

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 251 CONTRACT 154

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
JICARILLA APACHE #13

9. API Well No.  
30-039-20006

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
RIO ARRIBA NM

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)  
915/687-8356

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
UNIT LETTER "M"  
1190' FSL & 1190' FWL  
SEC. 33, T-26-N, R-5-W

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |   |   |  |  |
|---|---|--|--|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off              |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity              |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input checked="" type="checkbox"/> Recomplete     | <input checked="" type="checkbox"/> Other <u>DHC</u> |
| <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 recomplete 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 recompletion 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.)

PROPOSE TO RECOMPLETE IN THE MESA VERDE (4869' - 5267') AND DUAL COMPLETE WITH PICTURED CLIFFS (2907' - 2954')

SEE ATTACHED PROCEDURE & C-102

*\* DHC - DHC Application to be submitted prior to DHC.*

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

Title  
DRILLING SUPERINTENDENT

Date 9/22/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *[Signature]*

Title *Per. Eng.*

Date 10/6/99

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.

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.

(Instructions on reverse)

## State of New Mexico

Energy, Minerals &amp; 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

RECEIVED  
OCT 23 1999 1:22☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-20006		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name BLANCO MESA VERDE	
<sup>4</sup> Property Code 6414		<sup>5</sup> Property Name JICARILLA APACHE			<sup>6</sup> Well Number 13
<sup>7</sup> OGRID No. 14021		<sup>8</sup> Operator Name Marathon Oil Company			<sup>9</sup> Elevation 6611' KB

<sup>10</sup> Surface Location

UL or lot no. M	Section 33	Township 26-N	Range 5-W	Lot. Idn	Feet from the 1190	North/South Line SOUTH	Feet from the 1190	East/West line WEST	County RIO ARRIBA
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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
<sup>12</sup> Dedicated Acres 32.260									
<sup>13</sup> Joint or Infill									
<sup>14</sup> Consolidation Code									
<sup>15</sup> 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

	<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 R. J. LONGMIRE Printed Name DRILLING SUPERINTENDENT Title 9/22/99 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

OK @

## 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: September 10, 1999

Purpose: Recomplete to the Mesaverde

GWI: 100%

NRI: 87.5%

AFE #: 309299

AFE Amount: \$115,000

AFE Days: 8

Elevations: KB: 6611'

GL: 6598'

TD: 7395'

PBTD: 7344'

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 ST&C & LT&C @ 7384' cmt'd w/ 775 sks in 3 stages w/ stage collars

@ 3229' & 5406' (1st stg 205 sks - DNC, 2nd stg 200 sks - circulated, 3rd stg 370 sks - circulated)

[Drift (17#) = 4.767" 80% Burst (15.5#) = 3848 psi ]

#### Tubing:

Long String: (Dakota) 220 jts 2-3/8" 4.6# J-55 Seal Lock tubing w/ 3 x 3-1/16" blast jts (2894-2955') & "F" nipple @ 7013', + 1 jt 4.7# N-80 EUE tubing w/ Model "E" locator seal assembly landed in Baker Model "D" Packer @ 7050'

Short String: (Pictured Cliffs) 92 jts 1.66" 2.4# N-80 CS Hydril tubing @ 2848' w/ "F" nipple @ 2817'

Wellhead: Rector dual tubing head

Perforations: Pictured Cliffs: 2907-22', 28-30', 33-36', 40-44', 49-54' (2 SPF)

Graneros: 7094-7100', 7116-24' (2 SPF)

Dakota: 7230-42', 45-47', 64-66', 71-76', 86-88', 7312-22' (2 SPF)

Anticipated BHP: 200 psi in the Pictured Cliffs

600 psi in the Mesaverde

500 psi in the Dakota

Comments: 1) Use 2% KCl in all workover fluids.

2) Use 3-1/2" 9.3# J-55 tubing for frac string. [Drift = 2.867" 80% Burst = 5584 psi]

### PROCEDURE

1. Inspect location and improve if necessary. Test safety anchors to 22,500#.
2. MIRU PU. ND wellhead. NU 7-1/16" BOP w/ pipe rams for 1.66" OD tbg on top & 2 valves below blind rams on bottom. Function test BOP. POOH & LD 1.66" tubing and send in for inspection. Change pipe rams to 2-3/8". POOH w/ 2-3/8" tubing & LD blast joints & seal assembly.
3. Drill/mill out Model "D" packer @ 7050'. Clean out well to PBTD @  $\pm 7344'$ . POOH.
4. RIH w/ 5-1/2" straddle assembly & set RBP @  $\pm 5400'$ . Pressure test RBP to 1000 psi. Dump 2 sacks sand on RBP. POOH & LD packer & 2-3/8" tubing. Send tbg in for inspection. Tubing string(s) can be reused if they inspect OK.
5. Perforate the Mesaverde @ 4869', 4871', 4875', 4877', 4879', 4887', 4943', 4991', 4993', 4995', 5048', 5050', 5052', 5059', 5061', 5067', 5100', 5104', 5106', 5109', 5113', 5115', 5121', 5123', 5127', 5129', 5131', 5207', 5227', and 5267' (30' - 30 shots) w/ 3-1/8" casing guns loaded 1 SPF using 12 gram charges. Use Schlumberger Perforating Depth Control log dated 3/14/67 for correlation.
6. Change pipe rams to 3-1/2". RIH w/ 5-1/2" packer on 3-1/2" tubing & set @  $\pm 4850'$ . Hydrotest tbg in hole to 5500 psi.
7. RU stimulation company. Breakdown Mesaverde perms 4870-5267' w/ 1500 gallons 15% HCl using 45 x 1.1 SG BioBalls spaced evenly to divert. Sand fracture stimulate perms as per recommendation (exact job design forthcoming) with approximately 100,000# 20/40 sand @ 35-40 BPM and 5000 psi maximum pressure. Tag all sand stages w/ radioactive isotopes. RD stimulation company.
8. Flow back load. POOH w/ packer & LD 3-1/2" tubing. Tag TD with sinker bar to check sand fill (clean out if necessary). RU slickline. Run after frac log across interval  $\pm 5350$ -4750'. RD slickline.
9. Change pipe rams to 2-3/8". RIH w/ packer, profile nipple, blast joints, & 2-3/8" production tubing & set packer @  $\pm 4850'$ . Change pipe rams to 1.66". RIH w/ 1.66" OD tubing & land @  $\pm 2910'$ . ND BOP. NU wellhead. RDMO PU.
10. Place well on production. Production test Mesaverde. RBP will be pulled at a later date & 1.66" tubing set as long string @  $\pm 7200'$  for Dakota w/ packer set @  $\pm 5500'$  when commingling permit for Mesaverde & Pictured Cliffs is approved.