

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Marathon Oil Company

3a. Address
P.O. Box 552 Midland, TX 79702

3b. Phone No. (include area code)
1-800-351-1417

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC. 34, T-26-N, R-5-W
RIO ARriba CO. NEW MEXICO
Unit letter "I"

5. Lease Serial No.

Tract 251-Contract 154

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or N

8. Well Name and No.

JICARILLA APACHE 16

9. API Well No.

30-039-20529

10. Field and Pool, or Exploratory Area

Blanco Mesa Verde
Chacra

11. County or Parish, State

RIO ARriba N.M.

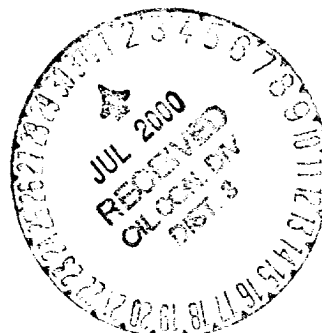
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Marathon proposes to perforate the Menefee and the Chacra as well as stimulate the same as per attached workover procedure.

the Menefee and Chacra PERFS WILL BE COMINGLED WITH THE MESA VERDE (POINT LOCKOUT), GRANEROS/UPPER AND LOWER DAKOTA.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jerry Fletcher

Title

ENGINEER TECH

Date 7-05-00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Patricia M. Hester

Title Lands and Mineral Resources

Date JUL 24 2000

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 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 30-039-20529	² Pool Code 72319	³ Pool Name BLANCO MESA VERDE
⁴ Property Code 6414	⁵ Property Name JICARILLA APACHE	⁶ Well Number 16
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	⁹ Elevation (KB) 6616'

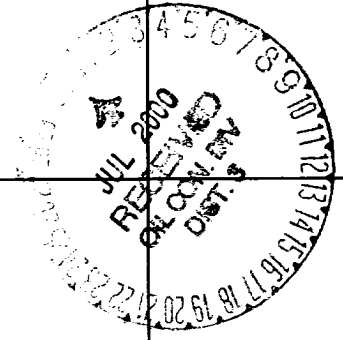
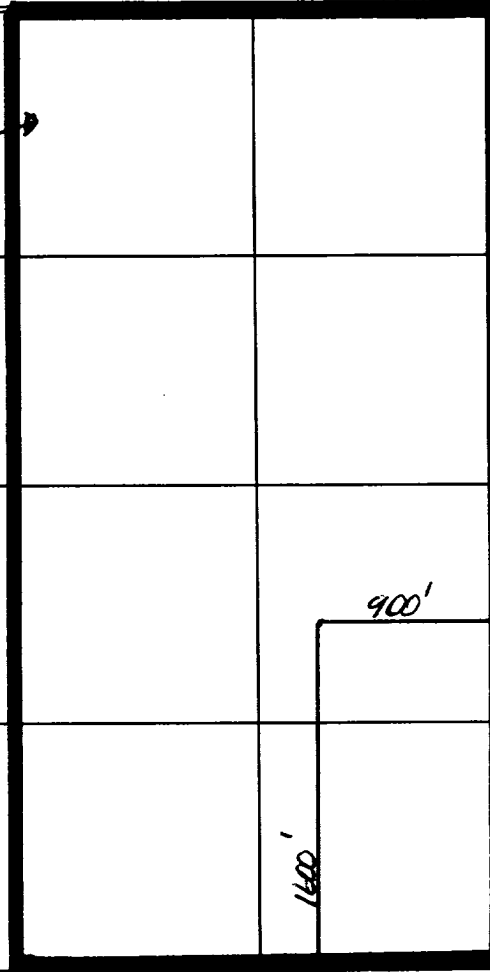

¹⁰ Surface Location

UL or lot no. "I"	Section 34	Township T-26-N	Range R-5-W	Lot. Idn	Feet from the 1600'	North/South Line SOUTH	Feet from the 900'	East/West line EAST	County RIO ARriba
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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 320 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

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

	320 Dedicated Acres		¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
			Signature 
			Printed Name JERRY FLETCHER
			Title ENGINEER TECH
			Date 6-20-00
			¹⁸ SURVEYOR CERTIFICATION <i>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.</i>
			N/A
			Date of Survey
			Signature and Seal of Professional Surveyer:
			Certificate Number

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 G. 1st Street, Artesia, NM 88210-2834

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-20529	² Pool Code 82329	³ Pool Name Otero CHACRA
⁴ Property Code 6414	⁵ Property Name JICARILLA APACHE	⁶ Well Number # 16
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	⁹ Elevation (KB) 6616'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
"A"	34	T-26-N	R-5-W		1600'	SOUTH	900'	EAST	RIO ARriba

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
"I"									

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature JERRY FLETCHER Printed Name ENGINEER TECH Title 6-20-00 Date
		¹⁸ SURVEYOR CERTIFICATION <i>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.</i> N/A Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

WORKOVER PROCEDURE

Jicarilla Apache #16

Jicarilla Field

~~1660'~~ ^{1600'} FSL & 900' FEL of Sec 34, T-26-N, R-5-W
Rio Arriba County, New Mexico

Date: June 9, 2000

Purpose: Add Menefee and Chacra Pay and DHC

GWI: 100% NRI: 87.5%

AFE #: AFE Amount: \$147,900 AFE Days: 12

Elevations: KB: 6616' GL: 6603'

TD: 7406' PBTD: 7365' Spud Date: 7/29/72

Surface Csg: 10-3/4" 32.75# H-40 @ 314' cmt'd w/ 340 sks (circulated)

Intermediate: 7-5/8" 24# H-40 @ 3079' cmt'd w/ 550 sks (circulated)

Production Csg: 4-1/2" 11.6# K-55 @ 7405' cmt'd with 466 sks (TOC @ 2440' by CBL)
[Drift = 3.875" 80% Burst = 4280 psi]

Tubing: 237 jts 2-3/8" J-55 EUE tubing, 1 x 8' pup jt (EOT @ 7334')

Perforations: Mesaverde (Point Lookout): 5178 - 5333' (84 shots)
Graneros/Upper & Lower Dakota: 7134 - 7358' (40 shots)

Anticipated BHP: ±500 psi in the Dakota and the Point Lookout
±1500 psi (estimated original pressure) in the Menefee & Chacra

Comments: 1) Use 2% KCl (no substitutes) in all workover fluids
2) Use 2-7/8" N-80 tubing (Drift = 2.347", 80% Burst = 8456 psi) as frac string

PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500#.
2. MIRU PU. Kill well as necessary. ND wellhead. NU 7-1/16" BOP as per Mid-Continent Region's "Workover and Completion Guidelines". Function test BOP. POOH with 2-3/8" production tubing. Change pipe rams to 2-7/8". Test BOP. (Note: There may be a tight spot in casing patch @ 16' - TIH slowly through this interval.)
3. RU electric line. NU & test lubricator to 1500 psi. RIH & set CIBP @ ±5150'. RIH w/ 3-1/8" casing guns loaded 1 SPF