

District I - (505) 393-6161  
P. O. Box 1930  
Hobbs, NM 88241-1980  
District I - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV

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

H-0018

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 OIL 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: Mark Owen No. 2 API #: 3002507038  
Location of Well: Unit Letter M, 660 Feet from the south line and 660 feet from the west line,  
Section 35, Township 21-S, Range 37-E, NMPM, Lea County
- III. Date Workover Procedures Commenced: February 8, 1996  
Date Workover Procedures were Completed: February 14, 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: Blinbry Oil & Gas and Drinkard  
Commingled
- VII. AFFIDAVIT:  
State of Texas )  
 ) ss.  
County of Midland )

R. 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.
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)

SUBSCRIBED AND SWORN TO before me this 5<sup>th</sup> day of March, 1996

Lue Fickley

Notary Public

My Commission expires: 8-5-96

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 3-26, 1996

3-3-

J. Campbell

District Supervisor, District 1  
Oil Conservation Division

DISTRICT 1 SUPERVISOR

Date: 3-26-96

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: \_\_\_\_\_

1000  
Received  
Hobbs  
OCD

MARK OWEN NO. 2  
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:	April 1994
End of history match:	January 1996
Projection method:	Auto fit using exponential decline
Economic limit:	100 MCFPD
Bad data removed:	None

Oil:

Start of history match:	April 1994
End of history match:	January 1996
Projection method:	Auto fit using exponential decline
Economic limit:	Forced to match gas
Bad data removed:	None

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MARK OWEN NO. 2  
DESCRIPTION OF WORKOVER PROCEDURE  
(2/8/96 - 2/14/96)

Purpose: Add perfs, acidize and install artificial lift to Blinebry formation.

1. Set 1.81" F plug 6190', attempted to release on/off tool without success. RIH and chemical cut tubing at 6181'.
2. POOH with 2-3/8" tubing.
3. Perforated Blinebry from 5762'-5700'.
4. RIH with RBP and packer on 2-3/8" tubing, unable to set due to paraffin. POOH. RIH with 2-3/8" tubing.
5. Treated perfs with 6200 gallons of 15% acid using 150 balls as diverter. Swabbed on well.
6. POOH, RIH with production tubing, SN and TAC. RIH with pump and rods.
7. Set pumping unit at well and began pumping well.

ARK OWEN WELL NO. 2  
API NO. 30025070380000  
FIELD: BLINEBRY OIL & GAS and DRINKARD  
LEA COUNTY , NM

DATE: 03/05/96  
TIME: 12:52:43  
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	105	352898
1/99	1	6684
2/99	1	6498
3/99	1	6316
4/99	1	6140
5/99	1	5969
6/99	1	5802
7/99	1	5641
8/99	0	5483
9/99	0	5330
10/99	0	5182
11/99	0	5037
12/99	0	4896
TOT/99	7	68978
1/00	0	4760
2/00	0	4627
3/00	0	4498
4/00	0	4373
5/00	0	4251
6/00	0	4132
7/00	0	4017
8/00	0	3905
9/00	0	3796
10/00	0	3690
11/00	0	3587
12/00	0	3487
TOT/00	3	49121
1/01	0	3390
2/01	0	3295
3/01	0	3203
4/01	0	3114
5/01	0	3027
6/01	0	0
7/01	0	0
8/01	0	0
9/01	0	0
10/01	0	0
11/01	0	0
12/01	0	0
TOT/01	0	16028
TOTAL	115	487025

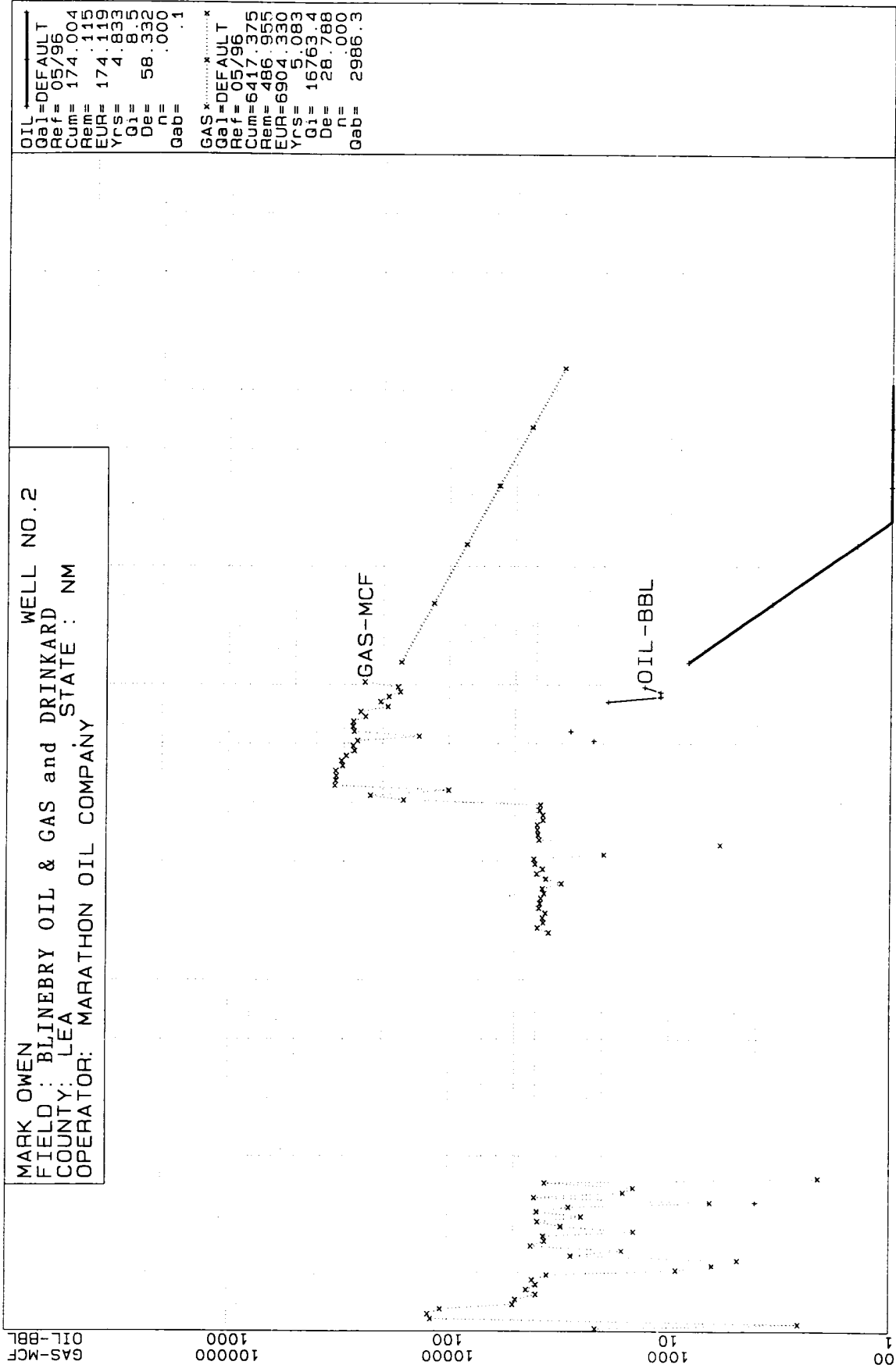
ARK OWEN WELL NO. 2  
 API NO. 30025070380000  
 FIELD: BLINEBRY OIL & GAS and DRINKARD  
 LEA COUNTY , NM

DATE: 03/05/96  
 TIME: 12:52:42  
 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
3/96	0	0
4/96	0	0
5/96	8	16528
6/96	8	16067
7/96	7	15619
8/96	7	15183
9/96	6	14760
10/96	6	14348
11/96	5	13948
12/96	5	13559
YTD/96	52	120013
1/97	5	13181
2/97	4	12813
3/97	4	12455
4/97	4	12108
5/97	3	11770
6/97	3	11442
7/97	3	11123
8/97	3	10812
9/97	3	10511
10/97	2	10218
11/97	2	9933
12/97	2	9656
TOT/97	38	136021
1/98	2	9386
2/98	2	9124
3/98	2	8870
4/98	2	8622
5/98	1	8382
6/98	1	8148
7/98	1	7921
8/98	1	7700
9/98	1	7485
10/98	1	7276
11/98	1	7073
12/98	1	6876
TOT/98	16	96863
TOTAL	105	352898

MARK OWEN  
 FIELD: BLINEBRY OIL & GAS and DRINKARD  
 COUNTY: LEA  
 OPERATOR: MARATHON OIL COMPANY  
 STATE: NM  
 WELL NO.2



DATE

OIL-DEFAULT  
 Gal= 05/96  
 Cum= 174.004  
 Rem= .115  
 EUR= 174.119  
 Yrs= 4.833  
 Qi= 8.5  
 De= 58.332  
 n= .000  
 Gab= .1

GAS-DEFAULT  
 Gal= 05/96  
 Cum= 6417.375  
 Rem= 486.955  
 EUR= 6904.330  
 Yrs= 5.083  
 Qi= 16763.4  
 De= 28.788  
 n= .000  
 Gab= 2986.3