DATE IN	SUSPENSE	ENGINEER	LOGGED	TYPE
6/25/97	7/15/97	DC	KW	DHC

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

RECEIVED
JUN 25 1997
OIL CONSERVATION DIVISION

1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☒ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

3] **INFORMATION / DATA SUBMITTED IS COMPLETE** - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Bradfield	Peggy Bradfield	Regulatory/Compliance Administrator	6/24/97
Print or Type Name	Signature	Title	Date

BURLINGTON RESOURCES

SAN JUAN DIVISION

June 24, 1997

SENT FEDERAL EXPRESS

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

Re: New Mexico B Com #1E
800'FNL, 800'FWL, Section 16, T-29-N, R-11-W
30-045-24536

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Otero Chacra and Basin Dakota in the subject well.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas Company 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 curves for Chacra and Dakota;
4. Notification list of offset operators;
5. Shut in wellhead pressure and calculated down hole pressure of surrounding wells;
6. Nine-section plats for the Chacra and Dakota.

If you are a working, overriding or royalty interest owner in either of the above described pools, you are being notified of this application as a requirement of the New Mexico Oil Conservation Division Rule #303C. Burlington, as operator, believes this application will be in the best interest of all owners. If you have no objection to this commingling application, you do not have to respond to this notification. Upon establishment of production from this well, you will receive your proportionate share of revenues from the pool in which you own an interest according to the proposed allocation formula.

The Division Director may approve the proposed commingling within 20 days after the receipt of this application, in the absence of valid objection from any offset operator or any interest owner, where ownership is not common in the zones to be commingled.

We will consult with the Supervisor of the Aztec District Office of the New Mexico Oil Conservation Division to establish an allocation formula.

Please let me know if you require additional data.

Sincerely,

Peggy Bradfield

Peggy Bradfield
Regulatory/Compliance Administrator
xc: Bureau of Land Management - hand delivered

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 :
_X_ Administrative ___Hearing

EXISTING WELLBORE
_X__ YES ___ NO

BURLINGTON RESOURCES OIL & GAS COMPANY — PO Box 4289, Farmington, NM 87499
Operator — Address

NEW MEXICO B COM — #1E — Unit D, Sec. 7, T29N, R10W — San Juan County
Lease — 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'	a.	a. 418 Psia @ 6357'
	(Original) b. 710 Psia @ 2982'	b.	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 _X 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? __X_ 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. ___X__ 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

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_____

ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

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

Operator	Lease	Well No.
UNION TEXAS PETROLEUM CORPORATION	NEW MEXICO "A" COM	1E

Unit Letter	Section	Township	Range	County
D	16	29N	12W	San Juan

Actual Footage Location of Well: 790 feet from the North line and 790 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5773	Dakota/Ch	Basin Dakota	320/160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

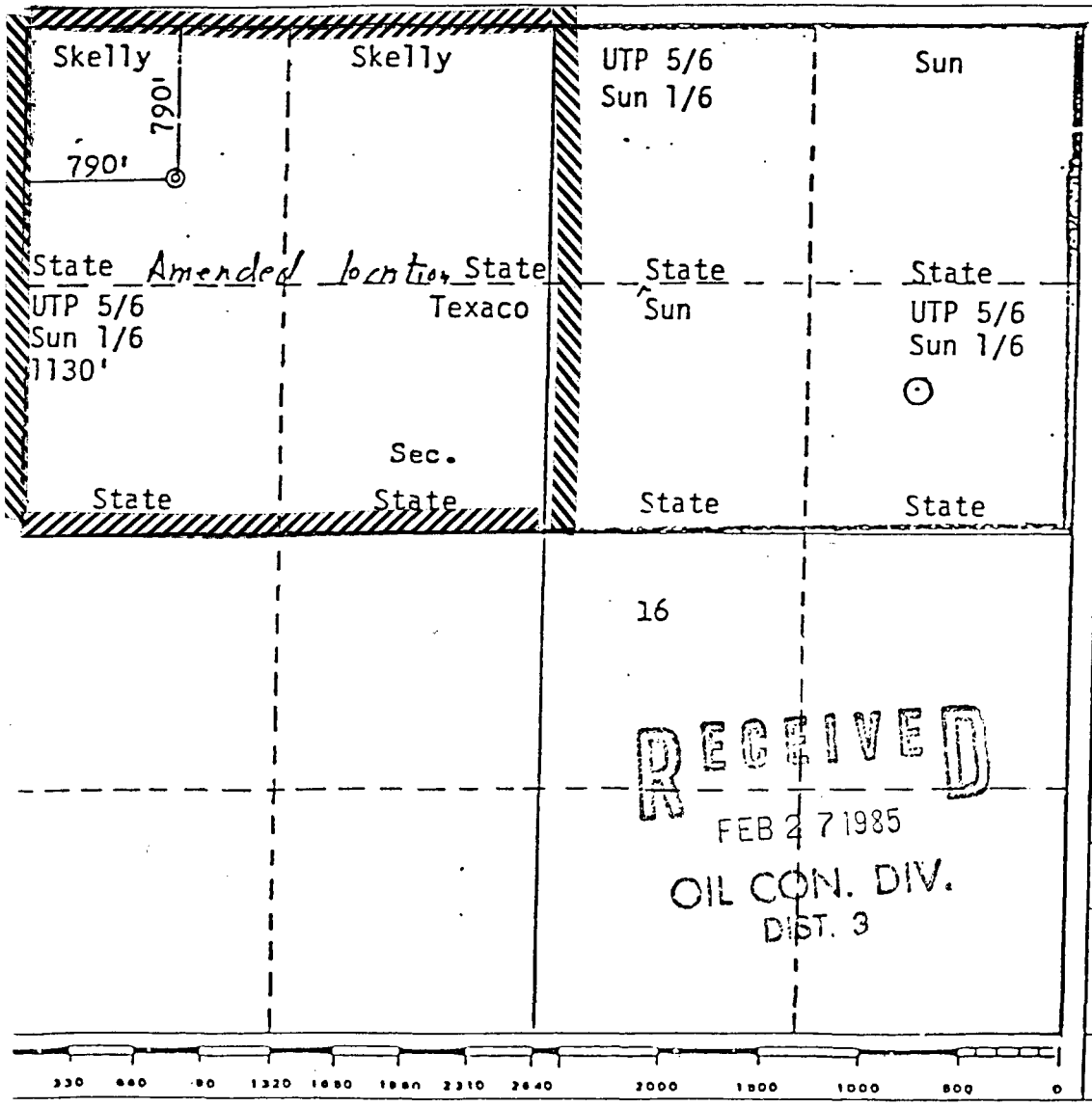
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to workin interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli dated 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 o 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 Commis sion.



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

Scale: 1"=1000'

CERTIFICATION

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

Robert C. Frank

Name: Robert C. Frank

Position: Regulatory & Environmental Analyst

Company: Union Texas Petroleum Corporation

Date: February 25, 1985

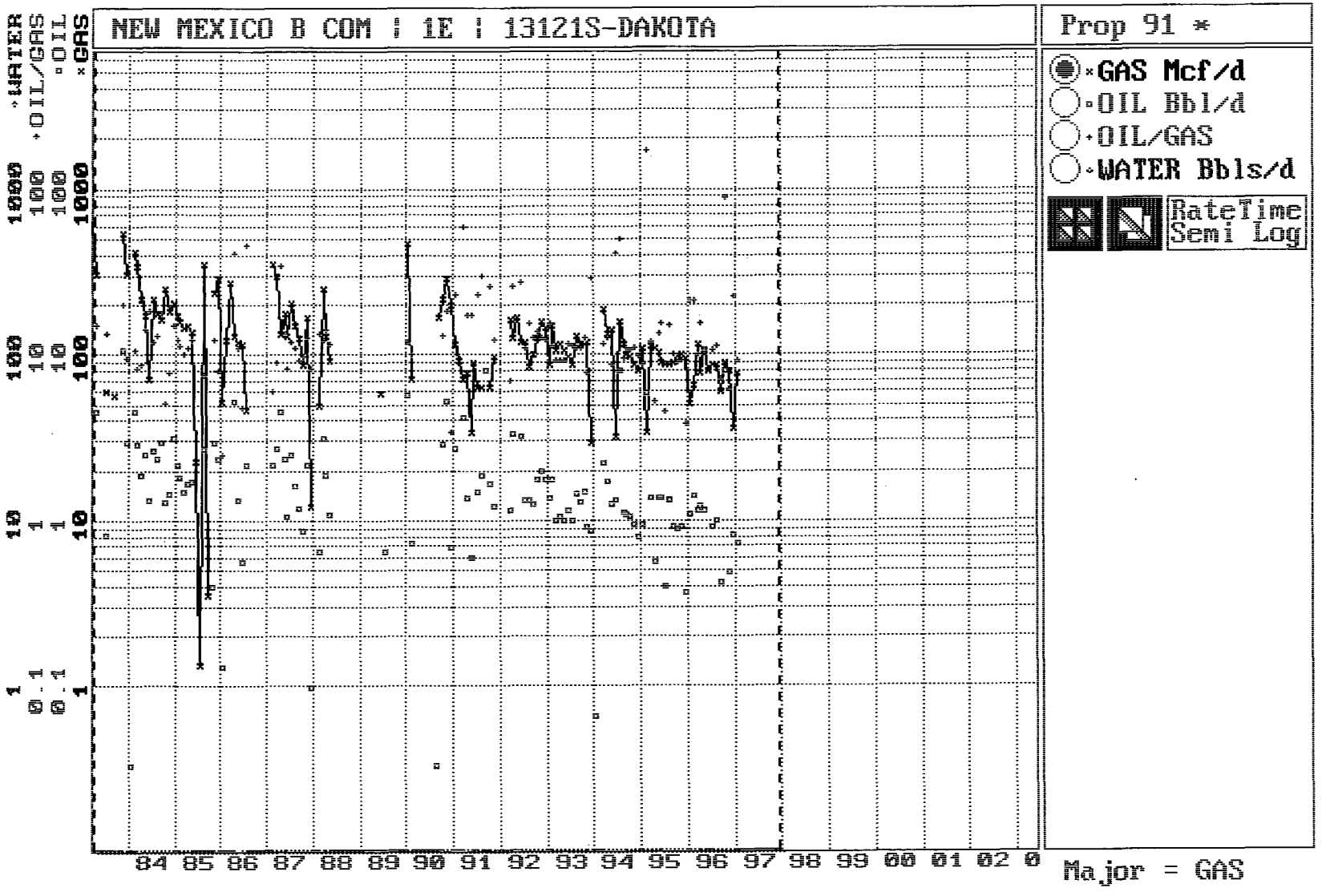
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

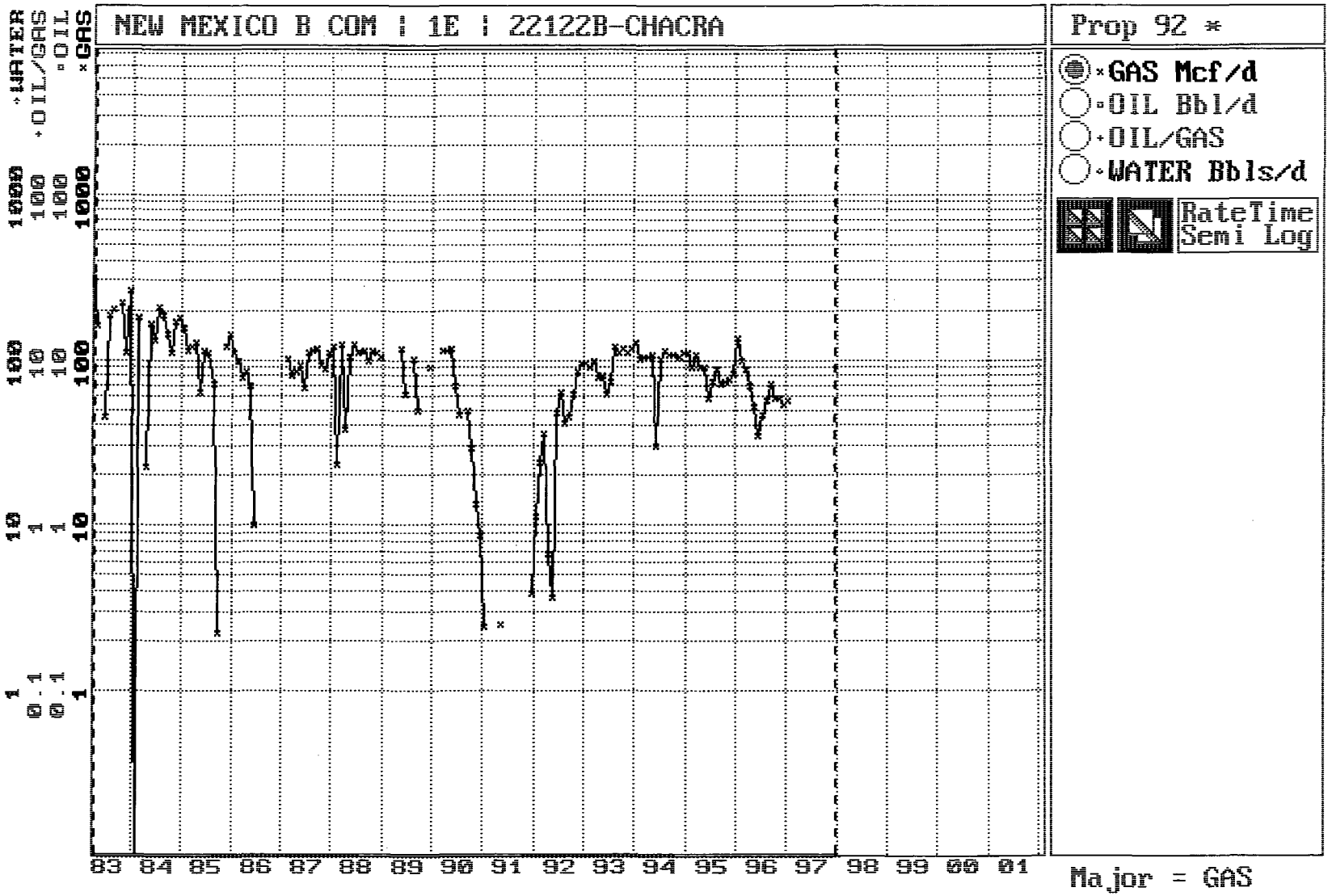
Date Surveyed: October 29, 1984

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No. 3950


NEW MEXICO B COM | 1E | 13121S-DAKOTA
Prop 91 *
GAS Mcf/d
OIL Bbl/d
OIL/GAS
WATER Bbls/d
RateTime
Semi Log
WATER
OIL/GAS
OIL
GAS
10000
1000
100
10
1
0.1
84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 0
Major = GAS


NEW MEXICO B COM 1 1E 1 22122B-CHACRA
Prop 92 *
×GAS Mcf/d
▫OIL Bbl/d
·OIL/GAS
·WATER Bbls/d
RateTime
Semi Log
·WATER ·OIL/GAS ▫OIL ×GAS
10000 1000 1000 1000
1000 100 100 100
100 10 10 10
10 1 1 10
1 0.1 0.1 1
83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01
Major = GAS

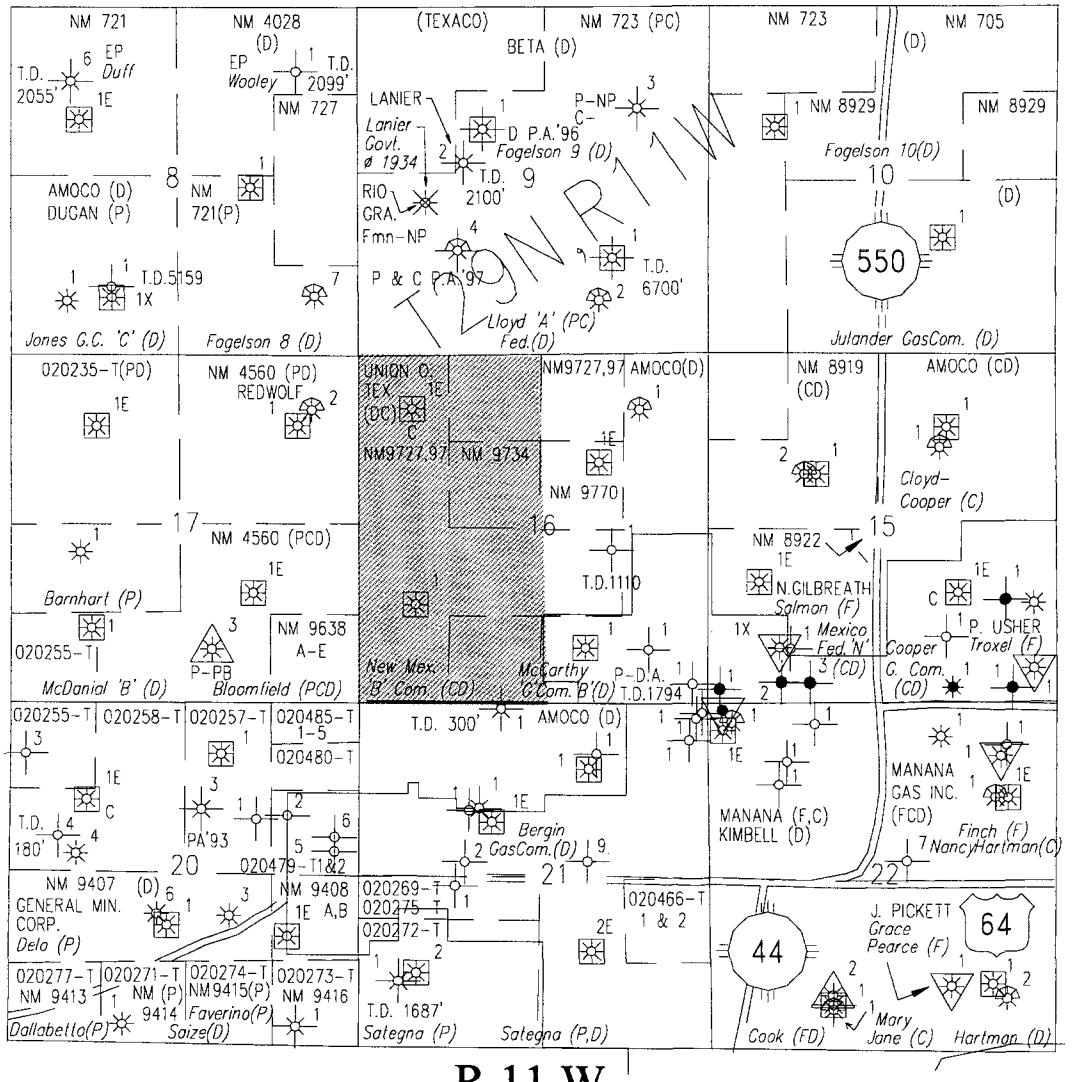
BURLINGTON RESOURCES OIL AND GAS COMPANY

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

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

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

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

E L	DATE PRODUCED	HOURS ON	-OIL PRODN- (BOPD	BOPM)	-GAS PRODN- (MCFD	MCFM)	-WATER PRODN- (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

E L	DATE PRODUCED	HOURS ON	-OIL PRODN- (BOPD	BOPM)	-GAS PRODN- (MCFD	MCFM)	-WATER PRODN- (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

New Mexico B Com #1E Well
DP# 22122B
GWI, NWI, RI ORRI Owners

WELL ID	NAME	BA ADDRESSEE NAME	INT TYPE
22122B	BURLINGTON RESOURCES O&G CO		NWI
22122B	FOUR STAR OIL & GAS COMPANY		GWI
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

cxj - 6/20/97
22122B.XLS

New Mexico B Com # 1E (DP# 22122B)
GWI, NWI, 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	GWI
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

cxj - 6/20/97
22122B.XLS