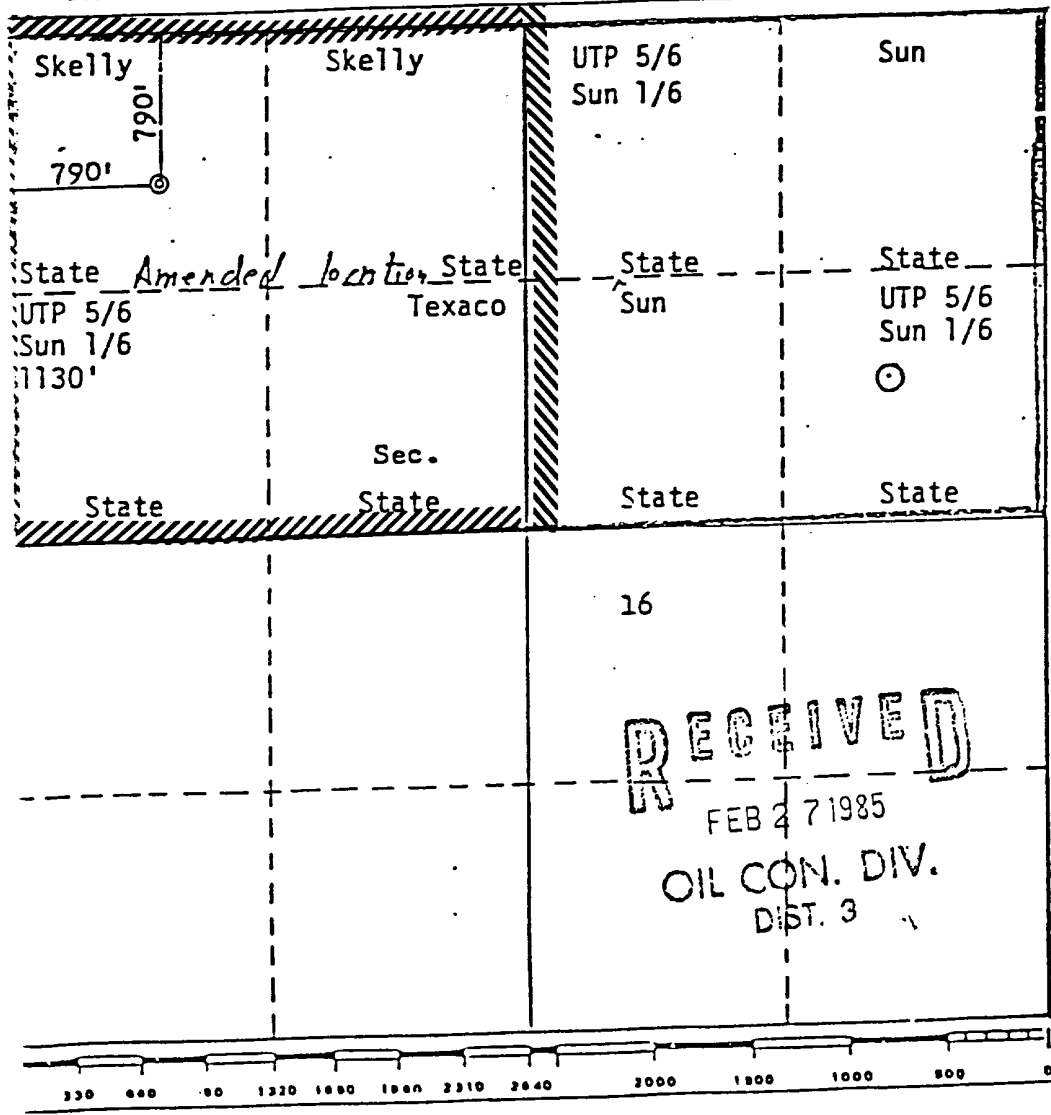
Operator UNION TEXAS PETROLEUM CORPORATION			Lease NEW MEXICO "A" COM		Well No. 1E
Unit Letter D	Section 16	Township 29N	Range 12W	County San Juan	
Actual Footage Location of Well 790 feet from the North line and 790 feet from the West line					
Ground Level Elev. 5773	Producing Formation Dakota /Ch		Pool Basin Dakota		Dedicated Acreage 320 /60Acr

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>Robert C. Frank</i>	
Name	Robert C. Frank
Position	Regulatory & Environmental Analyst
Company	Union Texas Petroleum Corporation
Date	February 25, 1985
I hereby certify that the well location shown on this plot 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 knowledge and belief.	
Date Surveyed	October 24, 1984
Registered Professional Engineer and/or Land Surveyor	<i>Fred B. Kern Jr.</i>
Certified No.	3950

RECEIVED
FEB 27 1985
OIL CON. DIV.
DIST. 3

NEW MEXICO B COM : 1E : 13121S-DAKOTA

*GAS
 *OIL
 *OIL/GAS
 *WATER

1000
 100
 10
 1

1000
 100
 10
 1

10
 1
 1
 1

1
 0.1
 0.1
 1

84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 0

Prop 91 *

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



RateTime
Semi Log

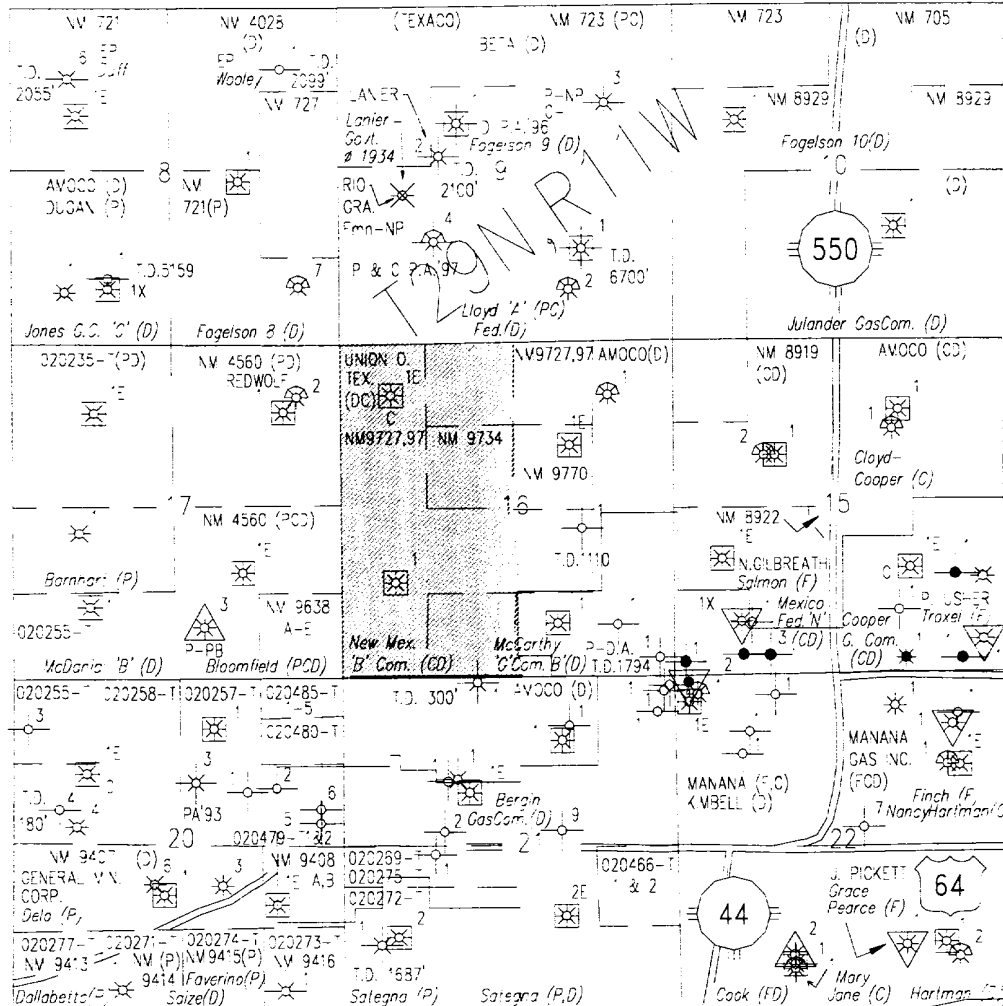
Major = GAS

NEW MEXICO B COM 1E

OFFSET OPERATOR \ OWNER PLAT

Chacra (NW/4)/Dakota (W/2) Formations Dual Completion

Township 29 North, Range 11 West
800' FNL, 800' FWL Section 16



T
29
N

R 11 W

See Attachment.

T-29-N, R-11-W

Section 8: Burlington Resources
3535 East 30th St., P.O. Box 4289
Farmington, NM 87499-4289

Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201

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

Section 9: Burlington Resources
3535 East 30th St., P.O. Box 4289
Farmington, NM 87499-4289

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

Section 10: Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

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

Section 15: Burlington Resources
3535 East 30th St., P.O. Box 4289
Farmington, NM 87499-4289

Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201

Norman L. Gilbreath
P.O. Box 208
Aztec, NM 87410

Section 16: Burlington Resources
3535 East 30th St., P.O. Box 4289
Farmington, NM 87499-4289

Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201

Section 17: Burlington Resources
3535 East 30th St., P.O. Box 4289
Farmington, NM 87499-4289

Redwolf Production Inc.
P.O. Box 356
Farmington, NM 87499

Section 20: Burlington Resources
3535 East 30th St., P.O. Box 4289
Farmington, NM 87499-4289

W.M. Galloway
3005 Northridge Dr., Suite I
Farmington, NM 87401

General Minerals Corp.
4133 N. Lincoln Blvd
Oklahoma City, OK 73105-5208

Section 21: Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201

Section 22: Manana Gas Inc.
2520 Tramway Terrace CRT NE
Albuquerque, NM 87122

New Mexico B Com #1E
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

CHACRA

CH-Current

GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C
%N2	0.58
%CO2	1.59
%H2S	0
DIAMETER (IN)	2.063
DEPTH (FT)	2982
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	98
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	360
BOTTOMHOLE PRESSURE (PSIA)	389.1

Dakota

DK-Current

GAS GRAVITY	0.722
COND. OR MISC. (C/M)	C
%N2	1.68
%CO2	1.36
%H2S	0
DIAMETER (IN)	2.063
DEPTH (FT)	6357
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	142
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	355
BOTTOMHOLE PRESSURE (PSIA)	418.2

CH-Original

GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C
%N2	0.58
%CO2	1.59
%H2S	0
DIAMETER (IN)	2.063
DEPTH (FT)	2982
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	98
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	654
BOTTOMHOLE PRESSURE (PSIA)	710.2

DK-Original

GAS GRAVITY	0.722
COND. OR MISC. (C/M)	C
%N2	1.68
%CO2	1.36
%H2S	0
DIAMETER (IN)	2.063
DEPTH (FT)	6357
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	142
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	918
BOTTOMHOLE PRESSURE (PSIA)	1101.1

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Editing: NEW MEXICO B COM | 1E | 22122B-1 Property No.: 92
 Table(T): TEST/M,P,H,T,Z,C,A,O,D,1,2,3,B,U,S Rec: 1/4/890
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
04/04/83	18740	654.0
06/19/84	65694	573.0
09/03/85	122941	538.0
03/31/97	389658	360.0

F1=Help F3=PrvProp F5=PrvTbl F7=InsRcd F9=Utils Alt+TableLtr=Change Table
 F2=Jump F4=NxtProp F6=NxtTbl F8=DelRcd F10=Exit Shift+<- ->=Fast Tbl R & L

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Editing: NEW MEXICO B COM | 1E | 13121S-1 Property No.: 91
 Table(T): TEST/M,P,H,T,Z,C,A,O,D,1,2,3,B,U,S Rec: 1/7/890
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
04/04/83	35070	918.0
06/19/84	101740	671.0
09/03/85	173382	609.0
04/02/88	285159	614.0
11/27/90	326894	717.0
02/01/93	403859	745.0
03/31/97	534804	355.0

F1=Help F3=PrvProp F5=PrvTbl F7=InsRcd F9=Utils Alt+TableLtr=Change Table
 F2=Jump F4=NxtProp F6=NxtTbl F8=DelRcd F10=Exit Shift+<- ->=Fast Tbl R & L

CHACRA

FDG055M4 S024

WELL PRODUCTION 8/8'S VOLUME

03/31/97 15:38:24

START OF DATA

DP NO: 22122B

CHACRA

DATE: 970329 (YYMMDD FORMAT)

NEW MEXICO B COM

1E SCROLL FORWARD BY DATE: _

S

DATE	HOURS	-OIL PRODN-	-GAS PRODN-	-WATER PRODN-
PRODUCED	ON	(BOPD BOPM)	(MCFD MCFM)	(BWPD BWPM)
03/29/97	24.0	0.00	0.00	99 1665 0.00 0.00
03/28/97	24.0	0.00	0.00	99 1566 0.00 0.00
03/27/97	24.0	0.00	0.00	101 1467 0.00 0.00
03/26/97	24.0	0.00	0.00	101 1366 0.00 0.00
03/25/97	24.0	0.00	0.00	99 1265 0.00 0.00
03/24/97	24.0	0.00	0.00	105 1166 0.00 0.00
03/23/97	24.0	0.00	0.00	100 1061 0.00 0.00
03/22/97	24.0	0.00	0.00	38 961 0.00 0.00
03/21/97	24.0	0.00	0.00	40 923 0.00 0.00
03/20/97	24.0	0.00	0.00	40 883 0.00 0.00
03/19/97	24.0	0.00	0.00	41 843 0.00 0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
 PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP
 B MY JOB LU #26

DAKOTA

FDG055M4 S024

WELL PRODUCTION 8/8'S VOLUME

03/31/97 15:38:43

START OF DATA

DP NO: 13121S

DAKOTA

DATE: 970329 (YYMMDD FORMAT)

NEW MEXICO B COM

1E SCROLL FORWARD BY DATE: _

S

DATE	HOURS	-OIL PRODN-	-GAS PRODN-	-WATER PRODN-
PRODUCED	ON	(BOPD BOPM)	(MCFD MCFM)	(BWPD BWPM)
03/29/97	24.0	0.00	-4.41	64 1996 0.00 0.00
03/28/97	24.0	0.00	-4.41	64 1932 0.00 0.00
03/27/97	24.0	0.00	-4.41	115 1868 0.00 0.00
03/26/97	24.0	0.00	-4.41	115 1753 0.00 0.00
03/25/97	24.0	3.34	-4.41	302 1638 0.00 0.00
03/24/97	24.0	3.34	-7.75	61 1336 0.00 0.00
03/23/97	24.0	1.01	-11.09	91 1275 0.00 0.00
03/22/97	24.0	1.01	-12.10	159 1184 0.00 0.00
03/21/97	24.0	1.01	-13.11	34 1025 0.00 0.00
03/20/97	24.0	1.01	-14.12	34 991 0.00 0.00
03/19/97	24.0	1.01	-15.13	29 957 0.00 0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
 PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP
 B MY JOB LU #26

WELL ID	NAME	BA ADDRESSEE NAME	INT TYPE
22122B	BURLINGTON RESOURCES O&G CO		NWI
22122B	FOUR STAR OIL & GAS COMPANY		GW
22122B	GENEVIEVE B DUDLEY		ORRI
22122B	GLACIER PARK COMPANY		NWI
22122B	H A LUKE		ORRI
22122B	HELEN B HEBBELN		ORRI
22122B	JAMES E BRUNS		ORRI
22122B	LINDEN FAMILY TRUST	c/o JAMES S LINDEN TRUSTEE	ORRI
22122B	PAUL E BRUNS		ORRI
22122B	STATE OF NEW MEXICO		RI

New Mexico B Com # 1E (DP# 22122B)
GWl, NWl, RI ORRI Owner Names/Addresses

WELL ID	NAME	BA ADDRESSEE NAME	ADDR	CITY	ST	ZIP	INT TYPE
22122B	FOUR STAR OIL & GAS COMPANY		PO BOX 2100	DENVER	CO	80201-2100	GWl
22122B	GENEVIEVE B DUDLEY		5 GLENDALE TER	IOWA CITY	IA	52245	ORRI
22122B	H A LUKE	ADDRESS UNKNOWN		-			ORRI
22122B	HELEN B HEBBELN		4470 270TH ST	STOCKTON	IA	52769	ORRI
22122B	JAMES E BRUNS		9404 CROWNSPOINT CIR	AUSTIN	TX	78748-6016	ORRI
22122B	LINDEN FAMILY TRUST	JAMES S LINDEN TRUSTEE	1413 32ND AVE	ROCK ISLAND	IL	61201	ORRI
22122B	PAUL E BRUNS		PO BOX 746	MANCHACA	TX	78652-0746	ORRI
22122B	STATE OF NEW MEXICO		PO BOX 1148	SANTA FE	NM	87504-1148	RI