

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 88241-1980

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

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-025-05911
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 033250
7. Lease Name or Unit Agreement Name Bertha Barber
8. Well No. 6
9. Pool name or Wildcat Eumont: Yates, 7 Rivers, Queen
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL 3559' KB 3570'

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator Marathon Oil Company	3. Address of Operator P.O. Box 2490 Hobbs, NM 88241
4. Well Location Unit Letter L : 1980 Feet From The South 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 3559' KB 3570'	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

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 plans on P&A this well. The well has no recompletion potential. Procedure to P&A the well is attached.

THE COMMISSION MUST BE NOTIFIED 24
HOURS PRIOR TO THE BEGINNING OF
PLUGGING OPERATIONS FOR THE C-101
TO BE APPROVED.

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

SIGNATURE Thomas P. Kacir TITLE Production Engineer DATE 2/3/99

TYPE OR PRINT NAME Thomas P. Kacir TELEPHONE NO. 393-7106

(This space for State Use)

APPROVED BY GARY WINK TITLE FIELD REPRESENTATIVE DATE 2/3/99
CONDITIONS OF APPROVAL, IF ANY:

BERTHA BARBER NO. 6
UL 'L', 1980' FSL and 660' FWL
Section 5, T-20-S, R-37-E
Lea County, New Mexico

PLUG & ABANDON PROCEDURE

1. Inspect location. Test safety anchors and replace as needed.
2. MIRU PU. Disconnect surface equipment.
3. ND wellhead and install manual BOP equipment.
4. POOH with 2 3/8" tubing.
5. RU wireline company. RIH with 7" retainer and set at 2100' (just above top of fish at 2128'). RD wireline company.
6. TIH with 2-3/8" tubing and sting into retainer. Cement squeeze with sufficient cement to cover Eumont (minimum of 300 sks).
7. Sting out of retainer. Spot 35' of cement on top of retainer.
8. Displace wellbore with 9.5 lb/gal mud from top of cement. POOH.
9. RU wireline company and perforate squeeze holes at 1155'. RIH with 7" retainer and set at 1055' (9-5/8" casing shoe is at 1105'). RD wireline company.
10. TIH with 2-3/8" tubing and sting into retainer. Cement squeeze with sufficient cement to place 100' behind pipe with 100% excess and 100' inside casing with 50% excess. POOH.
11. RU wireline company and perforate at 191' (casing shoe at 141'). RD wireline company.
12. ND BOPs'. Pump in casing at surface to establish circulation between 9-5/8" and 7" casing. Pump cement down 7" to circulate to surface leaving cement inside 7" casing.
13. Cut off casing to allow farming or set dry hole marker as required. RDMOPU.
14. Remove surface equipment. Remediate location as required.

Bertha Barber No. 6
UL 'L', 1980' FSL, 660' FWL
Section 5, T-20-S, R-37-E
Lea County, NM
API # 30-025-05911

Brief History:

DEC 1936: Drilled to 3890'.
Completed OH from 3817' to TD.
Acidized w/ 2000 gals.

MAY 1939: Acidized OH
w/ 2000 gals.

JUL 1954: Installed rods, pump
and pumping unit.

JAN 1965: Acidized OH
w/ 250 gals.

DEC 1975: Shut well in.

NOV 1983: Set CIBP at 3816'.
Selectively perforated from
3730' - 3808' w/ 2 JSPF (34 holes).
Acidized w/ 1600 gals 15% HCl.
Tested 100% water.

Set cmt retainer at 3715'.
Cmt sqz'd w/ 150 sks.
Selectively perforated from
3606' - 3674' w/ 2 JSPF (18 holes).
Acidized w/ 1500 gals 15% HCl.
Tested 99% water.

Set CIBP at 3598'.
Selectively perforated from
3504' - 3574' w/ 1 JSPF (12 holes).
Acidized w/ 1200 gals 15% HCl.
Tested 100% water.
Shut well in.

DEC 1988: Set CIBP at 3460' and
dump 2 sk of cmt on top of plug.
Selectively perforated from
3133' - 3349' w/ 1 JSPF (53 holes).
Acidized w/ 6000 gals 15% HCl.
Tested 168 MCF/D & 46 BWP/D.
Set CIBP at 3228'.
Did not regain gas production.

DEC 1992: Drill out CIBP at 3228'.
Swab tested.
Acidized w/ 1000 gals 15% HCl.
Swab tested. Shut well in.

FEB 1993: Swab Test well.
Ran pump & rods.

OCT 1993: Shut well in.

APR 1998: Tubing parted
while POOH, LD 16 jts.
Fished for 5 days
recovered 29 jts.
Left 57 jts in hole with
top of fish at 2128'.

KB: 3570'
GL: 3559'

PBTD: 3429' CIBP w/ cmt
TD: 3890'

Open-Hole:
3890' - 3817' Below CIBP
3816' CIBP w/ cmt

Perforations:
Grayburg / San Andres
3730' - 3808' Cmt'd below Retainer
3715' Cmt Retainer
3606' - 3674' Below CIBP
3598' CIBP w/ cmt
3504' - 3574' Below CIBP
3460' CIBP w/ cmt

Eumont
1 JSPF (51 holes)
3133' - 3349'

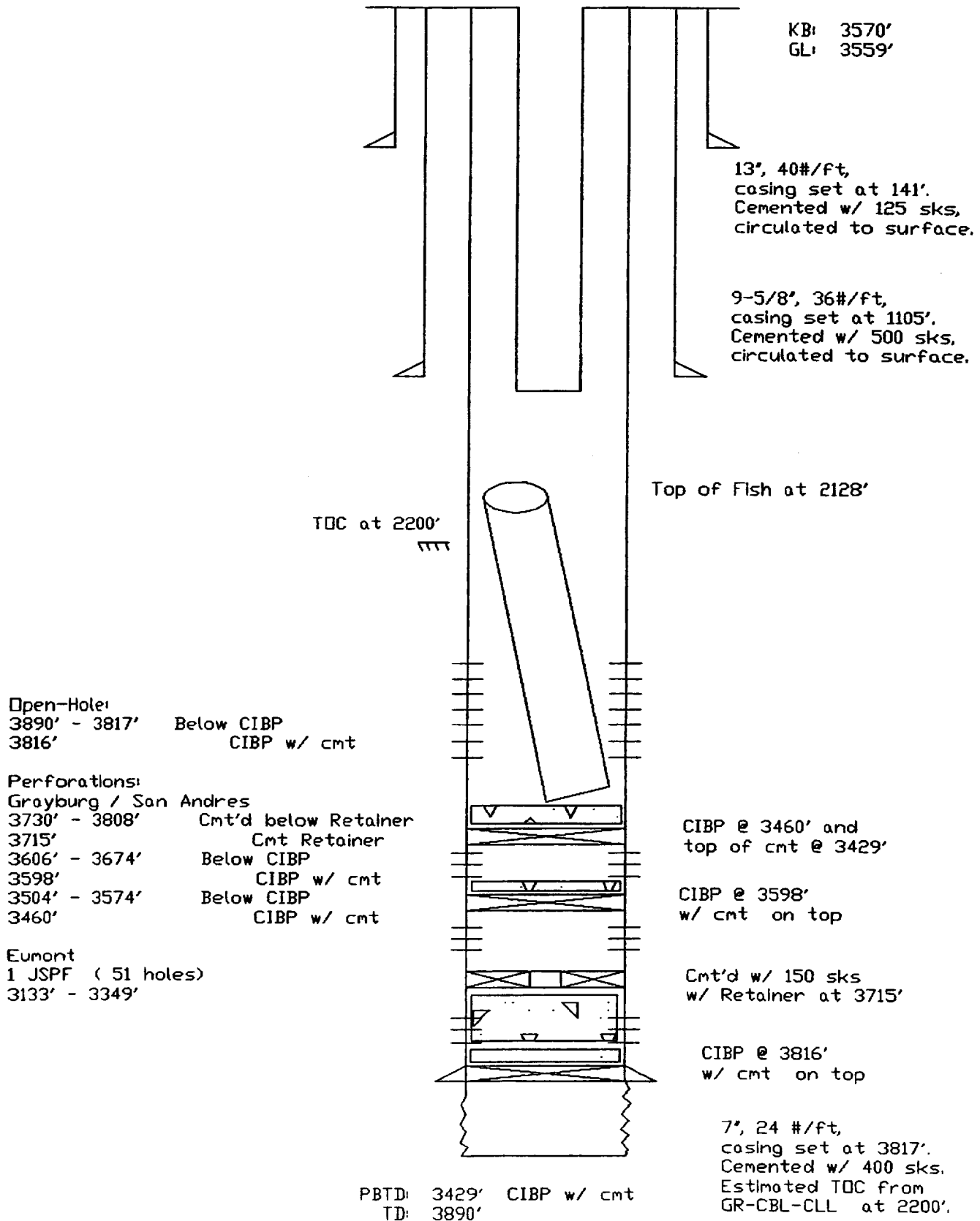
13", 40#/ft,
casing set at 141'.
Cemented w/ 125 sks,
circulated to surface.

9-5/8", 36#/ft,
casing set at 1105'.
Cemented w/ 500 sks,
circulated to surface.

7", 24 #/ft,
casing set at 3817'.
Cemented w/ 400 sks.
Estimated TOC from
GR-CBL-CLL at 2200'.

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CURRENT WELLBORE DIAGRAM



Bertha Barber No. 6
 UL 'L', 1980' FSL, 660' FWL
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PROPOSED WELLBORE DIAGRAM

