

H-0307

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: R. E. Pollard Phone #: (915) 687-8326
- II. Name of Well: Mark Owen No. 9 API #: 3002529468
 Location of Well: Unit Letter L, 660 Feet from the W line and 1830 feet from the S line,
 Section 35, Township 21-S, Range 37-E, NMPM, Lea County
- III. Date Workover Procedures Commenced: April 7, 1996
 Date Workover Procedures were Completed: January 21, 1997
- 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: Abo
- 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.
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.

R. E. Pollard
 (Name) R. E. Pollard

Senior Government Compliance Representative
 (Title)

5/8/97

m.f.

SUBSCRIBED AND SWORN TO before me this 6th day of May 1997.

Lee Ferley
Notary Public

My Commission expires: 8-5-2000

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 1-21-97, 1997.

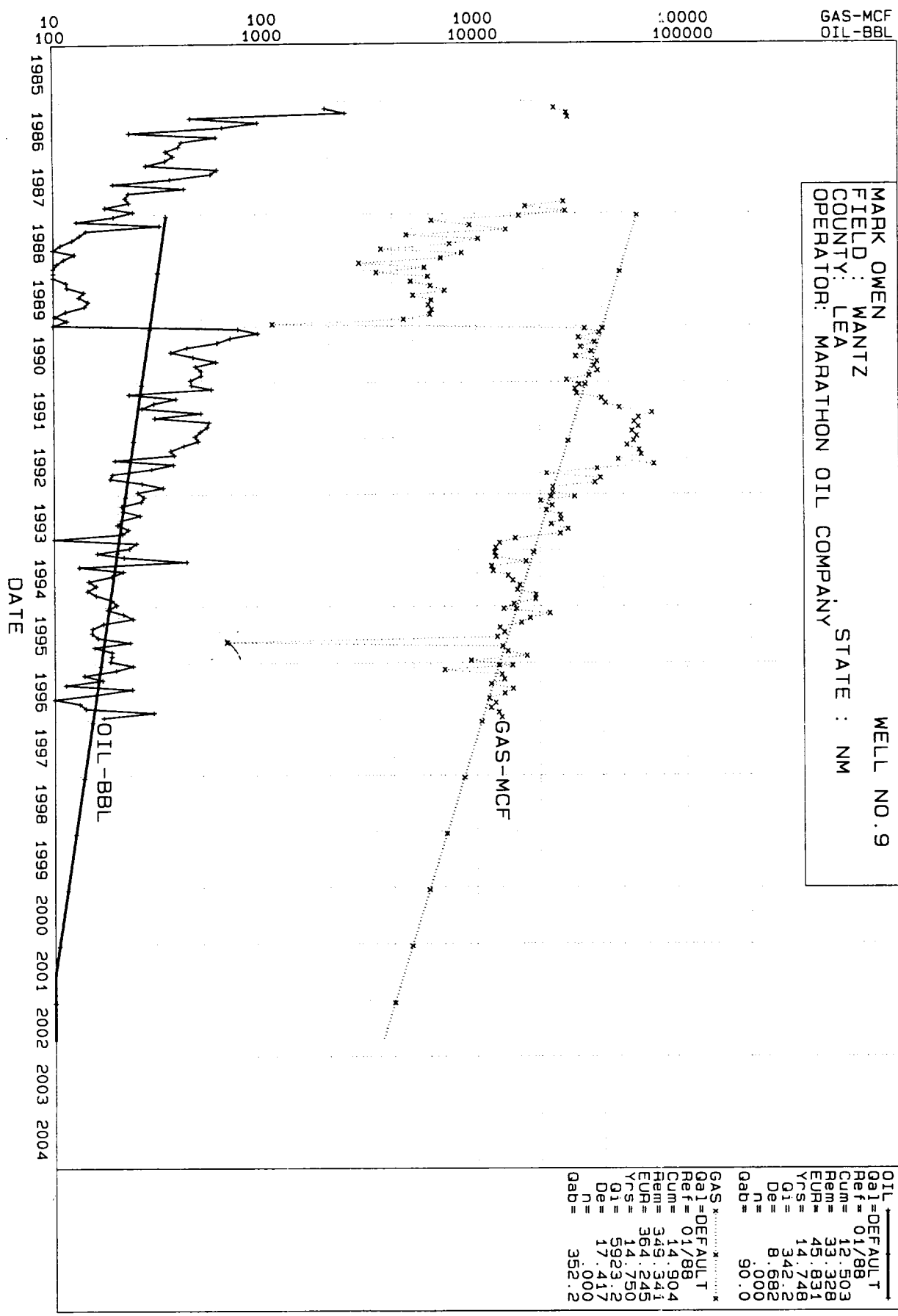
Paul G. Hardy
District Supervisor, District 1
Oil Conservation Division

Date: 5/21/97

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

MARK OWEN NO. 9
DESCRIPTION OF WORKOVER PROCEDURE
(4/7/96 - 1/21/97)

1. Nipple down wellhead, nipped up BOP.
2. POOH with rods and tubing.
3. PU RBP and set at 6000'.
4. RU Halliburton and spotted 225 gallons 15% NEFE acid over perfs.
5. RU wireline unit, selectively perforated Lower Blinbry from 5740'-5861'.
6. PU treating packer and set same at 5650'.
7. Acidized perfs with 3000 gallons 15% NEFE acid, dropped 100 ball sealers.
8. RU and swabbed on well.
9. RU Halliburton and frac well with 62,000 gallons of 20# gel with 158,000# of sand.
10. Pulled frac string and run 2-3/8" production tubing.
11. RU and swabbed on well.
12. Pulled tubing and RU wireline, selectively perforated well 5458'-5706'.
13. Run packer and 2-3/8" tubing to 5613'. Acidized with 2000 gallons 15%.
14. Swabbed on well.
15. Released packer and retrieved RBP at 5725' and reset at 5400'.
16. Laid down 3-1/2" workstring and ran 2-3/8" and overshot. Fished and recovered RBP.
17. Ran production tubing, rods, and pump. Hung well on pump.



OIL	Qa1=DEFAULT
Ref=	01/88
Cum=	12.503
Rem=	33.328
EUR=	45.831
Yrs=	14.748
Q1=	342.2
De=	8.682
N=	.000
Gab=	90.0
GAS	*.....*
Qa1=DEFAULT	
Ref=	01/88
Cum=	14.904
Rem=	343.341
EUR=	364.245
Yrs=	14.750
Q1=	5923.2
De=	17.417
N=	.000
Gab=	352.2

MARK OWEN WELL NO. 9
API NO. 30025294680000
WANTZ FIELD
LEA COUNTY , NM

DATE: 05/02/97
TIME: 13:52:01
PAGE: 1
MOCSE.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
2/97	149	1033
3/97	148	1017
4/97	147	1001
5/97	146	985
6/97	145	969
7/97	144	954
8/97	143	939
9/97	142	924
10/97	141	909
11/97	140	895
12/97	139	881
TOT/97	1583	10508
1/98	138	867
2/98	136	853
3/98	135	840
4/98	134	826
5/98	133	813
6/98	132	801
7/98	131	788
8/98	130	775
9/98	129	763
10/98	128	751
11/98	127	739
12/98	127	727
TOT/98	1583	9544
1/99	126	716
2/99	125	705
3/99	124	693
4/99	123	683
5/99	122	672
6/99	121	661
7/99	120	651
8/99	119	640
9/99	118	630
10/99	117	620
11/99	116	610
12/99	116	601
TOT/99	1446	7882
TOTAL	4613	27934

MARK OWEN WELL NO. 9
API NO. 30025294680000
WANTZ FIELD
LEA COUNTY , NM

DATE: 05/02/97
TIME: 13:52:05
PAGE: 2
MOCSE.DBS

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

DATE	OIL / COND	GAS
PRIOR	4613	27934
1/00	115	591
2/00	114	582
3/00	113	573
4/00	112	564
5/00	111	555
6/00	110	546
7/00	110	537
8/00	109	529
9/00	108	520
10/00	107	512
11/00	106	504
12/00	106	496
TOT/00	1320	6509
1/01	105	488
2/01	104	481
3/01	103	473
4/01	102	465
5/01	102	458
6/01	101	451
7/01	100	444
8/01	99	437
9/01	99	430
10/01	98	423
11/01	97	416
12/01	96	410
TOT/01	1206	5376
1/02	96	403
2/02	95	397
3/02	94	391
4/02	93	384
5/02	93	378
6/02	92	372
7/02	91	366
8/02	91	361
9/02	90	355
10/02	0	0
11/02	0	0
12/02	0	0
TOT/02	835	3408
TOTAL	7974	43227

MARK OWEN NO. 9
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:	October 1992
End of history match:	December 1996
Projection method:	Auto fit using exponential decline
Bad data removed:	August 1995

Oil:

Start of history match:	October 1992
End of history match:	December 1996
Projection method:	Auto fit using exponential decline
Bad data removed:	August 1995

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