

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 S. 1st Street, Artesia, NM 88210-2834
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 PO Box 2088, Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|--|----------------------------|---------------------------|
| ¹ Operator name and Address | | ² OGRID Number |
| Marathon Oil Company P.O. Box 2409 Hobbs, NM 88240 | | 014021 |
| | | ³ API Number |
| | | 30-0 25-10252 |
| ⁴ Property Code | ⁵ Property Name | ⁶ Well Number |
| 6377 | Edith Butler "B" | 1 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot. Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|
| I | 13 | 22-S | 37-E | | 1980 | South | 660 | East | Lea |

⁸ Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot. Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

⁹ Proposed Pool 1

Blinebry Oil & Gas

¹⁰ Proposed Pool 2

| | | | | |
|------------------------------|------------------------------|----------------------------|-------------------------------|--------------------------------------|
| ¹¹ Work Type Code | ¹² Well Type Code | ¹³ Cable/Rotary | ¹⁴ Lease Type Code | ¹⁵ Ground Level Elevation |
| A | 86 | NA | P | 3326' |
| ¹⁶ Multiple | ¹⁷ Proposed Depth | ¹⁸ Formations | ¹⁹ Contractor | ²⁰ Spud Date |
| No | 6950' | Blinebry Drinkard | NA | 1/22/96 |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|--------------|-------------|--------------------|---------------|-----------------|---------------|
| See Original | C-105 | | | | |
| | | | | | |
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²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

Marathon Oil Company is proposing to recomple to the Blinebry formation in this well. Attached is a procedure detailing the proposed work.

Permit Expires 6 Months From Approval
 Date Unless Drilling Underway

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Rick Gaddis

Printed name: Rick Gaddis

Title: Advanced Production Engineer

Date: 1/08/95

Phone: (505) 393-7106 ext

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: JAN 10 1996

Expiration Date:

Conditions of Approval:

Attached ☐

Form C-101
Section 22
Edith Butler B Well No. 1

1. MIRU PU. Kill well with 2% KCL water as needed. ND wellhead and NU hydraulic BOPE. POOH with tubing.
2. Utilize packer and RBP to test BOPE to 1500 psi.
3. PU and RIH with 5 ½" RBP and packer. Set RBP at ±5950'. Pull up packer to ±5940' and set. Test 5 ½" casing and RBP to 1000 psi. Unset packer and retrieve RBP, POOH with tools.
4. RU wireline company and lubricator. Perforate Blinebry Formation 2 JSPF at 5765-80', 5784-88', 5792-96', 5808-26' and 5830-40' for a total of 112 holes. RD wireline company.
5. PU and RIH with 5 ½" treating packer, seating nipple to ±5700'. Test tubing to 4500 psi. Set packer at ±5700'.
6. Acidize Blinebry perforations 5765-5840' with 3,000 gals of 15% NEFE acid using ball sealers for divert.
7. Release packer and RIH to 5850' and PUH to 5700' and set. RU swab and recover acid load. Release packer and POOH with tubing and packer.
8. RU wireline company and lubricator. Perforate Blinebry Formation with 2 JSPF at 5482-92', 5496-5504', 5518-22', 5560-65', 5578-82', 5584-88', 5592-94', 5598-5608', 5610-32', 5648-54', 5662-88', 5700-08' and 5712-18' for a total of 256 holes. RD wireline company.
9. PU and RIH with 5 ½" RBP and treating packer. Set RBP at ±5750' and packer at 5740'. Test casing and RBP to 1000 psi. Release packer and PUH to ±5430' and set.
10. Acidize Blinebry perforations 5482-5718' with 6400 gals of 15% NEFE acid using ball sealers for divert.
11. Release packer and RIH to ±5725', PUH to 5430' and set. RU swab and recover acid load. RD swab and release packer and retrieve RBP. POOH with tubing and tools.
12. RU hydrotesters. PU 3 ½" workstring with seating nipple and 5 ½" treating packer and RIH to ±5430' and set.
13. RU stimulation company. Install frac valve and treating lines. Sand fracture Blinebry perforations 5482-5830' with CO₂. Size of fracture treatment will be determined after acidizing.

Form C-101
Section 22
Edith Butler B Well No. 1
Page 2

14. Flow well back to recover load. If well dies, RU slickline company and tag for sand fill.
15. If sand fill covers perfs, RU to remove with bulldog bailer.
16. Release packer and POOH laying down 3 ½" workstring and packer.
17. RIH with mud joint, seating nipple, TAC on 2 3/8" production string. Land seating nipple at ±5800' with TAC at ±5430'.
18. ND BOPE and NU wellhead.
19. RIH with insert pump on 3/4" and 7/8" rod string. Beam well, load and test.
20. RDMO PU. Start well pumping to battery on test.

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State of New Mexico
Geology, Minerals & Natural Resources Department

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

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|--|--|
| ¹ API Number 30-025-10252 | ² Pool Code 72480660 | ³ Pool Name Blinebry Oil & Gas |
| ⁴ Property Code 6377 | ⁵ Property Name Edith Butler "B" | ⁶ Well Number 1 |
| ⁷ OGRID No. 014021 | ⁸ Operator Name Marathon Oil Company | ⁹ Elevation GL: 3326' |

¹⁰ Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|----------|-----------------------|---------------------------|----------------------|------------------------|---------------|
| UL or lot no. I | Section 13 | Township 22-S | Range 37-E | Lot. Idn | Feet from the 1980 | North/South Line South | Feet from the 660 | East/West line East | County Lea |
|--------------------|---------------|------------------|---------------|----------|-----------------------|---------------------------|----------------------|------------------------|---------------|

¹¹ Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot. Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|

| | | | |
|-------------------------------------|------------------------------------|--|-------------------------------|
| ¹² Dedicated Acres 80 | ¹³ Joint or Infill Y | ¹⁴ Consolidation Code NA | ¹⁵ Order No. NA |
|-------------------------------------|------------------------------------|--|-------------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON--STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | | |
|--|---|--|--|
| | ¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Rick Gaddis Printed Name Advanced Production Engineer Title 1/08/96 Date | | |
| | ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. See Original Plat. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number | | |
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