

DISTRICT I
1525 N. French Dr. Hobbs NM 88240
DISTRICT II
611 South First St. Artesia NM 88210
DISTRICT III
1000 Rio Grande Rd. Artesia NM 87410
DISTRICT IV
2040 S. Pacheco Santa Fe NM 87505

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
Revised August 1999

APPROVAL PROCESS:

Administrative Hearing

EXISTING WELLBORE

X YES NO

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

CALLOWAY

3

E 22-31N-11W

SAN JUAN

County

Lease

Well No

Unit Ltr. - Sec - Twp - Rge

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6881 API NO. 30-045-25337

Federal X State and/or Fee X

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	BLANCO PIC. CLIFFS - 72359	BLANCO MESAVERDE - 72319	BASIN DAKOTA - 71599
2. Top and Bottom of Pay Section (Perforations)	2501' - 2562'	Will be supplied upon completion	6867' - 7061'
3. Type of production (Oil or Gas)	GAS	GAS	GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING
5. Bottomhole Pressure	a. (Current) 509 psi (see attachment)	a. (Current) 612 psi (see attachment)	a. (Current) 792 psi (see attachment)
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. (Original) 887 psi (see attachment)	b. (Original) 1251 psi (see attachment)	b. (Original) 1601 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1164	BTU 1206	BTU 1116
7. Producing or Shut-in?	PRODUCING		PRODUCING
Production Marginal? (yes or no)	NO	NO	YES
* If Shut-in, give date and oil/gas/water rates of last production	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.			
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: N/A Rates:	Date: N/A 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: % WILL BE SUPPLIED UPON COMPLETION	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 X No
If not, have all working, overriding, and royalty interests been notified by certified mail? 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 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

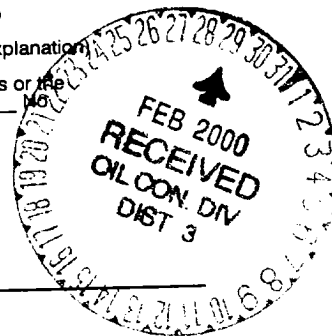
Sean Corrigan

TITLE PRODUCTION ENGINEER

DATE: 2/25/00

TYPE OR PRINT NAME SEAN CORRIGAN

TELEPHONE NO. 505-326-9700



District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, 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

1 AFI Number 30-045-25337		2 Pool Code 71599 72359/72319/		3 Pool Name Basin Dakota Blanco Pictured Cliffs/Blanco Mesaverde	
4 Property Code 6881		5 Property Name Calloway			6 Well Number 3
7 OGRID No. 14538		8 Operator Name Burlington Resources Oil & Gas Company			9 Elevation 5865'GR

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	22	31N	11W		1490	North	980	West	SJ

11 Bottom Hole Location If Different From Surface

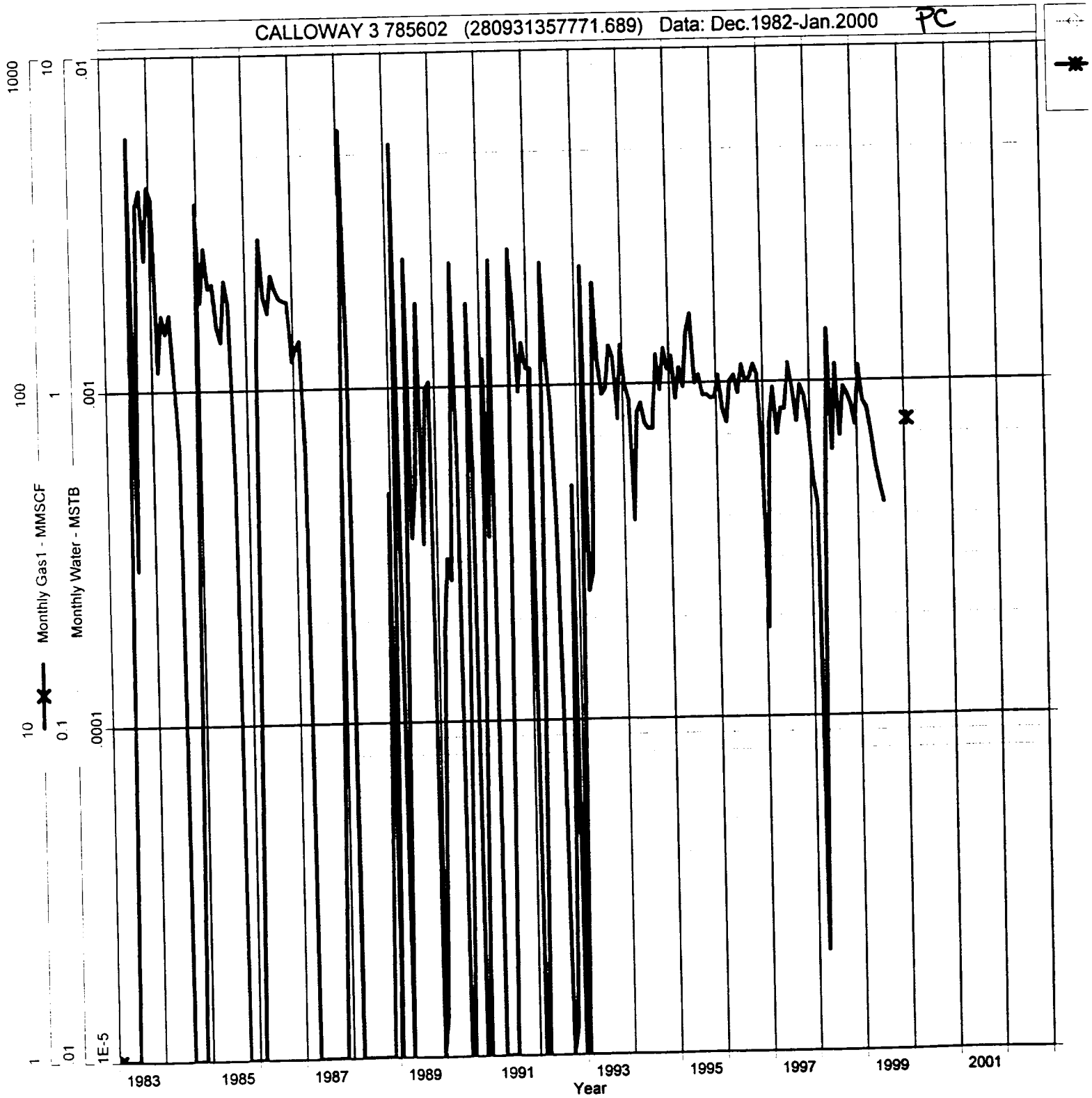
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres PC-160 MV/DK-N/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

16 Original plat from Fred B. Kerr Jr. 1-11-82				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 Cole Printed Name Regulatory Administrator Title 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. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number	

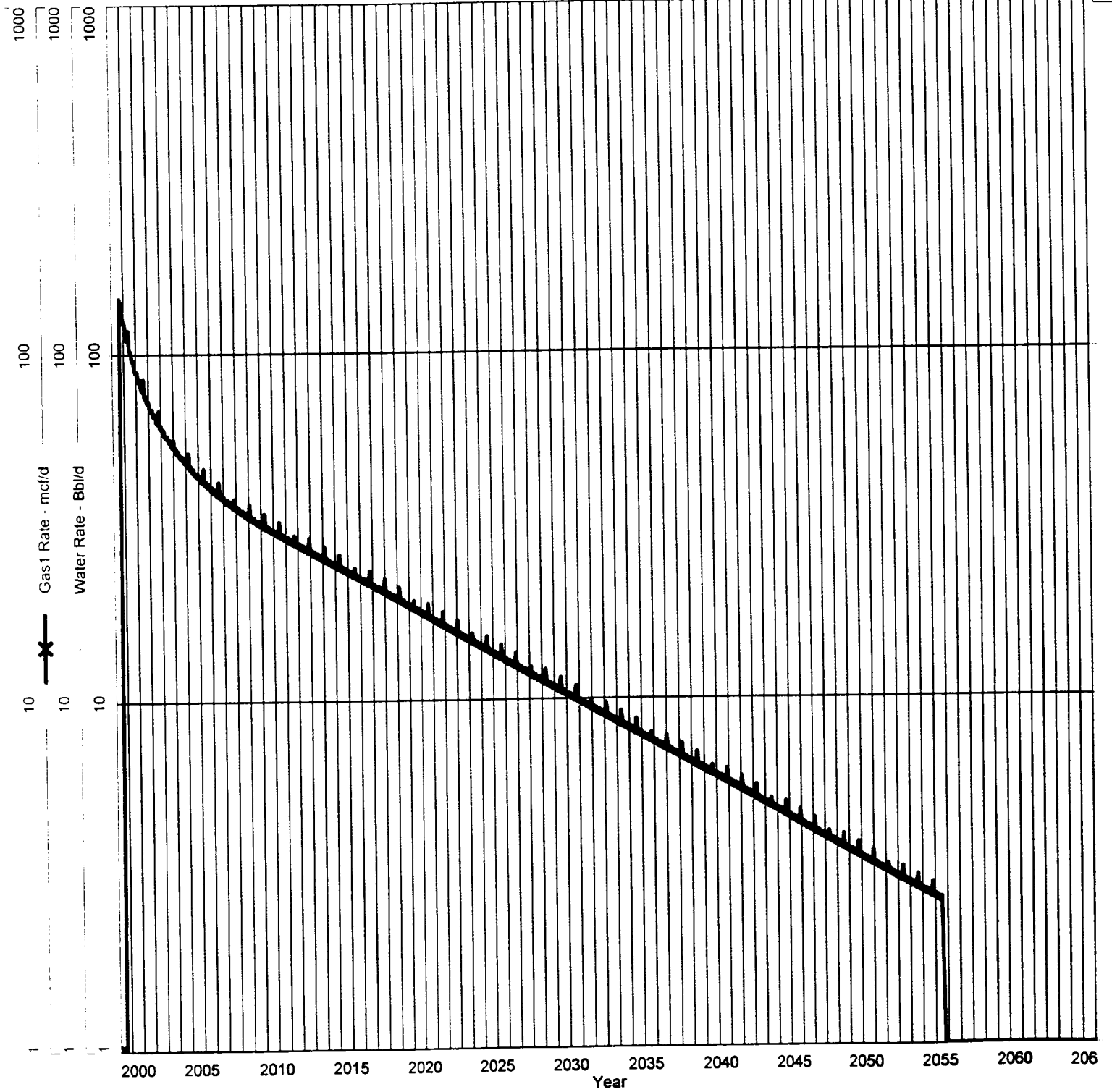
Calloway #3
Existing Production
Pictured Cliffs Formation



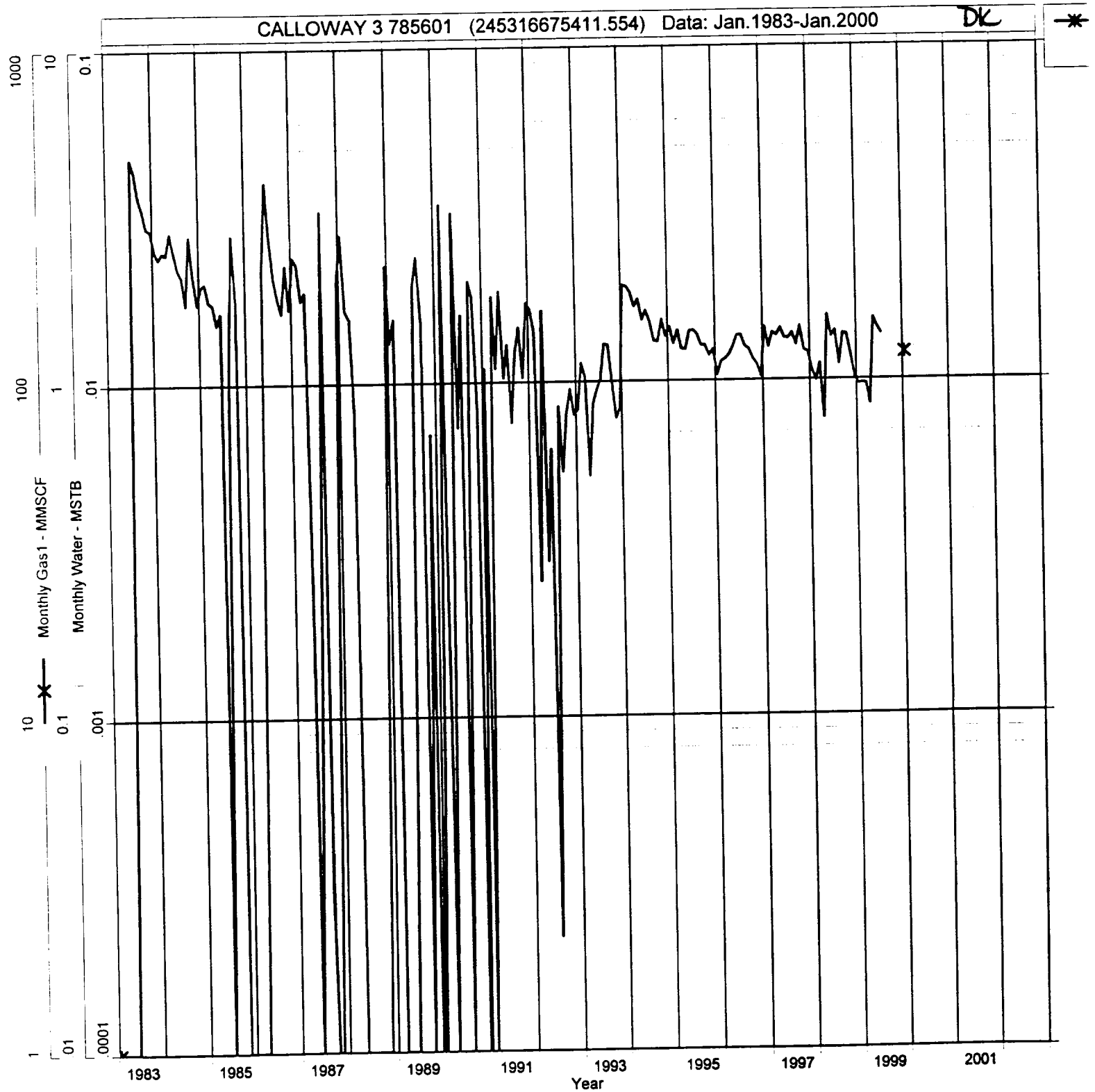
Calloway #3
Expected Production
Mesaverde Formation

(C04E43F2-EA34-11D3-99) Data: Feb.2000-Feb.2000

MV



Calloway #3
Existing Production
Dakota Formation



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

Pictured Cliffs		Mesaverde	
<u>PC-Current</u>		<u>MV-Current</u>	
GAS GRAVITY	0.664	GAS GRAVITY	0.693
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.27	%N2	0.27
%CO2	0.3	%CO2	0.81
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2
DEPTH (FT)	2469	DEPTH (FT)	4848
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)	480	SURFACE PRESSURE (PSIA)	545
BOTTOMHOLE PRESSURE (PSIA)	509.4	BOTTOMHOLE PRESSURE (PSIA)	612.2
<u>PC-Original</u>		<u>MV-Original</u>	
GAS GRAVITY	0.664	GAS GRAVITY	0.693
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.27	%N2	0.27
%CO2	0.3	%CO2	0.81
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2
DEPTH (FT)	2469	DEPTH (FT)	4848
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)	833	SURFACE PRESSURE (PSIA)	1103
BOTTOMHOLE PRESSURE (PSIA)	887.2	BOTTOMHOLE PRESSURE (PSIA)	1250.7

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

Dakota	
<u>DK-Current</u>	
GAS GRAVITY	0.66
COND. OR MISC. (C/M)	C
%N2	0.19
%CO2	2.33
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7042
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	665
BOTTOMHOLE PRESSURE (PSIA)	791.5
<u>DK-Original</u>	
GAS GRAVITY	0.66
COND. OR MISC. (C/M)	C
%N2	0.19
%CO2	2.33
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7042
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1322
BOTTOMHOLE PRESSURE (PSIA)	1600.7

CALLOWAY #3

PICTURED CLIFFS OFFSET

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
CALLOWAY 2	5/7/79	833
CALLOWAY 2	7/17/79	742
CALLOWAY 2	9/24/81	601
CALLOWAY 2	4/24/82	524
CALLOWAY 2	6/20/84	521
CALLOWAY 2	4/10/85	480

CALLOWAY #3

MESAVERDE OFFSET

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
AZTEC A 1 373001	01/28/58	1,103
AZTEC A 1 373001	02/12/58	981
AZTEC A 1 373001	12/05/58	800
AZTEC A 1 373001	09/14/59	622
AZTEC A 1 373001	07/22/60	616
AZTEC A 1 373001	12/13/61	614
AZTEC A 1 373001	05/22/62	604
AZTEC A 1 373001	02/27/63	595
AZTEC A 1 373001	07/15/63	0
AZTEC A 1 373001	08/21/63	569
AZTEC A 1 373001	09/08/64	554
AZTEC A 1 373001	02/23/65	574
AZTEC A 1 373001	03/14/66	581
AZTEC A 1 373001	03/01/67	584
AZTEC A 1 373001	03/11/68	544
AZTEC A 1 373001	08/05/69	548
AZTEC A 1 373001	05/28/70	585
AZTEC A 1 373001	06/02/71	570
AZTEC A 1 373001	05/17/72	571
AZTEC A 1 373001	07/23/73	590
AZTEC A 1 373001	05/07/74	590
AZTEC A 1 373001	05/20/76	608
AZTEC A 1 373001	04/25/78	611
AZTEC A 1 373001	06/27/80	589
AZTEC A 1 373001	06/21/82	485
AZTEC A 1 373001	05/01/86	472
AZTEC A 1 373001	10/07/89	556
AZTEC A 1 373001	03/18/91	475
AZTEC A 1 373001	08/16/91	545

CALLOWAY #3

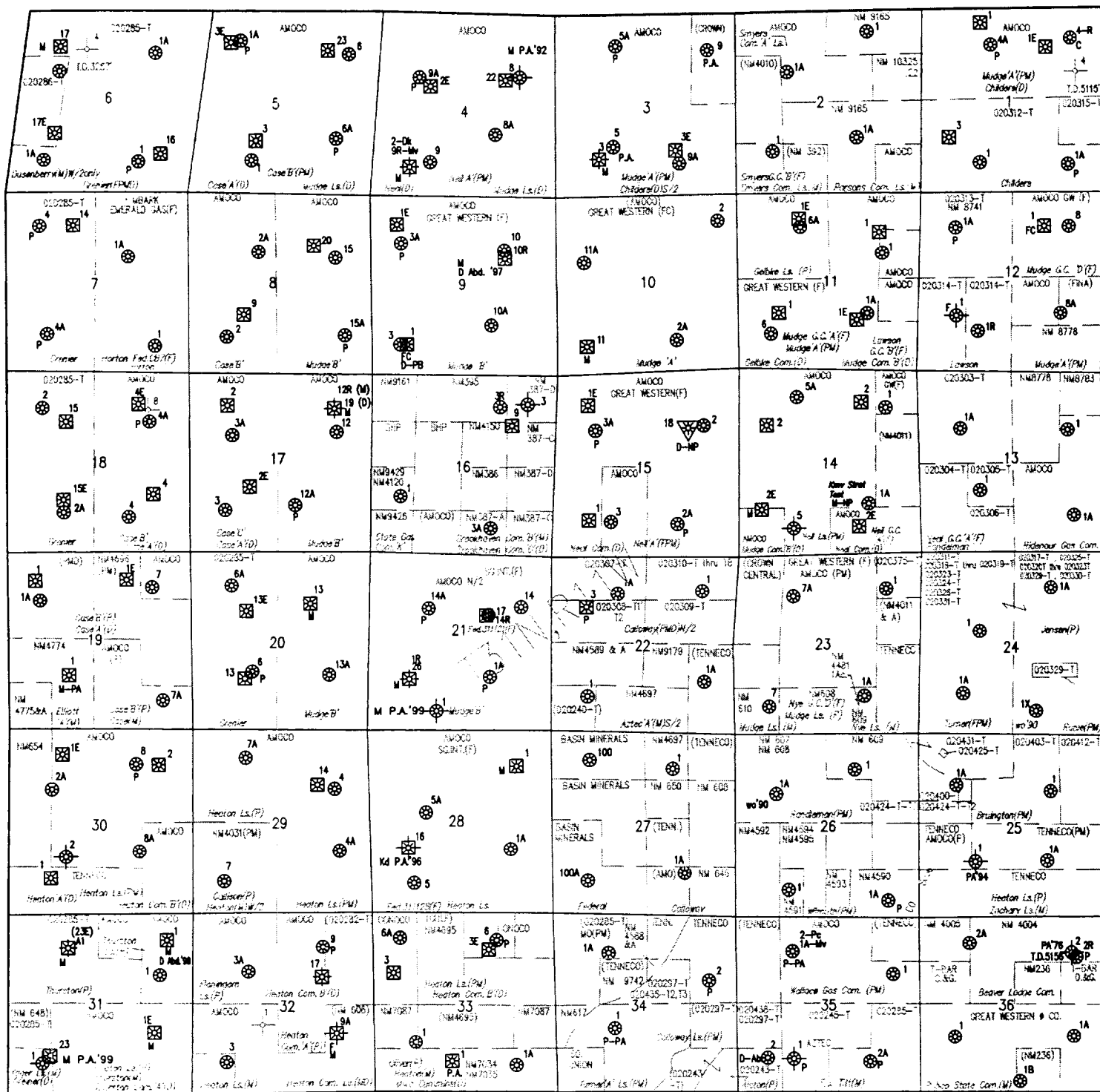
EXISTING DAKOTA

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
CALLOWAY 3 785601	8/1/83	1,322
CALLOWAY 3 785601	7/11/84	973
CALLOWAY 3 785601	4/10/85	950
CALLOWAY 3 785601	4/9/99	665

Calloway #3

Pictured Cliffs / Mesaverde / Dakota

31N - 11W - 22E



IBEX Partnership, LTD
Attention: O.H.Reaugh
PO Box 911
Breckenridge, Texas 76424

States, Inc.
PO Box 911
Breckenridge, Texas 76424-0911