

District I - (505) 393-6161

PO Box 1980

Hobbs, NM 88241-1980

District II - (505) 748-1283

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 Origin
Plus 2 Copies
to appropriate
District Office

H 0404

**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, TX 79702
Contact Party: R. E. Pollard Phone #: (915) 687-8210
- II. Name of Well: W. S. Marshall B No. 9 API #: 30-025-06826
Location of Well: Unit Letter K, 2,310 feet from the South line and 1,650 feet from the West line,
Section 27, Township 21-S, Range 37-E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 10/27/97
Date Workover Procedures were Completed: 11/11/97
- 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: Blinebry and Abo

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.
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
Richard E. Pollard

Senior Government Compliance Representative
(Title)

JAN 29 1998

SUBSCRIBED AND SWORN TO before me this 19th day of Jan, 19 98.

Luc Kierling
Notary Public

My Commission expires: 8-5-2000

FOR OIL CONSERVATION DIVISION USE ONLY:

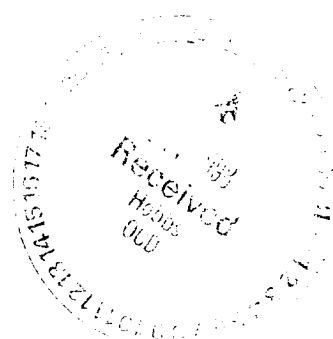
VIII. CERTIFICATION OF APPROVAL:

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 11-11, 19 97.

Paul J. Kautz
District Supervisor, District 4
Oil Conservation Division

Date: 1/27/98

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



W. S. MARSHALL B NO. 9
BASIS OF PRODUCTION PROJECTION

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

Oil:

Start of history match: 9/95

End of history match: 10/97

Projection method: Exponential Decline - Auto Fit

Bad data removed: None

Gas:

Start of history match: 9/95

End of history match: 10/97

Projection method: Exponential Decline - Auto Fit

Bad data removed: 7/97

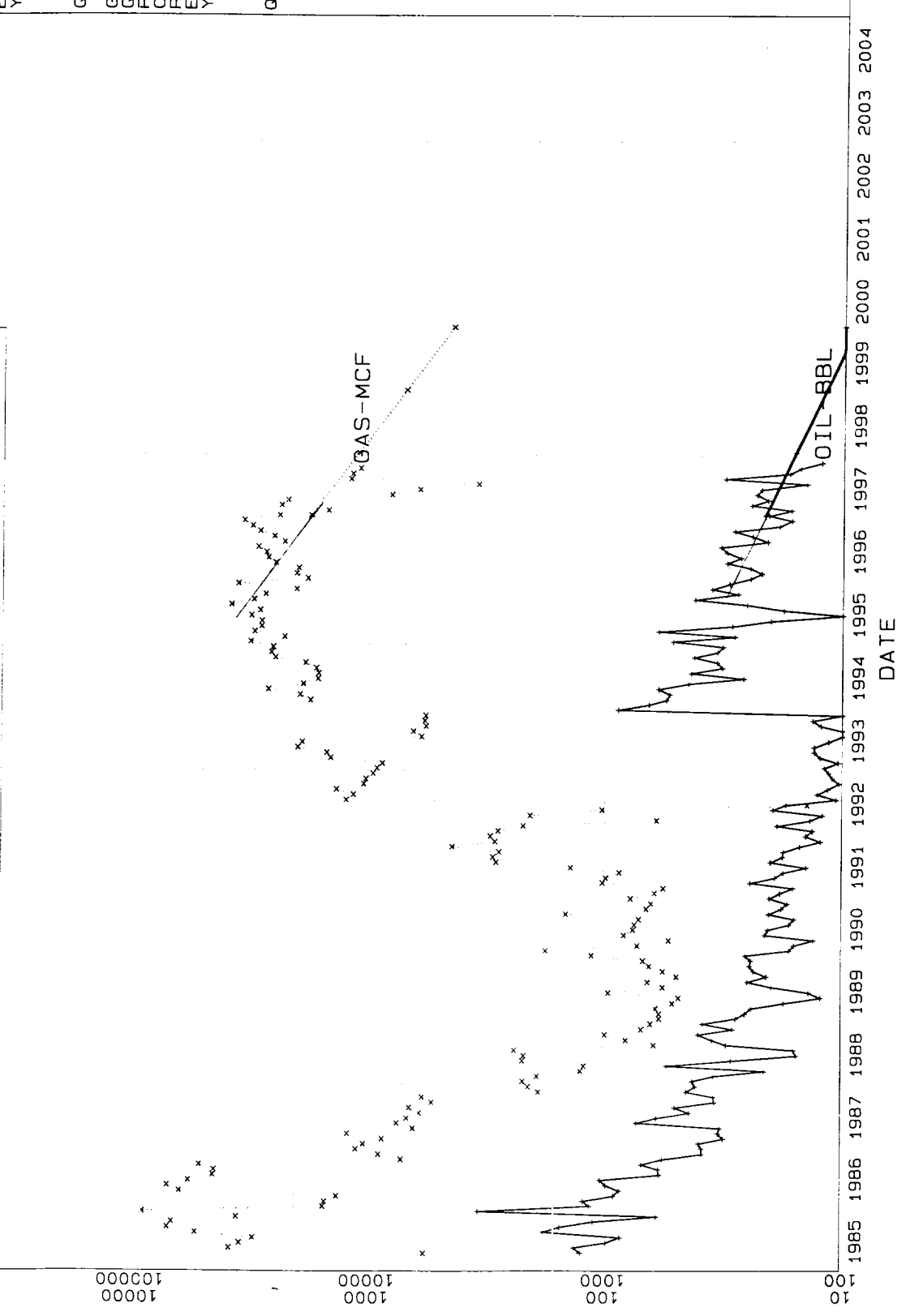
GAS-MCF
OIL-BBL

W S MARSHALL B
FIELD : LEA
COUNTY : LEA
STATE : NM
OPERATOR: MARATHON OIL COMPANY

WELL NO. 9

OIL-DEFAULT
Gal= 98.956
Ref= 01/97
Cum= 5.187
Rem= 104.143
Yrs= 3.083
Q1= 216.1
De= 25.322
n= 000
Gab= 89.9

GAS-DEFAULT
Gal= 295.752
Ref= 01/97
Cum= 331.364
Yrs= 3.083
Q1= 1805.5
De= 36.967
n= 000
Gab= 435.9



W S MARSHALL B WELL NO. 9
 API NO.
 FIELD
 LEA COUNTY , NM

DATE: 12/29/97
 TIME: 14:47:16
 PAGE: 1
 POLLARD.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
12/97	163	1160
YTD/97	163	1160
1/98	159	1116
2/98	156	1074
3/98	152	1034
4/98	148	995
5/98	145	957
6/98	141	921
7/98	138	886
8/98	134	853
9/98	131	821
10/98	128	790
11/98	125	760
12/98	122	731
TOT/98	1680	10939
1/99	119	704
2/99	116	677
3/99	113	652
4/99	111	627
5/99	108	603
6/99	105	581
7/99	103	559
8/99	100	538
9/99	98	517
10/99	96	498
11/99	93	479
12/99	91	461
TOT/99	1254	6895
TOTAL	3097	18994

W S MARSHALL B WELL NO. 9
API NO.
FIELD
LEA COUNTY , NM

DATE: 12/29/97
TIME: 14:47:19
PAGE: 2
POLLARD.DBS

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

DATE	OIL / COND	GAS
PRIOR	3097	18994
1/00	89	444
2/00	0	0
3/00	0	0
4/00	0	0
5/00	0	0
6/00	0	0
7/00	0	0
8/00	0	0
9/00	0	0
10/00	0	0
11/00	0	0
12/00	0	0
TOT/00	89	444
1/01	0	0
2/01	0	0
3/01	0	0
4/01	0	0
5/01	0	0
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	0
TOTAL	3186	19438

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-06826
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name W.S. Marshall B
8. Well No. 9
9. Pool name or Wildcat Blinbry / Wantz Abo

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
2. Name of Operator Marathon Oil Company	
3. Address of Operator PO Box 2409 Hobbs, NM 88240	
4. Well Location Unit Letter <u>K</u> : <u>2310</u> Feet From The <u>South</u> Line and <u>1650</u> Feet From The <u>West</u> Line Section <u>27</u> Township <u>21-S</u> Range <u>37-E</u> NMPM Lea County	
10. Elevation (Show whether DP, RKB, RT, GR, etc.) GL 3412 KB 3425	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Add Additional Blinbry Perfs/Stim. <input checked="" type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Marathon Oil Company has completed the work on the above referenced well.
Please see attachment for summary of work performed.

RECEIVED

DEC 22 1997

NORTHWEST OPERATIONS

I hereby certify that the information furnished is true and correct to the best of my knowledge and belief.

SIGNATURE Kelly Cook TITLE Records Processor DATE 12/15/97

TYPE OR PRINT NAME Kelly Cook TELEPHONE NO. 393-7106

(This space for State Use)

ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE DEC 17 1997

CONDITIONS OF APPROVAL, IF ANY:

Marathon Oil Company
W.S. Marshall B Well No. 9
C-103 Subsequent Report Attachment
December 12, 1997

10/25/97 MIRU pulling unit. POOH w/pump & rods. Rel Tac and NU BOP. POOH w/tbg. Test BOP. OK.

RIH w/bit & scrapper to 7122'. POOH w/both. RIH w/pkr and RBP. Set RBP at 6206', and pkr at 6200'. Test RBP to 2500 psi. POOH w/pkr.

RIH w/RBP and set at 6195'. RIH & perforate Blinbry formation 5484-5832'. 2 JSPF, 120 degree phasing; 340 hole. RIH w/pkr and RBP overshot. Set pkr at 5640'.

Acidize lower Blinbry from 5643-5832' w/4000 gals 15% acid. Rel pkr. RIH & move RBP from 6195' to 5640'. PUH and set pkr at 5402'. Acidize upper Blinbry 5484-5640' w/4500 gals 15% acid. Rel pkr at 5402'. RIH and move RBP from 5640 to 6195'. PUH and set pkr at 5402'.

Swab well. Rel pkr at 5402'. POOH. RIH w/RBP and pkr. Set RBP at 5636', pkr at 5621'. Test RBP, move pkr to 5402'. Swab well. Rel pkr & PUH. RIH w/pkr & set at 5410'. Hydro test tbg to 8100 psi.

Frac well from 5484-5614' w/Delta frac w/1958 bbls gel w/1# thru 6# sand per gal. Tagged fluid w/SC-46& IR-192. Rel pkr and POOH.

RIH w/prod pkr and set at 5430'. Swab well. RIH & tag sand at 5472'. Load annulus. Rel pkr and POOH. RIH w/retrieving tool f/RBP/. Clean out sand. Ret RBP at 5636'. Clean out sand to RBP at 6195'. Rel RBP at 6195' & PUH to 2000'.

Log well from 5100-6226'. RIH w/RBP to 5202'. Swab tested perfs 5125-5165. No recovery. TOOH w/RBP.

RIH w/ 2 3/8" production tbg. ND BOP. NU willhead. RIH w/pump & rods. RD pulling unit.

REG/C-103/MarshB9.sub

RECEIVED

DEC 22 1997

NORTHWEST OPERATIONS