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Hobbs, NM 88241-1980
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811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-140
Originated 11/1/95

Submit Original
Plus 2 Copies
to appropriate
District Office

4-0265

**APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL**

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE
APPROPRIATE DISTRICT OFFICE OF THE CONSERVATION DIVISION.

- I. Operator: Marathon Oil Company OGRID #: 14021
Address: P. O. Box 552 - Midland, Texas 79702
Contact Party: Richard E. Pollard Phone #: (915) 687-8326
- II. Name of Well: Bertha Barber No. 15 API #: 3002532532
Location of Well: Unit Letter 3, 990 Feet from the N line and 1980 feet from the W line,
Section 5, Township 20-S, Range 37-E, NMPM, Lea County
- III. Date Workover Procedures Commenced: April 11, 1996
Date Workover Procedures were Completed: April 12, 1996
- IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.
- V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
- VI. Pool(s) on which Production Projection is based: Yates Seven Rivers Queen
- VII. AFFIDAVIT:

State of Texas)
) ss.
County of Midland)

Richard E. Pollard, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
Restoration Project.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Richard E. Pollard
(Name)

Senior Government Compliance Representative
(Title)

BERTHA BARBER NO. 15
BASIS OF PRODUCTION PROJECTION

The production projection was based on decline curve analysis using Aries PC program and the following parameters:

Gas:

Start of history match:	December 1995
End of history match:	March 1996
Projection method:	Auto fit using exponential decline
Bad data removed:	None

h:\rep\PrPrBB#15

BERTHA BARBER NO. 15
DESCRIPTION OF WORKOVER PROCEDURE
(4/11/96 - 4/12/96)

Purpose: Install rod pump in gas well to keep well unloaded.

1. Set pumping unit and engine.
2. Rigged up pulling unit, killed well, NU BOP's, POOH with tubing.
3. RIH with slotted mud joint, F nipple and production tubing.
4. Ran 1-1/4" insert pump and steel rods.
5. Hung off pump.

h:\rep\WOPBB#15

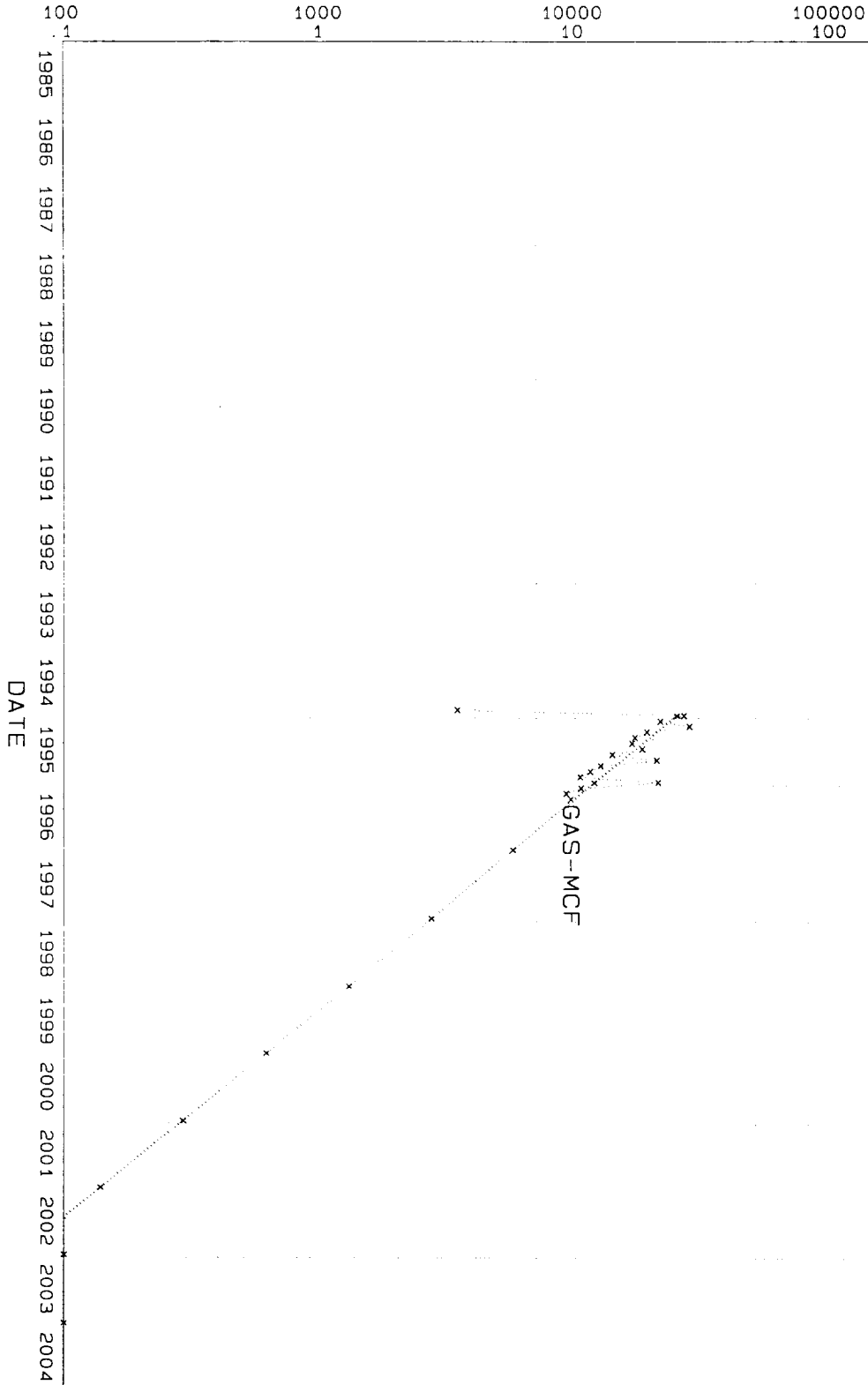
GAS-MCF
OIL-BBL

BERTHA BARBER
FIELD : EUMONT
COUNTY: LEA
OPERATOR: MARATHON OIL COMPANY

WELL NO. 15

STATE : NM

GAS *.....*
Gai=DEFAULT
Ref= 12/94
Cum= 3.406
Rem= 414.216
EUR= 417.622
Yrs= 12.417
Q1= 25570.9
De= 52.323
n= .000
Qad= 2.7



BERTHA BARBER WELL NO. 15
API NO. 30025325320000
EUMONT FIELD
LEA COUNTY , NM

DATE: 06/03/96
TIME: 13:16:45
PAGE: 1
MOCNM.DBS

P R O D U C T I O N F O R E C A S T

DATE	OIL / COND	GAS
PRIOR	0	0
5/96	0	8683
6/96	0	8163
7/96	0	7675
8/96	0	7215
9/96	0	6783
10/96	0	6377
11/96	0	5996
12/96	0	5637
YTD/96	0	56530
1/97	0	5299
2/97	0	4982
3/97	0	4684
4/97	0	4404
5/97	0	4140
6/97	0	3892
7/97	0	3659
8/97	0	3440
9/97	0	3234
10/97	0	3041
11/97	0	2859
12/97	0	2687
TOT/97	0	46321
1/98	0	2527
2/98	0	2375
3/98	0	2233
4/98	0	2099
5/98	0	1974
6/98	0	1856
7/98	0	1745
8/98	0	1640
9/98	0	1542
10/98	0	1450
11/98	0	1363
12/98	0	1281
TOT/98	0	22084
TOTAL	0	124935

BERTHA BARBER WELL NO. 15
API NO. 30025325320000
EUMONT FIELD
LEA COUNTY , NM

DATE: 06/03/96
TIME: 13:16:46
PAGE: 2
MOCNM.DBS

P R O D U C T I O N F O R E C A S T

DATE	OIL / COND	GAS
-----	-----	-----
PRIOR	0	124935
1/99	0	1205
2/99	0	1132
3/99	0	1065
4/99	0	1001
5/99	0	941
6/99	0	885
7/99	0	832
8/99	0	782
9/99	0	735
10/99	0	691
11/99	0	650
12/99	0	611
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TOT/99	0	10529
1/00	0	574
2/00	0	540
3/00	0	508
4/00	0	477
5/00	0	449
6/00	0	422
7/00	0	397
8/00	0	373
9/00	0	350
10/00	0	330
11/00	0	310
12/00	0	291
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TOT/00	0	5020
1/01	0	274
2/01	0	257
3/01	0	242
4/01	0	228
5/01	0	214
6/01	0	201
7/01	0	189
8/01	0	178
9/01	0	167
10/01	0	157
11/01	0	148
12/01	0	139
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TOT/01	0	2393
TOTAL	0	142878

BERTHA BARBER WELL NO. 15
API NO. 30025325320000
EUMONT FIELD
LEA COUNTY , NM

DATE: 06/03/96
TIME: 13:16:47
PAGE: 3
MOCNM.DBS

P R O D U C T I O N F O R E C A S T

DATE	OIL / COND	GAS
-----	-----	-----
PRIOR	0	142878
1/02	0	131
2/02	0	123
3/02	0	115
4/02	0	108
5/02	0	102
6/02	0	96
7/02	0	90
8/02	0	85
9/02	0	80
10/02	0	75
11/02	0	70
12/02	0	66
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TOT/02	0	1141
1/03	0	62
2/03	0	59
3/03	0	55
4/03	0	52
5/03	0	49
6/03	0	46
7/03	0	43
8/03	0	40
9/03	0	38
10/03	0	36
11/03	0	34
12/03	0	32
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TOT/03	0	544
1/04	0	30
2/04	0	28
3/04	0	26
4/04	0	25
5/04	0	23
6/04	0	22
7/04	0	20
8/04	0	19
9/04	0	18
10/04	0	17
11/04	0	16
12/04	0	15
-----	-----	-----
TOT/04	0	259
TOTAL	0	144822

BERTHA BARBER WELL NO. 15
API NO. 30025325320000
EUMONT FIELD
LEA COUNTY , NM

DATE: 06/03/96
TIME: 13:16:47
PAGE: 4
MOCNM.DBS

P R O D U C T I O N F O R E C A S T

DATE	OIL / COND	GAS
PRIOR	0	144822
1/05	0	14
2/05	0	13
3/05	0	13
4/05	0	12
5/05	0	11
6/05	0	10
7/05	0	10
8/05	0	9
9/05	0	9
10/05	0	8
11/05	0	8
12/05	0	7
TOT/05	0	124
1/06	0	7
2/06	0	6
3/06	0	6
4/06	0	6
5/06	0	5
6/06	0	5
7/06	0	5
8/06	0	4
9/06	0	4
10/06	0	4
11/06	0	4
12/06	0	3
TOT/06	0	59
1/07	0	3
2/07	0	3
3/07	0	3
4/07	0	3
5/07	0	0
6/07	0	0
7/07	0	0
8/07	0	0
9/07	0	0
10/07	0	0
11/07	0	0
12/07	0	0
TOT/07	0	12
TOTAL	0	145017