

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30 2000

5. Lease Serial No.  
Tract 241 Contract 154  
6. If Indian, Allottee or Tribe Name  
N/A

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)  
915-687-8268

7. If Unit or CA Agreement, Name and/or No.  
N/A

8. Well Name and No.  
Jicarilla Apache No. 13

9. API Well No.  
30-039-20006

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1190' FSL & 1190' FWL, Sec 33, T-26N, R-5W, UL 'M'

10. Field and Pool, or Exploratory Area  
S. Blanco PC, Basin Dakota,  
Chacra, Blanco Mesa Verde

11. County or Parish, State  
Rio Arriba NM

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 Oil Company plans to perforate the Chacra and downhole commingle with the South Blanco Pictured Cliffs, Blanco Mesa Verde and the Basin Dakota.

AFMSS

Adjud	Amj
Engr	Bo
Geol	Amj
Surf	Amj
Appv	Amj

ALBUQUERQUE, N.M.

AM 9:46

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

Tim L. Chase

Title

Advanced Engineer Technician

Date 3/8/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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, 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.

## WORKOVER PROCEDURE

### Jicarilla Apache #13

#### Jicarilla Field

1190' FSL & 1190' FWL  
Section 33, T-26-N, R-5-W  
Rio Arriba County, New Mexico

Date: March 8, 2000

Purpose: Recomplete in Chacra and Downhole Commingle

GWL: 100%

NRI: 87.5%

AFE #: 591600

AFE Amount: \$102,500

AFE Days: 8

Elevations: KB: 6611'

GL: 6598'

TD: 7395'

PBTD: 7340' (Arrow TS RBP set @ 5400')

Surface Csg: 9-5/8" 32.3# H-40 @ 400' cmt'd w/ 450 sks (circulated)

Production Csg: 5-1/2" 15.5 (to 6866') & 17# J-55 8rd @ 7384' cmt'd w/ 775 sks in 3 stages w/ DV tools @ 5406' & 3229' (1st stg 205 sks - DNC, 2nd stg 200 sks - circ, 3rd stg 370 sks - circ)  
[Drift (17#) = 4.767" 80% Burst (15.5#) = 3848 psi]

Tubing: Long String: SN, 14 jts 2-3/8" 4.7# J-55 EUE 8rd, Baker Lok-Set Packer @ 4835', 59 jts 2-3/8" Seal Lock, 3 Baker

blast joints (3-1/16" OD), & 92 jts 2-3/8" Seal Lock

Short String: 1 jt (muleshoed) 1.66" tbg, SN, 23 jts 1.66" 2.4# N-80 10rd IJ & 71 jts 1.66" CS Hydril

Perforations: Pictured Cliffs: 2907-2954' (58 shots) ✓  
Mesaverde: 4869-5267' (30 shots) ✓  
Graneros: 7094-7124' (24 shots) ✓  
Dakota: 7230-7322' (62 shots) ✓

Anticipated BHP: ±200 psi in the Pictured Cliffs ✓  
±500 psi in the Mesaverde & Dakota ✓  
±1500 psi (estimated original pressure) in the Chacra ✓

Comments: 1) Use 2% KCl in all workover fluids (no substitutes). ✓  
2) Use 2-7/8" 6.5# N-80 tubing as work string. [Drift=2.347" 80% Burst=8456 psi] ✓  
3) Will need to replace the 69 jts (plus an additional 300') of 2-3/8" SL tbg that were LD on 9-27-99.

### PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500# as necessary.
2. MIRU PU. Kill well as necessary. ND wellhead. NU 7-1/16" BOP. Install 2" valves on long string. Function test BOP. Pull split tubing hanger. Install offset spool. POOH LD 1.66" tbg. ND offset spool. Change pipe rams to 2-3/8". Release Baker Lok-Set pkr & POOH w/ 2-3/8" Seal Lock tubing.
3. Change pipe rams to 2-7/8". RIH w/ 5-1/2" test plug & setting tool on 2-7/8" tubing. Set plug at ±250'. Test pipe rams to 1500 psi. Release from test plug & POOH. Test blind rams to 1500 psi. RIH & release test plug. POOH.
4. RU WL. NU and test lubricator to 1500 psi. Run GR-CCL log across interval 4500-3500'. Correlate with Schlumberger GR-FDC log dated 3/11/67. Perforate the Chacra interval 3778-98' (20' - 40 shots) w/ 4" casing gun loaded 2 SPF @ 120 degree phasing using 22.7 gram JRC charges. RD WL. ✓
5. RIH w/ retrieving head on 2-7/8" tubing to Arrow TS RBP @ 5400'. Clean any sand fill off RBP using foam air unit if necessary. Release RBP & PUH to ±4000'. Reset RBP & POOH w/ retrieving head. ✓
6. RIH w/ 5-1/2" treating packer & hydrotest 2-7/8" tubing in hole (below slips) to 6000 psi. Set packer @ ±3970' & pressure test RBP to 1500 psi. PUH to ±3700' & reset packer.
7. RU stimulation company. Hold safety meeting. Test lines to 6000 psi. Breakdown Chacra perfs w/ 1000 gallons 10% Acetic acid. May need to spot acid across perfs to breakdown. Sand fracture stimulate Chacra as per recommendation using 60,000# 20/40 Brady sand with a maximum treating pressure to 6000 psi. Call flush as soon as sand concentration starts to drop and displace to 100' above top perf. Flow back well immediately @ 1-2 BPM. RD stimulation company. ✓
8. RIH w/ sinker bar and tag sand. If sand not into perfs, RU test unit and flow test Chacra for 3 hours to 1 day, swabbing in as necessary. Release packer and POOH with 2-7/8" tubing. ✓
9. RU foam air unit. RIH with retrieving head and clean sand out to RBP @ ±4000'. Circulate well until it makes no more sand. Release RBP & POOH laying down 2-7/8" workstring. ✓
10. Change pipe rams to 2-3/8". RIH w/ notched collar, mud joint and seating nipple on 2-3/8" production tubing. Land SN @ ±7300'. ND BOP. Swab well in as necessary. RDMO PU. Turn well over to production. ✓

XC: D. W. Arnst  
D. K. Barker  
M.D. Bidwell

J.A. Bucci  
G. W. Donaghey  
W. J. Dueease

T. P. Kacir  
W. S. Landon  
R. J. Longmire

R. Skinner  
K.W. Spilman  
Well File

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-039-20006</b>	<sup>2</sup> Pool Code <b>82329</b>	<sup>3</sup> Pool Name <b>CHACRA</b>
<sup>4</sup> Property Code <b>6414</b>	<sup>5</sup> Property Name <b>Jicarilla Apache</b>	<sup>6</sup> Well Number <b>13</b>
<sup>7</sup> OGRID No. <b>14021</b>	<sup>8</sup> Operator Name <b>Marathon Oil Company</b>	<sup>9</sup> Elevation <b>(KB) 6611'</b>

<sup>10</sup> Surface Location


UL or lot no. <b>M</b>	Section <b>33</b>	Township <b>26N</b>	Range <b>5W</b>	Lot. Idn	Feet from the <b>1190</b>	North/South Line <b>South</b>	Feet from the <b>1190</b>	East/West line <b>West</b>	County <b>Rio Arriba</b>
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<sup>11</sup> 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
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<sup>12</sup> Dedicated Acres <b>160</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

				<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Signature <b>Tim L. Chase</b> Printed Name <b>Advanced Engineer Technician</b> Title <b>February 28, 2000</b> Date
				<sup>18</sup> 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.  Date of Survey Signature and Seal of Professional Surveyer:  Certificate Number
<b>013</b>				