

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 Original
Plus 2 Copies
to appropriate
District Office

H-0546 C-4-98

**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: PO Box 552

Contact Party: Richard E. Pollard Phone #: (915) 687-8210

II. Name of Well: Bertha Barber No. 8 API #: 3002505913

Location of Well: Unit Letter E, 1980 Feet from the N line and 660 feet from the W line,
Section 5, Township 20-S, Range 37-E, NMPM, Lea County

III. Date Workover Procedures Commenced: 6/30/98
Date Workover Procedures were Completed: 7/15/98

IV. Attach a description of the Workover Procedures undertaken to increase the projection 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: Eumont, Yates, Seven Rivers Queens

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)

mp

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

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

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

WELL API NO. 30-025-05913
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 Bertha Barber
8. Well No. 8
9. Pool name or Wildcat Eumont; Yates, Seven Rivers

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 checked="" type="checkbox"/> OTHER
2. Name of Operator Marathon Oil Company
3. Address of Operator P.O. Box 2490 Hobbs, NM 88240
4. Well Location Unit Letter E : 1980 Feet From The North Line and 660 Feet From The West Line Section 5 Township 20-S Range 37-E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL 3558' KB 3569'

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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: _____ <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <u>Add Pay, Acidize, and Frac</u> <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.

6/30 MIRU PU. POOH w/pump & rods. ND wellhead. NU BOPE. POOH w/2 3/8" tbg. RIH w/scraper to 3210'. POOH. 7/1 RIH, set CIBP at 3070'. Spot w/20' cmt. RIH w/pkr to 975'. Test, OK. POOH. RIH w/tbg to 3045'. Pickle w/500 gals 15% acid. Run logs.
 7/4 Perf 2430-44', 2462-70, 2484-2502', 2512-18', 2526-34', 2576-86', 2620-30', 2648-60', 2680-90', 2714-24', 2730-34', 2746-60' w/2 SPF. RIH w/RBP & pkr.
 7/8 Acidize 2430-2760' w/5000 gals 7 1/2" acid w/350 BS. POOH w/pkr & RBP. RIH w/pkr, set at 2357'.Swab.
 7/9 Frac w/98,000 gals 70% CO2 foam w/246,000# 16/30 sand. Flow well.
 7/11 Run after frac gamma ray log w/gradient.
 7/12 Rel pkr at 2356'. RIH, set 2 3/4" CIBP in 3 1/2" tbg at 2316'. RIH, set pkr at 2357'.
 7/14 Blanking plug wouldn't seal off. POOH w/pkr. RIH w/pkr, set at 2362'. RIH w/2 3/8" prod tbg.
 7/15 ND BOP. NU wellhead. Pulled blanking plug. RD PU.

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

SIGNATURE Kelly Cook TITLE Records Processor DATE 7/17/98
 TYPE OR PRINT NAME Kelly Cook TELEPHONE NO. 393-7106

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

Well: E. RTHA BARBER-NO. 6

Well Time Graph Report

Date	Monthly Gas1	Monthly Gas1 FC 1
	MMSCF	MMSCF
1997 01	4.14	4.38
1997 02	3.59	3.53
1997 03	3.74	3.50
1997 04	2.87	3.01
1997 05	2.97	2.77
1997 06	2.88	2.39
1997 07	2.15	2.20
1997 08	2.74	1.95
1997 09	1.37	1.68
1997 10	0.67	1.55
1997 11	0.27	1.33
1997 12	0.35	1.22
1998 01	0.64	1.09
1998 02	0.72	0.88
1998 03	0.78	0.87
1998 04	0.78	0.75
1998 05	0.44	0.69
1998 06	0.04	0.59
1998 07	16.89	0.55
1998 08	16.78	0.48
1998 09	12.97	0.42
1998 10	11.87	0.38
1998 11	9.82	0.33
1998 12	9.19	0.30
1999 01	8.91	0.27
1999 02	6.73	0.22
1999 03	7.39	0.22
1999 04	---	0.19
1999 05	---	0.17
1999 06	---	0.15
1999 07	---	0.14
1999 08	---	0.12
1999 09	---	0.10
1999 10	---	0.10
1999 11	---	0.08
1999 12	---	0.08
2000 01	---	0.07
2000 02	---	0.06
2000 03	---	0.05
2000 04	---	0.05
2000 05	---	0.04
2000 06	---	0.04
2000 07	---	0.03
2000 08	---	0.03
2000 09	---	---
2000 10	---	---
2000 11	---	---
2000 12	---	---
2001 01	---	---
2001 02	---	---
2001 03	---	---
2001 04	---	---
2001 05	---	---
2001 06	---	---
2001 07	---	---
2001 08	---	---
2001 09	---	---
2001 10	---	---